284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : P5306

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
P5306-01	OU4-VSL-07-121224
P5306-02	OU4-VSL-07-121224
P5306-03	OU4-VSL-08-121224
P5306-04	OU4-VSL-08-121224
P5306-05	OU4-VSL-09-121224
P5306-06	OU4-VSL-09-121224
P5306-07	OU4-VSL-10-121224
P5306-08	OU4-VSL-10-121224
P5306-09	OU4-VSL-11-121224
P5306-10	OU4-VSL-11-121224
P5306-11	OU4-VSL-12-121224
P5306-12	OU4-VSL-12-121224
P5306-13	OU4-VSL-13-121224
P5306-14	OU4-VSL-13-121224
P5306-15	OU4-VSL-14-121224
P5306-16	OU4-VSL-14-121224
P5306-17	OU4-VSL-06R-121224
P5306-18	OU4-VSL-06R-121224

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: 1/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # P5306
Test Name: VOCMS Group3

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals Group6, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SPLP MetalGroup6, SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

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 Group3 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 OU4-VSL-08-121224 [Toluene-d8 - 135%], VIAL A analyzed but not purged as a corrective action VIAL B analyzed but Surrogate failing and now no more vials for confirmation therefore VIAL B reported as final analysis while,

For OU4-VSL-11-121224 [Toluene-d8 - 117%], OU4-VSL-11-121224RE [4-Bromofluorobenzene - 64%], OU4-VSL-13-121224 [Toluene-d8 - 117%], OU4-VSL-13-121224RE [1,2-Dichloroethane-d4 - 56% and 4-Bromofluorobenzene - 29%]the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported. The Internal Standards Areas met the acceptable requirements except for OU4-VSL-11-121224RE, OU4-VSL-13-121224RE samples were reanalyzed and both run reported.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike for {VY1220SBS01} with File ID: VY020666.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[175%], 1,3-Dichloropropane[128%] and t-1,3-Dichloropropene[162%]failing high but no positive hit in associated samples therefore no corrective action taken.

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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 Continuous Calibration File ID VY020645.D met the requirements except for trans-1,4-Dichloro-2-butene failing high but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID VY020662.D met the requirements except for almost all compounds failing low associated sample 09 and 13 reanalyzed under passing CCAL and both run reported while sam#01 reanalyzed but did not purged therefore VIAL A data reported as final analysis.

The Continuous Calibration File ID VY020664.D met the requirements except for Bromomethane failing marginally low therefore no corrective action taken.
The Tuning criteria met requirements.

E. Additional Comments:

The SDG P5306 is logged for VOCMS group3 Lab is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds for 8260D method.

As per special requirement for this project form-1 are reported in mg/kg.
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

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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: P5306 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 Continuous Calibration File ID VY020645.D met the requirements except for trans-1,4-Dichloro-2-butene failing high but no positive hit in associated samples therefore no corrective action taken. The Continuous Calibration File ID VY020662.D met the requirements except for almost all compounds failing low associated sample 09 and 13 reanalyzed under passing CCAL and both run reported while sam#01 reanalyzed but did not purged therefore VIAL A data reported as final analysis. The Continuous Calibration File ID VY020664.D met the requirements except for Bromomethane failing marginally low therefore no corrective action taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for OU4-VSL-08-121224 [Toluene-d8 - 135%], VIAL A analyzed but not purged as a corrective action VIAL B analyzed but Surrogate failing and now no more vials for confirmation therefore VIAL B reported as final analysis while, for OU4-VSL-11-121224 [Toluene-d8 - 117%], OU4-VSL-11-121224RE [4-Bromofluorobenzene - 64%], OU4-VSL-13-121224 [Toluene-d8 - 117%], OU4-VSL-13-121224RE [1,2-Dichloroethane-d4 - 56% and 4-Bromofluorobenzene - 29%]the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported.			

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike for {VY1220SBS01} with File ID: VY020666.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[175%], 1,3-Dichloropropane[128%] and t-1,3-Dichloropropene[162%]failing high but no positive hit in associated samples therefore no corrective action taken. The Blank Spike Duplicate met requirements for all samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas met the acceptable requirements except for OU4-VSL-11-121224RE, OU4-VSL-13-121224RE samples were reanalyzed and both run reported.			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The SDG P5306 is logged for VOCMS group3 Lab is not certified for trans-1,4- dichloro-2-butene and Tetrahydrofuran compounds for 8260D method.

As per special requirement for this project form-1 are reported in mg/kg.

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.

QA REVIEW Date

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

	NA	NO	YES

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5306**

	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: **PATEL VAISHALI** **Date:** **01/01/2025**

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LAB CHRONICLE

OrderID:	P5306	**OrderDate:**	12/17/2024 10:24:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	**OU4-VSL-07-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/19/24	
P5306-03	**OU4-VSL-08-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/20/24	
P5306-05	**OU4-VSL-09-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/20/24	
P5306-07	**OU4-VSL-10-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/20/24	
P5306-09	**OU4-VSL-11-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/19/24	
P5306-09RE	**OU4-VSL-11-121224RE**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/20/24	
P5306-11	**OU4-VSL-12-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/23/24	
P5306-13	**OU4-VSL-13-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/19/24	
P5306-13RE	**OU4-VSL-13-121224RE**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/20/24	
P5306-15	**OU4-VSL-14-121224**	**SOIL**			**12/12/24**			**12/17/24**
			VOCMS Group3	8260D			12/23/24	

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Hit Summary Sheet
SW-846

SDG No.: P5306

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC
SUMMARY

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

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
P5306-01	OU4-VSL-07-121224	1,2-Dichloroethane-d4	50	62.5	125		71	136
		Dibromofluoromethane	50	55.5	111		78	119
		Toluene-d8	50	57.6	115		85	116
		4-Bromofluorobenzene	50	47.8	96		79	119
P5306-03	OU4-VSL-08-121224	1,2-Dichloroethane-d4	50	59.9	120		71	136
		Dibromofluoromethane	50	47.4	95		78	119
		Toluene-d8	50	67.5	135	*	85	116
		4-Bromofluorobenzene	50	52.5	105		79	119
P5306-05	OU4-VSL-09-121224	1,2-Dichloroethane-d4	50	63.0	126		71	136
		Dibromofluoromethane	50	51.5	103		78	119
		Toluene-d8	50	55.4	111		85	116
		4-Bromofluorobenzene	50	44.6	89		79	119
P5306-07	OU4-VSL-10-121224	1,2-Dichloroethane-d4	50	61.6	123		71	136
		Dibromofluoromethane	50	50.6	101		78	119
		Toluene-d8	50	55.6	111		85	116
		4-Bromofluorobenzene	50	44.3	89		79	119
P5306-09	OU4-VSL-11-121224	1,2-Dichloroethane-d4	50	62.0	124		71	136
		Dibromofluoromethane	50	55.2	110		78	119
		Toluene-d8	50	58.7	117	*	85	116
		4-Bromofluorobenzene	50	46.8	94		79	119
P5306-09RE	OU4-VSL-11-121224RE	1,2-Dichloroethane-d4	50	52.4	105		71	136
		Dibromofluoromethane	50	54.6	109		78	119
		Toluene-d8	50	52.5	105		85	116
		4-Bromofluorobenzene	50	31.9	64	*	79	119
P5306-11	OU4-VSL-12-121224	1,2-Dichloroethane-d4	50	66.1	132		71	136
		Dibromofluoromethane	50	54.9	110		78	119
		Toluene-d8	50	58.1	116		85	116
		4-Bromofluorobenzene	50	50.5	101		79	119
P5306-13	OU4-VSL-13-121224	1,2-Dichloroethane-d4	50	59.2	118		71	136
		Dibromofluoromethane	50	53.0	106		78	119
		Toluene-d8	50	58.3	117	*	85	116
		4-Bromofluorobenzene	50	45.0	90		79	119
P5306-13RE	OU4-VSL-13-121224RE	1,2-Dichloroethane-d4	50	28.1	56	*	71	136
		Dibromofluoromethane	50	44.6	89		78	119
		Toluene-d8	50	45.0	90		85	116
		4-Bromofluorobenzene	50	14.7	29	*	79	119
P5306-15	OU4-VSL-14-121224	1,2-Dichloroethane-d4	50	64.5	129		71	136
		Dibromofluoromethane	50	54.4	109		78	119
		Toluene-d8	50	57.4	115		85	116
		4-Bromofluorobenzene	50	49.7	99		79	119
VY1219SBL01	VY1219SBL01	1,2-Dichloroethane-d4	50	44.5	89		71	136
		Dibromofluoromethane	50	45.8	92		78	119
		Toluene-d8	50	43.8	88		85	116
		4-Bromofluorobenzene	50	40.3	81		79	119
VY1219SBS01	VY1219SBS01	1,2-Dichloroethane-d4	50	54.5	109		71	136
		Dibromofluoromethane	50	55.5	111		78	119
		Toluene-d8	50	55.5	111		85	116
		4-Bromofluorobenzene	50	53.5	107		79	119
VY1220SBL01	VY1220SBL01	1,2-Dichloroethane-d4	50	49.0	98		71	136
		Dibromofluoromethane	50	50.7	101		78	119

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Surrogate Summary

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY1220SBL01	VY1220SBL01	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
VY1223SBL01	VY1223SBL01	1,2-Dichloroethane-d4	50	58.4	117	71	136
		Dibromofluoromethane	50	53.3	107	78	119
		Toluene-d8	50	53.7	107	85	116
		4-Bromofluorobenzene	50	44.2	88	79	119
VY1223SBS01	VY1223SBS01	1,2-Dichloroethane-d4	50	51.0	102	71	136
		Dibromofluoromethane	50	50.5	101	78	119
		Toluene-d8	50	55.4	111	85	116
		4-Bromofluorobenzene	50	50.4	101	79	119
VY1223SBSD01	VY1223SBSD01	1,2-Dichloroethane-d4	50	56.8	114	71	136
		Dibromofluoromethane	50	53.1	106	78	119
		Toluene-d8	50	55.9	112	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.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020647.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1219SBS01	Dichlorodifluoromethane	20	20.2	ug/Kg	101			29	149	
	Chloromethane	20	18.8	ug/Kg	94			50	136	
	Vinyl chloride	20	18.5	ug/Kg	93			56	135	
	Bromomethane	20	15.3	ug/Kg	77			53	143	
	Chloroethane	20	14.5	ug/Kg	73			59	139	
	Tetrahydrofuran	100	110	ug/Kg	110			61	135	
	Trichlorofluoromethane	20	17.1	ug/Kg	86			62	140	
	1,1,2-Trichlorotrifluoroethane	20	16.0	ug/Kg	80			66	136	
	1,1-Dichloroethene	20	15.4	ug/Kg	77			70	131	
	Acrylonitrile	100	96.8	ug/Kg	97			65	134	
	Acetone	100	65.9	ug/Kg	66			36	164	
	Carbon disulfide	20	16.1	ug/Kg	81			63	132	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			73	125	
	Methylene Chloride	20	19.3	ug/Kg	97			70	128	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			74	125	
	1,1-Dichloroethane	20	19.5	ug/Kg	98			76	125	
	2-Butanone	100	99.1	ug/Kg	99			51	148	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70	135	
	2,2-Dichloropropane	20	18.5	ug/Kg	93			67	133	
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106			77	123	
	Chloroform	20	18.9	ug/Kg	95			78	123	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			73	130	
	1,1-Dichloropropene	20	20.7	ug/Kg	104			76	125	
	Benzene	20	21.4	ug/Kg	107			77	121	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			73	128	
	Trichloroethene	20	21.4	ug/Kg	107			77	123	
	1,2-Dichloropropane	20	21.9	ug/Kg	110			76	123	
	Dibromomethane	20	22.5	ug/Kg	113			78	125	
	Bromodichloromethane	20	21.4	ug/Kg	107			75	127	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			65	135	
	Toluene	20	21.5	ug/Kg	108			77	121	
	t-1,3-Dichloropropene	20	21.5	ug/Kg	108			71	130	
	cis-1,3-Dichloropropene	20	21.4	ug/Kg	107			74	126	
	1,1,2-Trichloroethane	20	22.0	ug/Kg	110			78	121	
	1,3-Dichloropropane	20	22.3	ug/Kg	112			77	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	22.3	ug/Kg	112			74	126	
	1,2-Dibromoethane	20	22.8	ug/Kg	114			78	122	
	Tetrachloroethene	20	21.1	ug/Kg	106			73	128	
	Chlorobenzene	20	21.8	ug/Kg	109			79	120	
	1,1,1,2-Tetrachloroethane	20	21.8	ug/Kg	109			78	125	
	Ethyl Benzene	20	21.2	ug/Kg	106			76	122	
	m/p-Xylenes	40	42.9	ug/Kg	107			77	124	
	o-Xylene	20	21.7	ug/Kg	109			77	123	
	Styrene	20	21.7	ug/Kg	109			76	124	
	Bromoform	20	22.5	ug/Kg	113			67	132	
	Isopropylbenzene	20	21.1	ug/Kg	106			68	134	
	1,1,2,2-Tetrachloroethane	20	23.0	ug/Kg	115			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020647.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1219SBS01	1,2,3-Trichloropropane	20	20.5	ug/Kg	103			73	125	
	Bromobenzene	20	21.3	ug/Kg	106			78	121	
	N-propylbenzene	20	21.0	ug/Kg	105			73	125	
	2-Chlorotoluene	20	21.4	ug/Kg	107			75	122	
	1,3,5-Trimethylbenzene	20	21.2	ug/Kg	106			73	124	
	4-Chlorotoluene	20	21.0	ug/Kg	105			72	124	
	tert-Butylbenzene	20	20.8	ug/Kg	104			73	125	
	1,2,4-Trimethylbenzene	20	21.4	ug/Kg	107			75	123	
	Sec-butylbenzene	20	20.9	ug/Kg	104			73	126	
	p-Isopropyltoluene	20	21.0	ug/Kg	105			73	127	
	1,3-Dichlorobenzene	20	21.4	ug/Kg	107			77	121	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			75	120	
	n-Butylbenzene	20	20.6	ug/Kg	103			70	128	
	1,2-Dichlorobenzene	20	21.8	ug/Kg	109			78	121	
	1,2-Dibromo-3-Chloropropane	20	22.0	ug/Kg	110			61	132	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			67	129	
	Hexachlorobutadiene	20	20.5	ug/Kg	103			61	135	
	1,2,3-Trichlorobenzene	20	21.1	ug/Kg	106			66	130	
	trans-1,4-Dichloro-2-butene	20	22.6	ug/Kg	113			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1220SBS01	Dichlorodifluoromethane	20	23.6	ug/Kg	118			29	149	
	Chloromethane	20	16.7	ug/Kg	84			50	136	
	Vinyl chloride	20	15.8	ug/Kg	79			56	135	
	Bromomethane	20	14.9	ug/Kg	75			53	143	
	Chloroethane	20	13.5	ug/Kg	68			59	139	
	Tetrahydrofuran	100	95.2	ug/Kg	95			61	135	
	Trichlorofluoromethane	20	16.6	ug/Kg	83			62	140	
	1,1,2-Trichlorotrifluoroethane	20	16.0	ug/Kg	80			66	136	
	1,1-Dichloroethene	20	16.1	ug/Kg	81			70	131	
	Acrylonitrile	100	97.9	ug/Kg	98			65	134	
	Acetone	100	63.0	ug/Kg	63			36	164	
	Carbon disulfide	20	17.4	ug/Kg	87			63	132	
	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	
	2,2-Dichloropropane	20	21.1	ug/Kg	106			67	133	
	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	
	1,1-Dichloropropene	20	22.0	ug/Kg	110			76	125	
	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	
	1,2-Dichloropropane	20	21.9	ug/Kg	110			76	123	
	Dibromomethane	20	21.4	ug/Kg	107			78	125	
	Bromodichloromethane	20	21.4	ug/Kg	107			75	127	
	4-Methyl-2-Pentanone	100	94.7	ug/Kg	95			65	135	
	Toluene	20	22.1	ug/Kg	111			77	121	
	t-1,3-Dichloropropene	20	32.4	ug/Kg	162		*	71	130	
	cis-1,3-Dichloropropene	20	21.4	ug/Kg	107			74	126	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			78	121	
	1,3-Dichloropropane	20	25.6	ug/Kg	128		*	77	121	
	2-Hexanone	100	98.5	ug/Kg	99			53	145	
	Dibromochloromethane	20	21.1	ug/Kg	106			74	126	
	1,2-Dibromoethane	20	21.0	ug/Kg	105			78	122	
	Tetrachloroethene	20	21.9	ug/Kg	110			73	128	
	Chlorobenzene	20	22.3	ug/Kg	112			79	120	
	1,1,1,2-Tetrachloroethane	20	21.7	ug/Kg	109			78	125	
	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	
	Styrene	20	22.0	ug/Kg	110			76	124	
	Bromoform	20	20.9	ug/Kg	104			67	132	
	Isopropylbenzene	20	21.7	ug/Kg	109			68	134	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1220SBS01	1,2,3-Trichloropropane	20	22.3	ug/Kg	112			73	125	
	Bromobenzene	20	21.3	ug/Kg	106			78	121	
	N-propylbenzene	20	22.0	ug/Kg	110			73	125	
	2-Chlorotoluene	20	21.7	ug/Kg	109			75	122	
	1,3,5-Trimethylbenzene	20	21.8	ug/Kg	109			73	124	
	4-Chlorotoluene	20	21.8	ug/Kg	109			72	124	
	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	
	p-Isopropyltoluene	20	22.1	ug/Kg	111			73	127	
	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	
	1,2-Dibromo-3-Chloropropane	20	35.0	ug/Kg	175		*	61	132	
	1,2,4-Trichlorobenzene	20	21.4	ug/Kg	107			67	129	
	Hexachlorobutadiene	20	21.9	ug/Kg	110			61	135	
	1,2,3-Trichlorobenzene	20	21.3	ug/Kg	106			66	130	
	trans-1,4-Dichloro-2-butene	20	20.3	ug/Kg	102			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020693.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1223SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			29	149	
	Chloromethane	20	21.2	ug/Kg	106			50	136	
	Vinyl chloride	20	20.3	ug/Kg	102			56	135	
	Bromomethane	20	21.8	ug/Kg	109			53	143	
	Chloroethane	20	20.3	ug/Kg	102			59	139	
	Tetrahydrofuran	100	97.3	ug/Kg	97			61	135	
	Trichlorofluoromethane	20	20.9	ug/Kg	104			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			66	136	
	1,1-Dichloroethene	20	21.0	ug/Kg	105			70	131	
	Acrylonitrile	100	100	ug/Kg	100			65	134	
	Acetone	100	97.3	ug/Kg	97			36	164	
	Carbon disulfide	20	20.3	ug/Kg	102			63	132	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			73	125	
	Methylene Chloride	20	21.2	ug/Kg	106			70	128	
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106			74	125	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			76	125	
	2-Butanone	100	98.2	ug/Kg	98			51	148	
	Carbon Tetrachloride	20	21.5	ug/Kg	108			70	135	
	2,2-Dichloropropane	20	21.2	ug/Kg	106			67	133	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			77	123	
	Chloroform	20	20.6	ug/Kg	103			78	123	
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108			73	130	
	1,1-Dichloropropene	20	21.9	ug/Kg	110			76	125	
	Benzene	20	21.8	ug/Kg	109			77	121	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			73	128	
	Trichloroethene	20	21.4	ug/Kg	107			77	123	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			76	123	
	Dibromomethane	20	21.3	ug/Kg	106			78	125	
	Bromodichloromethane	20	21.5	ug/Kg	108			75	127	
	4-Methyl-2-Pentanone	100	98.5	ug/Kg	99			65	135	
	Toluene	20	21.9	ug/Kg	110			77	121	
	t-1,3-Dichloropropene	20	20.8	ug/Kg	104			71	130	
	cis-1,3-Dichloropropene	20	21.6	ug/Kg	108			74	126	
	1,1,2-Trichloroethane	20	20.9	ug/Kg	104			78	121	
	1,3-Dichloropropane	20	21.0	ug/Kg	105			77	121	
	2-Hexanone	100	99.0	ug/Kg	99			53	145	
	Dibromochloromethane	20	21.5	ug/Kg	108			74	126	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			78	122	
	Tetrachloroethene	20	22.0	ug/Kg	110			73	128	
	Chlorobenzene	20	22.0	ug/Kg	110			79	120	
	1,1,1,2-Tetrachloroethane	20	21.3	ug/Kg	106			78	125	
	Ethyl Benzene	20	21.9	ug/Kg	110			76	122	
	m/p-Xylenes	40	43.6	ug/Kg	109			77	124	
	o-Xylene	20	21.9	ug/Kg	110			77	123	
	Styrene	20	22.1	ug/Kg	111			76	124	
	Bromoform	20	21.6	ug/Kg	108			67	132	
	Isopropylbenzene	20	21.4	ug/Kg	107			68	134	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020693.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1223SBS01	1,2,3-Trichloropropane	20	21.4	ug/Kg	107			73	125	
	Bromobenzene	20	21.3	ug/Kg	106			78	121	
	N-propylbenzene	20	21.3	ug/Kg	106			73	125	
	2-Chlorotoluene	20	21.5	ug/Kg	108			75	122	
	1,3,5-Trimethylbenzene	20	21.7	ug/Kg	109			73	124	
	4-Chlorotoluene	20	21.2	ug/Kg	106			72	124	
	tert-Butylbenzene	20	21.4	ug/Kg	107			73	125	
	1,2,4-Trimethylbenzene	20	21.6	ug/Kg	108			75	123	
	Sec-butylbenzene	20	21.8	ug/Kg	109			73	126	
	p-Isopropyltoluene	20	22.0	ug/Kg	110			73	127	
	1,3-Dichlorobenzene	20	21.4	ug/Kg	107			77	121	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			75	120	
	n-Butylbenzene	20	21.9	ug/Kg	110			70	128	
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106			78	121	
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100			61	132	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			67	129	
	Hexachlorobutadiene	20	21.9	ug/Kg	110			61	135	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			66	130	
	trans-1,4-Dichloro-2-butene	20	19.8	ug/Kg	99			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020703.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1223SBSD01	Dichlorodifluoromethane	20	20.0	ug/Kg	100	6		29	149	20
	Chloromethane	20	18.9	ug/Kg	95	11		50	136	20
	Vinyl chloride	20	17.7	ug/Kg	89	14		56	135	20
	Bromomethane	20	20.2	ug/Kg	101	8		53	143	20
	Chloroethane	20	17.6	ug/Kg	88	15		59	139	20
	Tetrahydrofuran	100	110	ug/Kg	110	13		61	135	20
	Trichlorofluoromethane	20	20.1	ug/Kg	101	3		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100	6		66	136	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	5		70	131	20
	Acrylonitrile	100	110	ug/Kg	110	10		65	134	20
	Acetone	100	100	ug/Kg	100	3		36	164	20
	Carbon disulfide	20	18.9	ug/Kg	95	7		63	132	20
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112	7		73	125	20
	Methylene Chloride	20	21.6	ug/Kg	108	2		70	128	20
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	1		74	125	20
	1,1-Dichloroethane	20	21.9	ug/Kg	110	2		76	125	20
	2-Butanone	100	110	ug/Kg	110	12		51	148	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	9		70	135	20
	2,2-Dichloropropane	20	20.0	ug/Kg	100	6		67	133	20
	cis-1,2-Dichloroethene	20	22.0	ug/Kg	110	6		77	123	20
	Chloroform	20	21.2	ug/Kg	106	3		78	123	20
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	2		73	130	20
	1,1-Dichloropropene	20	20.1	ug/Kg	101	9		76	125	20
	Benzene	20	20.5	ug/Kg	103	6		77	121	20
	1,2-Dichloroethane	20	21.5	ug/Kg	108	4		73	128	20
	Trichloroethene	20	19.7	ug/Kg	99	8		77	123	20
	1,2-Dichloropropane	20	20.9	ug/Kg	104	4		76	123	20
	Dibromomethane	20	21.7	ug/Kg	109	3		78	125	20
	Bromodichloromethane	20	21.3	ug/Kg	106	2		75	127	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	1		65	135	20
	Toluene	20	20.7	ug/Kg	104	6		77	121	20
	t-1,3-Dichloropropene	20	21.4	ug/Kg	107	3		71	130	20
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106	2		74	126	20
	1,1,2-Trichloroethane	20	20.9	ug/Kg	104	0		78	121	20
	1,3-Dichloropropane	20	20.9	ug/Kg	104	1		77	121	20
	2-Hexanone	100	100	ug/Kg	100	1		53	145	20
	Dibromochloromethane	20	21.5	ug/Kg	108	0		74	126	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	2		78	122	20
	Tetrachloroethene	20	20.1	ug/Kg	101	9		73	128	20
	Chlorobenzene	20	21.3	ug/Kg	106	4		79	120	20
	1,1,1,2-Tetrachloroethane	20	20.8	ug/Kg	104	2		78	125	20
	Ethyl Benzene	20	20.6	ug/Kg	103	7		76	122	20
	m/p-Xylenes	40	41.5	ug/Kg	104	5		77	124	20
	o-Xylene	20	21.5	ug/Kg	108	2		77	123	20
	Styrene	20	21.3	ug/Kg	106	5		76	124	20
	Bromoform	20	20.8	ug/Kg	104	4		67	132	20
	Isopropylbenzene	20	19.8	ug/Kg	99	8		68	134	20
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	1		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY020703.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1223SBSD01	1,2,3-Trichloropropane	20	20.8	ug/Kg	104	3		73	125	20
	Bromobenzene	20	19.7	ug/Kg	99	7		78	121	20
	N-propylbenzene	20	19.5	ug/Kg	98	8		73	125	20
	2-Chlorotoluene	20	19.9	ug/Kg	100	8		75	122	20
	1,3,5-Trimethylbenzene	20	20.4	ug/Kg	102	7		73	124	20
	4-Chlorotoluene	20	20.3	ug/Kg	102	4		72	124	20
	tert-Butylbenzene	20	20.3	ug/Kg	102	5		73	125	20
	1,2,4-Trimethylbenzene	20	20.8	ug/Kg	104	4		75	123	20
	Sec-butylbenzene	20	20.1	ug/Kg	101	8		73	126	20
	p-Isopropyltoluene	20	20.6	ug/Kg	103	7		73	127	20
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105	2		77	121	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		75	120	20
	n-Butylbenzene	20	20.2	ug/Kg	101	9		70	128	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	2		78	121	20
	1,2-Dibromo-3-Chloropropane	20	20.4	ug/Kg	102	2		61	132	20
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104	0		67	129	20
	Hexachlorobutadiene	20	20.7	ug/Kg	104	6		61	135	20
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	1		66	130	20
	trans-1,4-Dichloro-2-butene	20	18.6	ug/Kg	93	6		62	136	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1219SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020646.D Lab Sample ID: VY1219SBL01

Date Analyzed: 12/19/2024 Time Analyzed: 11:07

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
VY1219SBS01	VY1219SBS01	VY020647.D	12/19/2024
OU4-VSL-07-121224	P5306-01	VY020652.D	12/19/2024
OU4-VSL-11-121224	P5306-09	VY020656.D	12/19/2024
OU4-VSL-13-121224	P5306-13	VY020658.D	12/19/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1220SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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
OU4-VSL-08-121224	P5306-03	VY020677.D	12/20/2024
OU4-VSL-09-121224	P5306-05	VY020678.D	12/20/2024
OU4-VSL-13-121224RE	P5306-13RE	VY020679.D	12/20/2024
OU4-VSL-10-121224	P5306-07	VY020680.D	12/20/2024
OU4-VSL-11-121224RE	P5306-09RE	VY020681.D	12/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1223SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020692.D Lab Sample ID: VY1223SBL01

Date Analyzed: 12/23/2024 Time Analyzed: 15:24

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
VY1223SBS01	VY1223SBS01	VY020693.D	12/23/2024
OU4-VSL-12-121224	P5306-11	VY020700.D	12/23/2024
OU4-VSL-14-121224	P5306-15	VY020701.D	12/23/2024
VY1223SBSD01	VY1223SBSD01	VY020703.D	12/23/2024

COMMENTS:

Raw Data: **VY020611.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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: **VY020644.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020644.D BFB Injection Date: 12/19/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:13

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	18.1
75	30.0 - 60.0% of mass 95	50.7
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	78.7
175	5.0 - 9.0% of mass 174	6 (7.6) 1
176	95.0 - 101.0% of mass 174	75.6 (96.2) 1
177	5.0 - 9.0% of mass 176	5.2 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020645.D	12/19/2024	09:43
VY1219SBL01	VY1219SBL01	VY020646.D	12/19/2024	11:07
VY1219SBS01	VY1219SBS01	VY020647.D	12/19/2024	11:53
OU4-VSL-07-121224	P5306-01	VY020652.D	12/19/2024	14:02
OU4-VSL-11-121224	P5306-09	VY020656.D	12/19/2024	15:36
OU4-VSL-13-121224	P5306-13	VY020658.D	12/19/2024	16:23
VSTDCCC050EC	VSTDCCC050	VY020662.D	12/19/2024	17:56

Raw Data: **VY020663.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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
OU4-VSL-08-121224	P5306-03	VY020677.D	12/20/2024	17:39
OU4-VSL-09-121224	P5306-05	VY020678.D	12/20/2024	18:02
OU4-VSL-13-121224RE	P5306-13RE	VY020679.D	12/20/2024	18:26
OU4-VSL-10-121224	P5306-07	VY020680.D	12/20/2024	18:49
OU4-VSL-11-121224RE	P5306-09RE	VY020681.D	12/20/2024	19:13
VSTDCCC050EC	VSTDCCC050	VY020682.D	12/20/2024	19:35

Raw Data: **VY020683.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020683.D BFB Injection Date: 12/23/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:45

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	18.1
75	30.0 - 60.0% of mass 95	55.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	85.5
175	5.0 - 9.0% of mass 174	6.8 (8) 1
176	95.0 - 101.0% of mass 174	83.5 (97.7) 1
177	5.0 - 9.0% of mass 176	5.9 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY020684.D	12/23/2024	11:30
VSTDICC010	VSTDICC010	VY020685.D	12/23/2024	11:53
VSTDICC020	VSTDICC020	VY020686.D	12/23/2024	12:16
VSTDICCC050	VSTDICCC050	VY020687.D	12/23/2024	12:38
VSTDICC100	VSTDICC100	VY020688.D	12/23/2024	13:01
VSTDICC150	VSTDICC150	VY020689.D	12/23/2024	13:24
VY1223SBL01	VY1223SBL01	VY020692.D	12/23/2024	15:24
VY1223SBS01	VY1223SBS01	VY020693.D	12/23/2024	15:51
OU4-VSL-12-121224	P5306-11	VY020700.D	12/23/2024	18:38
OU4-VSL-14-121224	P5306-15	VY020701.D	12/23/2024	19:01
VY1223SBSD01	VY1223SBSD01	VY020703.D	12/23/2024	19:47
VSTDCCC050EC	VSTDCCC050	VY020704.D	12/23/2024	20:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020645.D Date Analyzed: 12/19/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:43

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	206000	7.71	308825	8.62	266753	11.41
UPPER LIMIT	412000	8.207	617650	9.116	533506	11.914
LOWER LIMIT	103000	7.207	154413	8.116	133377	10.914
EPA SAMPLE NO.						
OU4-VSL-07-121224	200454	7.71	353691	8.62	303802	11.41
OU4-VSL-11-121224	183535	7.71	322870	8.62	277473	11.41
OU4-VSL-13-121224	180951	7.71	321451	8.62	274829	11.41
VY1219SBL01	204045	7.71	318952	8.62	271132	11.42
VY1219SBS01	184895	7.71	283194	8.62	247561	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020645.D Date Analyzed: 12/19/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:43

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

	IS4 AREA #	RT #				
12 HOUR STD	146371	13.347				
UPPER LIMIT	292742	13.847				
LOWER LIMIT	73185.5	12.847				
EPA SAMPLE NO.						
OU4-VSL-07-121224	124037	13.35				
OU4-VSL-11-121224	112091	13.35				
OU4-VSL-13-121224	108145	13.35				
VY1219SBL01	145317	13.35				
VY1219SBS01	139236	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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.									
OU4-VSL-08-121224	141675		7.71	253999		8.62	260739		11.41
OU4-VSL-09-121224	168078		7.71	307691		8.62	271047		11.41
OU4-VSL-10-121224	164343		7.71	302908		8.62	266394		11.41
OU4-VSL-11-121224RE	29041	*	7.71	44319	*	8.62	33564	*	11.42
OU4-VSL-13-121224RE	13256	*	7.71	17467	*	8.62	9407	*	11.42
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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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.							
OU4-VSL-08-121224	105748		13.35				
OU4-VSL-09-121224	109147		13.35				
OU4-VSL-10-121224	108630		13.35				
OU4-VSL-11-121224RE	10185	*	13.35				
OU4-VSL-13-121224RE	1297	*	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020687.D Date Analyzed: 12/23/2024

Instrument ID: MSVOA_Y Time Analyzed: 12:38

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	100940	7.73	139898	8.63	121636	11.43
UPPER LIMIT	201880	8.225	279796	9.128	243272	11.926
LOWER LIMIT	50470	7.225	69949	8.128	60818	10.926
EPA SAMPLE NO.						
OU4-VSL-12-121224	94664	7.72	149835	8.62	128778	11.43
OU4-VSL-14-121224	94774	7.72	152816	8.62	128401	11.42
VY1223SBL01	103684	7.72	162906	8.62	133896	11.43
VY1223SBS01	116113	7.72	161575	8.62	134443	11.43
VY1223SBSD01	104834	7.72	154339	8.62	131930	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab File ID: VY020687.D Date Analyzed: 12/23/2024

Instrument ID: MSVOA_Y Time Analyzed: 12:38

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

	IS4 AREA #	RT #				
12 HOUR STD	61579	13.352				
UPPER LIMIT	123158	13.852				
LOWER LIMIT	30789.5	12.852				
EPA SAMPLE NO.						
OU4-VSL-12-121224	55306	13.35				
OU4-VSL-14-121224	54196	13.35				
VY1223SBL01	51849	13.36				
VY1223SBS01	68792	13.35				
VY1223SBSD01	69344	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: **VY020652.D**

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020652.D	1		12/19/24 14:02	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0038	U	0.0016	0.0038	0.0047	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00073	0.0024	0.0047	mg/Kg
74-83-9	Bromomethane	0.0038	U	0.00098	0.0038	0.0047	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.00096	0.0024	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0050	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0038	U	0.00086	0.0038	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0047	0.012	0.024	mg/Kg
67-64-1	Acetone	0.019	U	0.0059	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0038	U	0.0012	0.0038	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0076	U	0.0032	0.0076	0.0095	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00080	0.0024	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00060	0.0024	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0054	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00082	0.0024	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0038	U	0.0015	0.0038	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00058	0.0024	0.0047	mg/Kg
67-66-3	Chloroform	0.0038	U	0.00064	0.0038	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00069	0.0024	0.0047	mg/Kg
71-43-2	Benzene	0.0024	U	0.00068	0.0024	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00058	0.0024	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00071	0.0024	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00063	0.0024	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00053	0.0024	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0041	0.012	0.024	mg/Kg

Raw Data: **VY020652.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020652.D	1		12/19/24 14:02	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00057	0.0024	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00054	0.0024	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00080	0.0024	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00056	0.0024	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0045	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00062	0.0024	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.00084	0.0024	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00070	0.0024	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00061	0.0024	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0013	0.0047	0.0095	mg/Kg
1330-20-7	Total Xylenes	0.0071	U	0.0020	0.0071	0.014	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00066	0.0024	0.0047	mg/Kg
100-42-5	Styrene	0.0024	U	0.00057	0.0024	0.0047	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00077	0.0024	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0038	U	0.0011	0.0038	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.00062	0.0024	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00061	0.0024	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00061	0.0024	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.00056	0.0024	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.0013	0.0024	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00055	0.0024	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.00070	0.0024	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.00076	0.0024	0.0047	mg/Kg

Raw Data: **VY020652.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020652.D	1		12/19/24 14:02	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.00060	0.0024	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.00056	0.0024	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0038	U	0.0015	0.0038	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.00077	0.0024	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.00076	0.0024	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.4		71 - 136		125%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	57.6		85 - 116		115%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	200000	7.713				
540-36-3	1,4-Difluorobenzene	354000	8.616				
3114-55-4	Chlorobenzene-d5	304000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	124000	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: **VY020652.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020652.D
Acq On : 19 Dec 2024 14:02
Operator : SY/MD
Sample : P5306-01
Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Quant Time: Dec 20 00:49:19 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	200454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	353691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	303802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137094	62.446	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.900%			
35) Dibromofluoromethane	7.634	113	138350	55.502	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.000%			
50) Toluene-d8	10.103	98	502199	57.559	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.120%			
62) 4-Bromofluorobenzene	12.408	95	163291	47.845	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.680%			
Target Compounds						Qvalue
29) Tetrahydrofuran	7.274	42	641	1.245	ug/l #	85

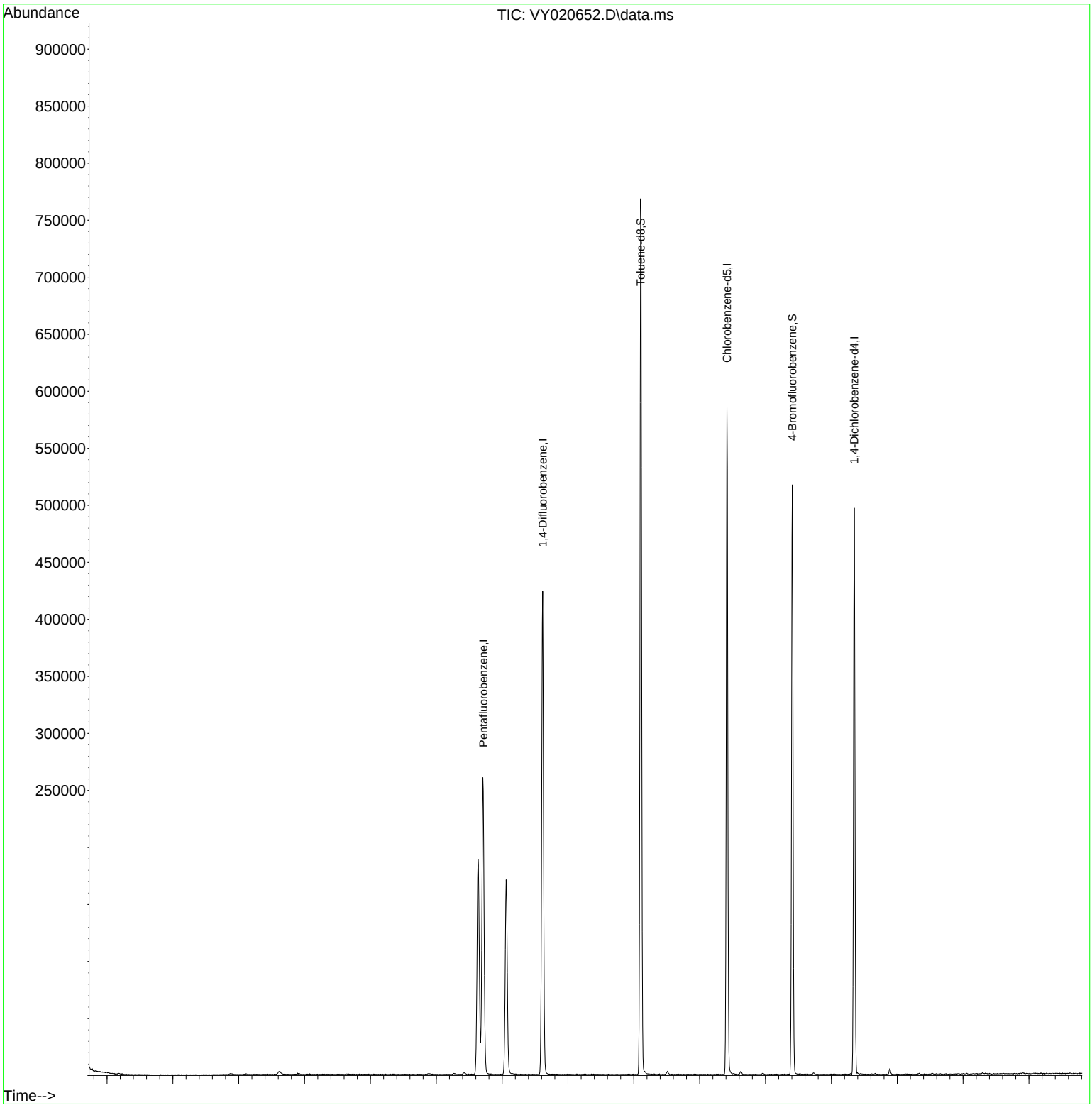
(#) = qualifier out of range (m) = manual integration (+) = signals summed

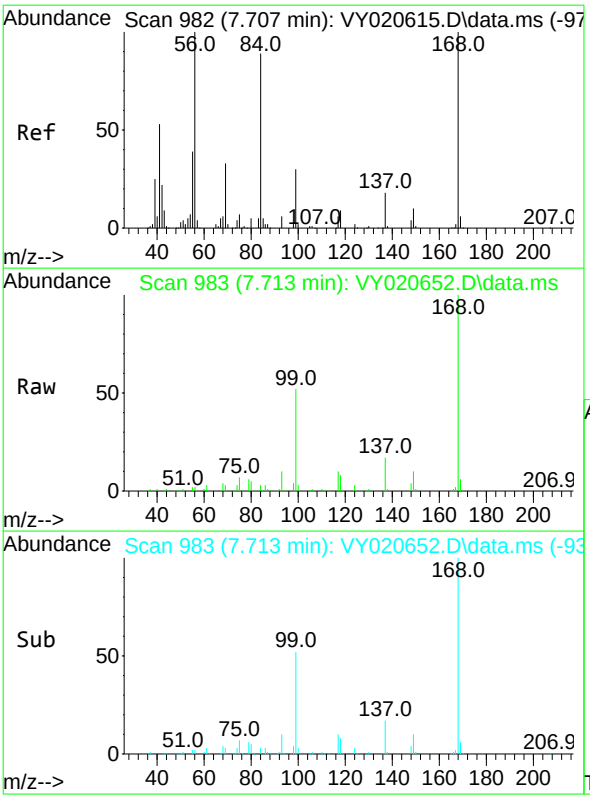
Sample Results: **VY020652.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020652.D
Acq On : 19 Dec 2024 14:02
Operator : SY/MD
Sample : P5306-01
Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Quant Time: Dec 20 00:49:19 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



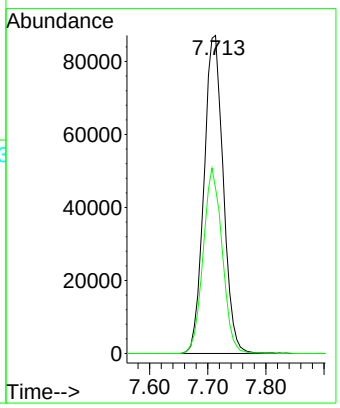


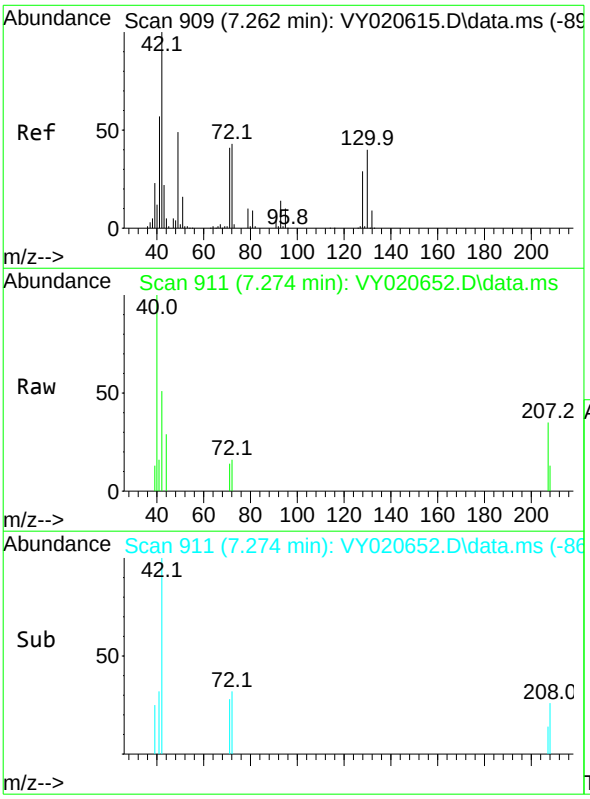
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Tgt Ion:168 Resp: 200454

Ion	Ratio	Lower	Upper
168	100		
99	52.0	47.0	70.6

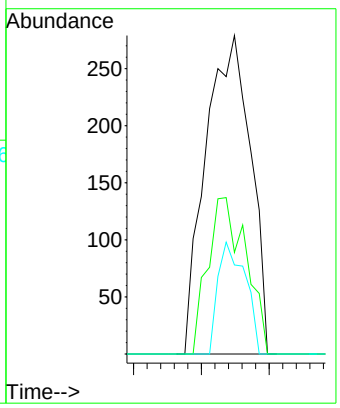


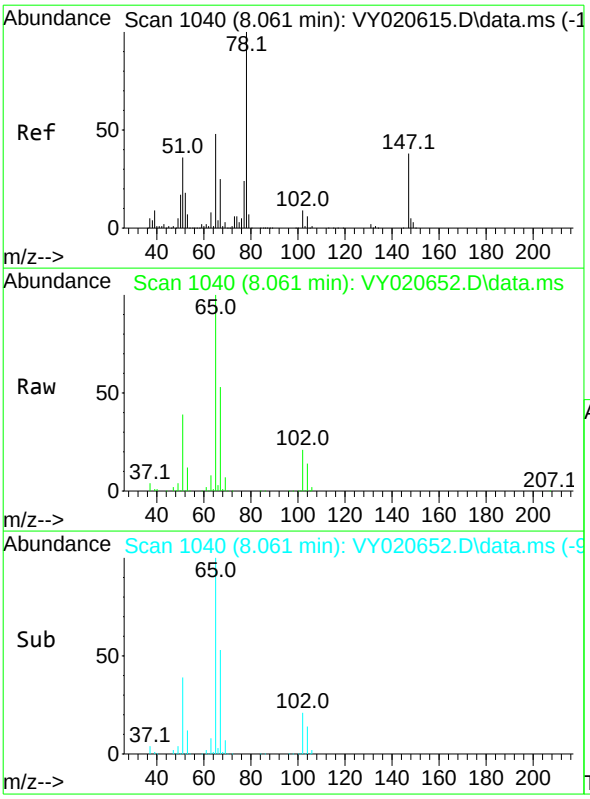


#29
Tetrahydrofuran
Concen: 1.245 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Tgt Ion: 42 Resp: 641

Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.0	51.0
71	21.4	31.6	47.4#



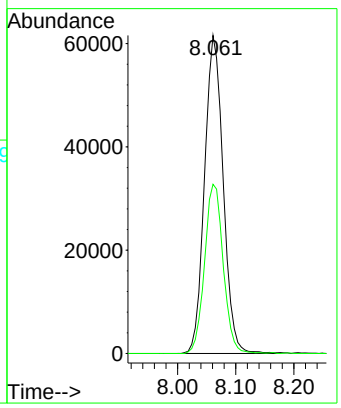


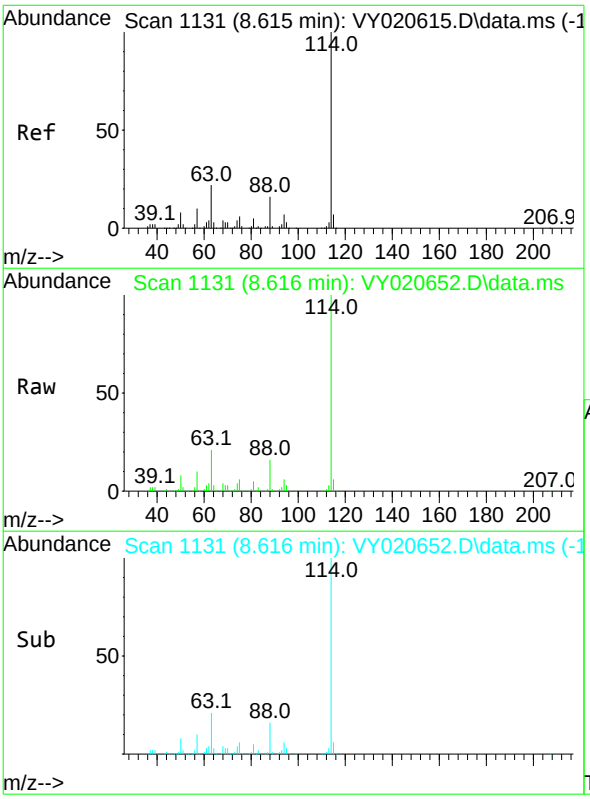
#33
1,2-Dichloroethane-d4
Concen: 62.446 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Tgt Ion: 65 Resp: 137094

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.0

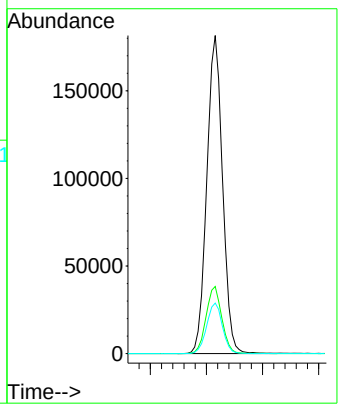


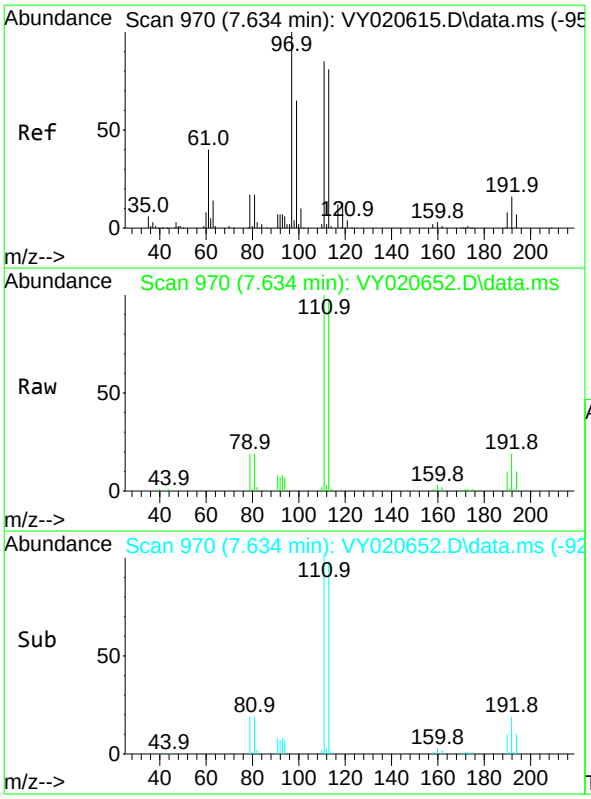


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Tgt Ion:114 Resp: 353691

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.9	0.0	32.8



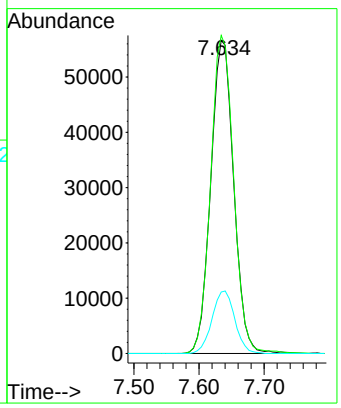


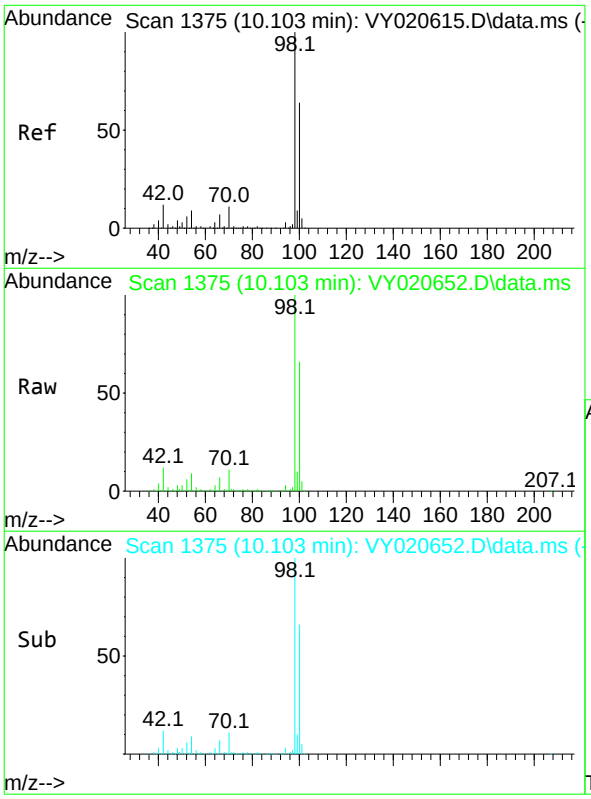
#35
Dibromofluoromethane
Concen: 55.502 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Tgt Ion:113 Resp: 138350

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	19.9	15.7	23.5

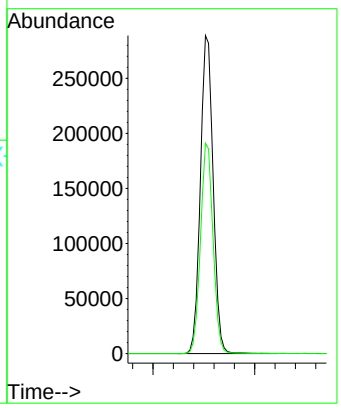


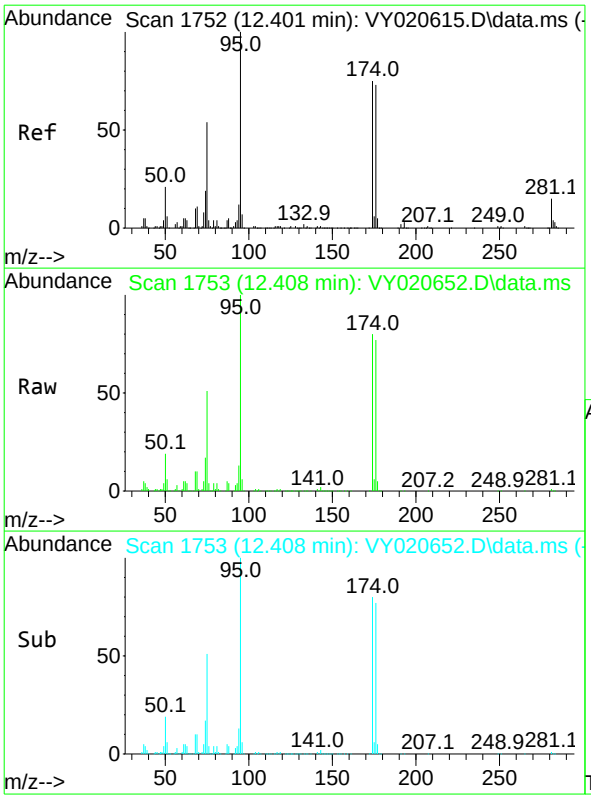


#50
Toluene-d8
Concen: 57.559 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Tgt Ion: 98 Resp: 502199

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



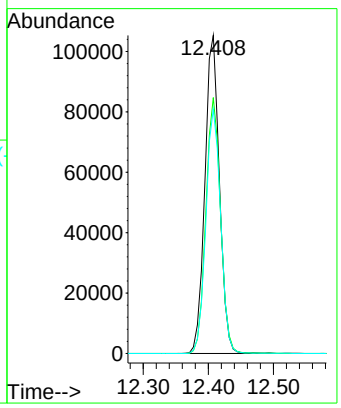


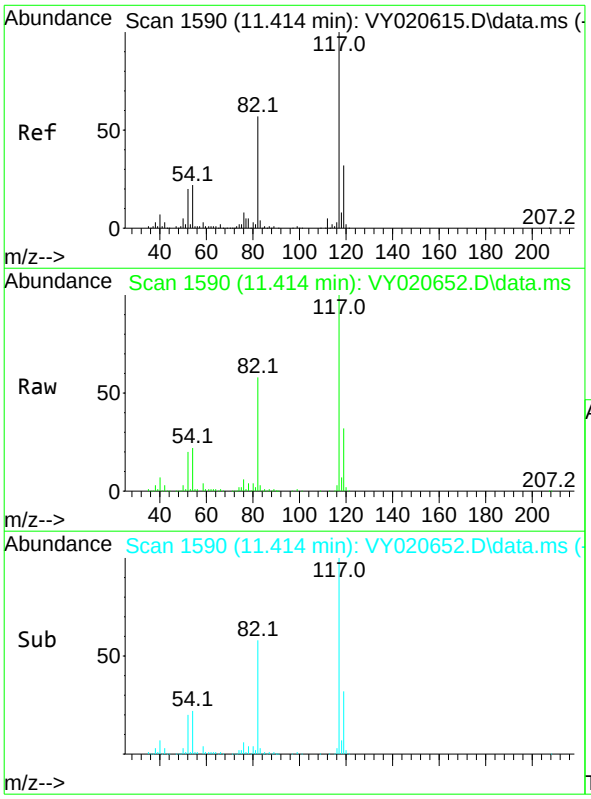
#62
4-Bromofluorobenzene
Concen: 47.845 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Tgt Ion: 95 Resp: 163291

Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	161.8
176	78.1	0.0	156.6

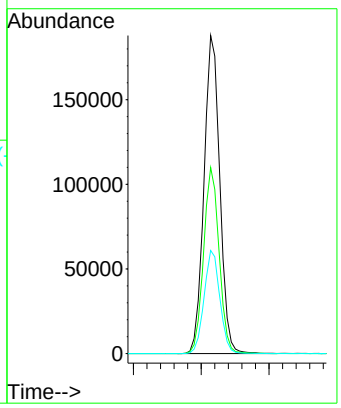


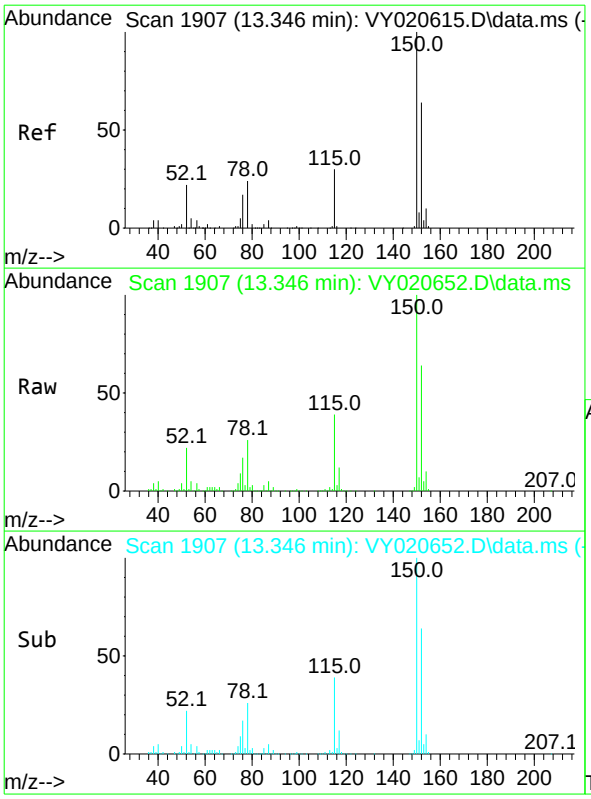


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Tgt Ion:117 Resp: 303802

Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.8	68.6
119	32.4	25.3	37.9



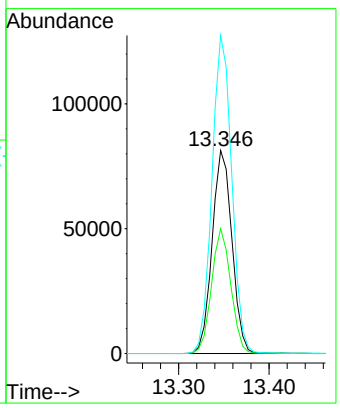


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020652.D
Acq: 19 Dec 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-07-121224

Tgt Ion:152 Resp: 124037

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	155.9	0.0	355.4



Raw Data: **VY020677.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020677.D	1		12/20/24 17:39	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00076	0.0025	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.00099	0.0025	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0052	0.012	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.00089	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0061	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0013	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0079	U	0.0034	0.0079	0.0098	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00083	0.0025	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00062	0.0025	0.0049	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0056	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00086	0.0025	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0016	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00060	0.0025	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00066	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00072	0.0025	0.0049	mg/Kg
71-43-2	Benzene	0.0025	U	0.00071	0.0025	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00060	0.0025	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00074	0.0025	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00065	0.0025	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00055	0.0025	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0043	0.012	0.025	mg/Kg

Raw Data: **VY020677.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020677.D	1		12/20/24 17:39	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	UQ	0.00059	0.0025	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00056	0.0025	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00083	0.0025	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	UQ	0.00058	0.0025	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0047	0.012	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00064	0.0025	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00078	0.0025	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00088	0.0025	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00073	0.0025	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0013	0.0049	0.0098	mg/Kg
1330-20-7	Total Xylenes	0.0074	U	0.0020	0.0074	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00069	0.0025	0.0049	mg/Kg
100-42-5	Styrene	0.0025	U	0.00059	0.0025	0.0049	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00080	0.0025	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00064	0.0025	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00061	0.0025	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00063	0.0025	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00058	0.0025	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0013	0.0025	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00057	0.0025	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00073	0.0025	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00079	0.0025	0.0049	mg/Kg

Raw Data: **VY020677.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020677.D	1		12/20/24 17:39	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00062	0.0025	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00058	0.0025	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	UQ	0.0015	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00080	0.0025	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00077	0.0025	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00079	0.0025	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.9		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	67.5	*	85 - 116		135%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		79 - 119		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	7.707				
540-36-3	1,4-Difluorobenzene	254000	8.615				
3114-55-4	Chlorobenzene-d5	261000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020677.D
Acq On : 20 Dec 2024 17:39
Operator : SY/MD
Sample : P5306-03
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Quant Time: Dec 20 22:02:52 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

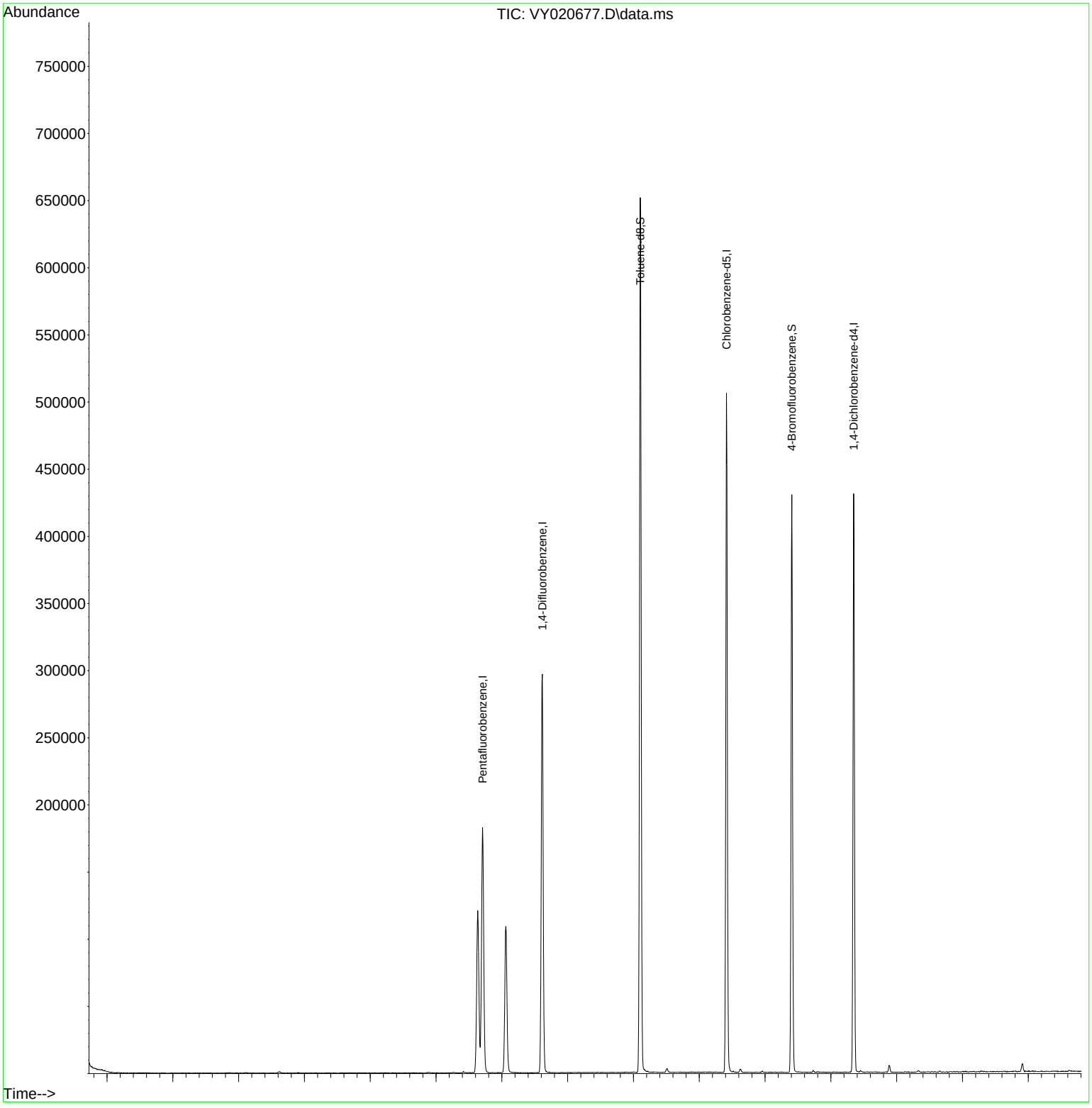
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	141675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	253999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	92900	59.872	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.740%			
35) Dibromofluoromethane	7.634	113	84865	47.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.820%			
50) Toluene-d8	10.103	98	423196	67.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 135.080%#			
62) 4-Bromofluorobenzene	12.407	95	128660	52.494	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.980%			
Target Compounds						Qvalue

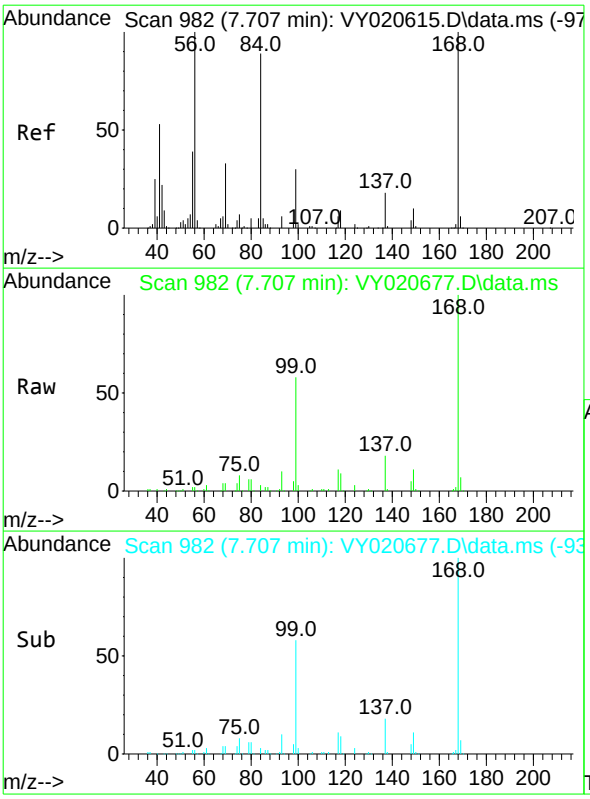
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020677.D
Acq On : 20 Dec 2024 17:39
Operator : SY/MD
Sample : P5306-03
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Quant Time: Dec 20 22:02:52 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



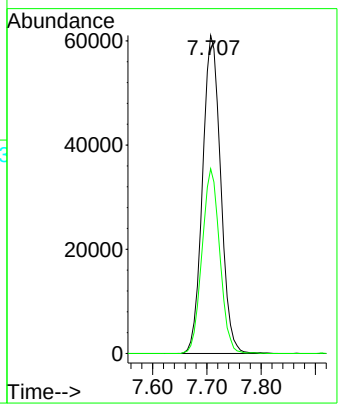


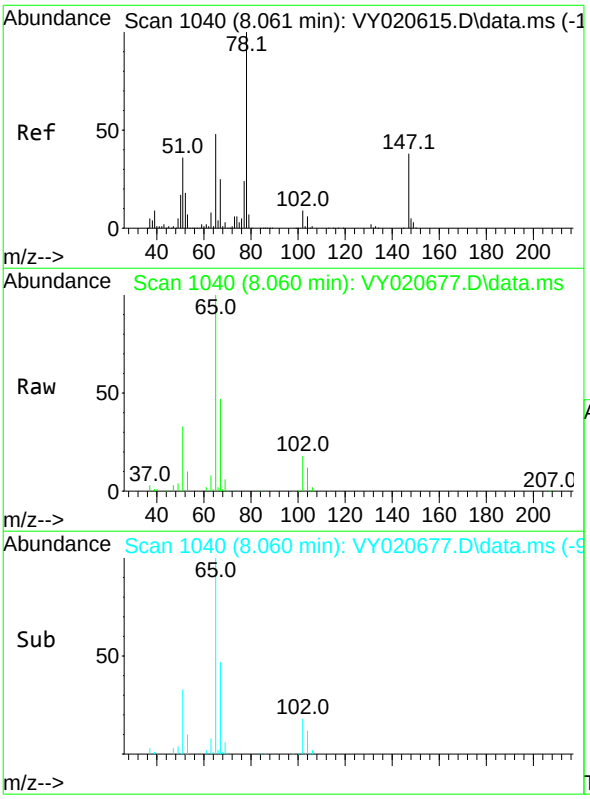
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Tgt Ion:168 Resp: 141675

Ion	Ratio	Lower	Upper
168	100		
99	58.1	47.0	70.6

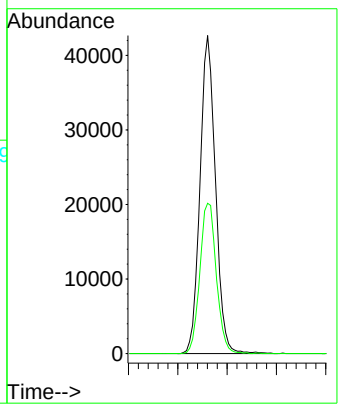


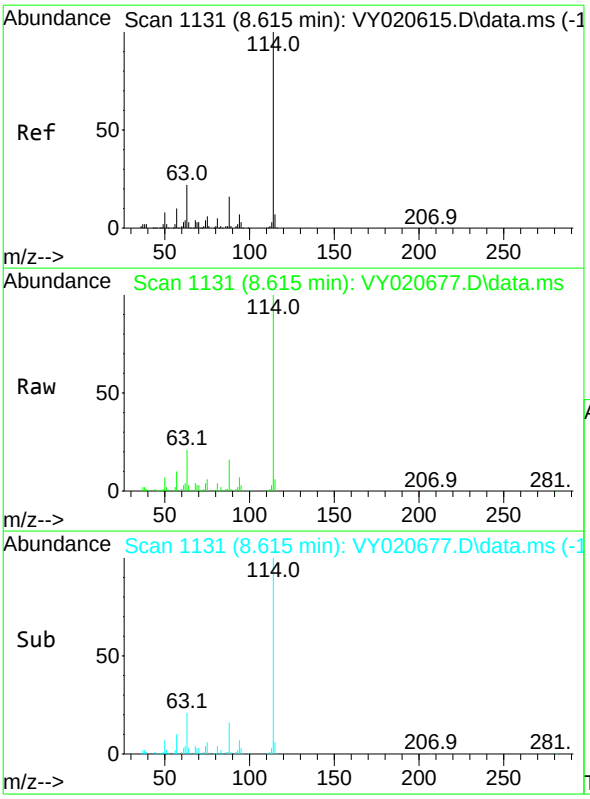


#33
1,2-Dichloroethane-d4
Concen: 59.872 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Tgt Ion: 65 Resp: 92900

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	108.0



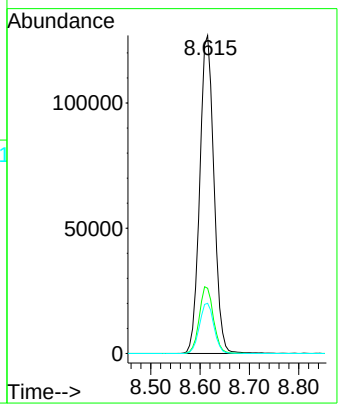


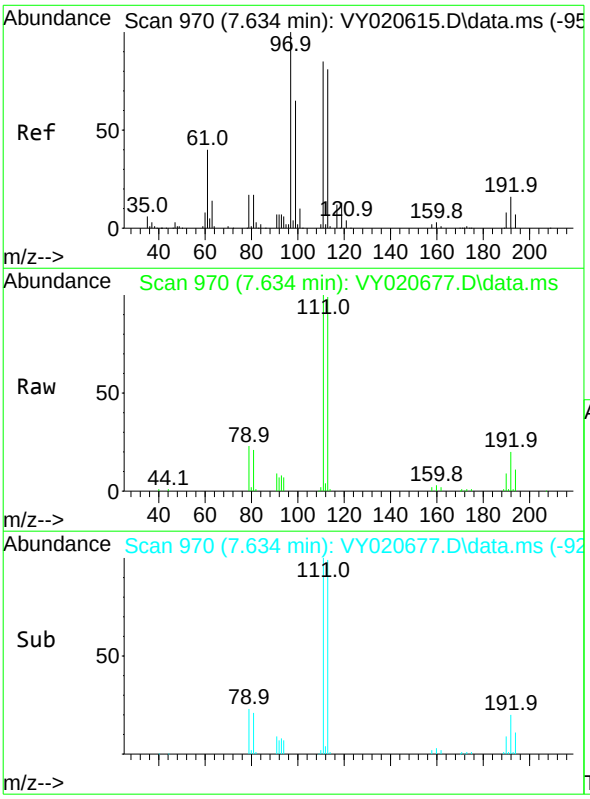
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Tgt Ion:114 Resp: 253999

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

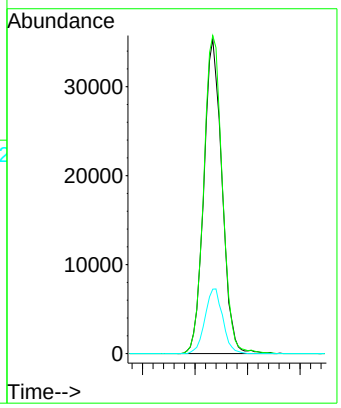


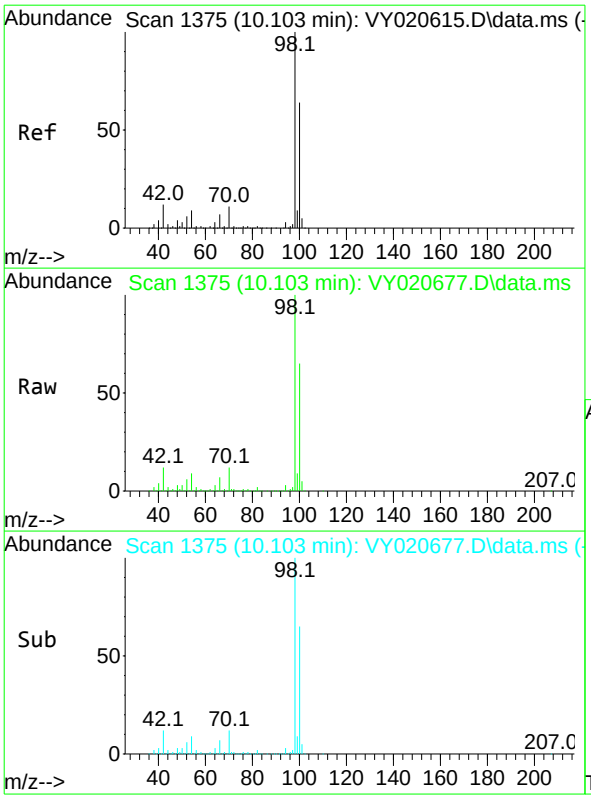


#35
Dibromofluoromethane
Concen: 47.407 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Tgt Ion:113 Resp: 84865

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	20.1	15.7	23.5



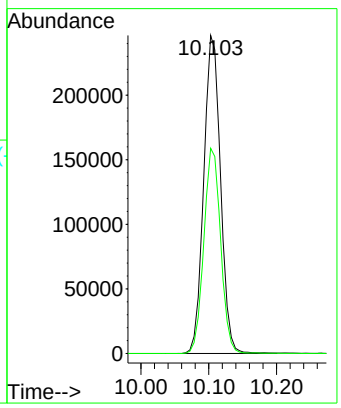


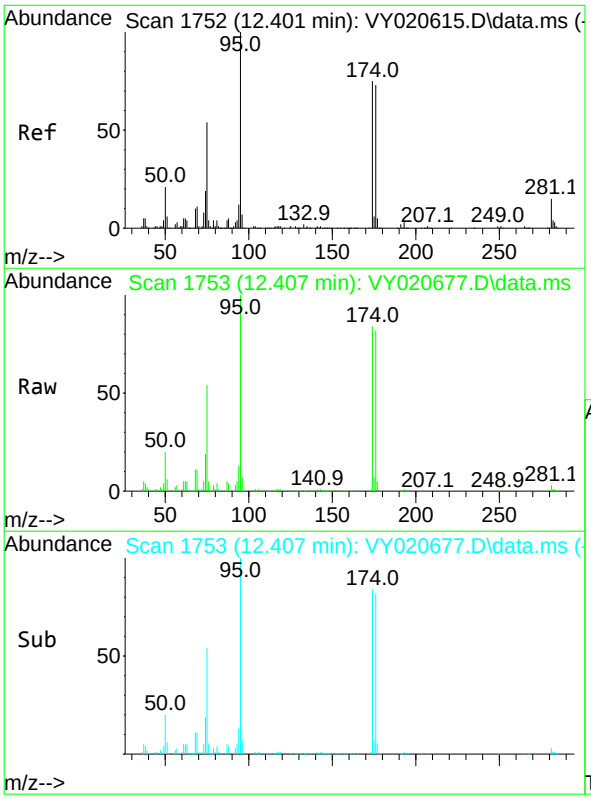
#50
Toluene-d8
Concen: 67.542 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Tgt Ion: 98 Resp: 423196

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

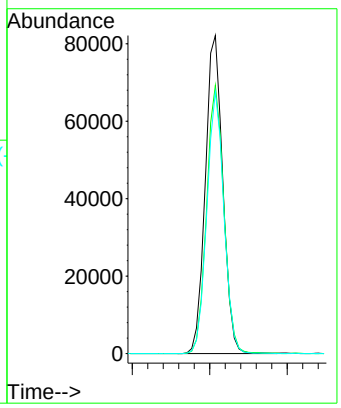


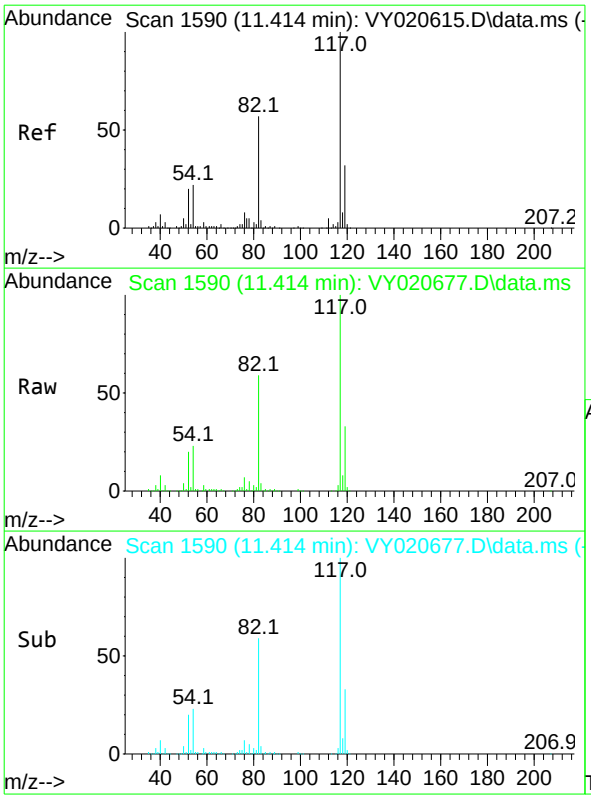


#62
4-Bromofluorobenzene
Concen: 52.494 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Tgt Ion: 95 Resp: 128660

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	161.8
176	80.3	0.0	156.6



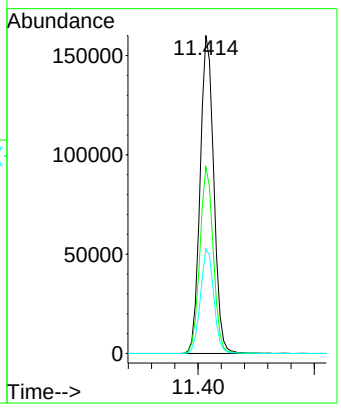


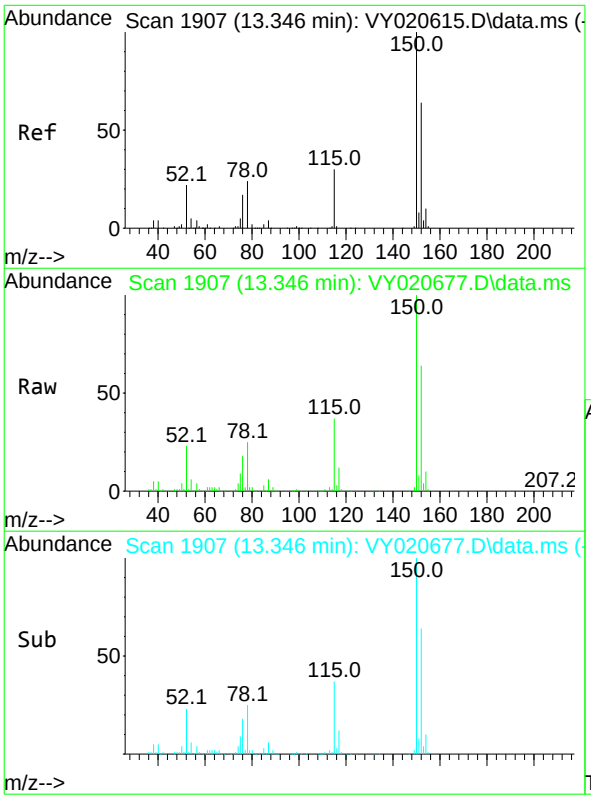
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-08-121224

Tgt Ion:117 Resp: 260739

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	32.9	25.3	37.9

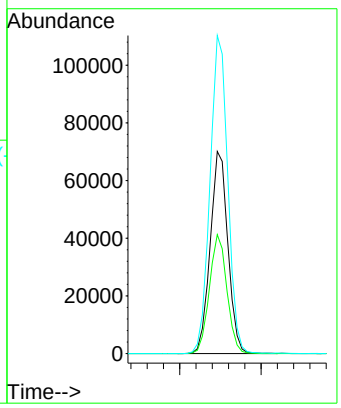




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020677.D
Acq: 20 Dec 2024 17:39

Tgt Ion:152 Resp: 105748

Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.2	90.6
150	158.1	0.0	355.4



Raw Data: **VY020678.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.1
Sample Wt/Vol:	6.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020678.D	1		12/20/24 18:02	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00095	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.00093	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0048	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00084	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00098	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.018	U	0.0057	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0074	U	0.0031	0.0074	0.0092	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0052	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00062	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00051	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0040	0.012	0.023	mg/Kg

Raw Data: **VY020678.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.1
Sample Wt/Vol:	6.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020678.D	1		12/20/24 18:02	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	UQ	0.00055	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	UQ	0.00054	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0044	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00082	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0012	0.0046	0.0092	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0018	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00064	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg

Raw Data: **VY020678.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.1
Sample Wt/Vol:	6.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020678.D	1		12/20/24 18:02	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	UQ	0.0014	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	63.0		71 - 136		126%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	55.4		85 - 116		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		79 - 119		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	7.707				
540-36-3	1,4-Difluorobenzene	308000	8.616				
3114-55-4	Chlorobenzene-d5	271000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.347				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020678.D
Acq On : 20 Dec 2024 18:02
Operator : SY/MD
Sample : P5306-05
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Quant Time: Dec 20 22:03:12 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	168078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	271047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116016	63.024	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.040%			
35) Dibromofluoromethane	7.634	113	111624	51.475	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.103	98	420376	55.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.760%			
62) 4-Bromofluorobenzene	12.408	95	132356	44.578	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.160%			
Target Compounds						Qvalue

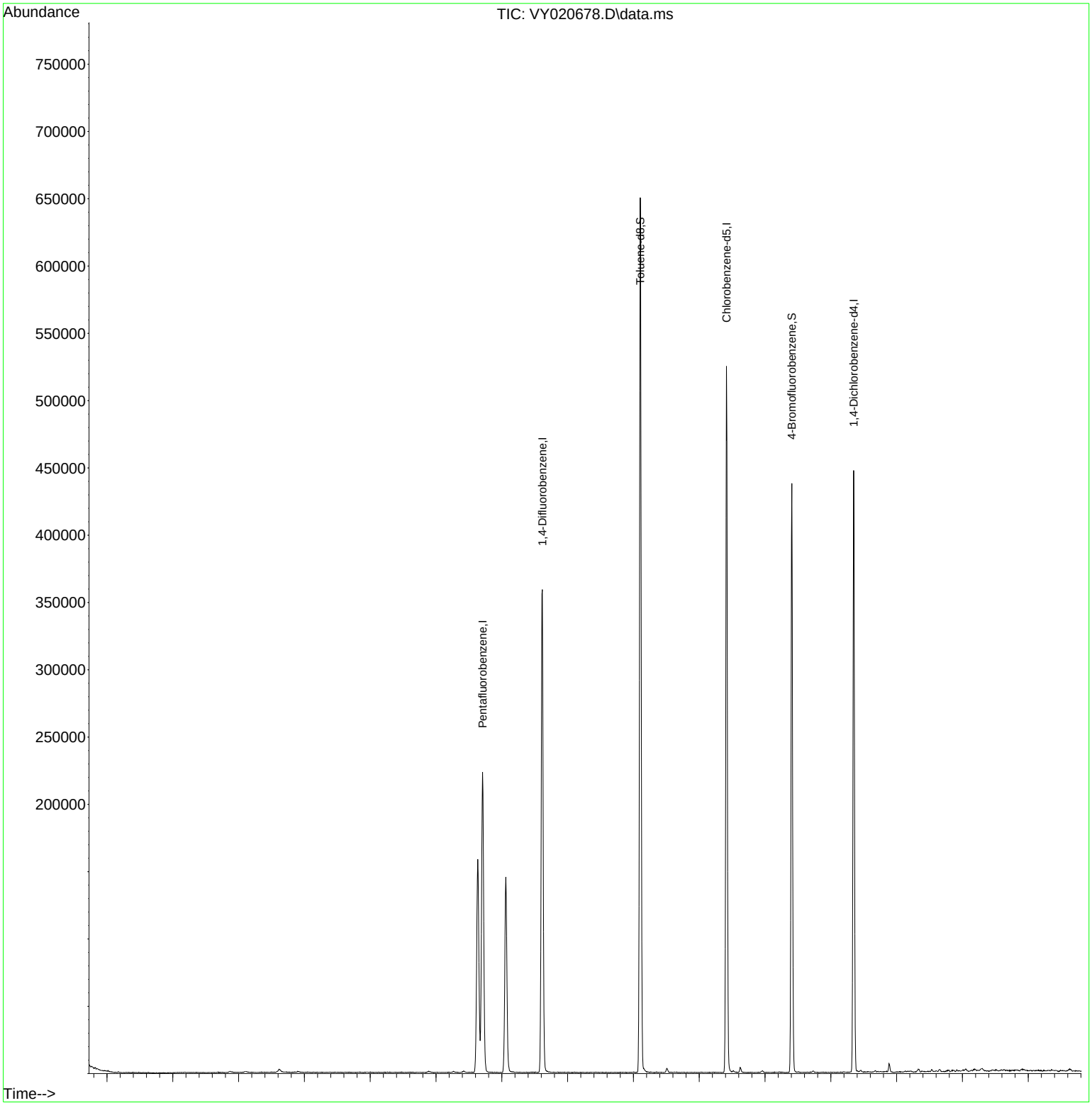
(#) = qualifier out of range (m) = manual integration (+) = signals summed

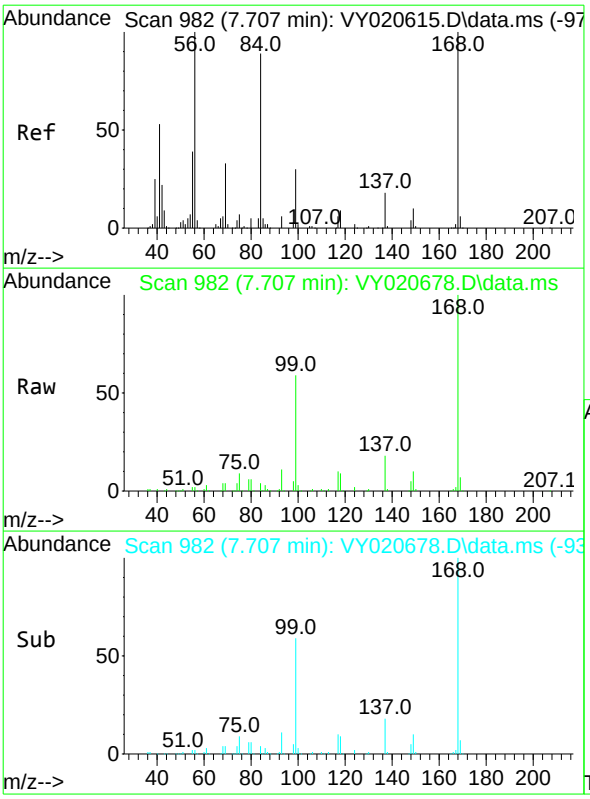
Sample Results: **VY020678.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020678.D
Acq On : 20 Dec 2024 18:02
Operator : SY/MD
Sample : P5306-05
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Quant Time: Dec 20 22:03:12 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



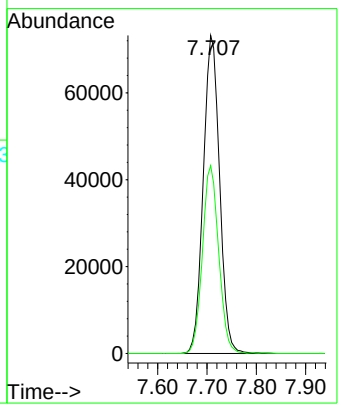


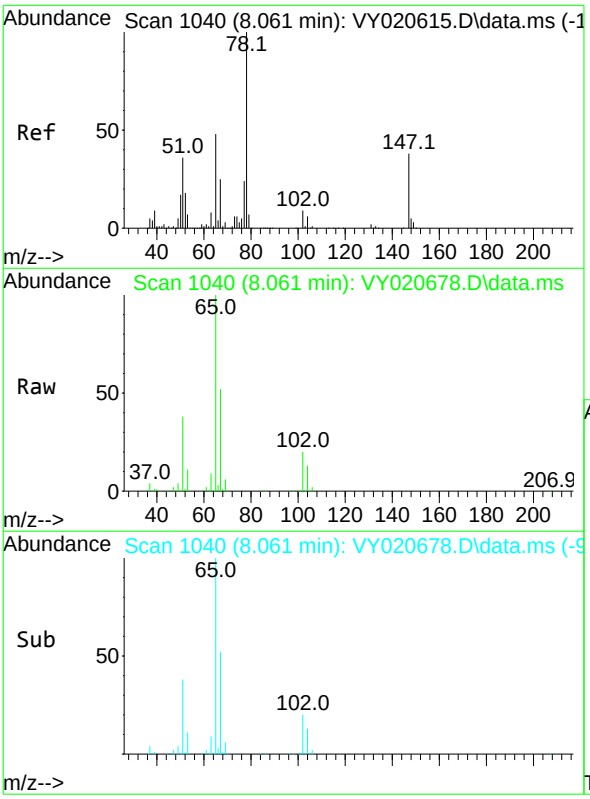
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Tgt Ion:168 Resp: 168078

Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.0	70.6

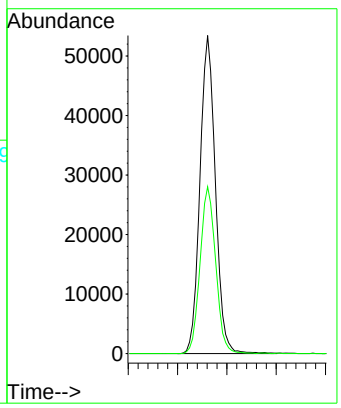


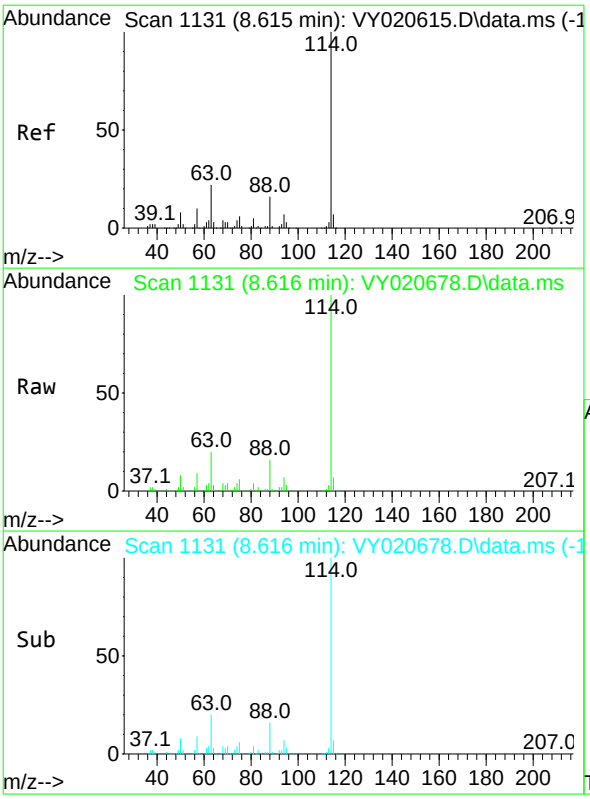


#33
1,2-Dichloroethane-d4
Concen: 63.024 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Tgt Ion: 65 Resp: 116016

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	108.0



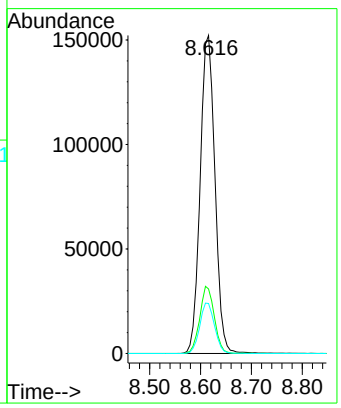


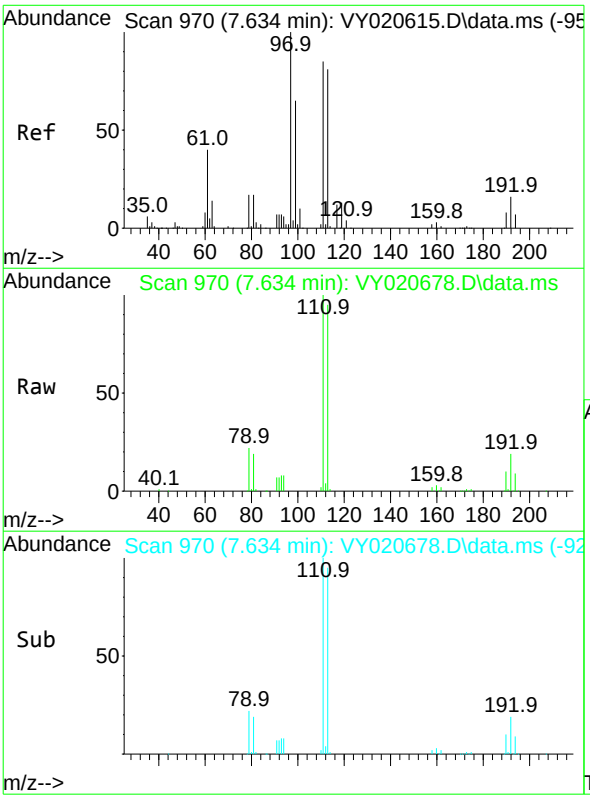
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Tgt Ion:114 Resp: 307691

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.7	0.0	32.8

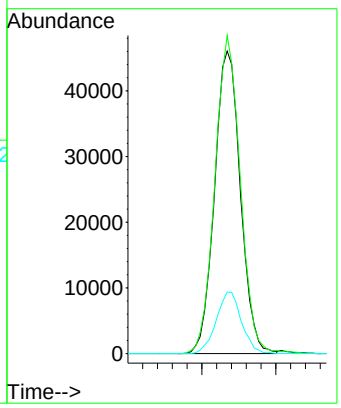


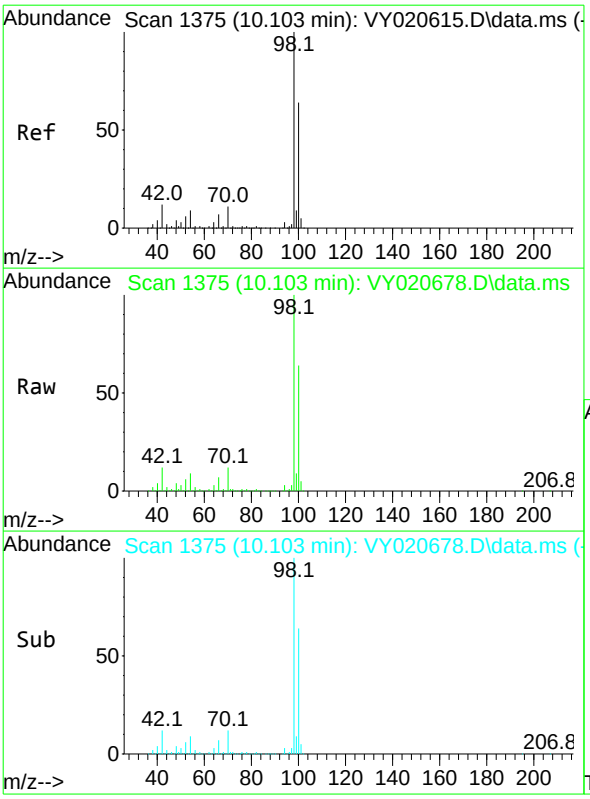


#35
Dibromofluoromethane
Concen: 51.475 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Tgt Ion:113 Resp: 111624

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.9	15.7	23.5



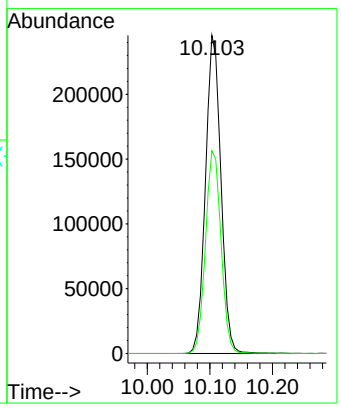


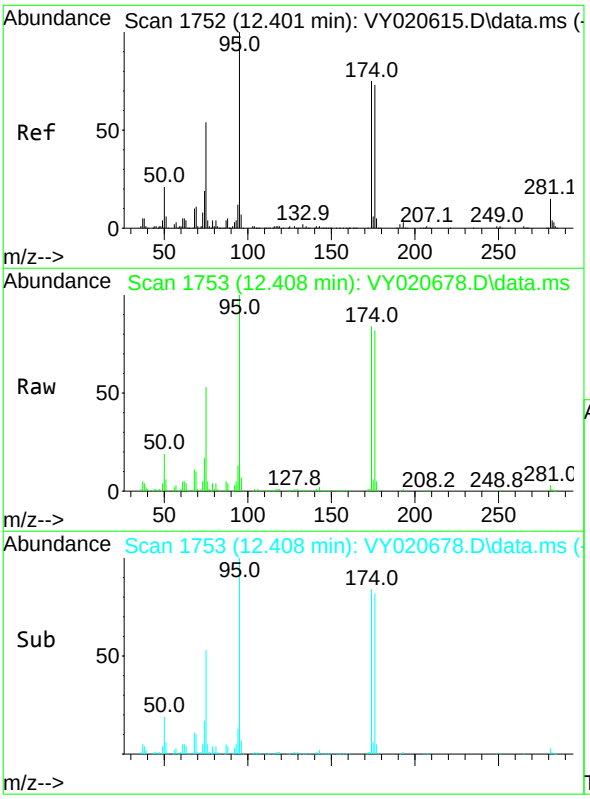
#50
Toluene-d8
Concen: 55.384 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Tgt Ion: 98 Resp: 420376

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

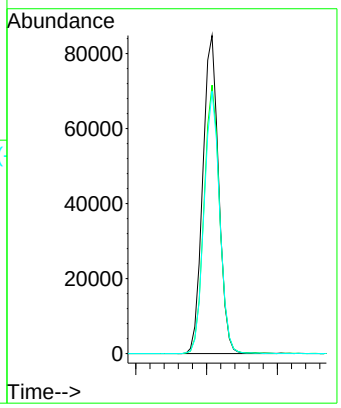


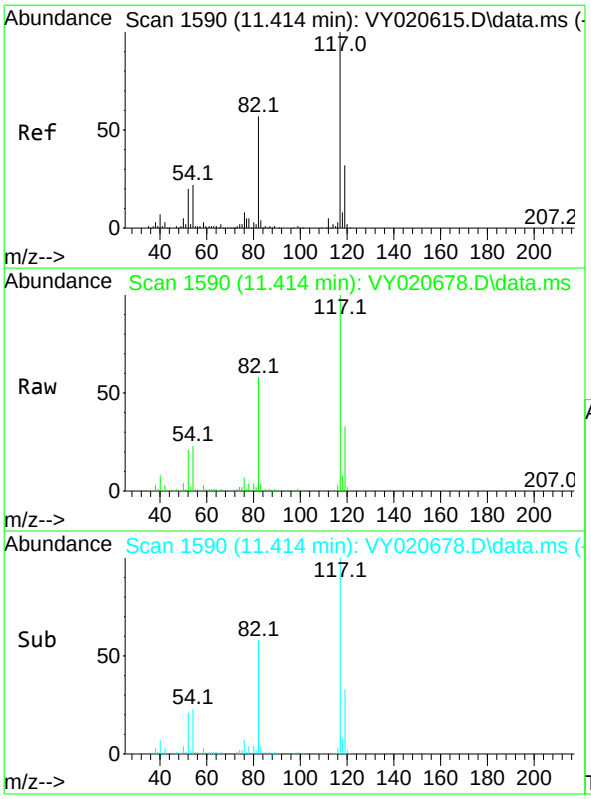


#62
4-Bromofluorobenzene
Concen: 44.578 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Tgt Ion: 95 Resp: 132356

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	161.8
176	80.9	0.0	156.6



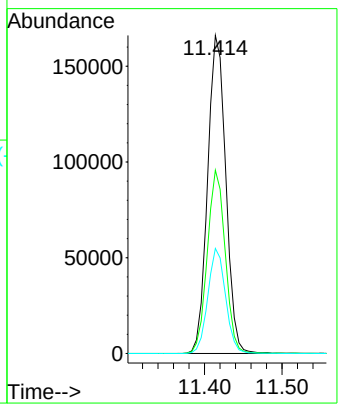


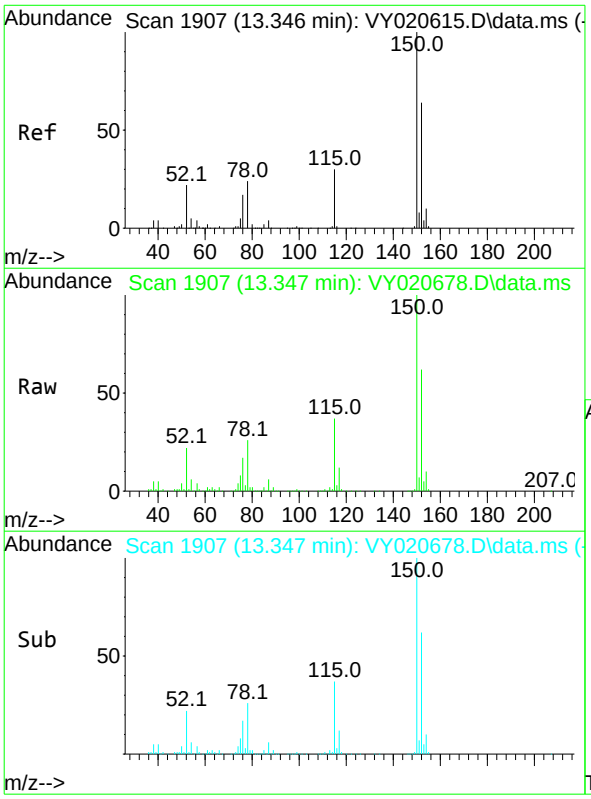
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-09-121224

Tgt Ion:117 Resp: 271047

Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.6
119	33.0	25.3	37.9

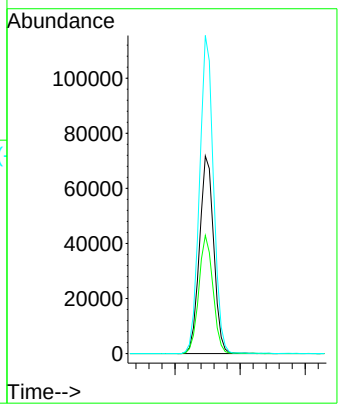




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020678.D
Acq: 20 Dec 2024 18:02

Tgt Ion:152 Resp: 109147

Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.2	90.6
150	157.6	0.0	355.4



Raw Data: **VY020680.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020680.D	1		12/20/24 18:49	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00076	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0052	0.012	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00090	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0050	0.012	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0079	U	0.0034	0.0079	0.0099	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00083	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0056	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0043	0.012	0.025	mg/Kg

Raw Data: **VY020680.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020680.D	1		12/20/24 18:49	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	UQ	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00083	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	UQ	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0048	0.012	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0013	0.0050	0.0099	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg

Raw Data: **VY020680.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020680.D	1		12/20/24 18:49	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	UQ	0.0015	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.6		71 - 136		123%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	55.6		85 - 116		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		79 - 119		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.707				
540-36-3	1,4-Difluorobenzene	303000	8.616				
3114-55-4	Chlorobenzene-d5	266000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.347				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020680.D
Acq On : 20 Dec 2024 18:49
Operator : SY/MD
Sample : P5306-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Quant Time: Dec 20 22:03:50 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

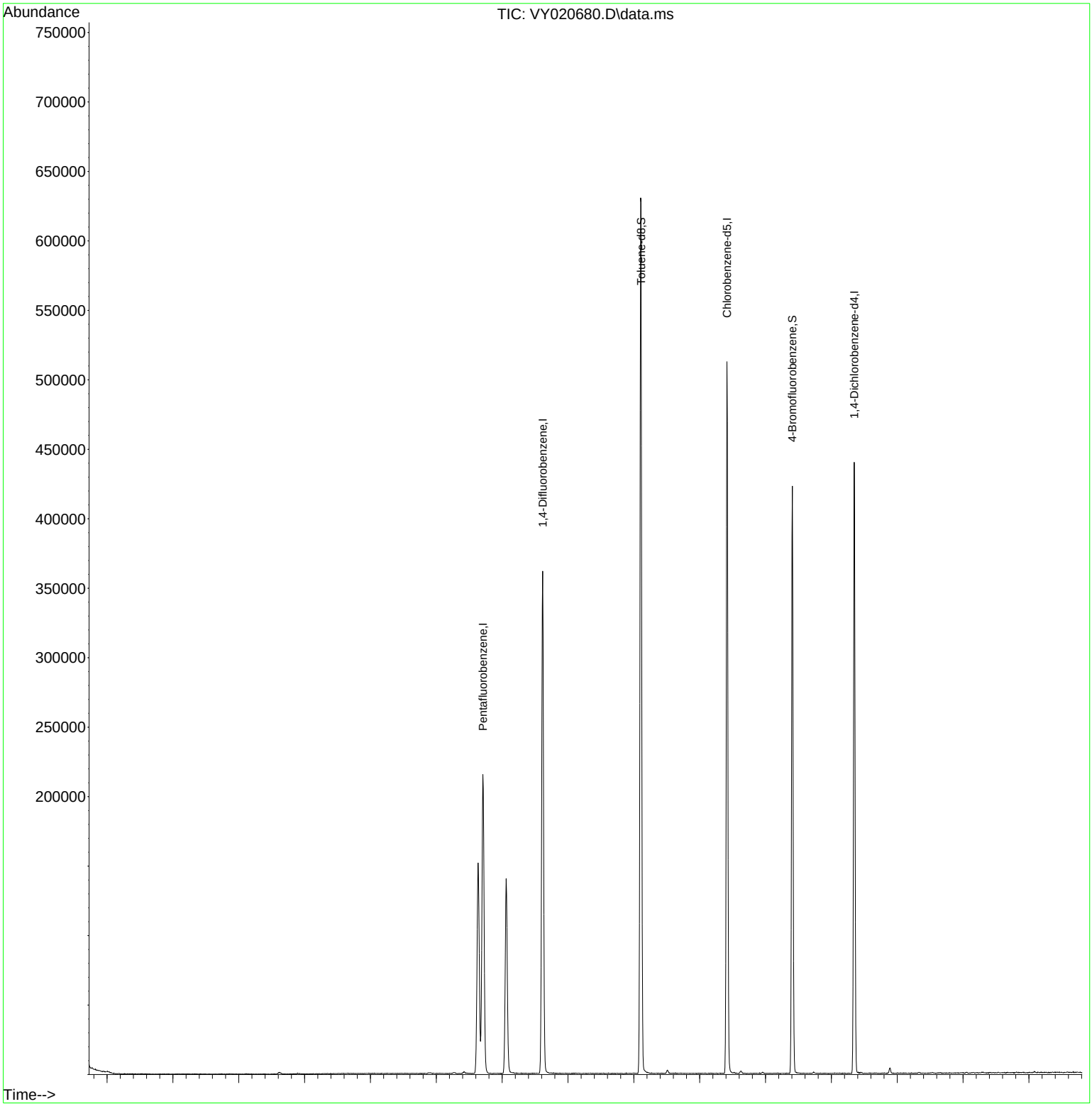
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	164343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	302908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110799	61.558	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.120%			
35) Dibromofluoromethane	7.634	113	108043	50.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.220%			
50) Toluene-d8	10.109	98	415742	55.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.280%			
62) 4-Bromofluorobenzene	12.408	95	129420	44.278	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 88.560%			
Target Compounds						Qvalue

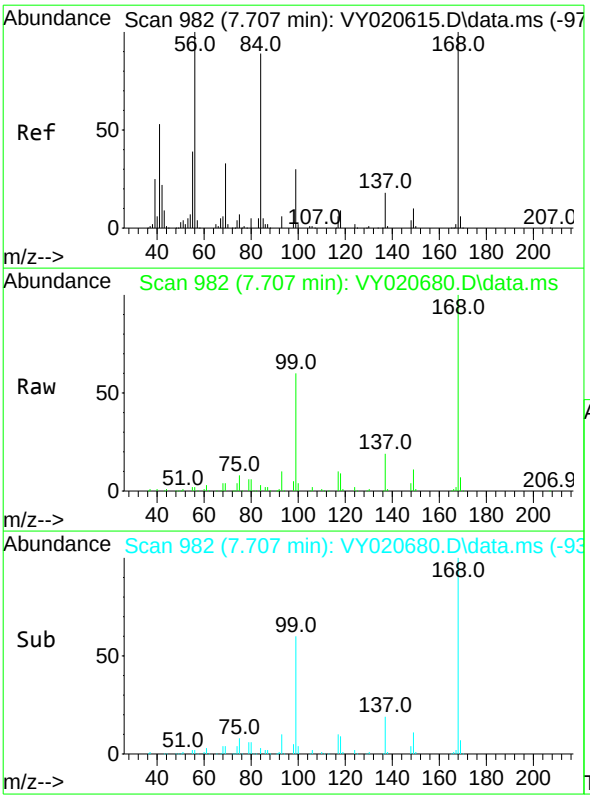
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020680.D
Acq On : 20 Dec 2024 18:49
Operator : SY/MD
Sample : P5306-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Quant Time: Dec 20 22:03:50 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



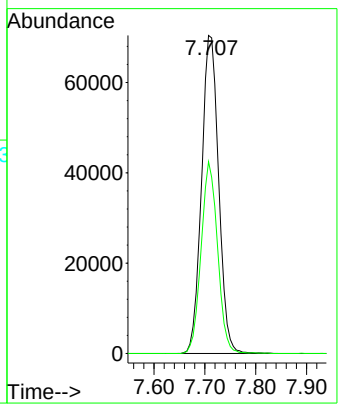


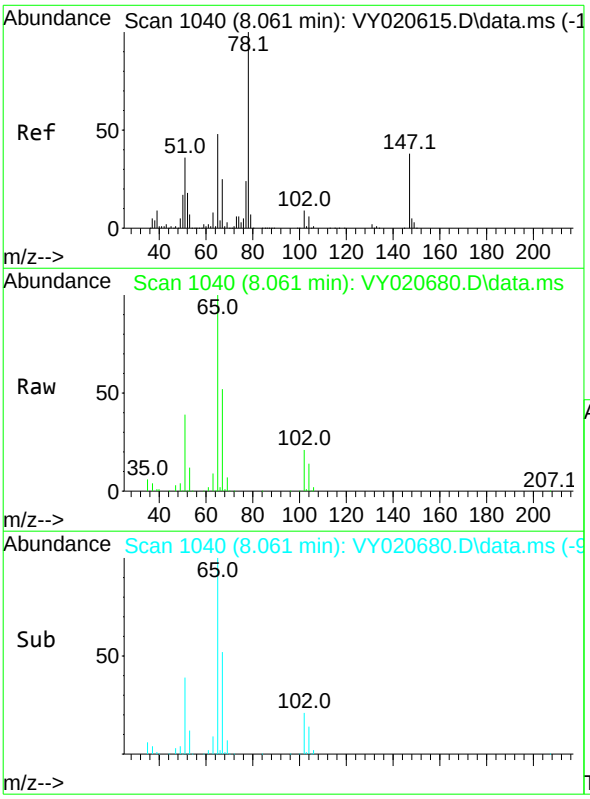
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Tgt Ion:168 Resp: 164343

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.6

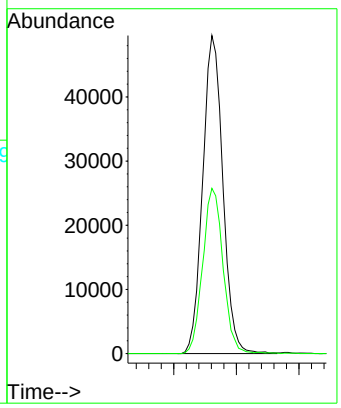


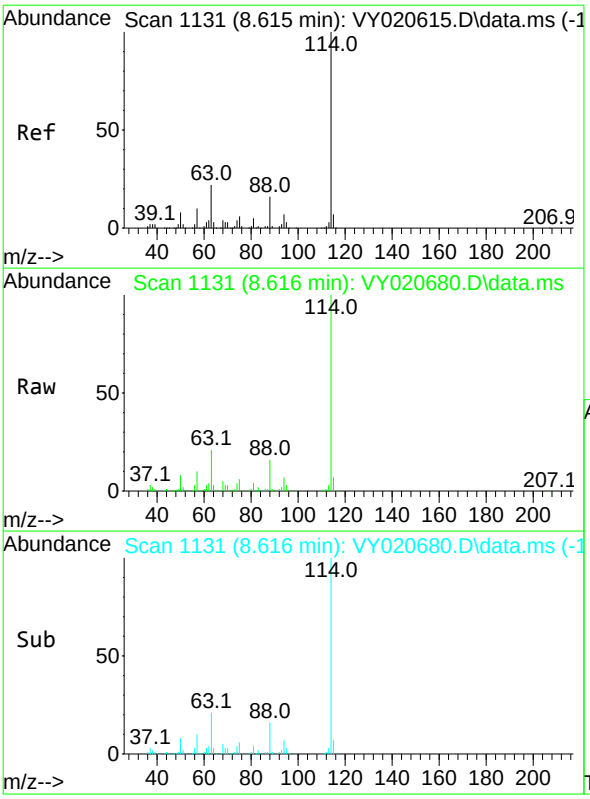


#33
1,2-Dichloroethane-d4
Concen: 61.558 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion: 65 Resp: 110799

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.0



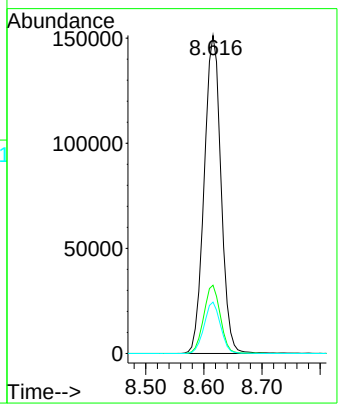


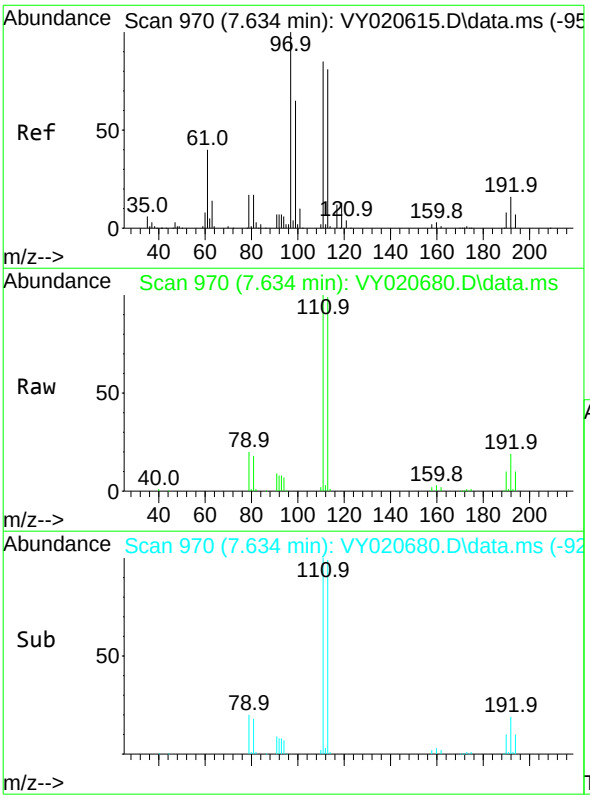
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Tgt Ion:114 Resp: 302908

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.1	0.0	32.8

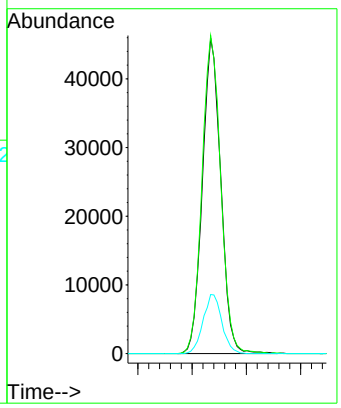


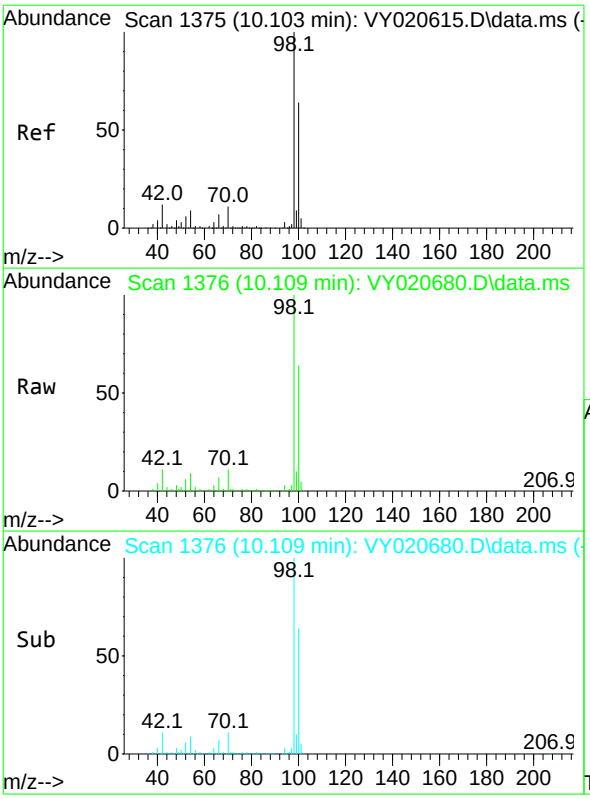


#35
Dibromofluoromethane
Concen: 50.610 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion:113 Resp: 108043

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.1	15.7	23.5



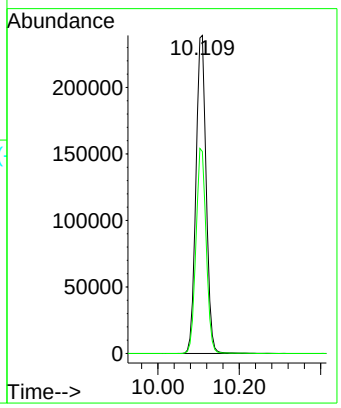


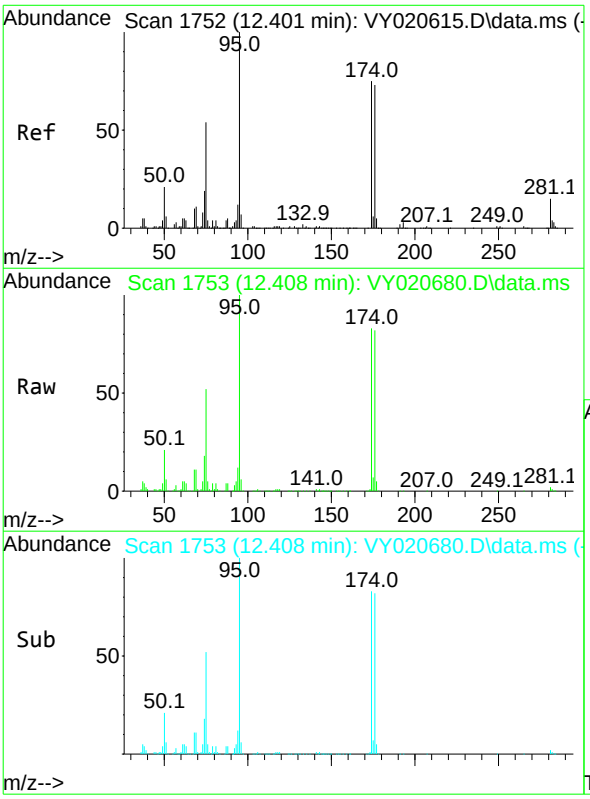
#50
Toluene-d8
Concen: 55.639 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Tgt Ion: 98 Resp: 415742

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

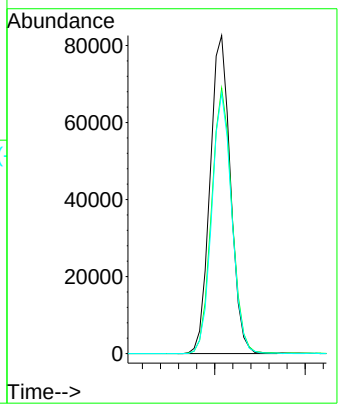


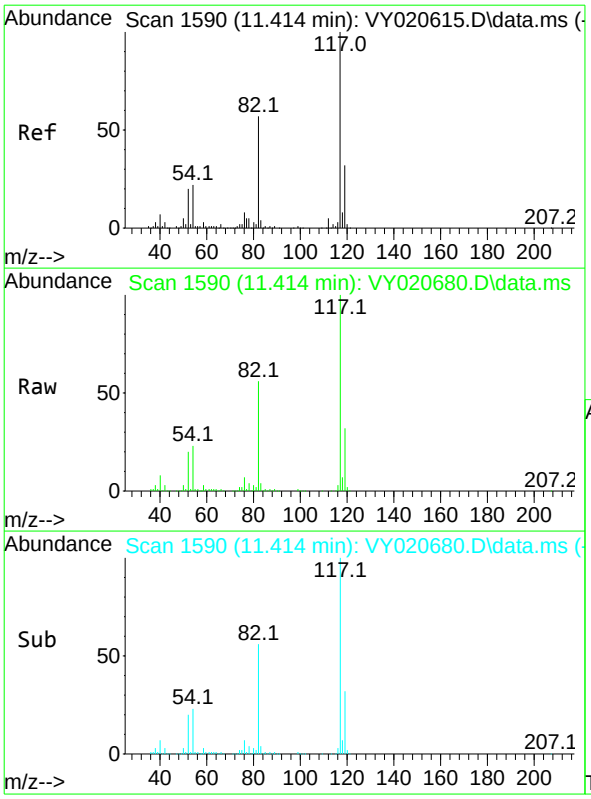


#62
4-Bromofluorobenzene
Concen: 44.278 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion: 95 Resp: 129420

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	161.8
176	80.2	0.0	156.6



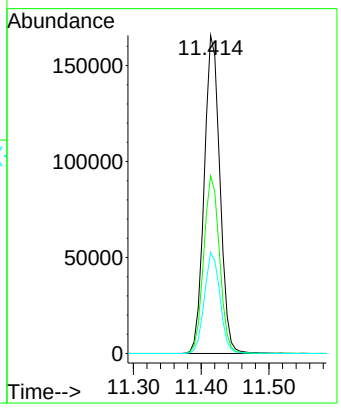


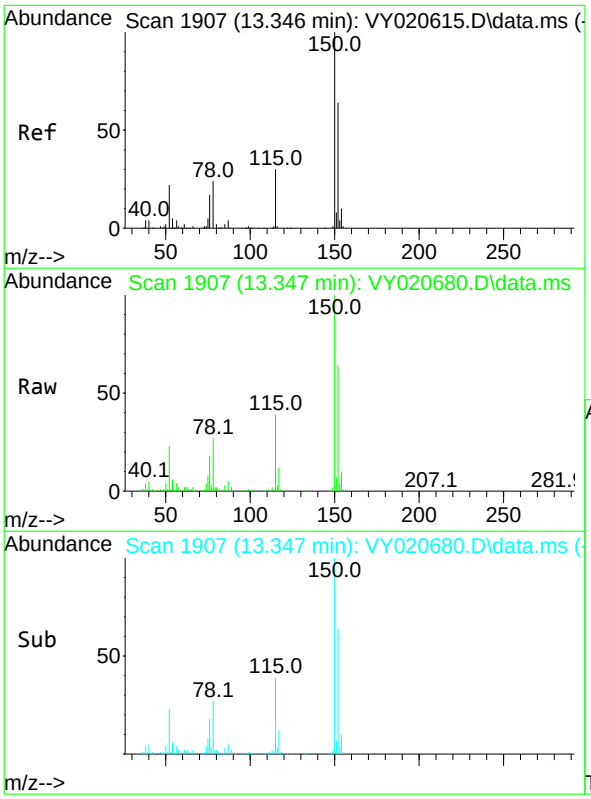
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-10-121224

Tgt Ion:117 Resp: 266394

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.8	68.6
119	31.7	25.3	37.9

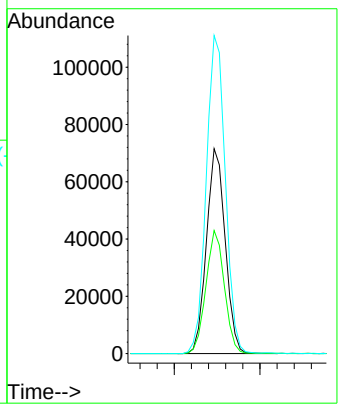




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020680.D
Acq: 20 Dec 2024 18:49

Tgt Ion:152 Resp: 108630

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	157.7	0.0	355.4



Raw Data: **VY020656.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	3.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020656.D	1		12/19/24 15:36	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0055	U	0.0022	0.0055	0.0068	mg/Kg
74-87-3	Chloromethane	0.0034	U	0.0016	0.0034	0.0068	mg/Kg
75-01-4	Vinyl Chloride	0.0034	U	0.0010	0.0034	0.0068	mg/Kg
74-83-9	Bromomethane	0.0055	U	0.0014	0.0055	0.0068	mg/Kg
75-00-3	Chloroethane	0.0034	U	0.0014	0.0034	0.0068	mg/Kg
109-99-9	Tetrahydrofuran	0.017	U	0.0071	0.017	0.034	mg/Kg
75-69-4	Trichlorofluoromethane	0.0055	U	0.0012	0.0055	0.0068	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0034	U	0.0015	0.0034	0.0068	mg/Kg
75-35-4	1,1-Dichloroethene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
107-13-1	Acrylonitrile	0.017	U	0.0068	0.017	0.034	mg/Kg
67-64-1	Acetone	0.027	U	0.0085	0.027	0.034	mg/Kg
75-15-0	Carbon Disulfide	0.0055	U	0.0017	0.0055	0.0068	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0034	U	0.00091	0.0034	0.0068	mg/Kg
75-09-2	Methylene Chloride	0.011	U	0.0046	0.011	0.014	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
75-34-3	1,1-Dichloroethane	0.0034	U	0.00086	0.0034	0.0068	mg/Kg
78-93-3	2-Butanone	0.027	U	0.0077	0.027	0.034	mg/Kg
56-23-5	Carbon Tetrachloride	0.0034	U	0.0012	0.0034	0.0068	mg/Kg
594-20-7	2,2-Dichloropropane	0.0055	U	0.0022	0.0055	0.0068	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0034	U	0.00083	0.0034	0.0068	mg/Kg
67-66-3	Chloroform	0.0055	U	0.00091	0.0055	0.0068	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
563-58-6	1,1-Dichloropropene	0.0034	U	0.00099	0.0034	0.0068	mg/Kg
71-43-2	Benzene	0.0034	U	0.00098	0.0034	0.0068	mg/Kg
107-06-2	1,2-Dichloroethane	0.0034	U	0.00083	0.0034	0.0068	mg/Kg
79-01-6	Trichloroethene	0.0034	U	0.0010	0.0034	0.0068	mg/Kg
78-87-5	1,2-Dichloropropane	0.0034	U	0.00090	0.0034	0.0068	mg/Kg
74-95-3	Dibromomethane	0.0034	U	0.00084	0.0034	0.0068	mg/Kg
75-27-4	Bromodichloromethane	0.0034	U	0.00076	0.0034	0.0068	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.017	U	0.0059	0.017	0.034	mg/Kg

Raw Data: **VY020656.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	3.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020656.D	1		12/19/24 15:36	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0034	U	0.00091	0.0034	0.0068	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0034	U	0.00082	0.0034	0.0068	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0034	U	0.00078	0.0034	0.0068	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
142-28-9	1,3-Dichloropropane	0.0034	U	0.00080	0.0034	0.0068	mg/Kg
591-78-6	2-Hexanone	0.017	U	0.0065	0.017	0.034	mg/Kg
124-48-1	Dibromochloromethane	0.0034	U	0.00089	0.0034	0.0068	mg/Kg
106-93-4	1,2-Dibromoethane	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
127-18-4	Tetrachloroethene	0.0034	U	0.0012	0.0034	0.0068	mg/Kg
108-90-7	Chlorobenzene	0.0034	U	0.0010	0.0034	0.0068	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0034	U	0.00087	0.0034	0.0068	mg/Kg
100-41-4	Ethyl Benzene	0.0034	U	0.00084	0.0034	0.0068	mg/Kg
1330-20-7	Total Xylenes	0.010	U	0.0028	0.010	0.020	mg/Kg
179601-23-1	m/p-Xylenes	0.0068	U	0.0018	0.0068	0.014	mg/Kg
95-47-6	o-Xylene	0.0034	U	0.00095	0.0034	0.0068	mg/Kg
100-42-5	Styrene	0.0034	U	0.00082	0.0034	0.0068	mg/Kg
75-25-2	Bromoform	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
98-82-8	Isopropylbenzene	0.0034	U	0.00091	0.0034	0.0068	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0034	U	0.0015	0.0034	0.0068	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0055	U	0.0016	0.0055	0.0068	mg/Kg
108-86-1	Bromobenzene	0.0034	U	0.00089	0.0034	0.0068	mg/Kg
103-65-1	n-propylbenzene	0.0034	U	0.00087	0.0034	0.0068	mg/Kg
95-49-8	2-Chlorotoluene	0.0034	U	0.00084	0.0034	0.0068	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0034	U	0.00087	0.0034	0.0068	mg/Kg
106-43-4	4-Chlorotoluene	0.0034	U	0.00080	0.0034	0.0068	mg/Kg
98-06-6	tert-Butylbenzene	0.0034	U	0.00091	0.0034	0.0068	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0034	U	0.0019	0.0034	0.0068	mg/Kg
135-98-8	sec-Butylbenzene	0.0034	U	0.00091	0.0034	0.0068	mg/Kg
99-87-6	p-Isopropyltoluene	0.0034	U	0.00079	0.0034	0.0068	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0034	U	0.0010	0.0034	0.0068	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg

Raw Data: **VY020656.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	3.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020656.D	1		12/19/24 15:36	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0034	U	0.00086	0.0034	0.0068	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0034	U	0.00080	0.0034	0.0068	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0055	U	0.0021	0.0055	0.0068	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
87-68-3	Hexachlorobutadiene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0034	U	0.0011	0.0034	0.0068	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.0		71 - 136		124%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	58.7	*	85 - 116		117%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	7.707				
540-36-3	1,4-Difluorobenzene	323000	8.616				
3114-55-4	Chlorobenzene-d5	277000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020656.D
Acq On : 19 Dec 2024 15:36
Operator : SY/MD
Sample : P5306-09
Misc : 3.92g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Quant Time: Dec 20 00:55:43 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

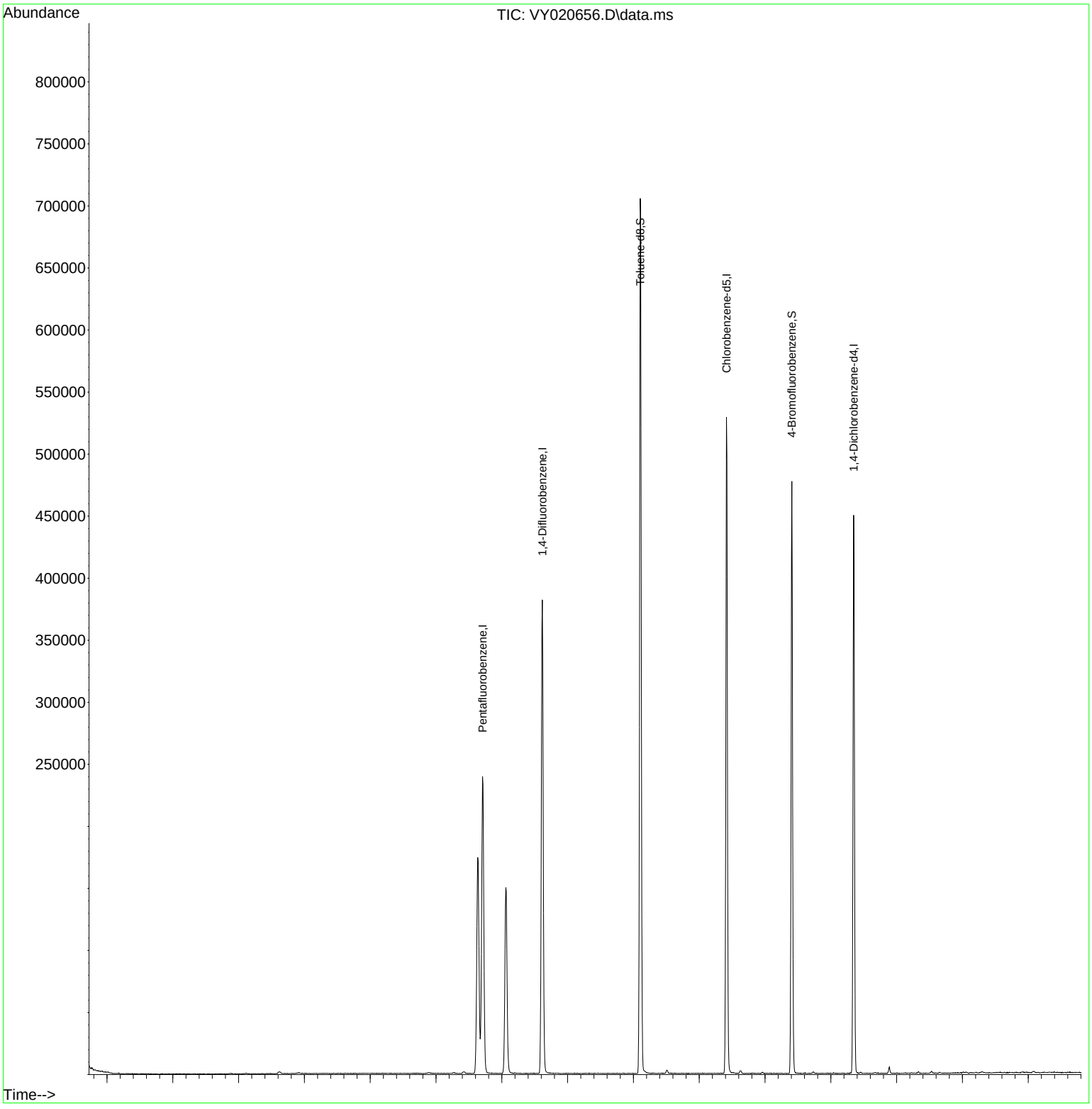
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	322870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124576	61.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.960%			
35) Dibromofluoromethane	7.634	113	125708	55.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.480%			
50) Toluene-d8	10.103	98	467544	58.703	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.400%			
62) 4-Bromofluorobenzene	12.408	95	145902	46.831	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.660%			
Target Compounds						Qvalue

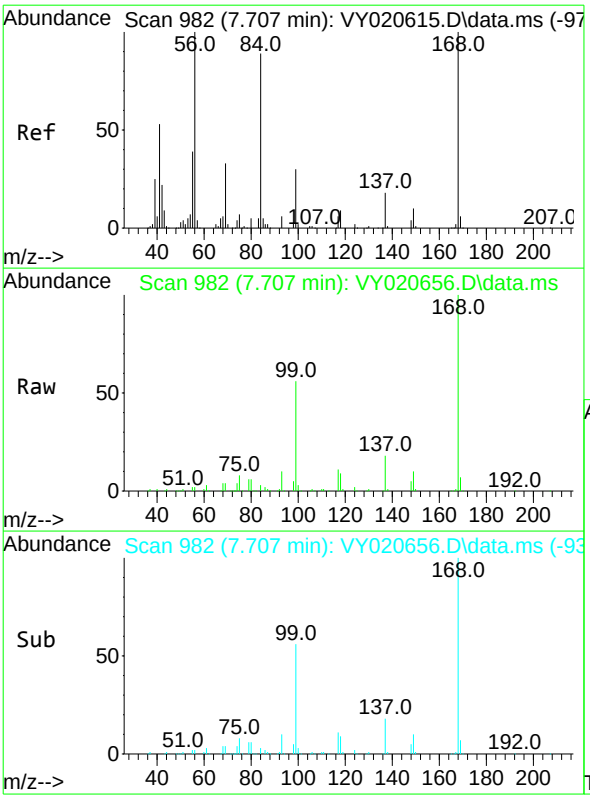
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020656.D
Acq On : 19 Dec 2024 15:36
Operator : SY/MD
Sample : P5306-09
Misc : 3.92g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Quant Time: Dec 20 00:55:43 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



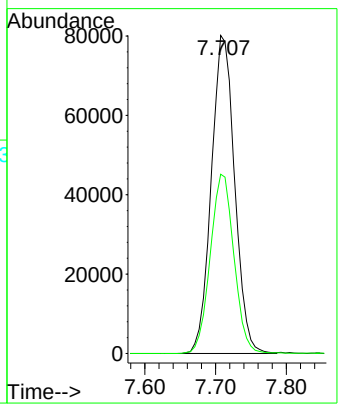


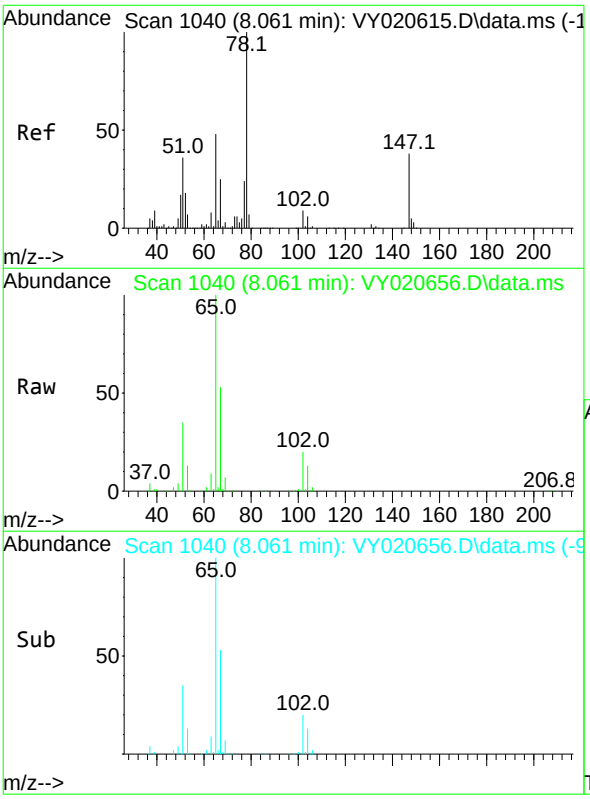
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Tgt Ion:168 Resp: 183535

Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6

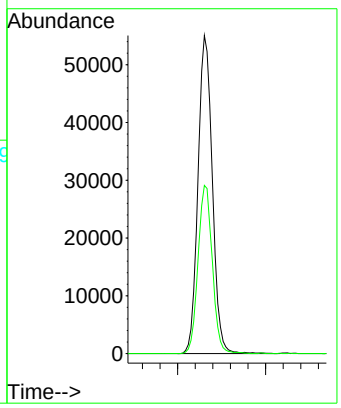


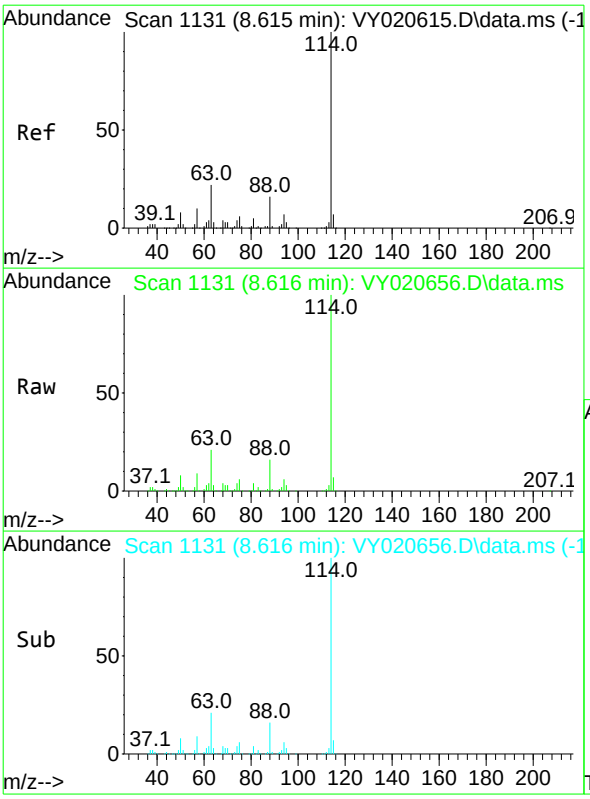


#33
1,2-Dichloroethane-d4
Concen: 61.975 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion: 65 Resp: 124576

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0



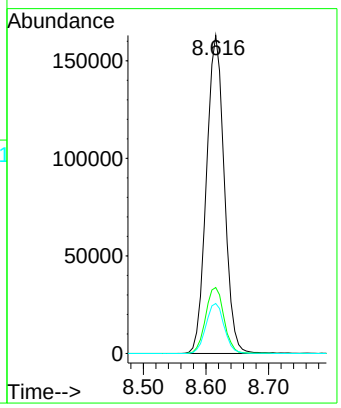


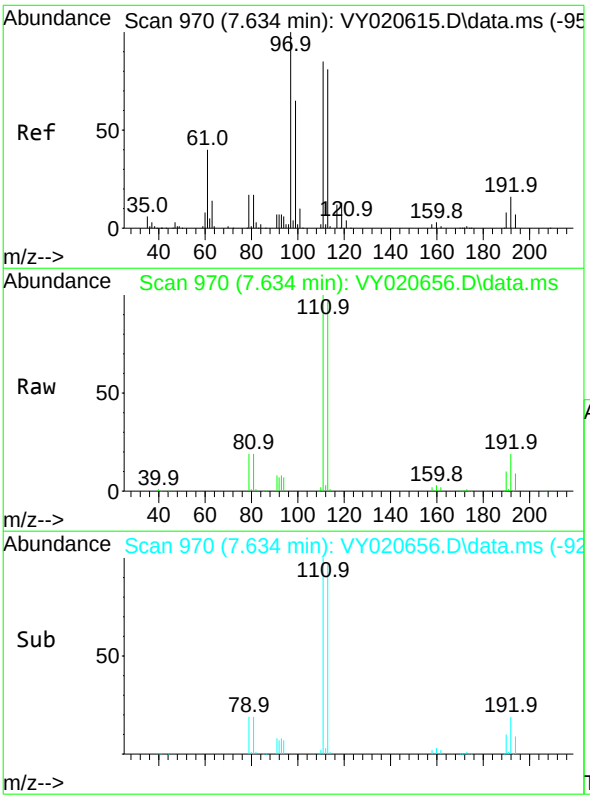
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Tgt Ion:114 Resp: 322870

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

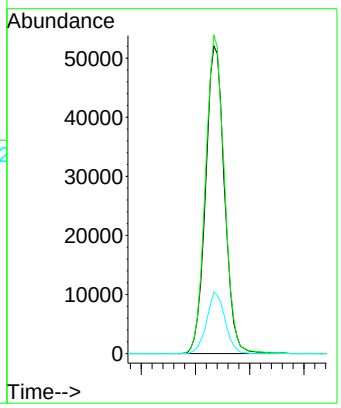


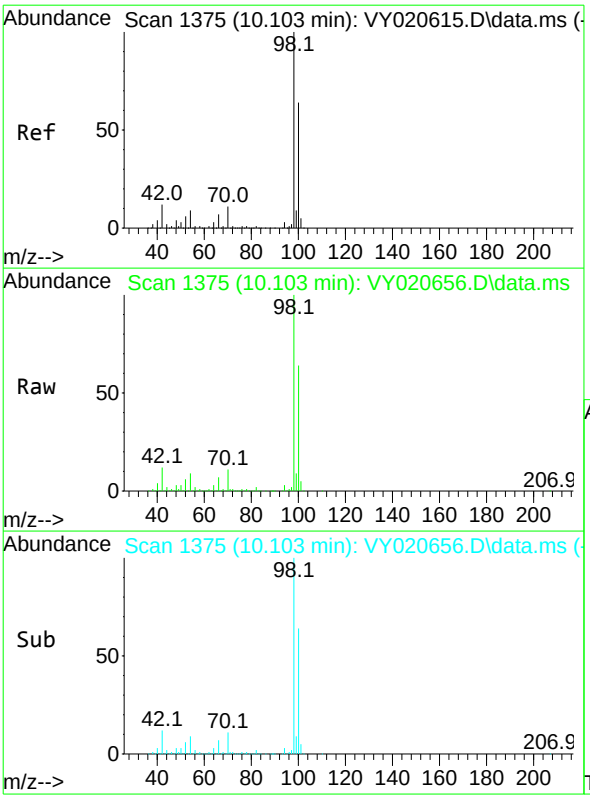


#35
Dibromofluoromethane
Concen: 55.244 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion:113 Resp: 125708

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	19.5	15.7	23.5



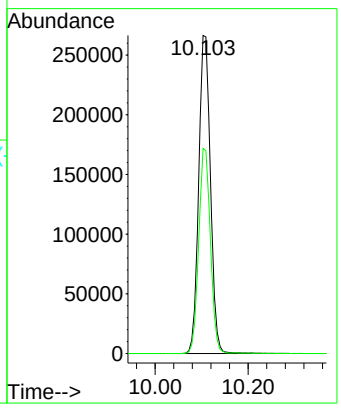


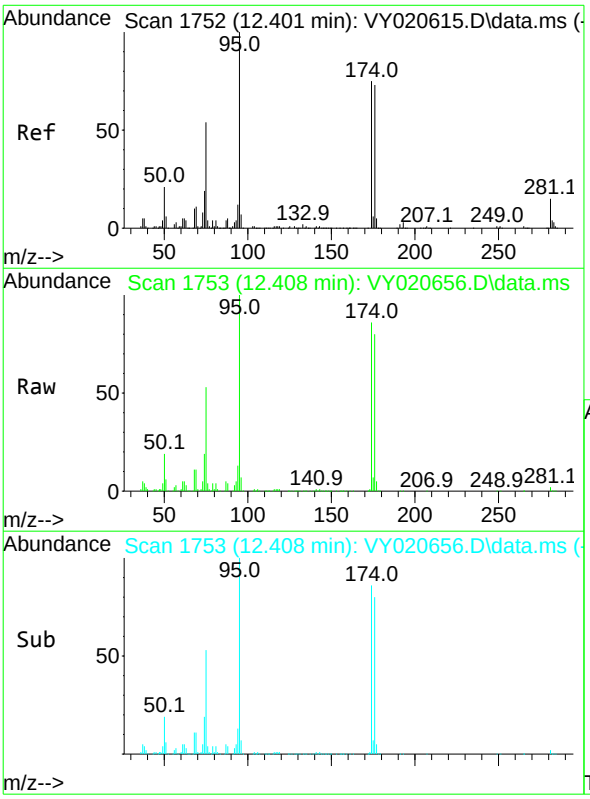
#50
Toluene-d8
Concen: 58.703 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Tgt Ion: 98 Resp: 467544

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

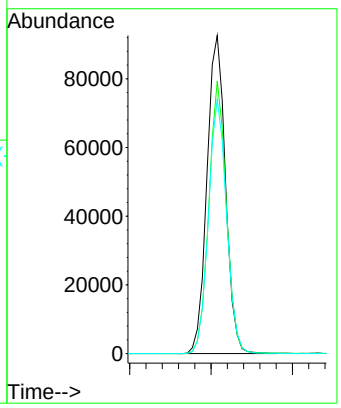


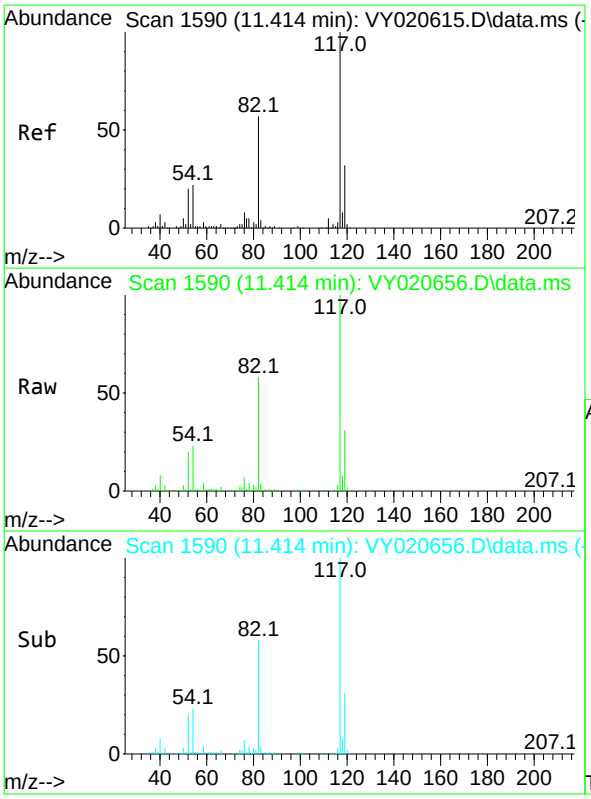


#62
4-Bromofluorobenzene
Concen: 46.831 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion: 95 Resp: 145902

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	161.8
176	78.2	0.0	156.6



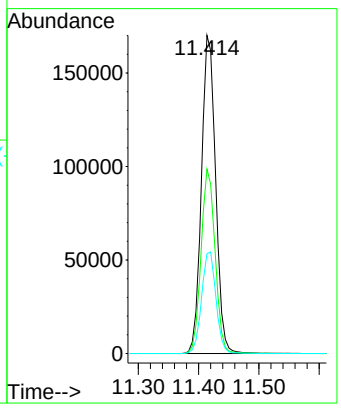


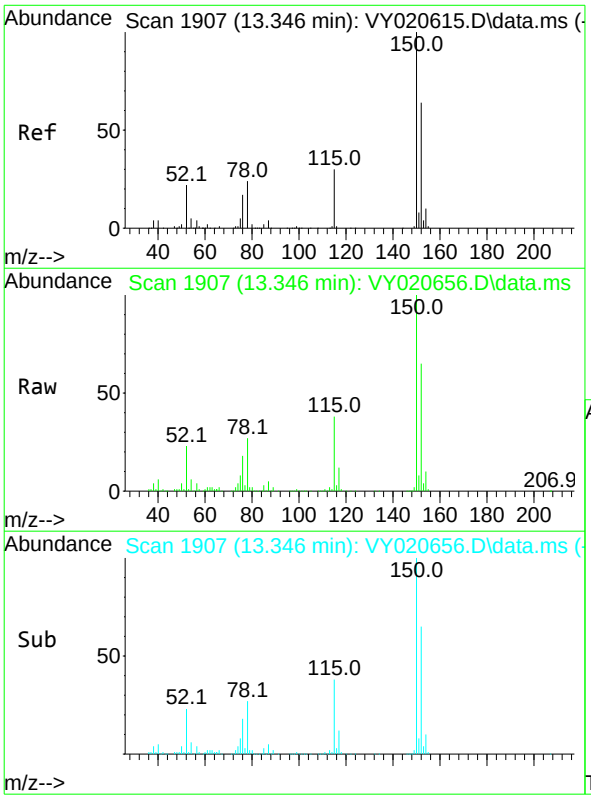
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

Tgt Ion:117 Resp: 277473

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.6
119	31.4	25.3	37.9

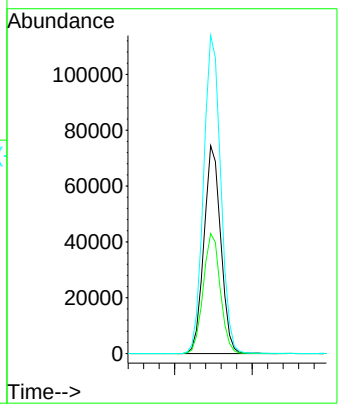




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion:152 Resp: 112091

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.2	90.6
150	156.3	0.0	355.4



Raw Data: **VY020681.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020681.D	1		12/20/24 19:13	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0041	U	0.0017	0.0041	0.0051	mg/Kg
74-87-3	Chloromethane	0.0026	U	0.0012	0.0026	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.0026	U	0.00079	0.0026	0.0051	mg/Kg
74-83-9	Bromomethane	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
75-00-3	Chloroethane	0.0026	U	0.0010	0.0026	0.0051	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0054	0.013	0.026	mg/Kg
75-69-4	Trichlorofluoromethane	0.0041	U	0.00093	0.0041	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0026	U	0.0011	0.0026	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.0026	U	0.00080	0.0026	0.0051	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0051	0.013	0.026	mg/Kg
67-64-1	Acetone	0.020	U	0.0064	0.020	0.026	mg/Kg
75-15-0	Carbon Disulfide	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0026	U	0.00068	0.0026	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.0082	U	0.0035	0.0082	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0026	U	0.00086	0.0026	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.0026	U	0.00064	0.0026	0.0051	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0058	0.020	0.026	mg/Kg
56-23-5	Carbon Tetrachloride	0.0026	U	0.00089	0.0026	0.0051	mg/Kg
594-20-7	2,2-Dichloropropane	0.0041	U	0.0016	0.0041	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0026	U	0.00062	0.0026	0.0051	mg/Kg
67-66-3	Chloroform	0.0041	U	0.00068	0.0041	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0026	U	0.00080	0.0026	0.0051	mg/Kg
563-58-6	1,1-Dichloropropene	0.0026	U	0.00075	0.0026	0.0051	mg/Kg
71-43-2	Benzene	0.0026	U	0.00074	0.0026	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.0026	U	0.00062	0.0026	0.0051	mg/Kg
79-01-6	Trichloroethene	0.0026	U	0.00077	0.0026	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.0026	U	0.00067	0.0026	0.0051	mg/Kg
74-95-3	Dibromomethane	0.0026	U	0.00063	0.0026	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.0026	U	0.00057	0.0026	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0044	0.013	0.026	mg/Kg

Raw Data: **VY020681.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020681.D	1		12/20/24 19:13	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0026	U	0.00068	0.0026	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0026	UQ	0.00061	0.0026	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0026	U	0.00058	0.0026	0.0051	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0026	U	0.00086	0.0026	0.0051	mg/Kg
142-28-9	1,3-Dichloropropane	0.0026	UQ	0.00060	0.0026	0.0051	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0049	0.013	0.026	mg/Kg
124-48-1	Dibromochloromethane	0.0026	U	0.00066	0.0026	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.0026	U	0.00081	0.0026	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.0026	U	0.00091	0.0026	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.0026	U	0.00076	0.0026	0.0051	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0026	U	0.00065	0.0026	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.0026	U	0.00063	0.0026	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0051	U	0.0014	0.0051	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0077	U	0.0021	0.0077	0.015	mg/Kg
95-47-6	o-Xylene	0.0026	U	0.00071	0.0026	0.0051	mg/Kg
100-42-5	Styrene	0.0026	U	0.00061	0.0026	0.0051	mg/Kg
75-25-2	Bromoform	0.0026	U	0.00083	0.0026	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.0026	U	0.00068	0.0026	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	0.0011	0.0026	0.0051	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
108-86-1	Bromobenzene	0.0026	U	0.00066	0.0026	0.0051	mg/Kg
103-65-1	n-propylbenzene	0.0026	U	0.00065	0.0026	0.0051	mg/Kg
95-49-8	2-Chlorotoluene	0.0026	U	0.00063	0.0026	0.0051	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0026	U	0.00065	0.0026	0.0051	mg/Kg
106-43-4	4-Chlorotoluene	0.0026	U	0.00060	0.0026	0.0051	mg/Kg
98-06-6	tert-Butylbenzene	0.0026	U	0.00068	0.0026	0.0051	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0026	U	0.0014	0.0026	0.0051	mg/Kg
135-98-8	sec-Butylbenzene	0.0026	U	0.00068	0.0026	0.0051	mg/Kg
99-87-6	p-Isopropyltoluene	0.0026	U	0.00059	0.0026	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0026	U	0.00076	0.0026	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0026	U	0.00082	0.0026	0.0051	mg/Kg

Raw Data: **VY020681.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	5.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020681.D	1		12/20/24 19:13	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0026	U	0.00064	0.0026	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0026	U	0.00060	0.0026	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0041	UQ	0.0016	0.0041	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	0.00081	0.0026	0.0051	mg/Kg
87-68-3	Hexachlorobutadiene	0.0026	U	0.00083	0.0026	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0026	U	0.00080	0.0026	0.0051	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0026	U	0.00082	0.0026	0.0051	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.5		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.9	*	79 - 119		64%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	29000	7.707				
540-36-3	1,4-Difluorobenzene	44300	8.615				
3114-55-4	Chlorobenzene-d5	33600	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	10200	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020681.D
Acq On : 20 Dec 2024 19:13
Operator : SY/MD
Sample : P5306-09RE
Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Quant Time: Dec 20 22:04:08 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

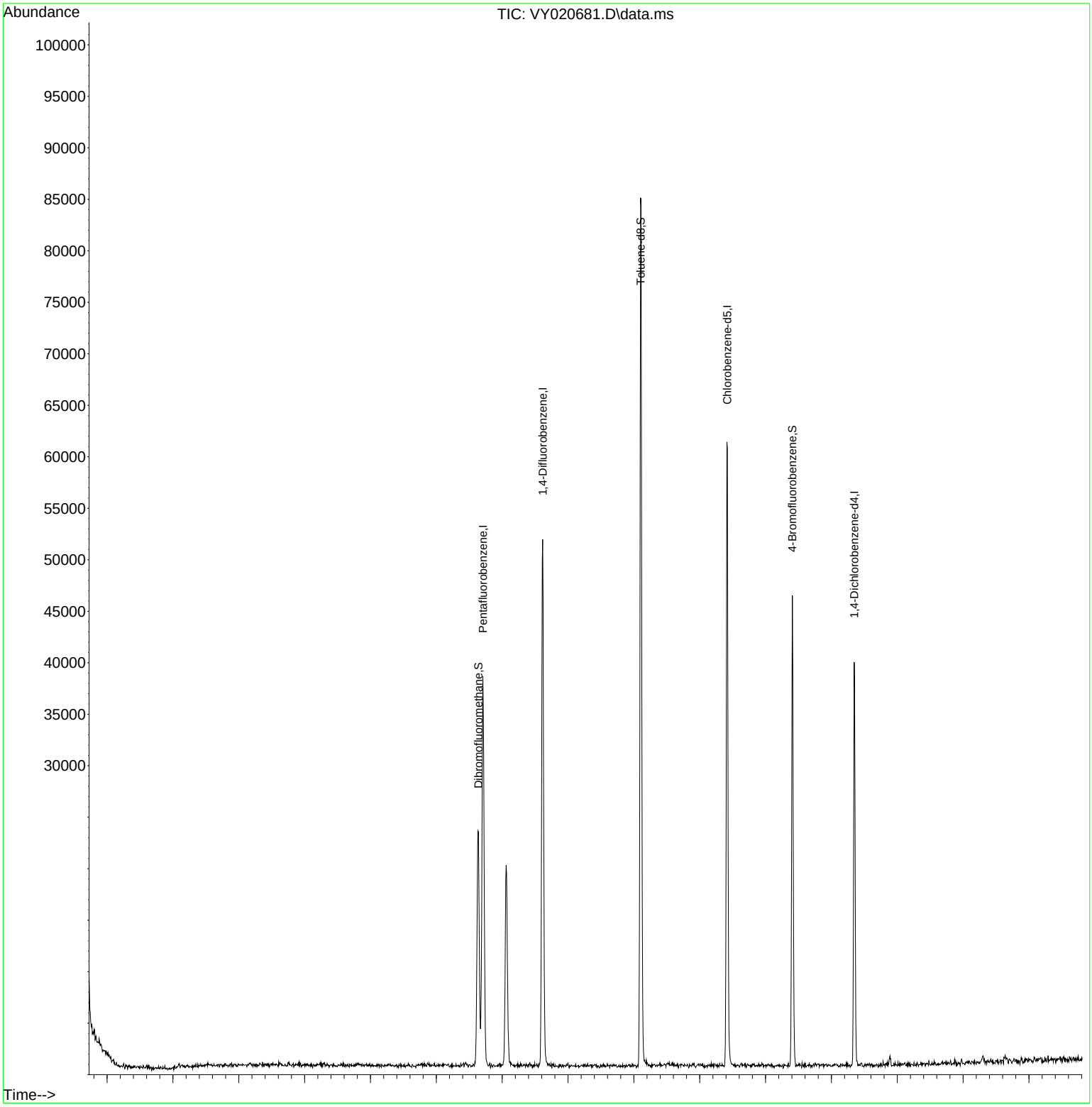
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	29041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	44319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	33564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16679	52.440	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.880%			
35) Dibromofluoromethane	7.640	113	17054	54.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.200%			
50) Toluene-d8	10.103	98	57386	52.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.407	95	13663	31.949	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 63.900%			
Target Compounds						Qvalue

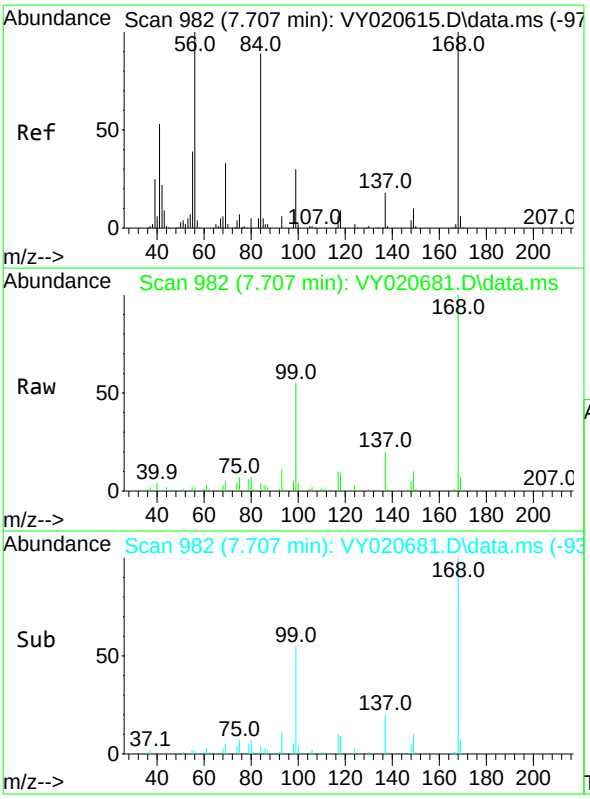
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020681.D
Acq On : 20 Dec 2024 19:13
Operator : SY/MD
Sample : P5306-09RE
Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Quant Time: Dec 20 22:04:08 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



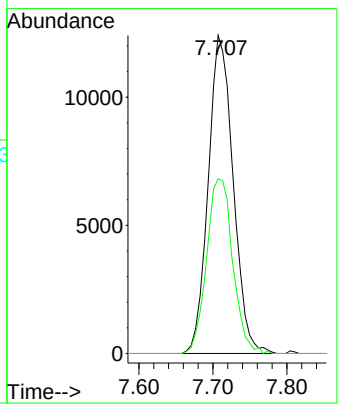


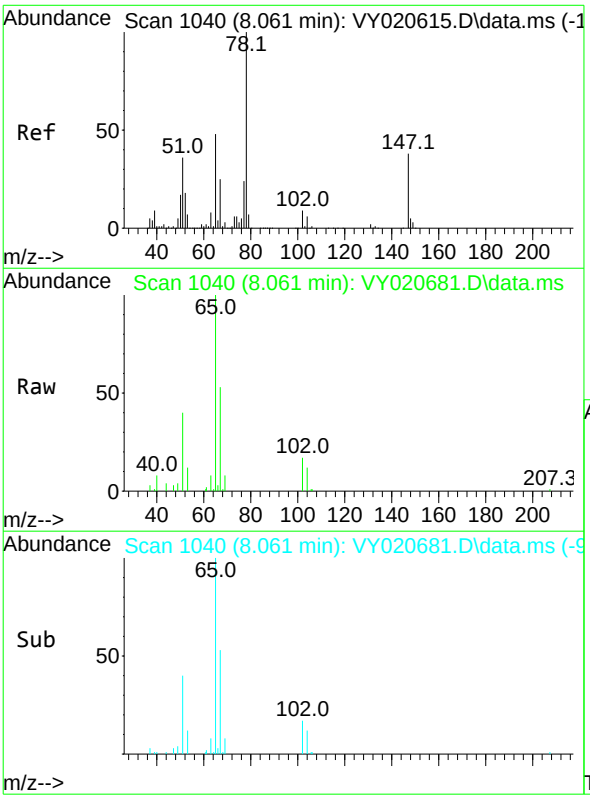
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Tgt Ion:168 Resp: 29041

Ion	Ratio	Lower	Upper
168	100		
99	54.9	47.0	70.6

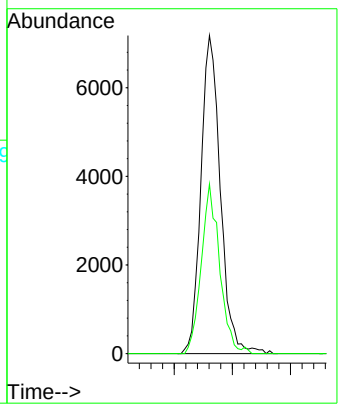


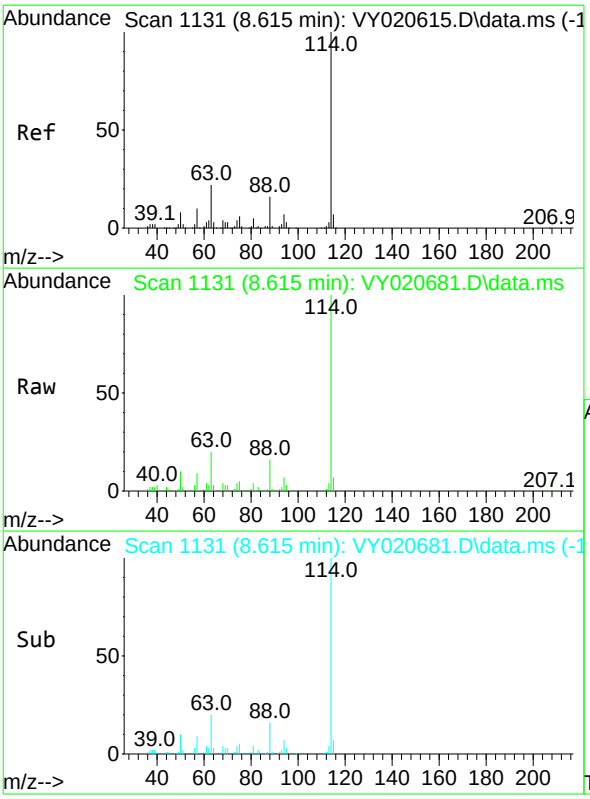


#33
1,2-Dichloroethane-d4
Concen: 52.440 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Tgt Ion: 65 Resp: 16679

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	108.0



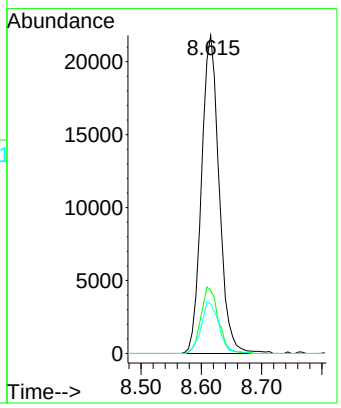


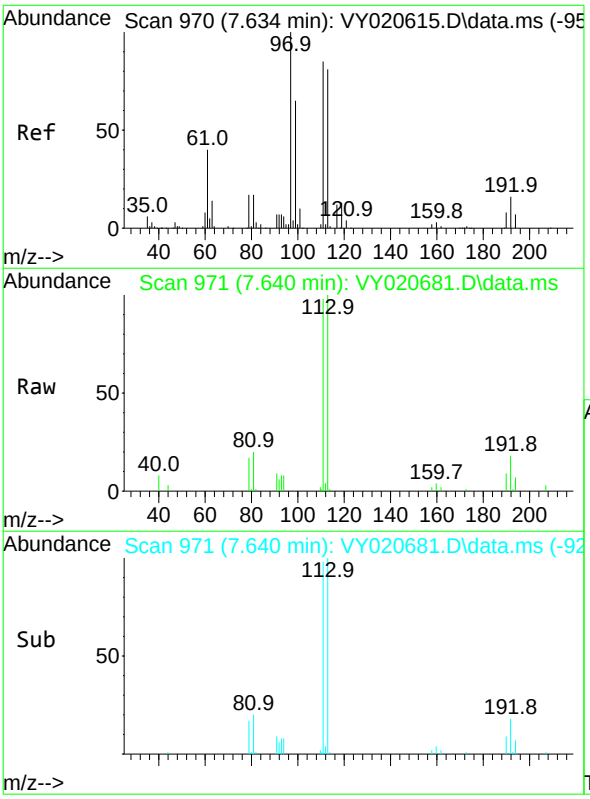
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Tgt Ion:114 Resp: 44319

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	44.0
88	15.7	0.0	32.8

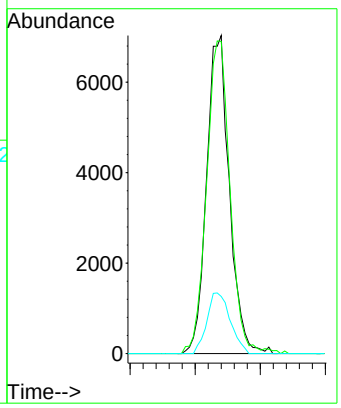


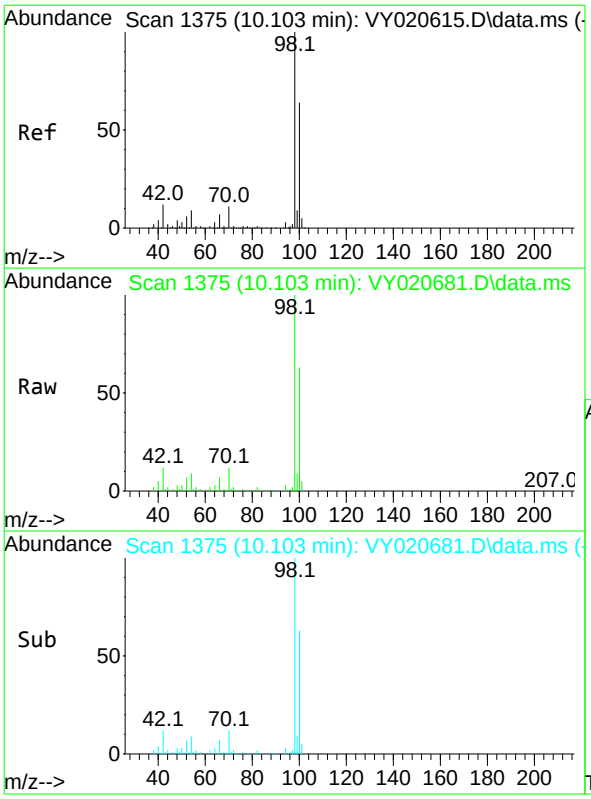


#35
Dibromofluoromethane
Concen: 54.599 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Tgt Ion:113 Resp: 17054

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	19.5	15.7	23.5



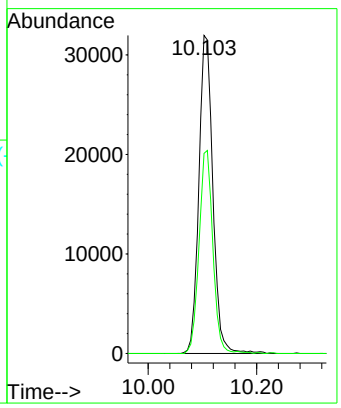


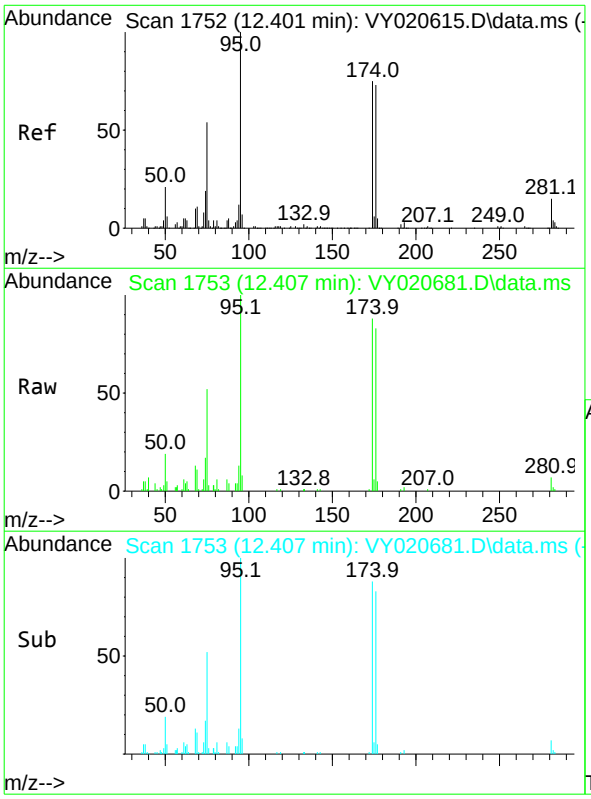
#50
Toluene-d8
Concen: 52.490 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Tgt Ion: 98 Resp: 57386

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.1	78.1

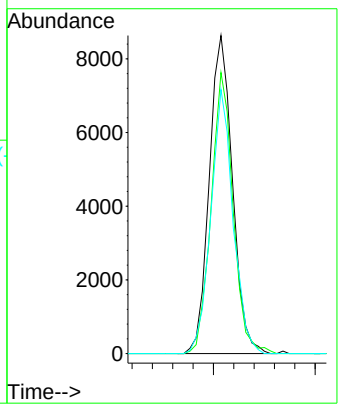


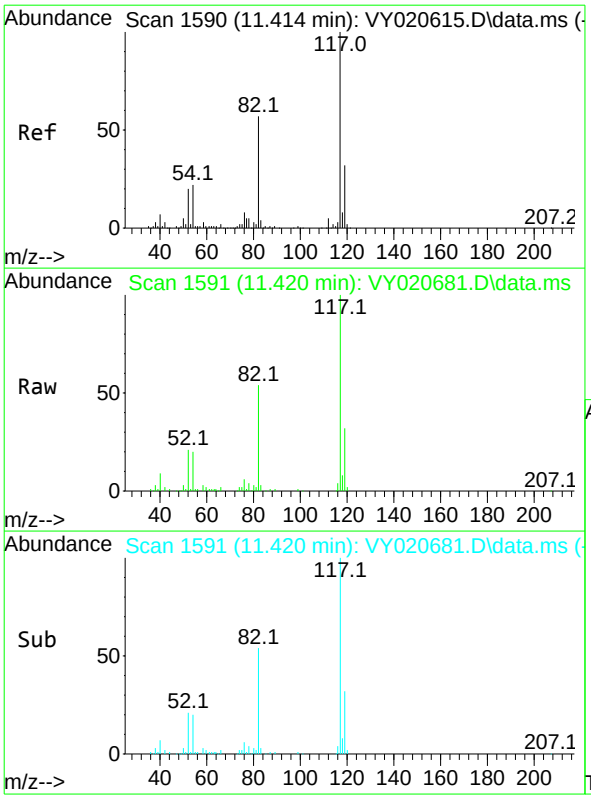


#62
4-Bromofluorobenzene
Concen: 31.949 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Tgt Ion: 95 Resp: 13663

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



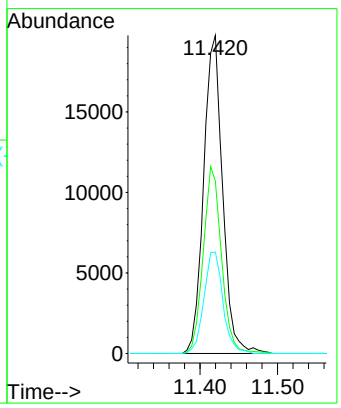


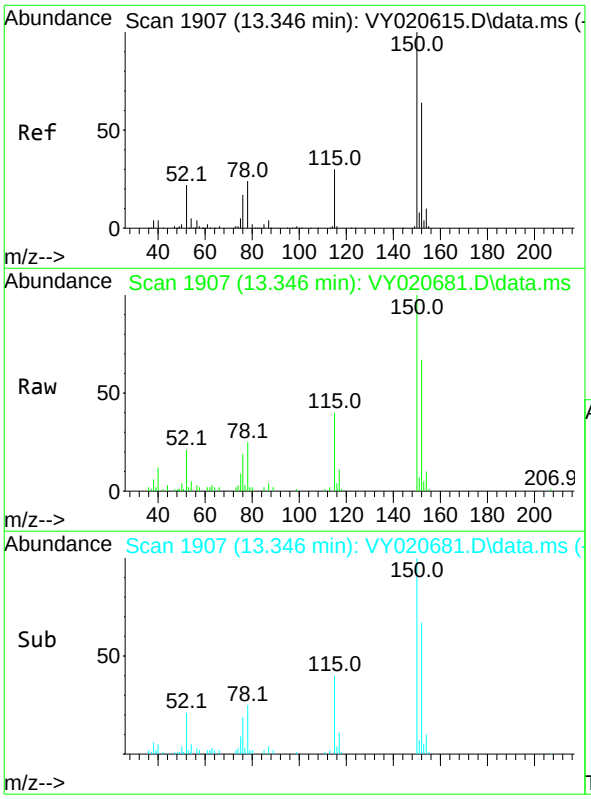
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224RE

Tgt Ion:117 Resp: 33564

Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.8	68.6
119	31.9	25.3	37.9

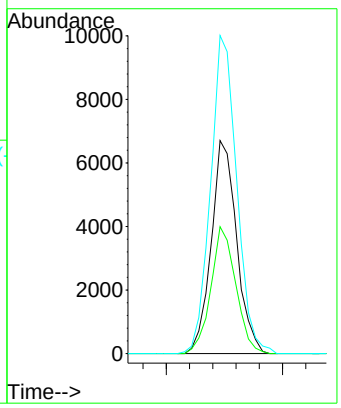




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020681.D
Acq: 20 Dec 2024 19:13

Tgt Ion:152 Resp: 10185

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.2	90.6
150	153.7	0.0	355.4



Raw Data: **VY020700.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020700.D	1		12/23/24 18:38	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00095	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.00093	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0048	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00084	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00099	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.019	U	0.0058	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0074	U	0.0032	0.0074	0.0093	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0053	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00062	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0040	0.012	0.023	mg/Kg

Raw Data: **VY020700.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020700.D	1		12/23/24 18:38	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0044	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00082	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0012	0.0046	0.0093	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0019	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00065	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg

Raw Data: **VY020700.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020700.D	1		12/23/24 18:38	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0014	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.1		71 - 136		132%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	58.1		85 - 116		116%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94700	7.719				
540-36-3	1,4-Difluorobenzene	150000	8.622				
3114-55-4	Chlorobenzene-d5	129000	11.426				
3855-82-1	1,4-Dichlorobenzene-d4	55300	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\VY122324\
Data File : VY020700.D
Acq On : 23 Dec 2024 18:38
Operator : SY/MD
Sample : P5306-11
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Quant Time: Dec 25 01:02:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

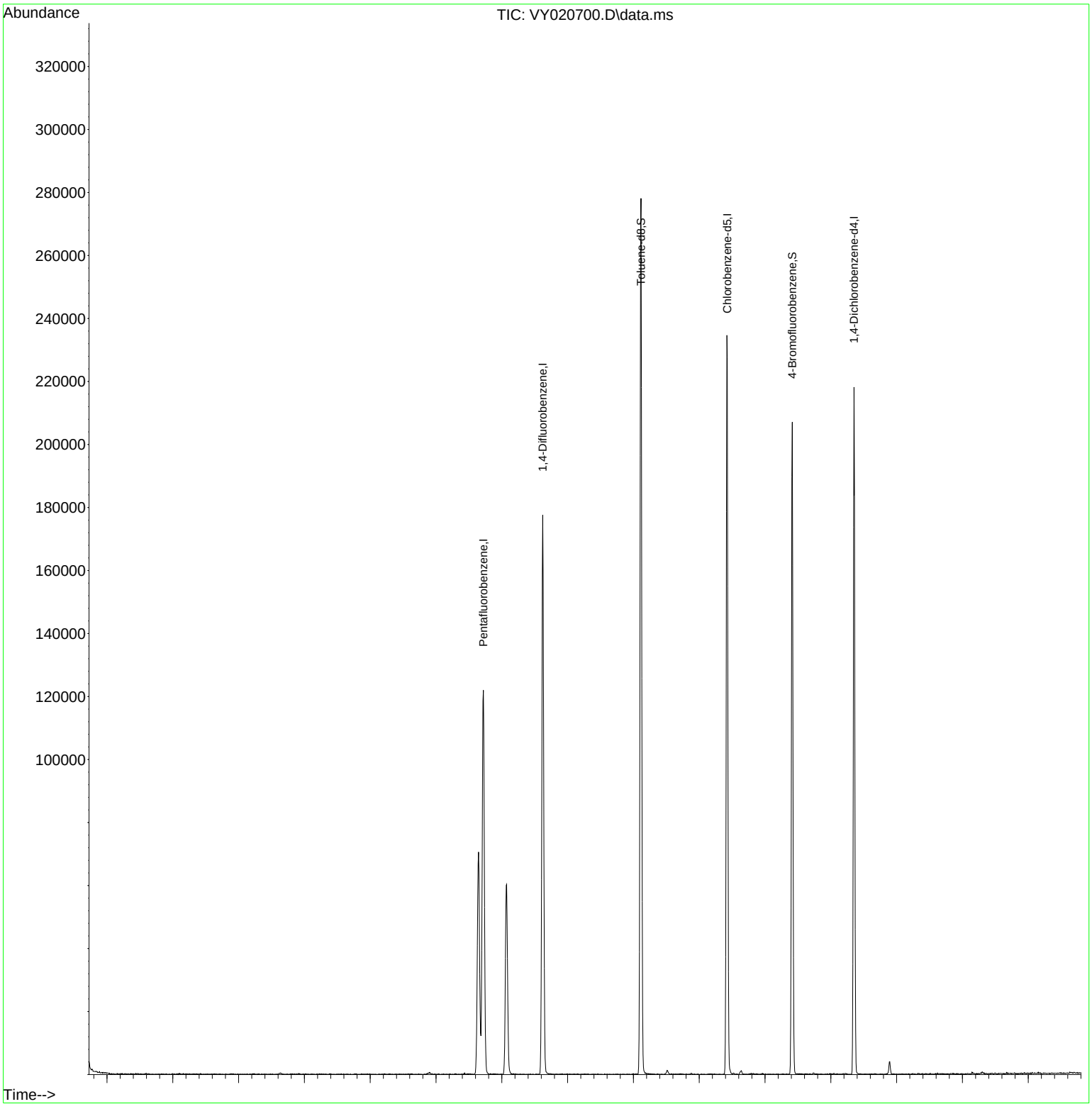
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	94664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	149835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	128778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	55306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	55443	66.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.260%			
35) Dibromofluoromethane	7.646	113	48256	54.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.700%			
50) Toluene-d8	10.115	98	185787	58.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.280%			
62) 4-Bromofluorobenzene	12.414	95	58708	50.477	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.960%			
Target Compounds						Qvalue

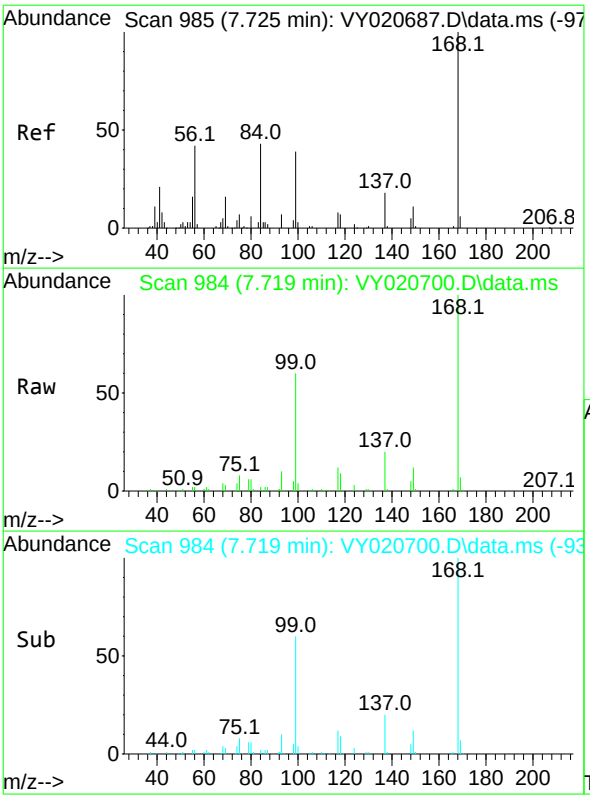
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020700.D
Acq On : 23 Dec 2024 18:38
Operator : SY/MD
Sample : P5306-11
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Quant Time: Dec 25 01:02:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration



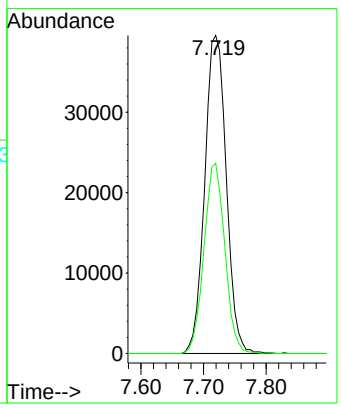


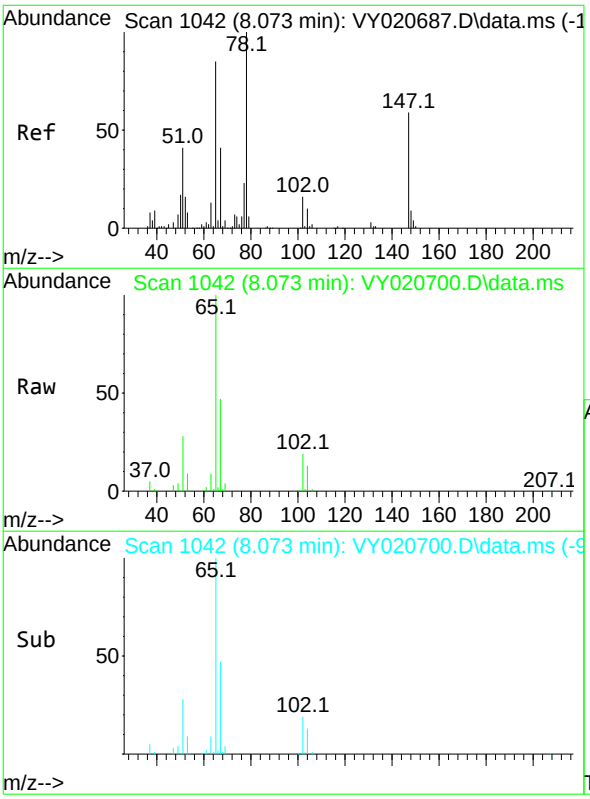
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Tgt Ion:168 Resp: 94664

Ion	Ratio	Lower	Upper
168	100		
99	59.8	43.8	65.6

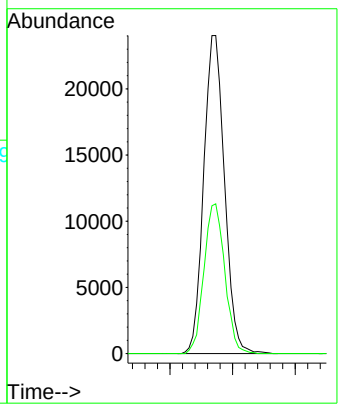


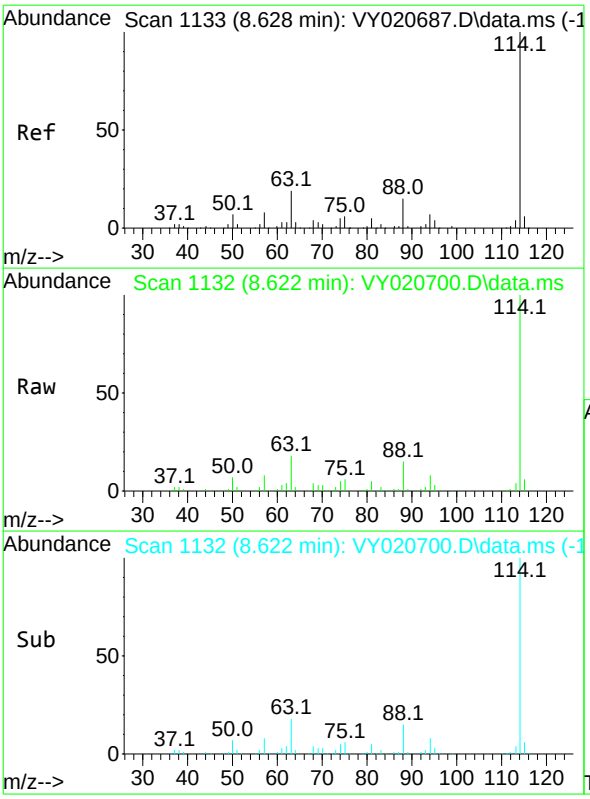


#33
1,2-Dichloroethane-d4
Concen: 66.131 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Tgt Ion: 65 Resp: 55443

Ion	Ratio	Lower	Upper
65	100		
67	47.2	0.0	98.0



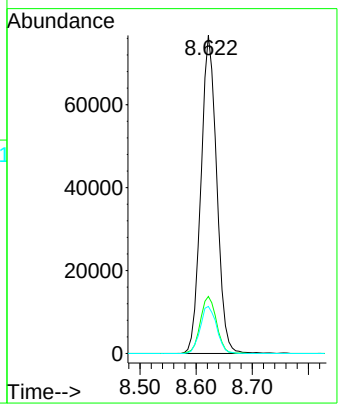


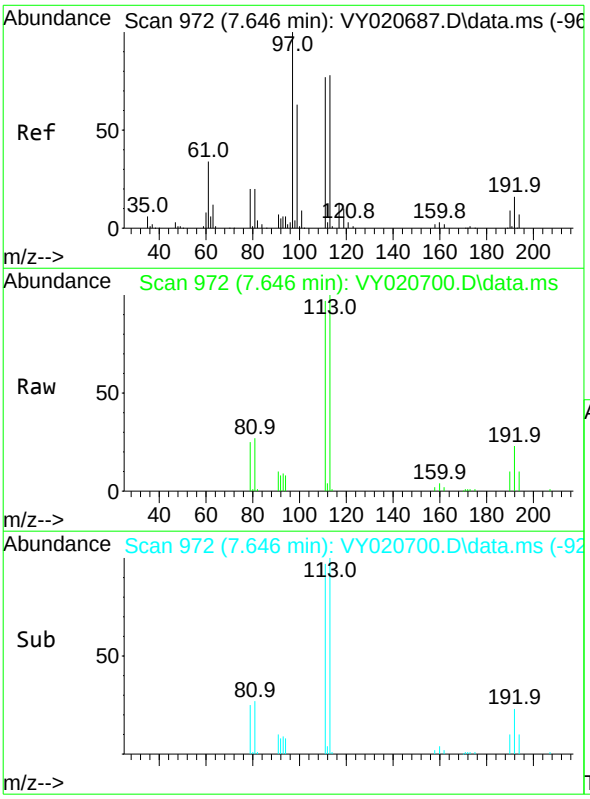
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Tgt Ion:114 Resp: 149835

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	14.8	0.0	30.4

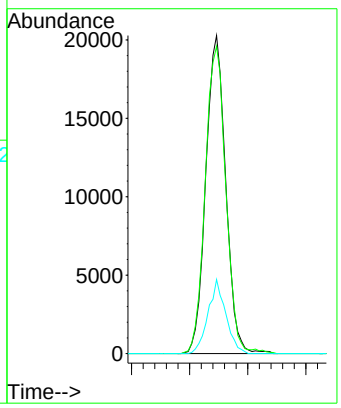


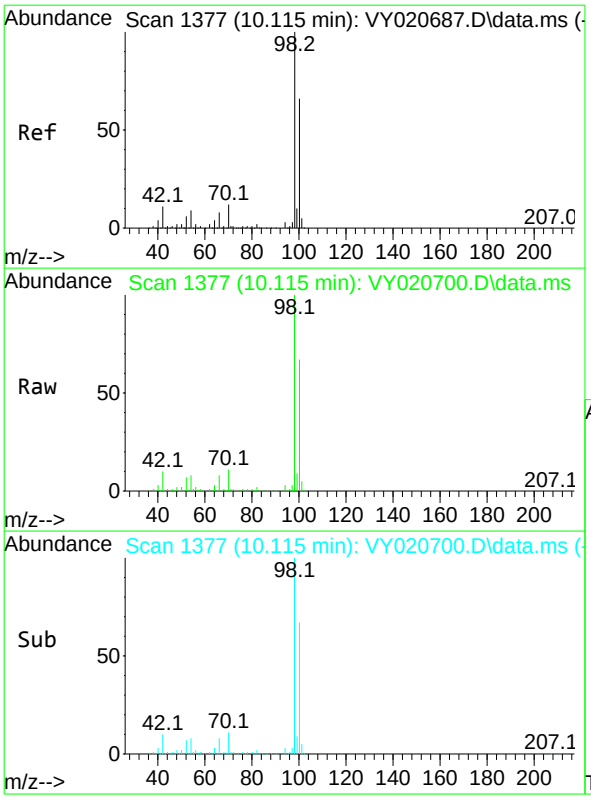


#35
Dibromofluoromethane
Concen: 54.849 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Tgt Ion:113 Resp: 48256

Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.8	119.8
192	20.7	17.0	25.6



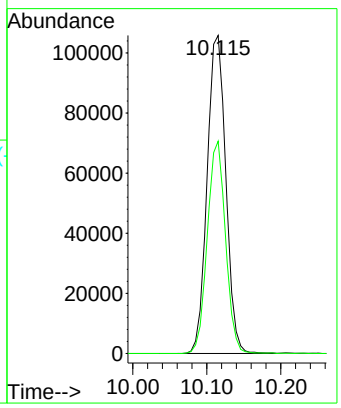


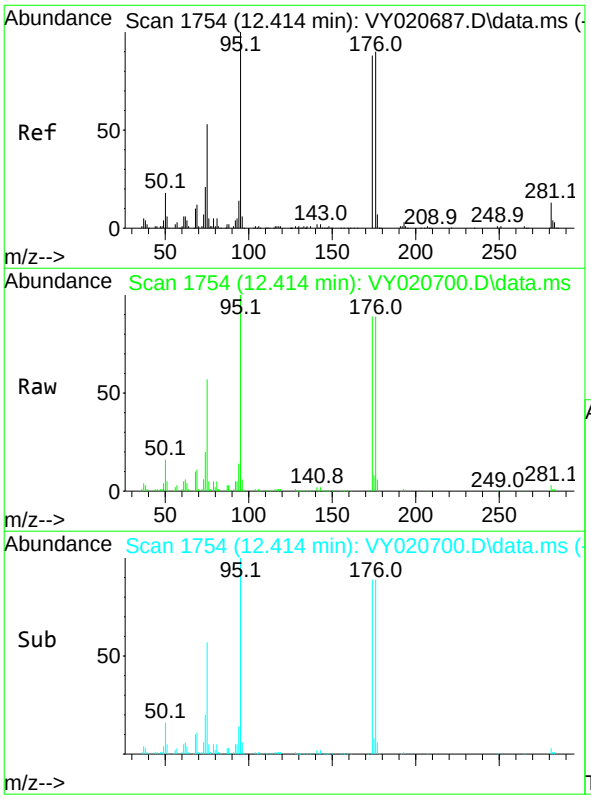
#50
Toluene-d8
Concen: 58.140 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Tgt Ion: 98 Resp: 185787

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4

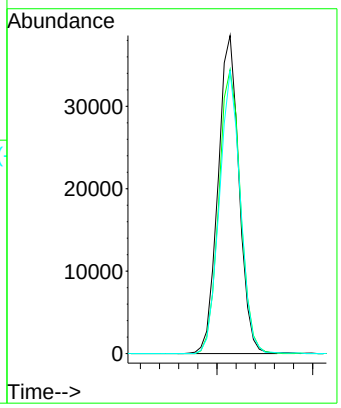


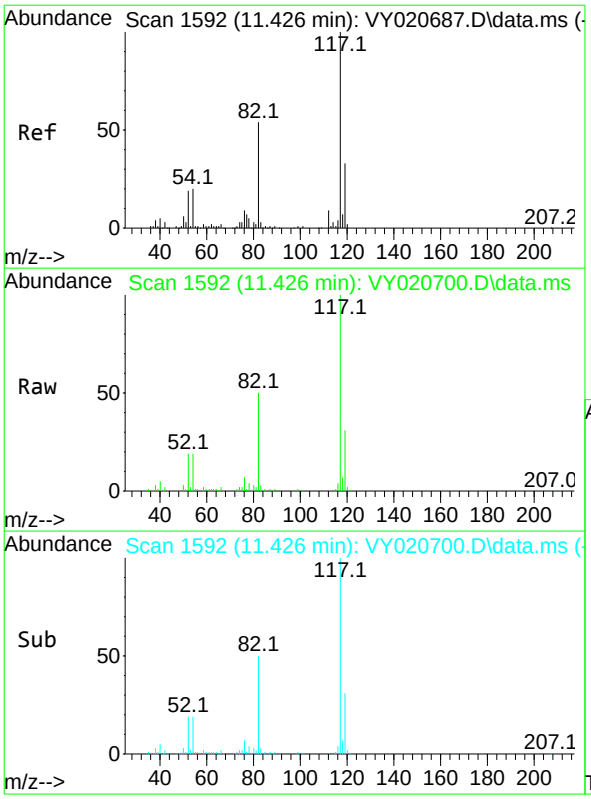


#62
4-Bromofluorobenzene
Concen: 50.477 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Tgt Ion: 95 Resp: 58708

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	179.2
176	88.7	0.0	179.8



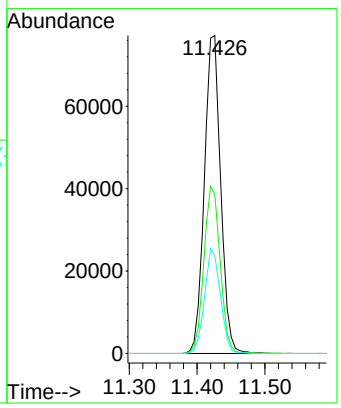


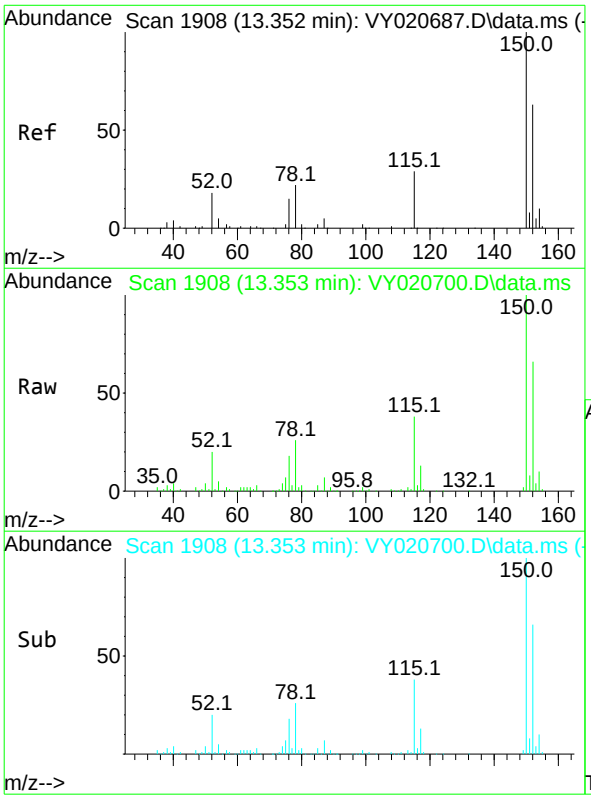
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-12-121224

Tgt Ion:117 Resp: 128778

Ion	Ratio	Lower	Upper
117	100		
82	50.1	43.4	65.2
119	30.7	26.6	39.8

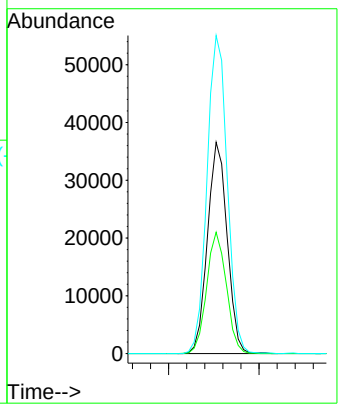




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020700.D
Acq: 23 Dec 2024 18:38

Tgt Ion:152 Resp: 55306

Ion	Ratio	Lower	Upper
152	100		
115	57.4	30.3	90.9
150	154.6	0.0	349.0



Raw Data: **VY020658.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020658.D	1		12/19/24 16:23	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0053	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0063	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020658.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020658.D	1		12/19/24 16:23	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020658.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	5.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020658.D	1		12/19/24 16:23	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.2		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	58.3	*	85 - 116		117%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	7.713				
540-36-3	1,4-Difluorobenzene	321000	8.616				
3114-55-4	Chlorobenzene-d5	275000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	108000	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\VY121924\
Data File : VY020658.D
Acq On : 19 Dec 2024 16:23
Operator : SY/MD
Sample : P5306-13
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Quant Time: Dec 20 00:56:41 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

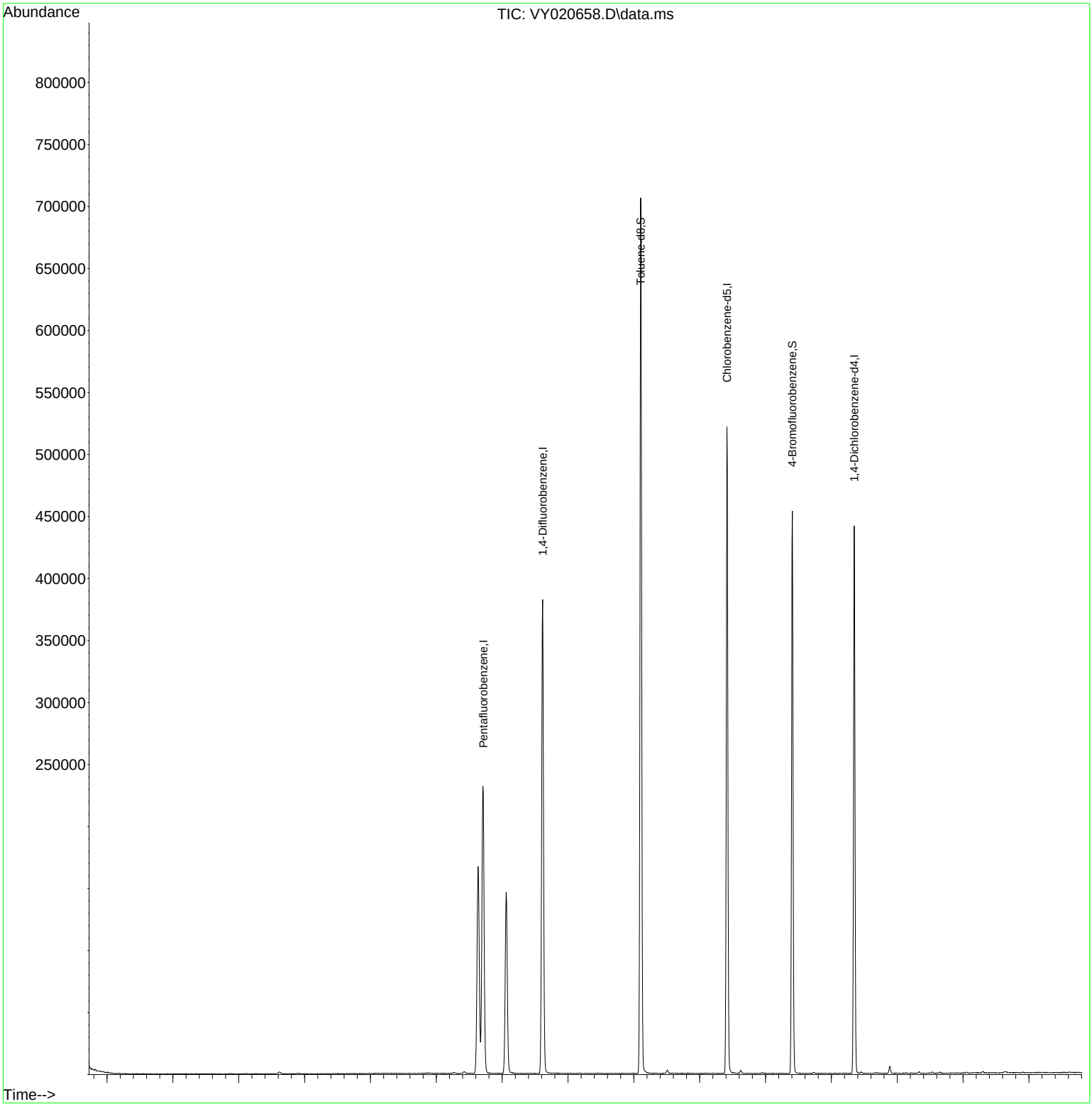
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	180951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	274829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117357	59.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.440%			
35) Dibromofluoromethane	7.634	113	119965	52.953	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.103	98	461999	58.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.520%			
62) 4-Bromofluorobenzene	12.408	95	139685	45.033	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.060%			
Target Compounds						Qvalue

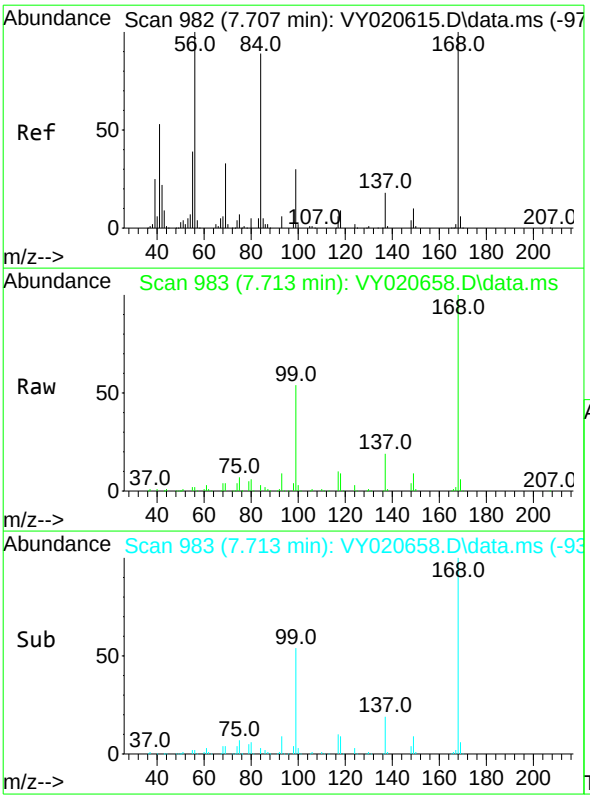
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020658.D
Acq On : 19 Dec 2024 16:23
Operator : SY/MD
Sample : P5306-13
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Quant Time: Dec 20 00:56:41 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



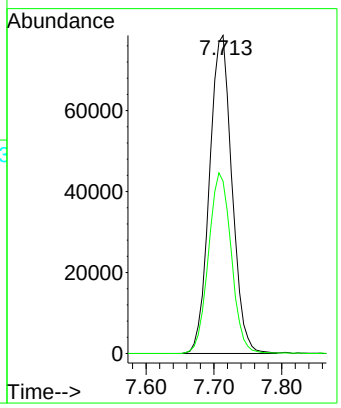


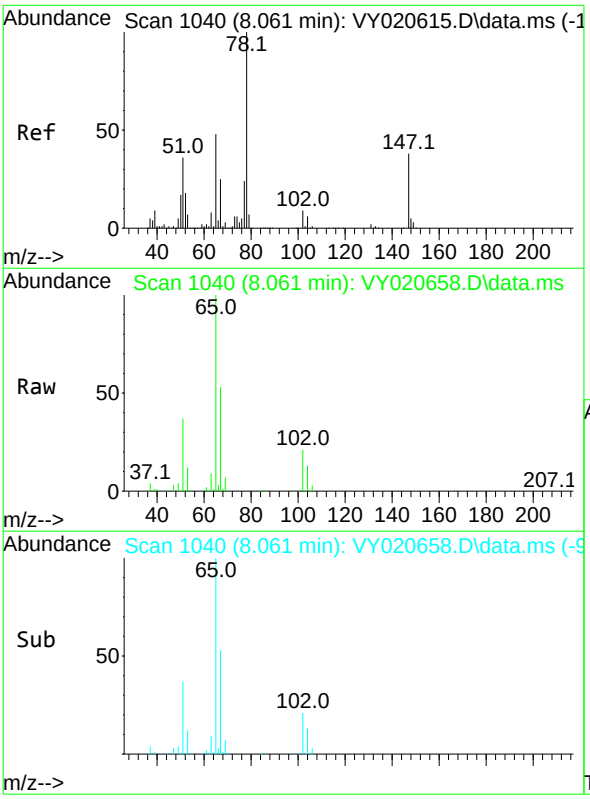
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Tgt Ion:168 Resp: 180951

Ion	Ratio	Lower	Upper
168	100		
99	54.2	47.0	70.6

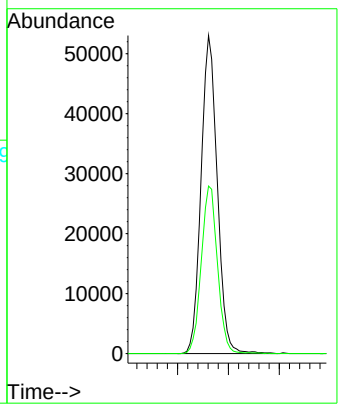


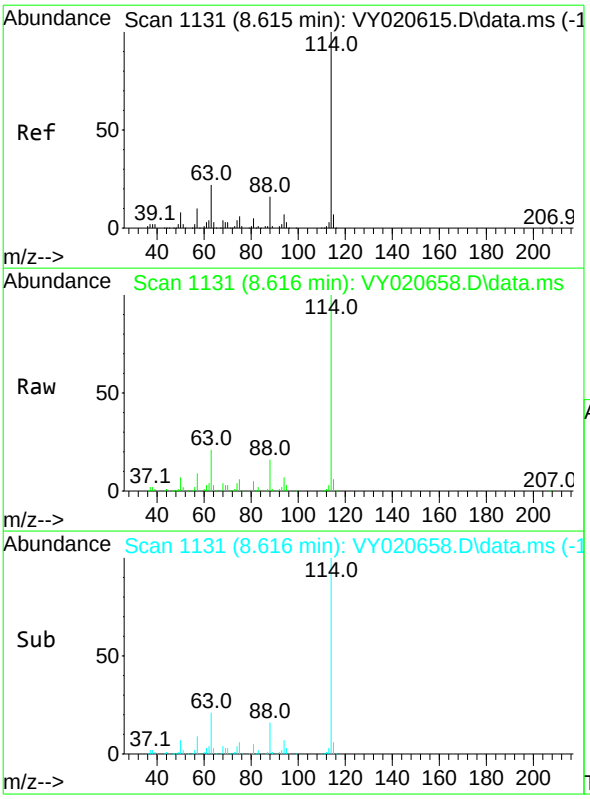


#33
1,2-Dichloroethane-d4
Concen: 59.217 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 65 Resp: 117357

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0



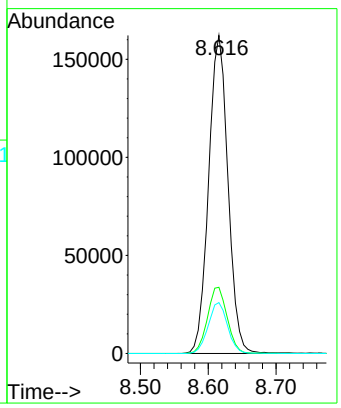


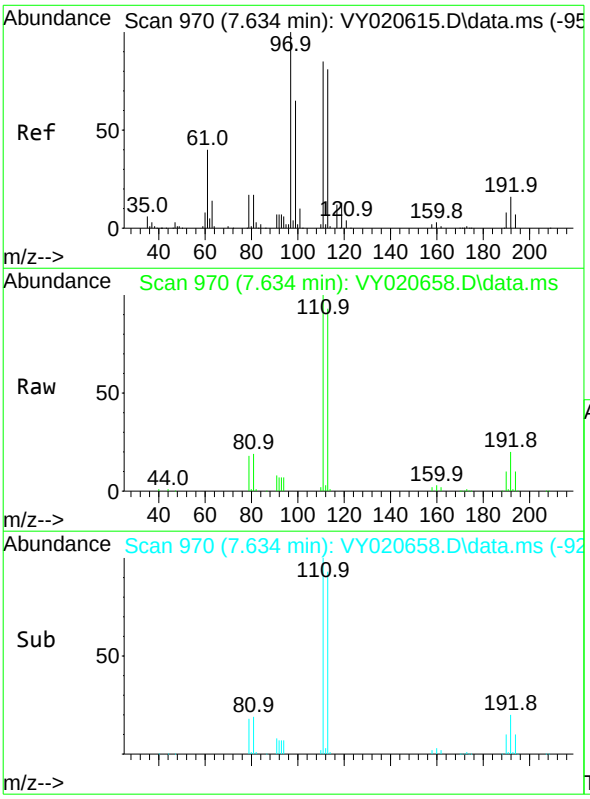
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Tgt Ion:114 Resp: 321451

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.0	0.0	32.8

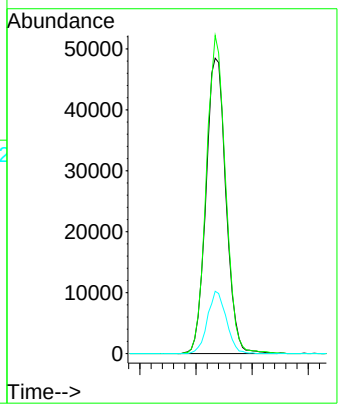


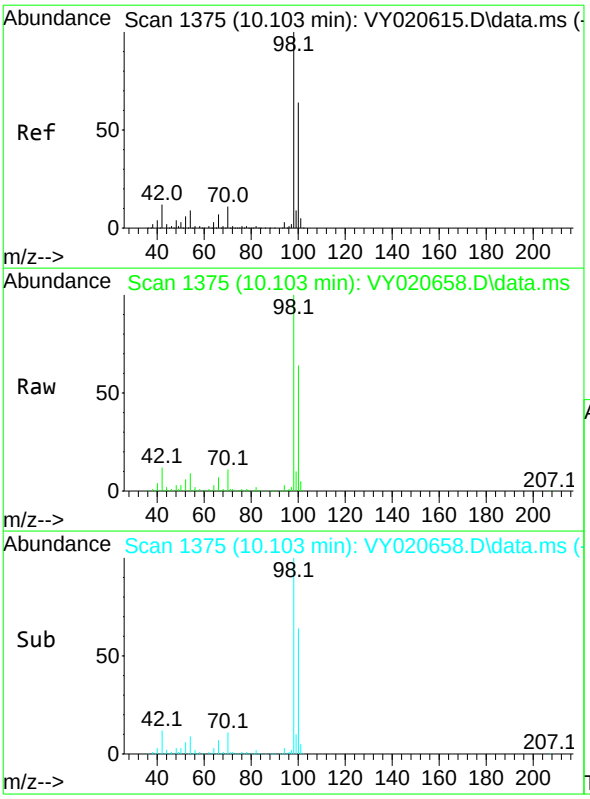


#35
Dibromofluoromethane
Concen: 52.953 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion:113 Resp: 119965

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	19.9	15.7	23.5



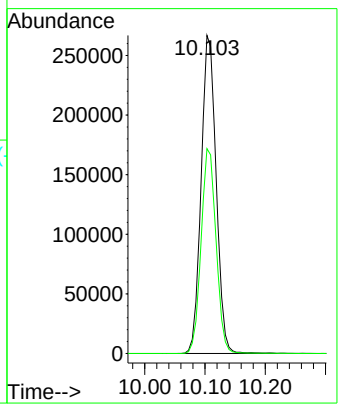


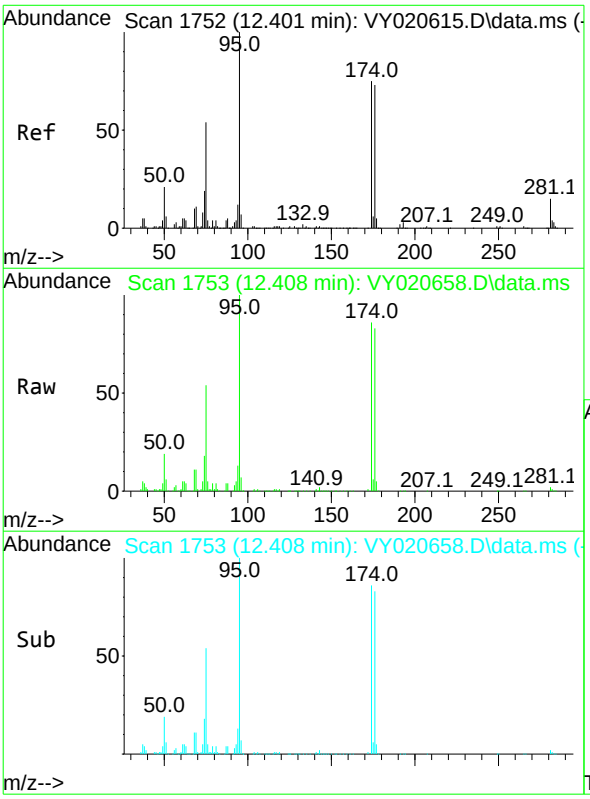
#50
Toluene-d8
Concen: 58.262 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Tgt Ion: 98 Resp: 461999

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

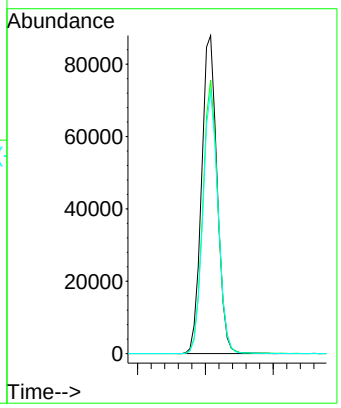


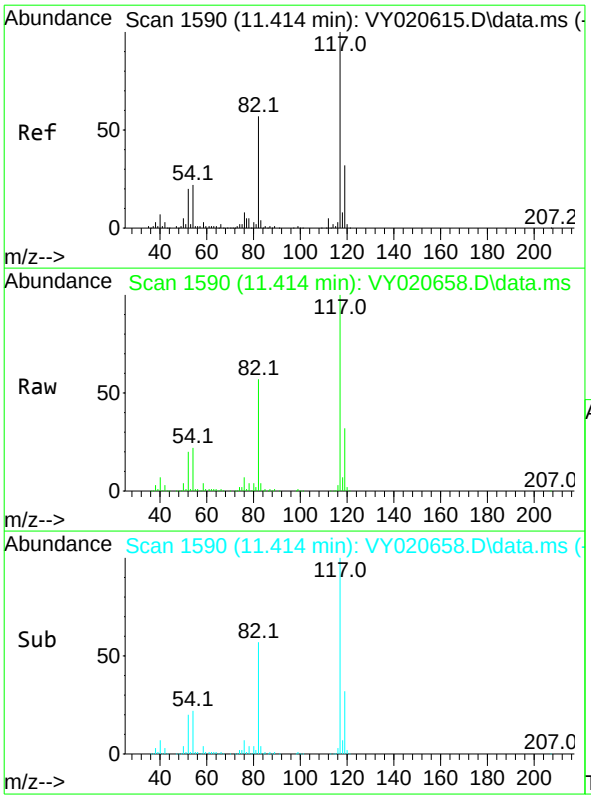


#62
4-Bromofluorobenzene
Concen: 45.033 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 95 Resp: 139685

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	161.8
176	81.0	0.0	156.6



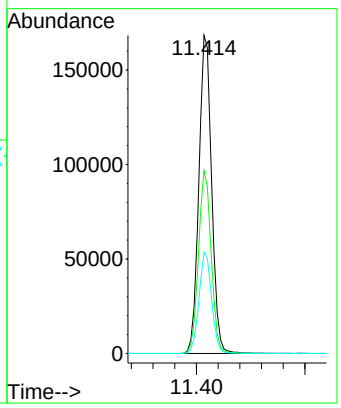


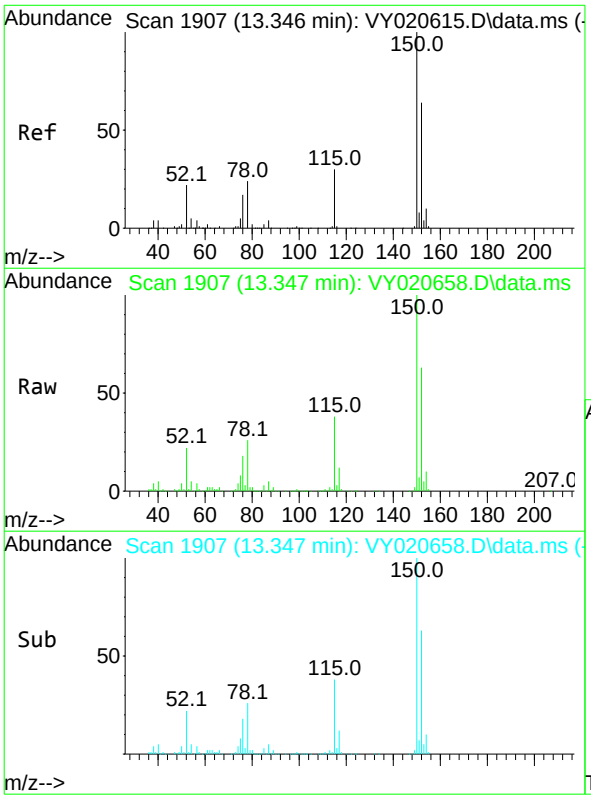
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

Tgt Ion:117 Resp: 274829

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	31.9	25.3	37.9

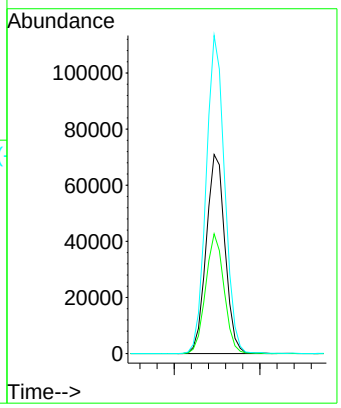




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion:152 Resp: 108145

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.2	90.6
150	157.4	0.0	355.4



Raw Data: **VY020679.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020679.D	1		12/20/24 18:26	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00070	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00094	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.00092	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0048	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.00083	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00098	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0046	0.011	0.023	mg/Kg
67-64-1	Acetone	0.018	U	0.0057	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0073	U	0.0031	0.0073	0.0091	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0052	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0015	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00061	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00067	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00051	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0040	0.011	0.023	mg/Kg

Raw Data: **VY020679.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020679.D	1		12/20/24 18:26	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	UQ	0.00055	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00052	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00077	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	UQ	0.00054	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0044	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0012	0.0046	0.0091	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0018	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00064	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00055	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00053	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg

Raw Data: **VY020679.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224RE	SDG No.:	P5306
Lab Sample ID:	P5306-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020679.D	1		12/20/24 18:26	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.00054	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	UQ	0.0014	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	28.1	*	71 - 136		56%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		78 - 119		89%	SPK: 50
2037-26-5	Toluene-d8	45.0		85 - 116		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	14.7	*	79 - 119		29%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	13300	7.707				
540-36-3	1,4-Difluorobenzene	17500	8.615				
3114-55-4	Chlorobenzene-d5	9410	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	1300	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: **VY020679.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020679.D
Acq On : 20 Dec 2024 18:26
Operator : SY/MD
Sample : P5306-13RE
Misc : 6.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Quant Time: Dec 20 22:03:32 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	13256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	17467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4081	28.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	56.220%		
35) Dibromofluoromethane	7.634	113	5486	44.564	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.120%		
50) Toluene-d8	10.109	98	19399	45.022	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.040%		
62) 4-Bromofluorobenzene	12.414	95	2483	14.732	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	29.460%		
Target Compounds						Qvalue

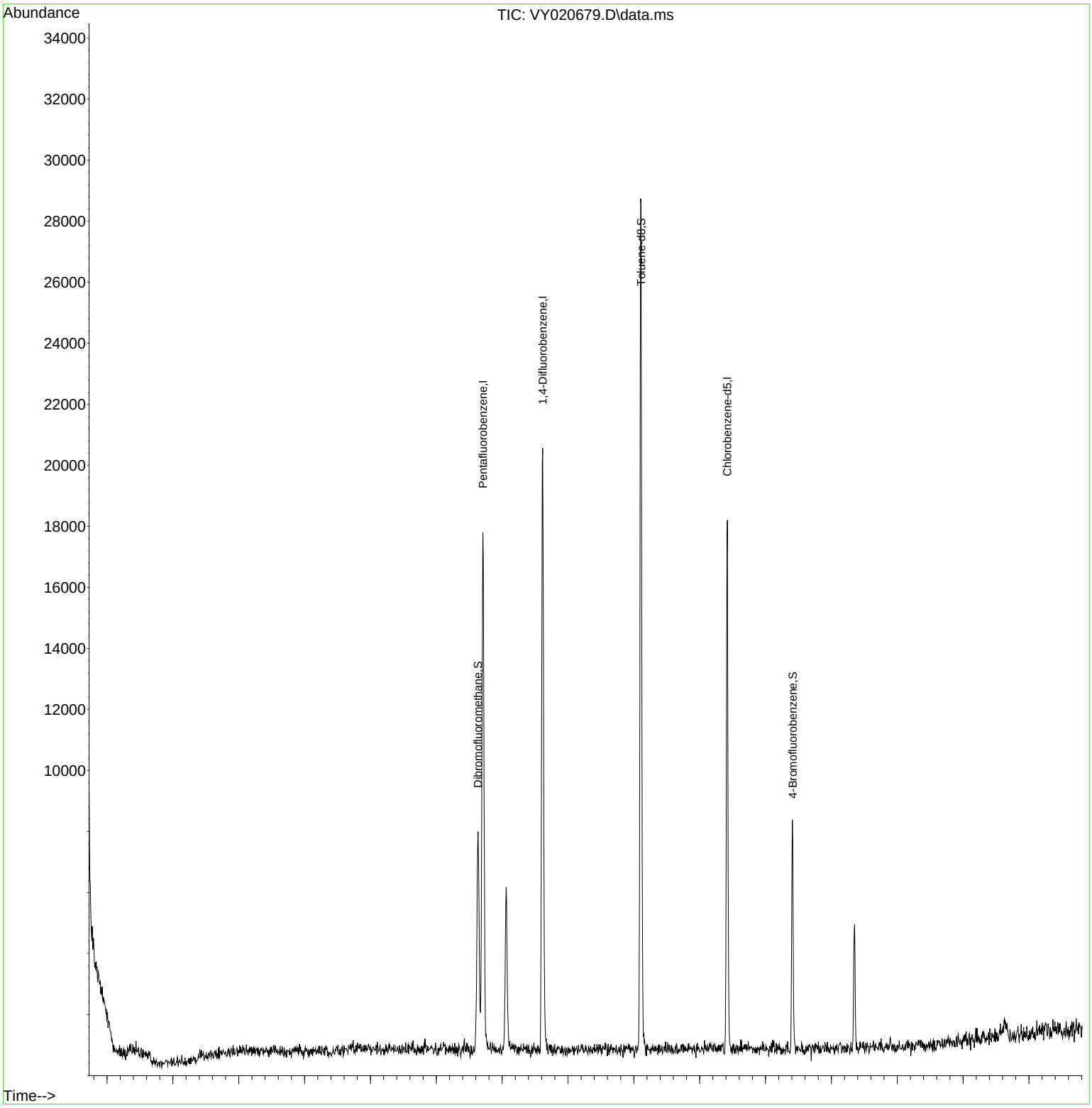
(#) = qualifier out of range (m) = manual integration (+) = signals summed

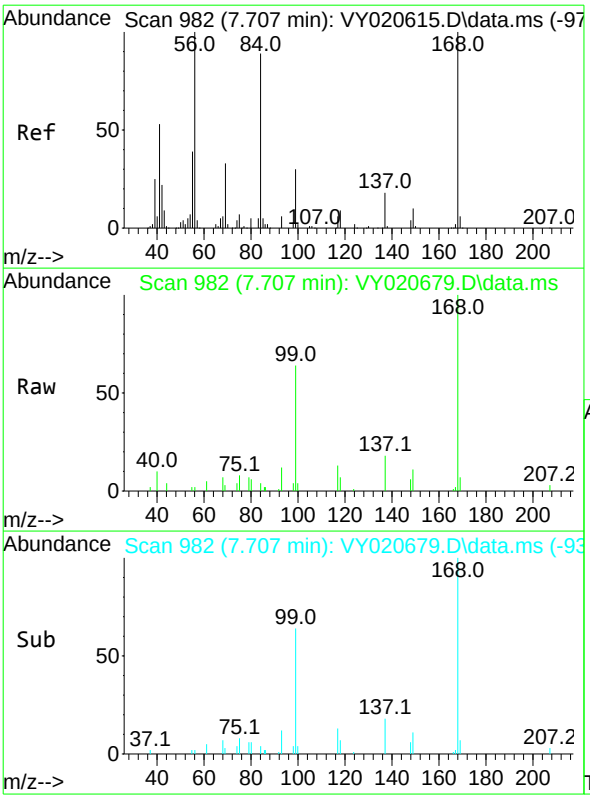
Sample Results: **VY020679.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020679.D
Acq On : 20 Dec 2024 18:26
Operator : SY/MD
Sample : P5306-13RE
Misc : 6.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Quant Time: Dec 20 22:03:32 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



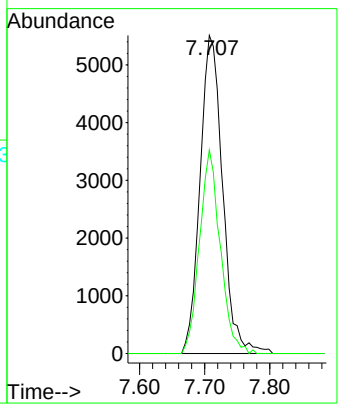


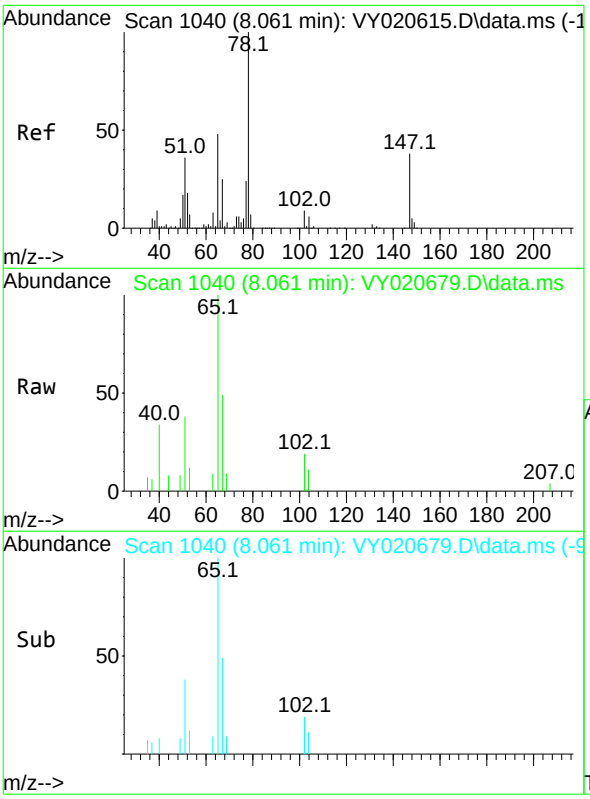
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Tgt Ion:168 Resp: 13256

Ion	Ratio	Lower	Upper
168	100		
99	64.0	47.0	70.6

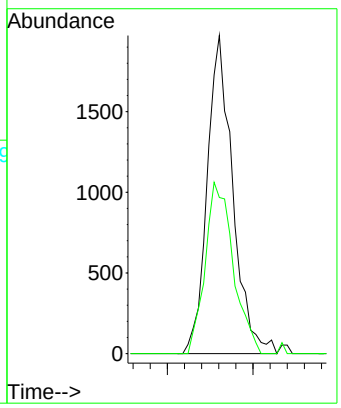


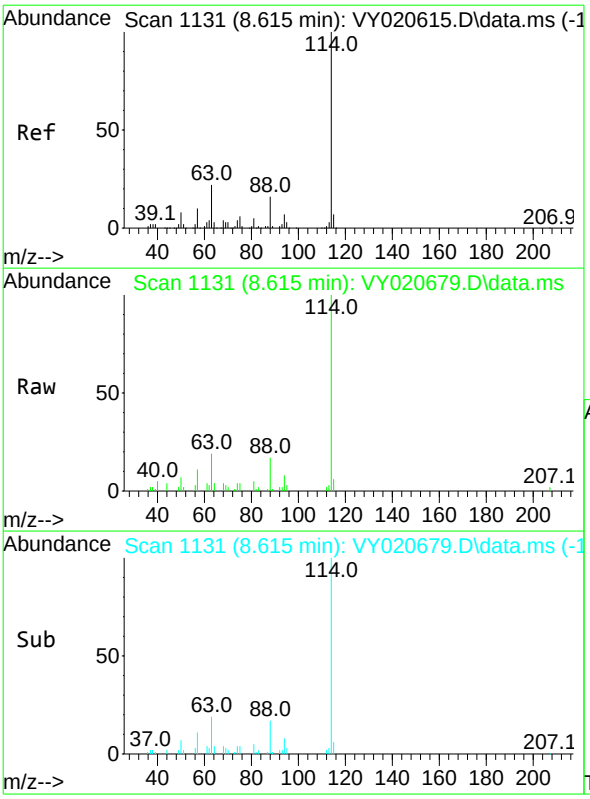


#33
1,2-Dichloroethane-d4
Concen: 28.110 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion: 65 Resp: 4081

Ion	Ratio	Lower	Upper
65	100		
67	59.0	0.0	108.0



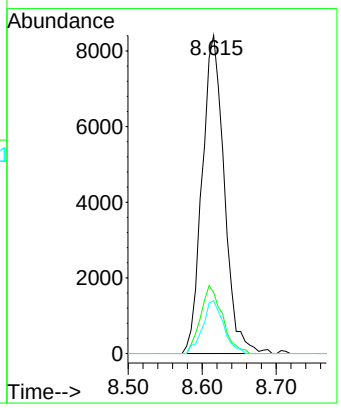


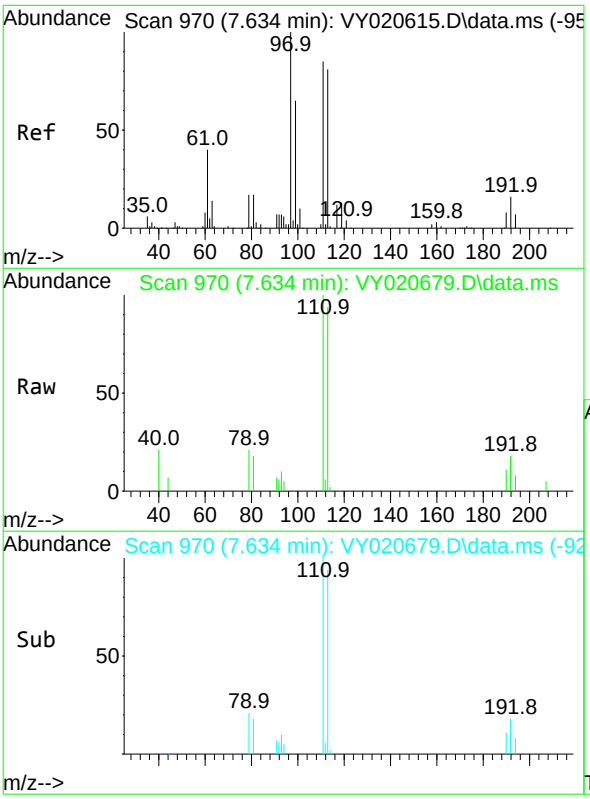
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Tgt Ion:114 Resp: 17467

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	44.0
88	16.6	0.0	32.8

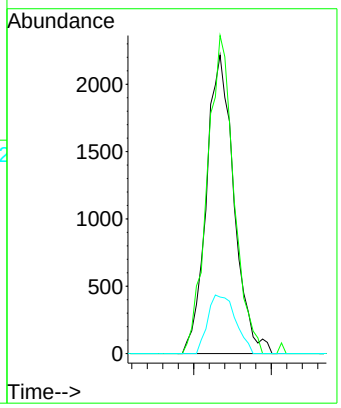


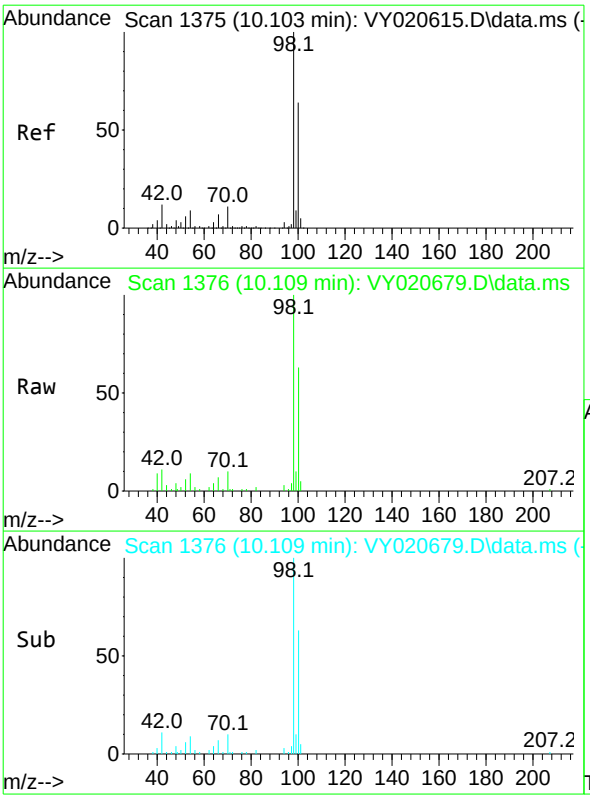


#35
Dibromofluoromethane
Concen: 44.564 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion:113 Resp: 5486

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	19.7	15.7	23.5



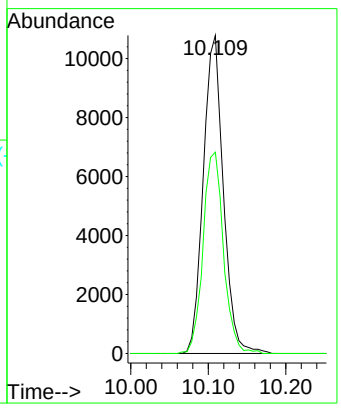


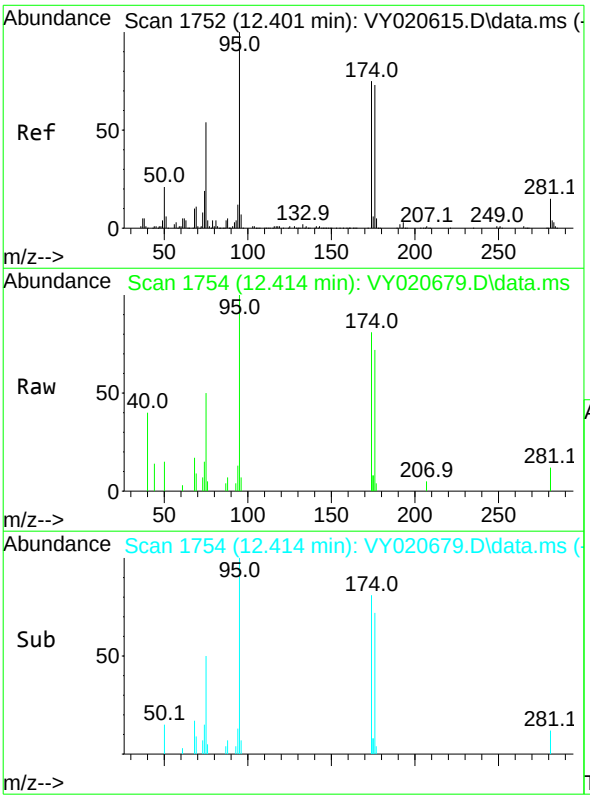
#50
Toluene-d8
Concen: 45.022 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Tgt Ion: 98 Resp: 19399

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

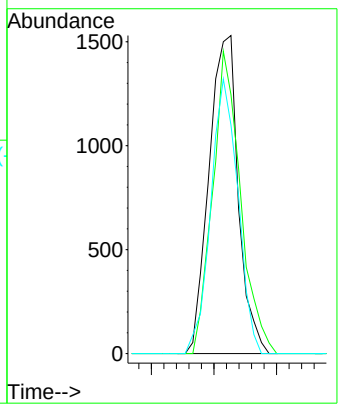


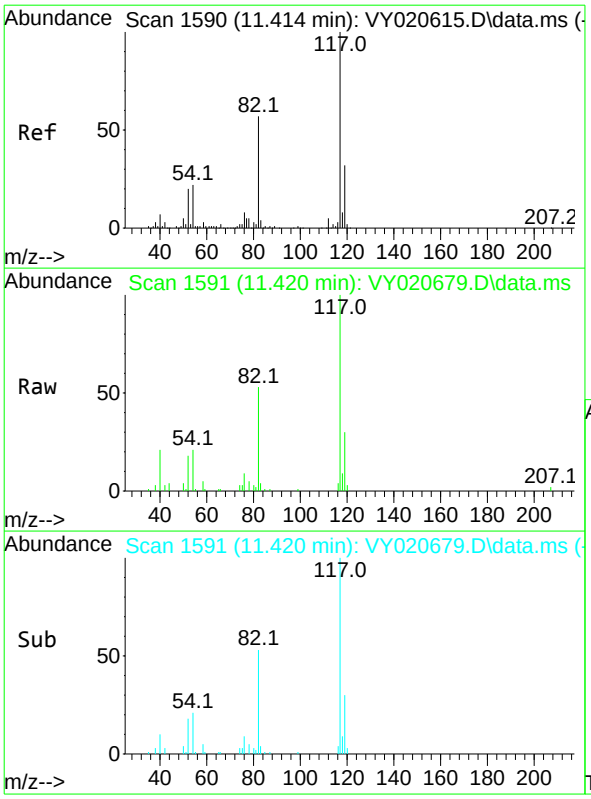


#62
4-Bromofluorobenzene
Concen: 14.732 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion: 95 Resp: 2483

Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	161.8
176	80.0	0.0	156.6



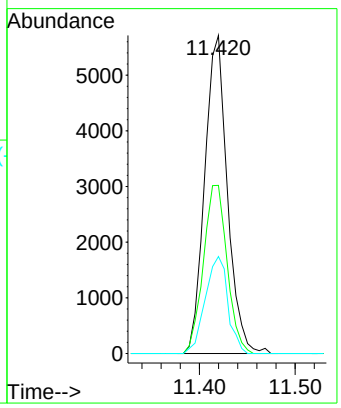


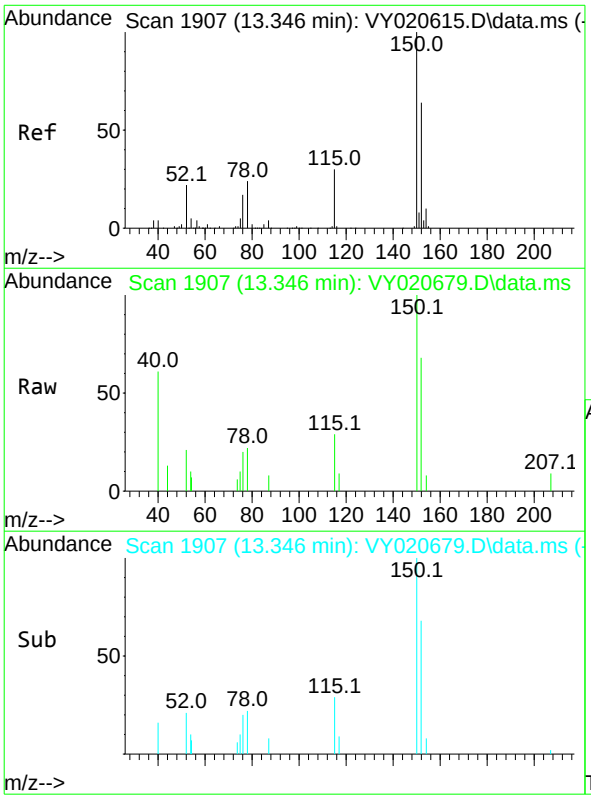
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224RE

Tgt Ion:117 Resp: 9407

Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.8	68.6
119	30.5	25.3	37.9

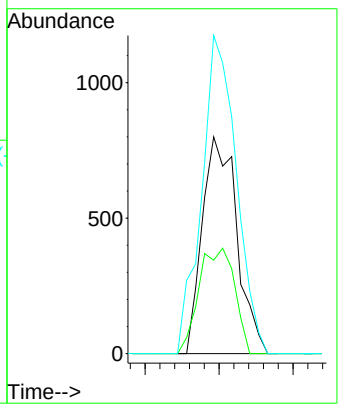




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020679.D
Acq: 20 Dec 2024 18:26

Tgt Ion:152 Resp: 1297

Ion	Ratio	Lower	Upper
152	100		
115	50.2	30.2	90.6
150	147.6	0.0	355.4



Raw Data: **VY020701.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.9
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020701.D	1		12/23/24 19:01	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0043	U	0.0018	0.0043	0.0053	mg/Kg
74-87-3	Chloromethane	0.0027	U	0.0012	0.0027	0.0053	mg/Kg
75-01-4	Vinyl Chloride	0.0027	U	0.00082	0.0027	0.0053	mg/Kg
74-83-9	Bromomethane	0.0043	U	0.0011	0.0043	0.0053	mg/Kg
75-00-3	Chloroethane	0.0027	U	0.0011	0.0027	0.0053	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0056	0.013	0.027	mg/Kg
75-69-4	Trichlorofluoromethane	0.0043	U	0.00097	0.0043	0.0053	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0027	U	0.0011	0.0027	0.0053	mg/Kg
75-35-4	1,1-Dichloroethene	0.0027	U	0.00083	0.0027	0.0053	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0053	0.013	0.027	mg/Kg
67-64-1	Acetone	0.021	U	0.0066	0.021	0.027	mg/Kg
75-15-0	Carbon Disulfide	0.0043	U	0.0014	0.0043	0.0053	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0027	U	0.00071	0.0027	0.0053	mg/Kg
75-09-2	Methylene Chloride	0.0085	U	0.0036	0.0085	0.011	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0027	U	0.00089	0.0027	0.0053	mg/Kg
75-34-3	1,1-Dichloroethane	0.0027	U	0.00067	0.0027	0.0053	mg/Kg
78-93-3	2-Butanone	0.021	U	0.0060	0.021	0.027	mg/Kg
56-23-5	Carbon Tetrachloride	0.0027	U	0.00093	0.0027	0.0053	mg/Kg
594-20-7	2,2-Dichloropropane	0.0043	U	0.0017	0.0043	0.0053	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0027	U	0.00065	0.0027	0.0053	mg/Kg
67-66-3	Chloroform	0.0043	U	0.00071	0.0043	0.0053	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0027	U	0.00083	0.0027	0.0053	mg/Kg
563-58-6	1,1-Dichloropropene	0.0027	U	0.00078	0.0027	0.0053	mg/Kg
71-43-2	Benzene	0.0027	U	0.00077	0.0027	0.0053	mg/Kg
107-06-2	1,2-Dichloroethane	0.0027	U	0.00065	0.0027	0.0053	mg/Kg
79-01-6	Trichloroethene	0.0027	U	0.00080	0.0027	0.0053	mg/Kg
78-87-5	1,2-Dichloropropane	0.0027	U	0.00070	0.0027	0.0053	mg/Kg
74-95-3	Dibromomethane	0.0027	U	0.00066	0.0027	0.0053	mg/Kg
75-27-4	Bromodichloromethane	0.0027	U	0.00060	0.0027	0.0053	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0046	0.013	0.027	mg/Kg

Raw Data: **VY020701.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.9
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020701.D	1		12/23/24 19:01	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0027	U	0.00071	0.0027	0.0053	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0027	U	0.00064	0.0027	0.0053	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0027	U	0.00061	0.0027	0.0053	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0027	U	0.00089	0.0027	0.0053	mg/Kg
142-28-9	1,3-Dichloropropane	0.0027	U	0.00063	0.0027	0.0053	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0051	0.013	0.027	mg/Kg
124-48-1	Dibromochloromethane	0.0027	U	0.00069	0.0027	0.0053	mg/Kg
106-93-4	1,2-Dibromoethane	0.0027	U	0.00084	0.0027	0.0053	mg/Kg
127-18-4	Tetrachloroethene	0.0027	U	0.00095	0.0027	0.0053	mg/Kg
108-90-7	Chlorobenzene	0.0027	U	0.00079	0.0027	0.0053	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0027	U	0.00068	0.0027	0.0053	mg/Kg
100-41-4	Ethyl Benzene	0.0027	U	0.00066	0.0027	0.0053	mg/Kg
179601-23-1	m/p-Xylenes	0.0053	U	0.0014	0.0053	0.011	mg/Kg
1330-20-7	Total Xylenes	0.0080	U	0.0021	0.0080	0.016	mg/Kg
95-47-6	o-Xylene	0.0027	U	0.00074	0.0027	0.0053	mg/Kg
100-42-5	Styrene	0.0027	U	0.00064	0.0027	0.0053	mg/Kg
75-25-2	Bromoform	0.0027	U	0.00086	0.0027	0.0053	mg/Kg
98-82-8	Isopropylbenzene	0.0027	U	0.00071	0.0027	0.0053	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0027	U	0.0012	0.0027	0.0053	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0043	U	0.0012	0.0043	0.0053	mg/Kg
108-86-1	Bromobenzene	0.0027	U	0.00069	0.0027	0.0053	mg/Kg
103-65-1	n-propylbenzene	0.0027	U	0.00068	0.0027	0.0053	mg/Kg
95-49-8	2-Chlorotoluene	0.0027	U	0.00066	0.0027	0.0053	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0027	U	0.00068	0.0027	0.0053	mg/Kg
106-43-4	4-Chlorotoluene	0.0027	U	0.00063	0.0027	0.0053	mg/Kg
98-06-6	tert-Butylbenzene	0.0027	U	0.00071	0.0027	0.0053	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0027	U	0.0015	0.0027	0.0053	mg/Kg
135-98-8	sec-Butylbenzene	0.0027	U	0.00071	0.0027	0.0053	mg/Kg
99-87-6	p-Isopropyltoluene	0.0027	U	0.00062	0.0027	0.0053	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0027	U	0.00079	0.0027	0.0053	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0027	U	0.00085	0.0027	0.0053	mg/Kg

Raw Data: **VY020701.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.9
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020701.D	1		12/23/24 19:01	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0027	U	0.00067	0.0027	0.0053	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0027	U	0.00063	0.0027	0.0053	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0043	U	0.0017	0.0043	0.0053	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	0.00084	0.0027	0.0053	mg/Kg
87-68-3	Hexachlorobutadiene	0.0027	U	0.00086	0.0027	0.0053	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0027	U	0.00083	0.0027	0.0053	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0027	U	0.00085	0.0027	0.0053	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.5		71 - 136		129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	57.4		85 - 116		115%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94800	7.719				
540-36-3	1,4-Difluorobenzene	153000	8.622				
3114-55-4	Chlorobenzene-d5	128000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	54200	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: **VY020701.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020701.D
Acq On : 23 Dec 2024 19:01
Operator : SY/MD
Sample : P5306-15
Misc : 4.90g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Quant Time: Dec 25 01:02:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

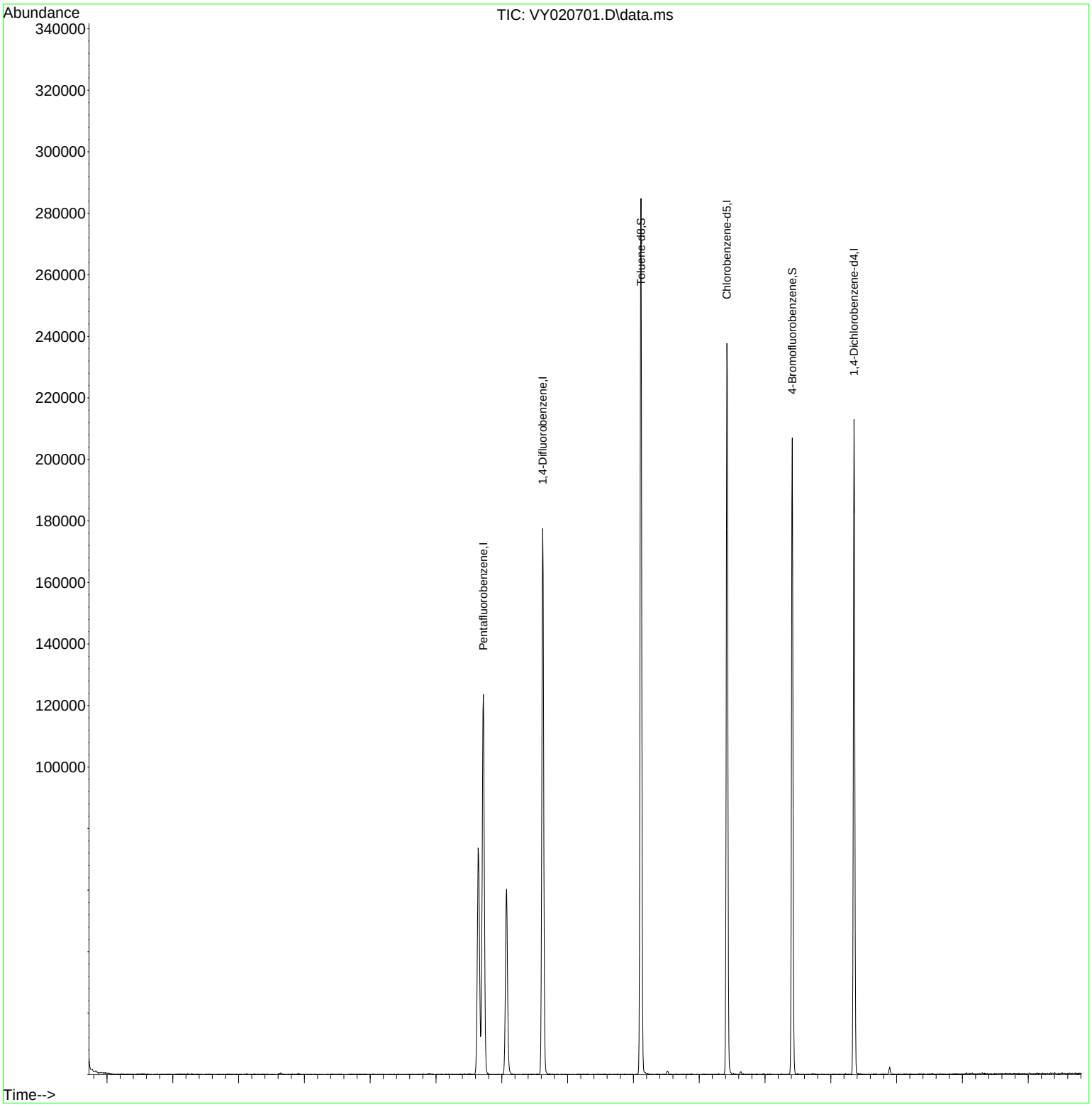
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	94774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	152816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	128401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	54196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	54157	64.522	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.040%			
35) Dibromofluoromethane	7.640	113	48833	54.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.840%			
50) Toluene-d8	10.115	98	186989	57.375	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.760%			
62) 4-Bromofluorobenzene	12.414	95	58946	49.693	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.380%			
Target Compounds						Qvalue

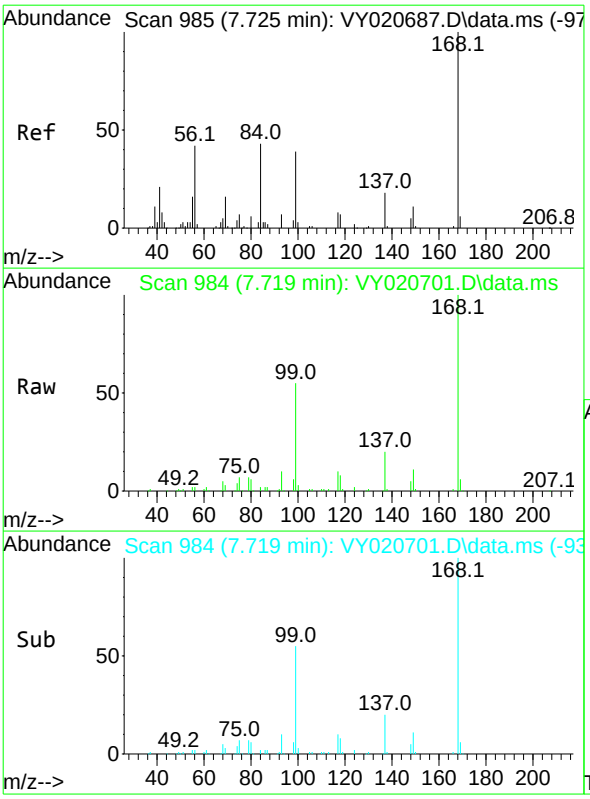
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020701.D
Acq On : 23 Dec 2024 19:01
Operator : SY/MD
Sample : P5306-15
Misc : 4.90g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Quant Time: Dec 25 01:02:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration



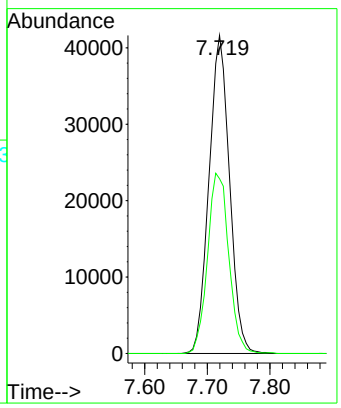


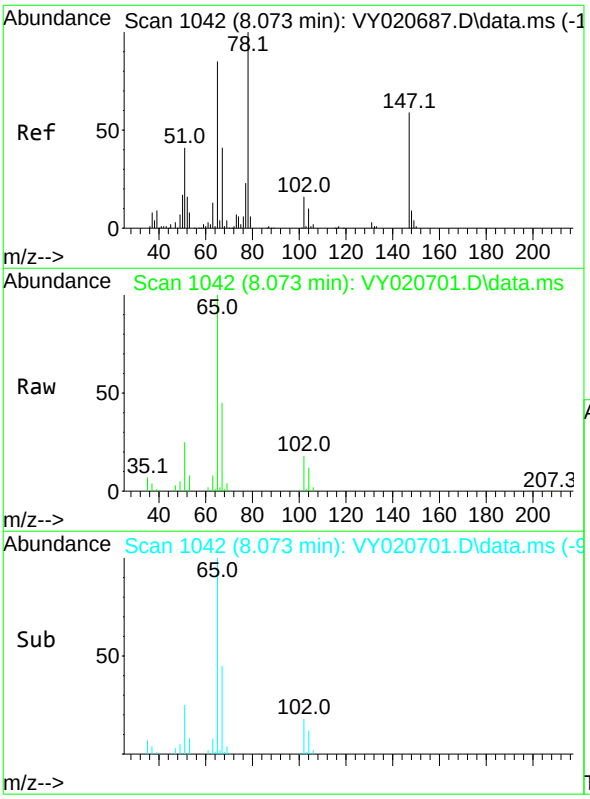
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Tgt Ion:168 Resp: 94774

Ion	Ratio	Lower	Upper
168	100		
99	54.9	43.8	65.6

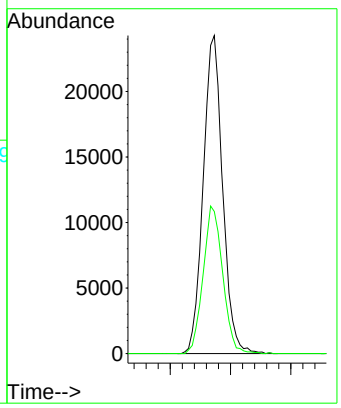


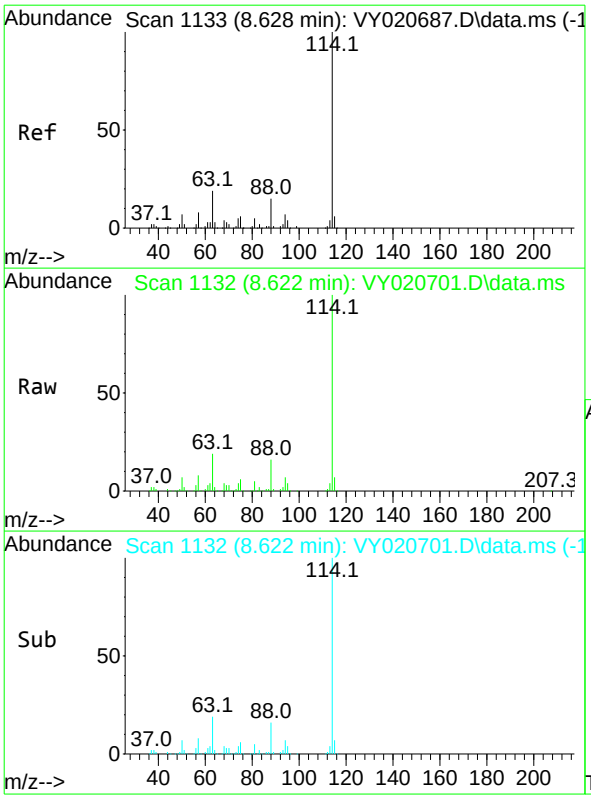


#33
1,2-Dichloroethane-d4
Concen: 64.522 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Tgt Ion: 65 Resp: 54157

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	98.0



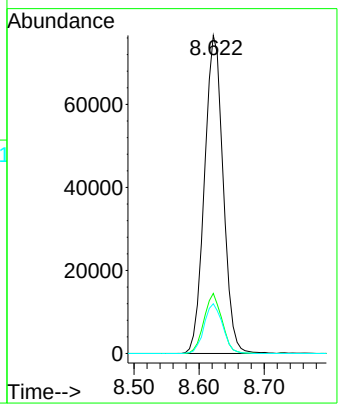


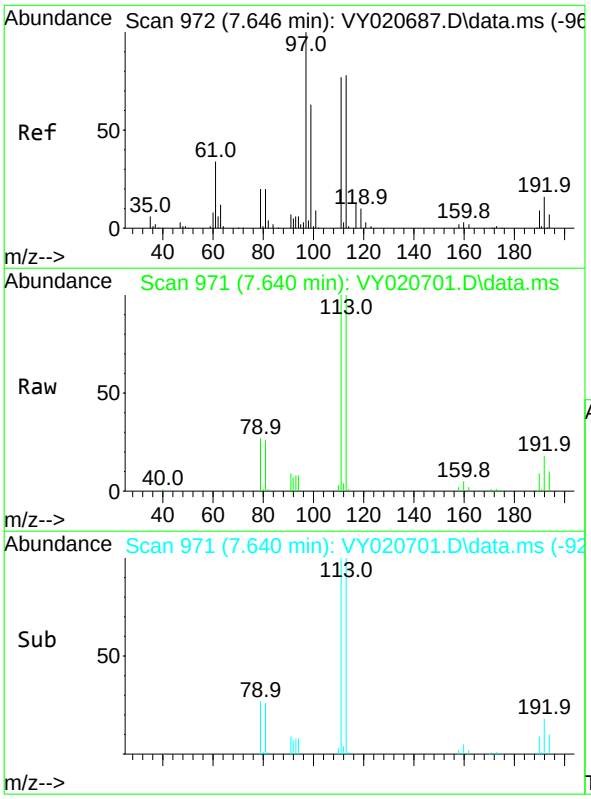
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Tgt Ion:114 Resp: 152816

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	15.6	0.0	30.4

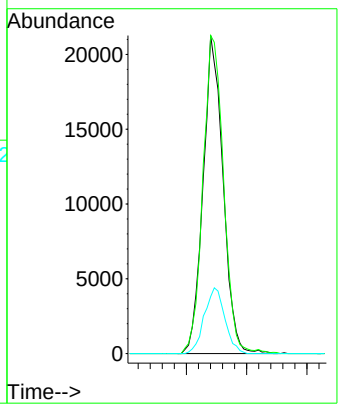


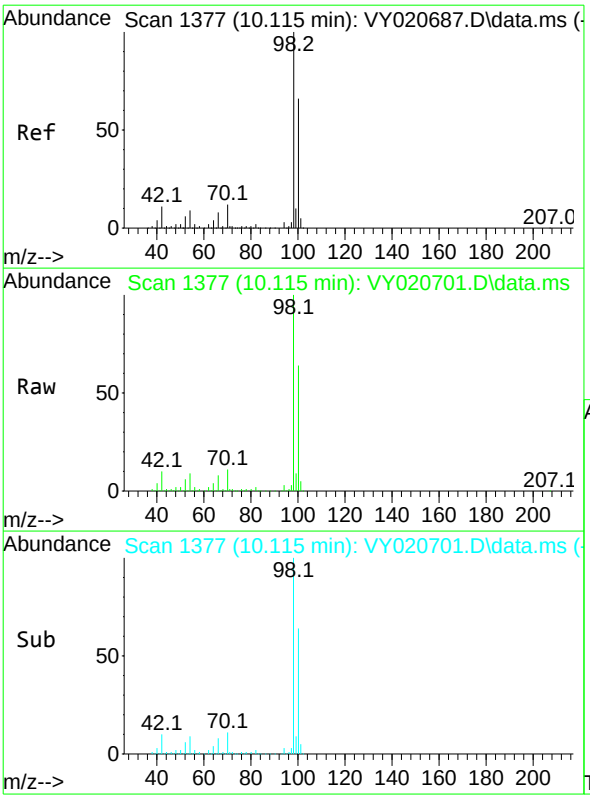


#35
Dibromofluoromethane
Concen: 54.422 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Tgt Ion:113 Resp: 48833

Ion	Ratio	Lower	Upper
113	100		
111	103.6	79.8	119.8
192	21.3	17.0	25.6



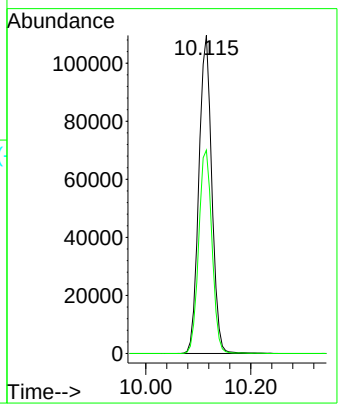


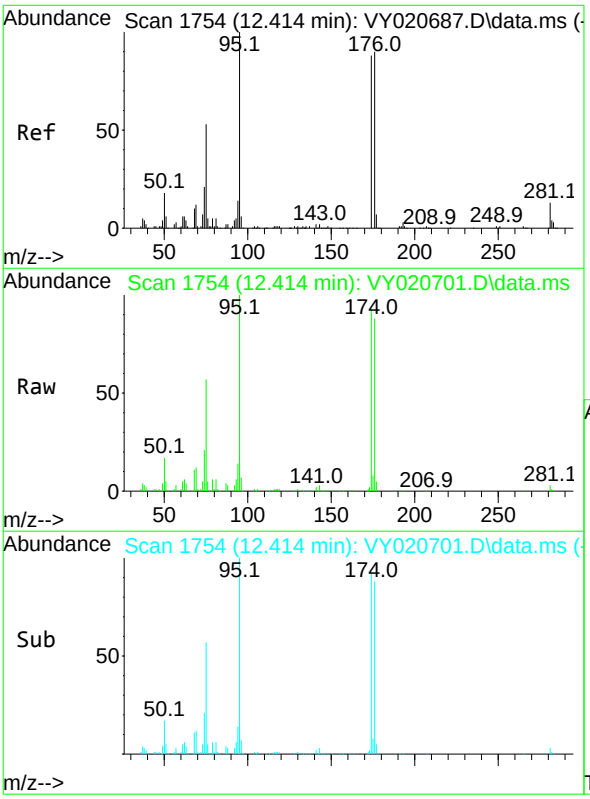
#50
Toluene-d8
Concen: 57.375 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Tgt Ion: 98 Resp: 186989

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

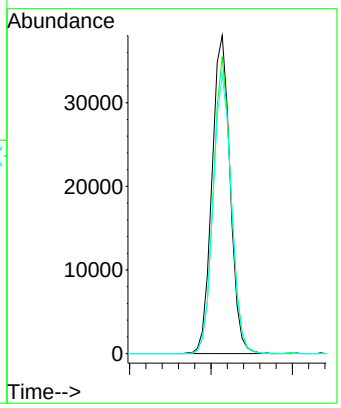


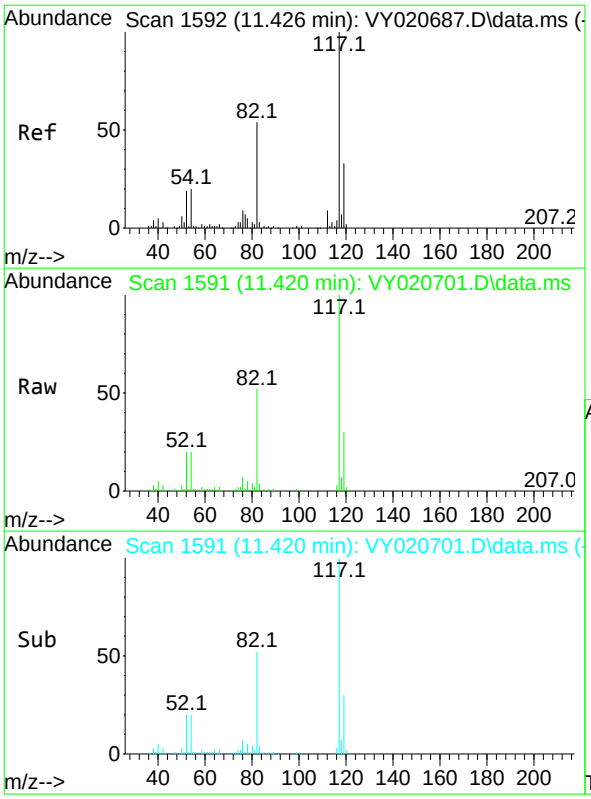


#62
4-Bromofluorobenzene
Concen: 49.693 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Tgt Ion: 95 Resp: 58946

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.2
176	88.7	0.0	179.8



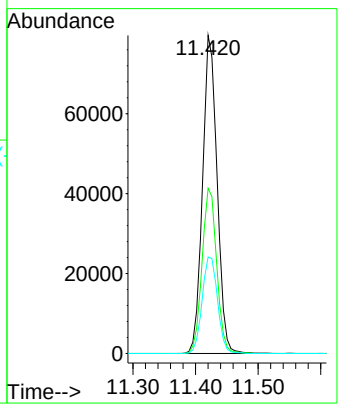


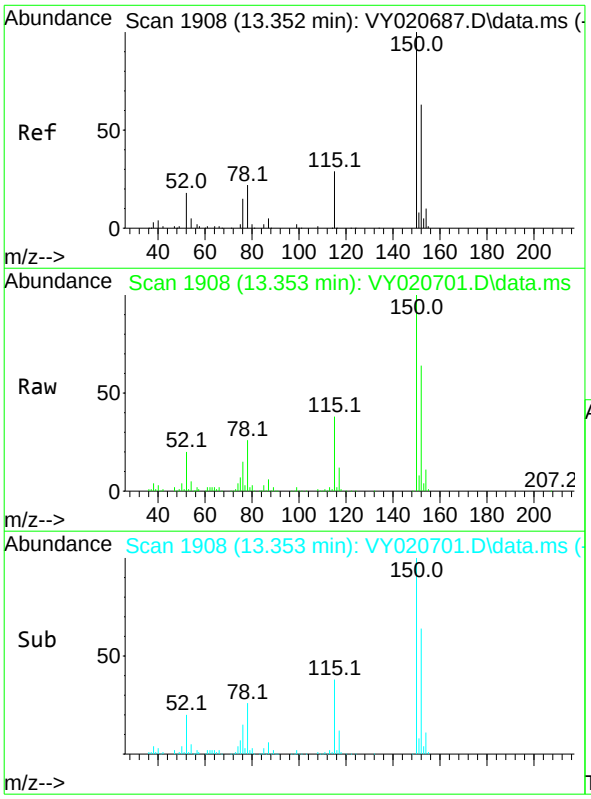
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-14-121224

Tgt Ion:117 Resp: 128401

Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.2
119	30.4	26.6	39.8

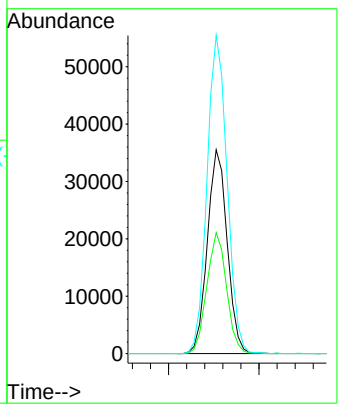




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020701.D
Acq: 23 Dec 2024 19:01

Tgt Ion:152 Resp: 54196

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	157.6	0.0	349.0



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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Dichlorodifluoromethane	0.678	0.633	0.617	0.601	0.552	0.665	0.625	7.3
Chloromethane	0.490	0.506	0.428	0.426	0.372	0.555	0.463	14.3
Vinyl Chloride	0.443	0.469	0.371	0.440	0.374	0.487	0.431	11.3
Bromomethane	0.291	0.279	0.229	0.282	0.254	0.327	0.277	12.1
Chloroethane	0.273	0.287	0.212	0.272	0.251	0.302	0.266	11.8
Tetrahydrofuran	0.154	0.126	0.133	0.132	0.110	0.116	0.128	11.8
Trichlorofluoromethane	0.981	0.954	0.791	0.878	0.810	0.993	0.901	9.7
1,1,2-Trichlorotrifluoroethane	0.715	0.659	0.603	0.649	0.537	0.712	0.646	10.5
1,1-Dichloroethene	0.701	0.637	0.589	0.638	0.528	0.667	0.627	9.7
Acrylonitrile	0.179	0.144	0.155	0.153	0.132	0.144	0.151	10.4
Acetone	0.141	0.107	0.098	0.110		0.168	0.125	23.2
Carbon Disulfide	2.315	2.083	1.939	2.092	1.669	2.142	2.040	10.7
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
2,2-Dichloropropane	1.366	1.219	1.184	1.146	1.041	1.451	1.235	12.1
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
1,1-Dichloropropene	0.691	0.637	0.637	0.622	0.581	0.688	0.643	6.5
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
1,2-Dichloropropane	0.473	0.450	0.434	0.440	0.401	0.442	0.440	5.3
Dibromomethane	0.262	0.230	0.231	0.233	0.209	0.232	0.233	7.2
Bromodichloromethane	0.672	0.632	0.632	0.627	0.581	0.626	0.628	4.6
4-Methyl-2-Pentanone	0.364	0.290	0.299	0.301	0.261	0.297	0.302	11.1

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

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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Toluene	1.247	1.185	1.167	1.165	1.082	1.176	1.170	4.5
t-1,3-Dichloropropene	0.638	0.572	0.602	0.611	0.556	0.534	0.586	6.5
cis-1,3-Dichloropropene	0.742	0.694	0.706	0.714	0.646	0.661	0.694	5.1
1,1,2-Trichloroethane	0.344	0.306	0.303	0.309	0.276	0.308	0.308	7.1
1,3-Dichloropropane	0.609	0.544	0.555	0.554	0.495	0.534	0.548	6.7
2-Hexanone	0.225	0.183	0.199	0.202	0.175	0.180	0.194	9.5
Dibromochloromethane	0.447	0.402	0.420	0.421	0.381	0.396	0.411	5.7
1,2-Dibromoethane	0.319	0.281	0.288	0.290	0.261	0.277	0.286	6.7
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
1,1,1,2-Tetrachloroethane	0.529	0.468	0.474	0.476	0.443	0.479	0.478	5.9
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
Styrene	1.586	1.496	1.502	1.501	1.406	1.478	1.495	3.8
Bromoform	0.302	0.256	0.270	0.272	0.250	0.262	0.269	6.9
Isopropylbenzene	4.636	4.451	4.356	4.284	4.051	4.401	4.363	4.4
1,1,2,2-Tetrachloroethane	0.804	0.702	0.710	0.710	0.635	0.689	0.708	7.7
1,2,3-Trichloropropane	0.581	0.520	0.522	0.511	0.450	0.532	0.519	8.1
Bromobenzene	1.007	0.953	0.947	0.944	0.877	0.974	0.950	4.5
n-propylbenzene	5.566	5.397	5.283	5.151	4.837	5.307	5.257	4.7
2-Chlorotoluene	3.114	3.012	2.940	2.932	2.727	3.020	2.958	4.4
1,3,5-Trimethylbenzene	3.701	3.622	3.560	3.473	3.270	3.616	3.540	4.3
4-Chlorotoluene	3.185	3.123	3.059	2.993	2.786	3.264	3.068	5.5
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
p-Isopropyltoluene	3.975	3.951	3.916	3.809	3.574	3.838	3.844	3.8
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

* 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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
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-Dibromo-3-Chloropropane	0.133	0.107	0.113	0.114	0.107	0.116	0.115	8.4
1,2,4-Trichlorobenzene	0.975	0.927	1.014	1.030	0.990	0.964	0.983	3.8
Hexachlorobutadiene	0.650	0.636	0.657	0.634	0.613	0.667	0.643	3
1,2,3-Trichlorobenzene	0.798	0.791	0.864	0.874	0.846	0.813	0.831	4.2
1,2-Dichloroethane-d4	0.619	0.487	0.569	0.507	0.467	0.636	0.548	13
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
trans-1,4-Dichloro-2-butene	0.270	0.247	0.256	0.262	0.237	0.212	0.247	8.4

* 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

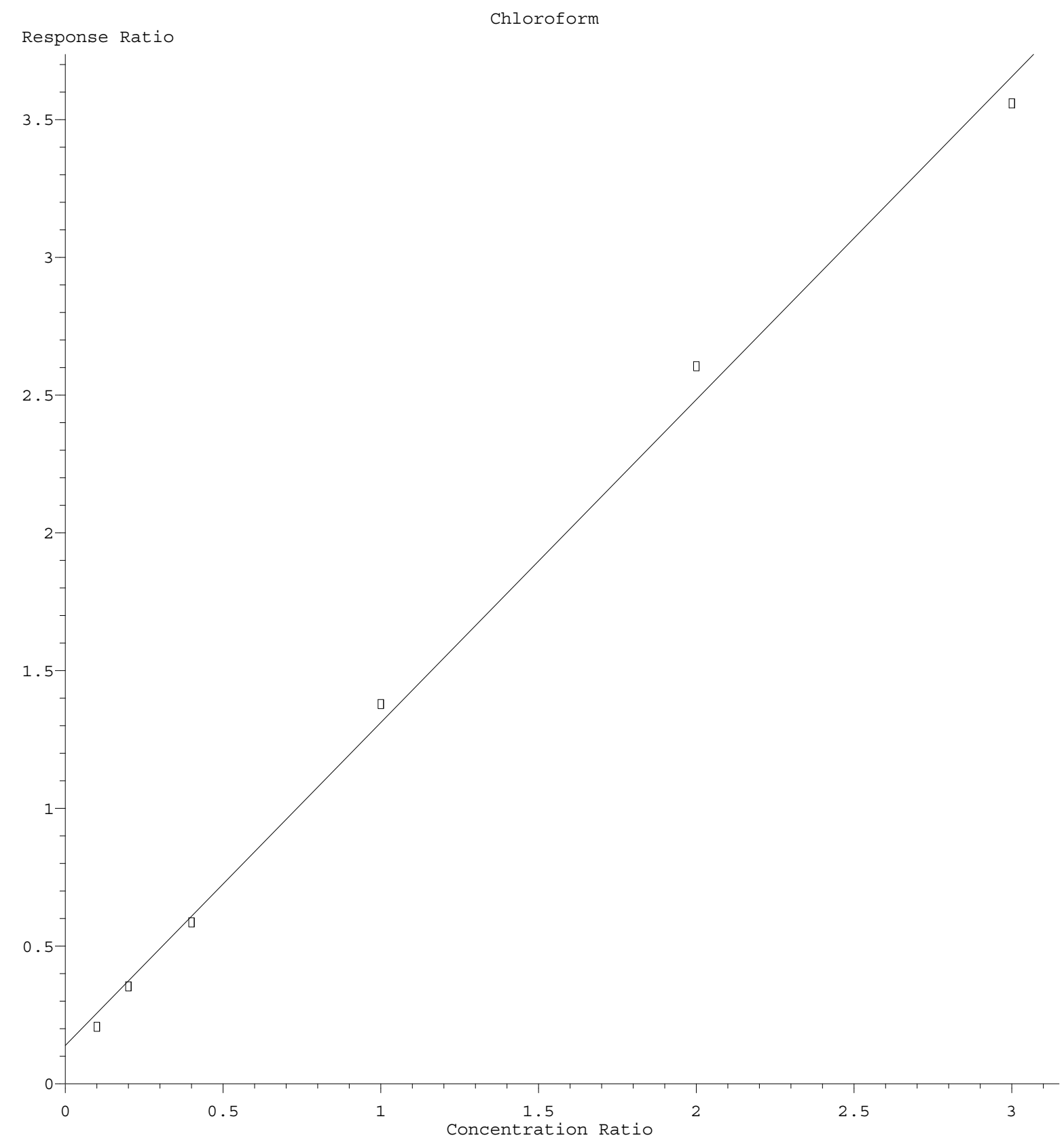
Calibration Files
5 =VY020619.D 10 =VY020613.D 20 =VY020614.D 50 =VY020615.D 100 =VY020616.D 150 =VY020617.D

		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

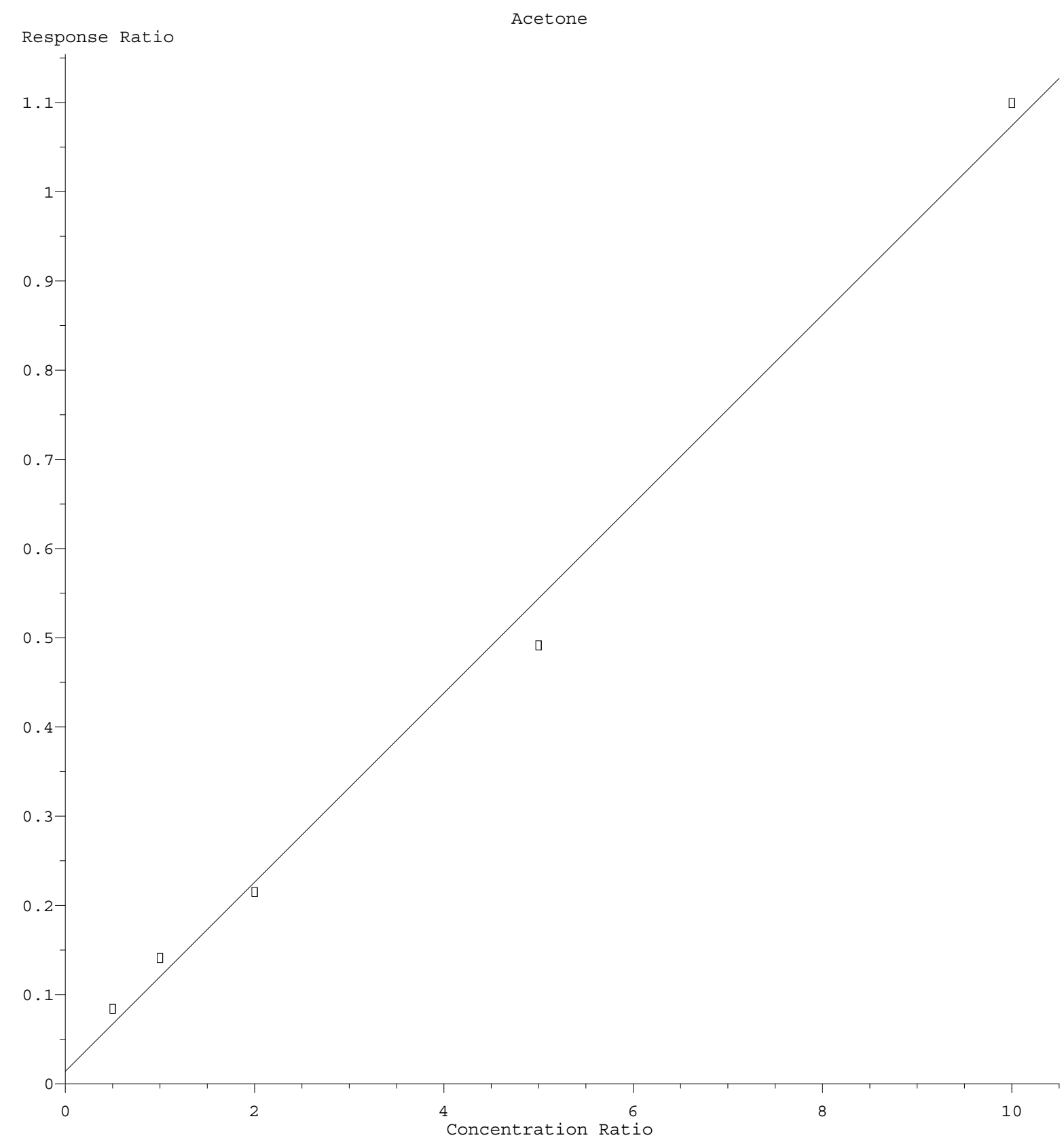
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y121724S.M

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

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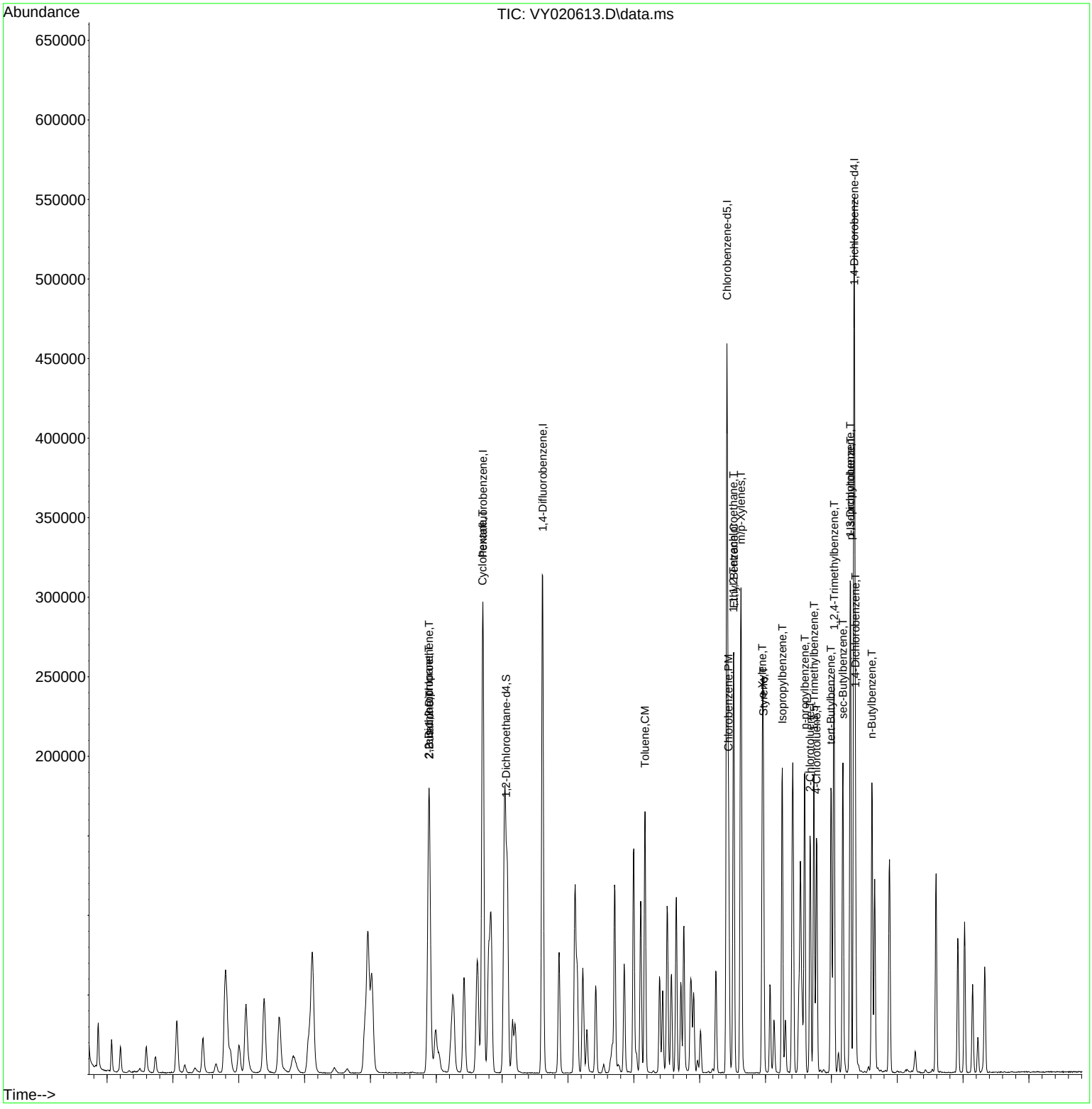
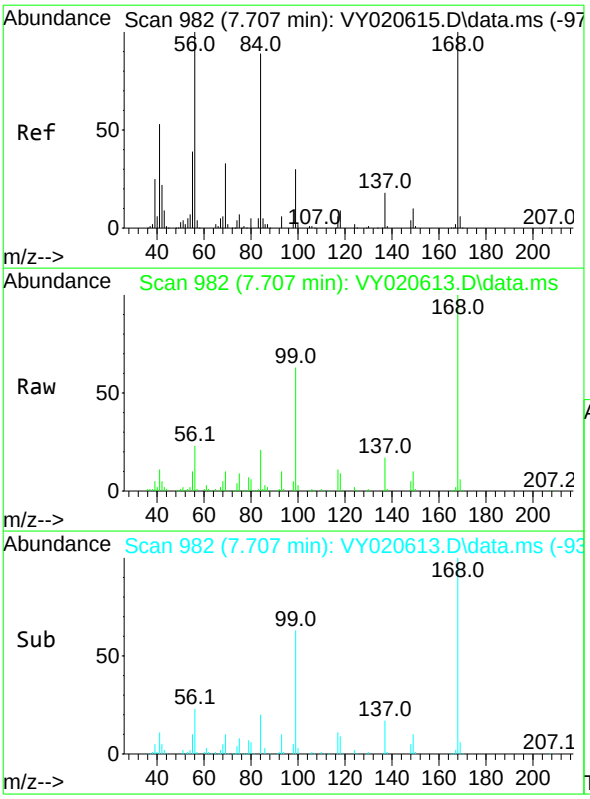
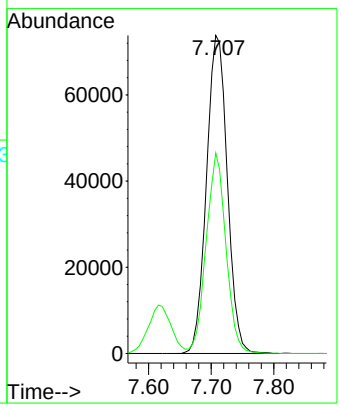




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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
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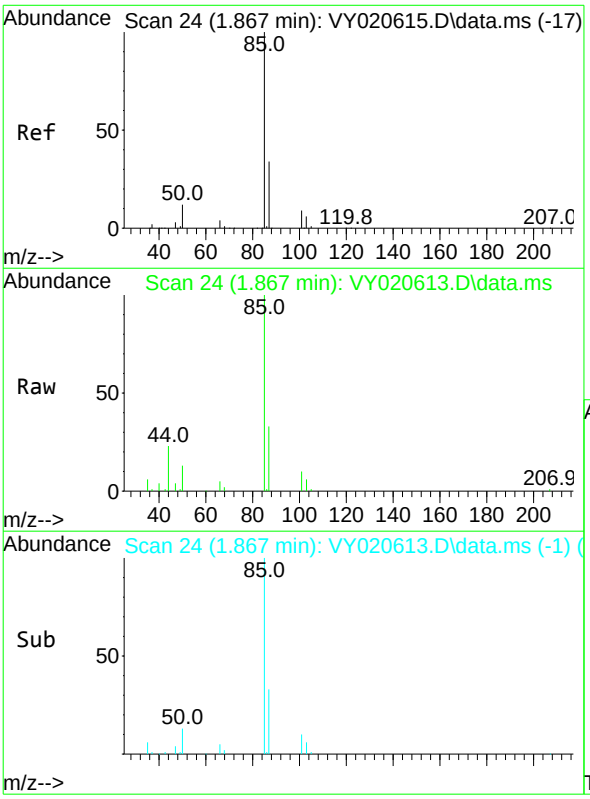
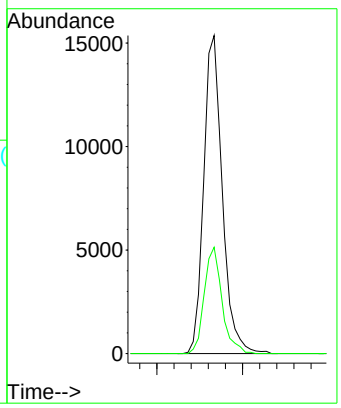
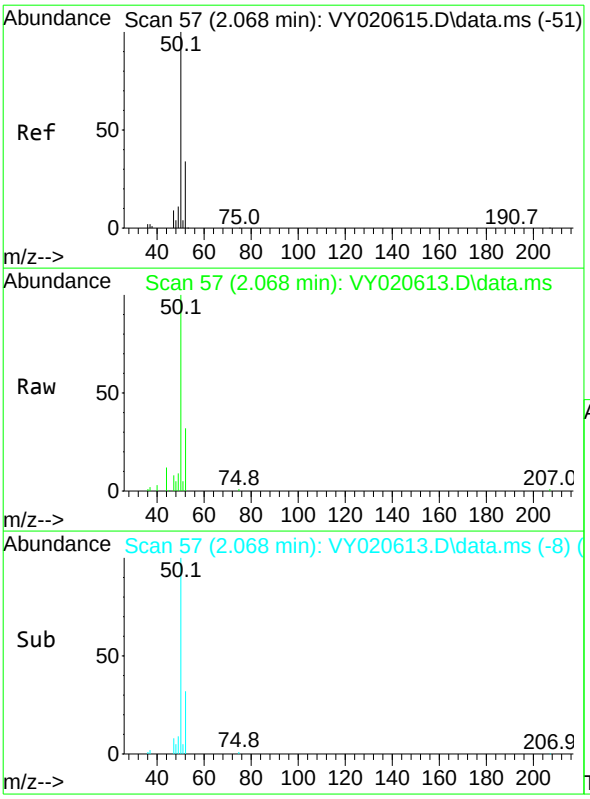


#2
Dichlorodifluoromethane
Concen: 10.857 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 85 Resp: 23136

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3

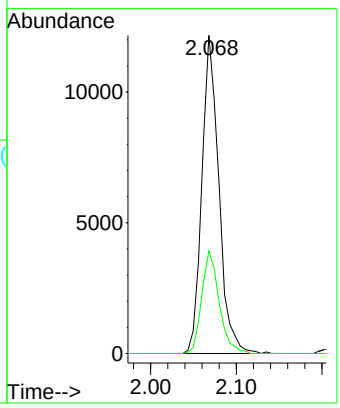




#3
Chloromethane
Concen: 10.599 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 50 Resp: 16735

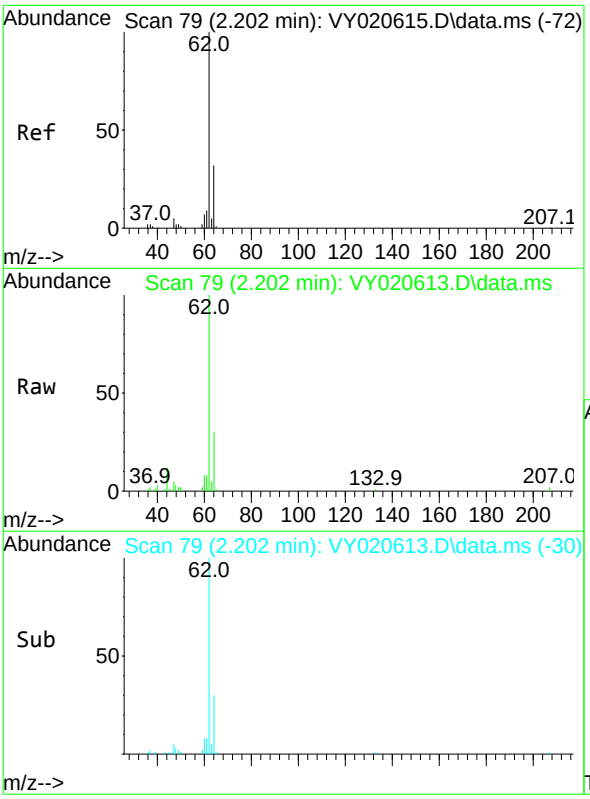
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

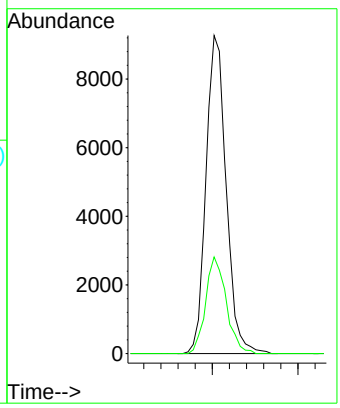
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

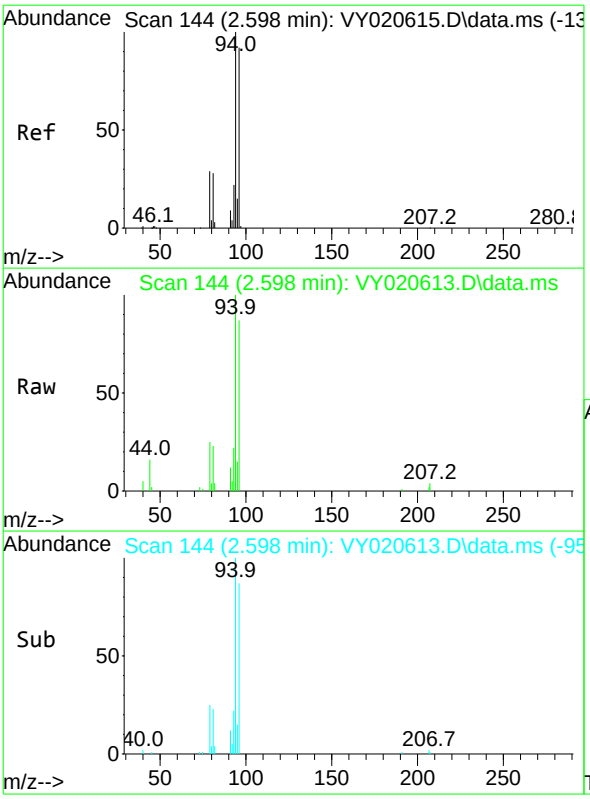


#4
Vinyl Chloride
Concen: 10.297 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 15133

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9

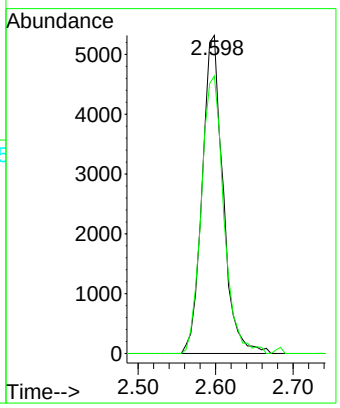




#5
Bromomethane
Concen: 10.516 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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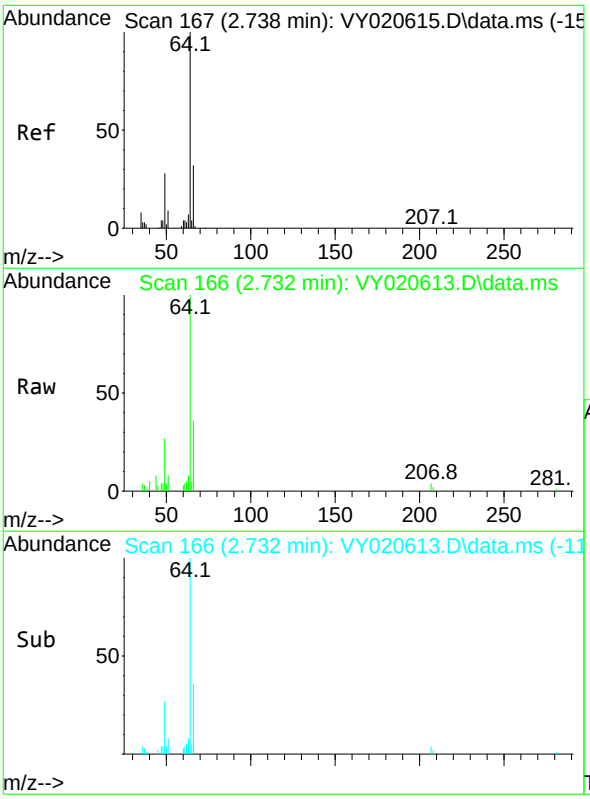
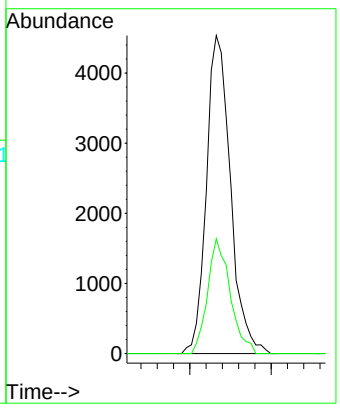
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

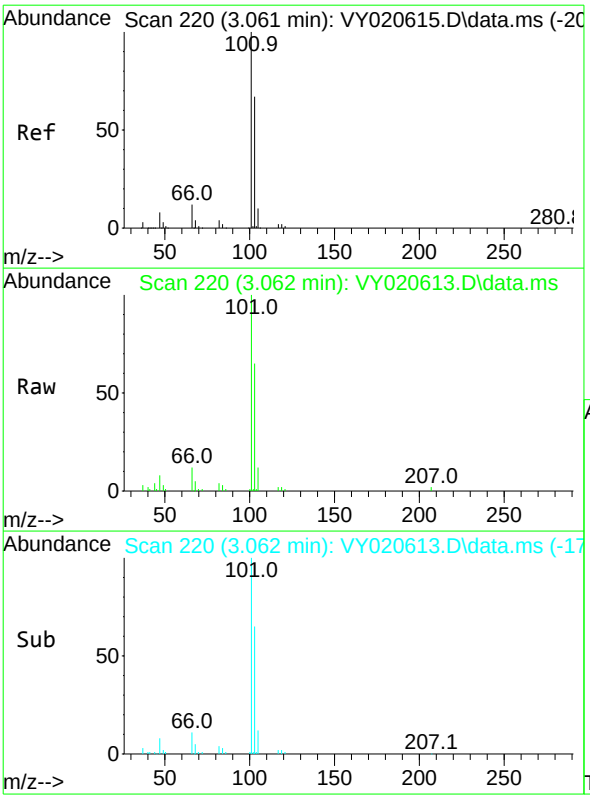


#6
Chloroethane
Concen: 10.249 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 64 Resp: 9308

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.8	38.6

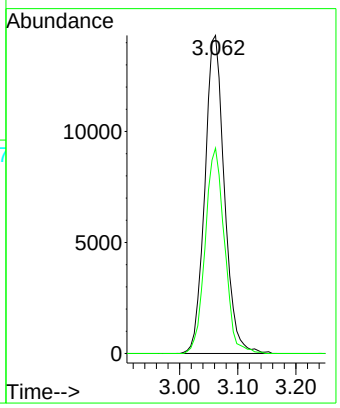




#7
Trichlorofluoromethane
Concen: 10.882 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:101 Resp: 33462

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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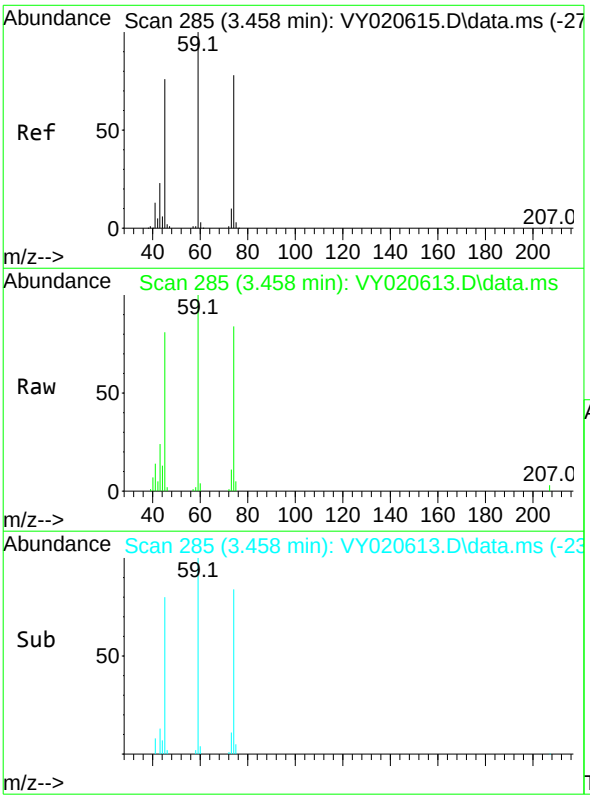
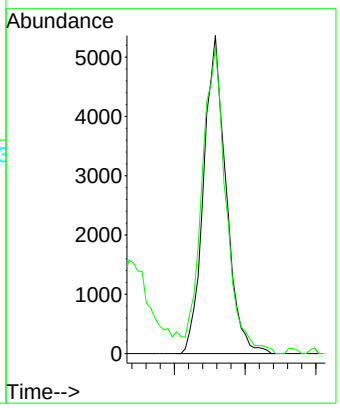
Supervised By :Semsettin Yesilyurt 12/18/2024

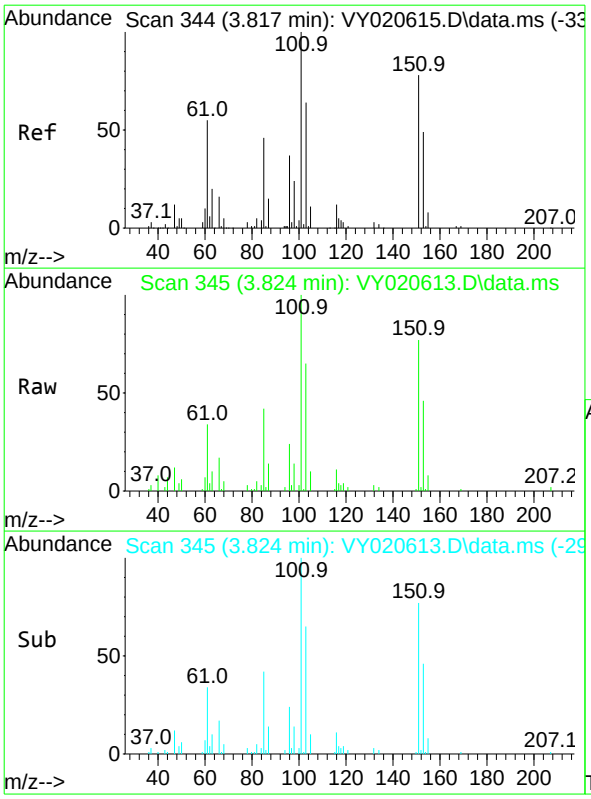


#8
Diethyl Ether
Concen: 10.941 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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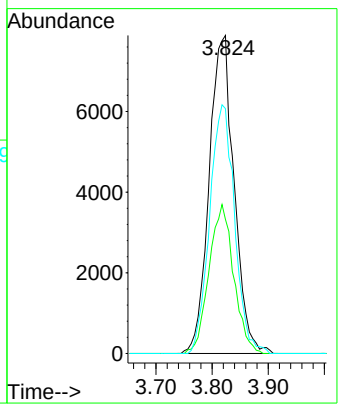
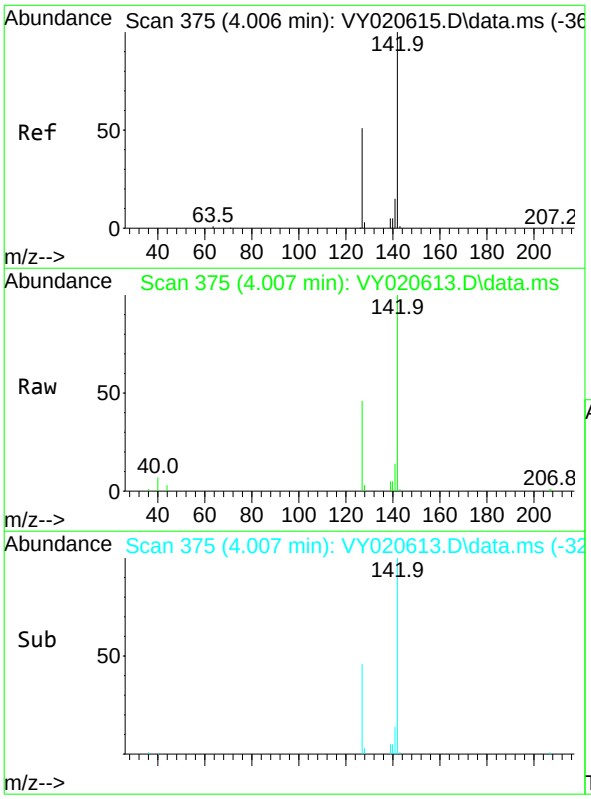
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

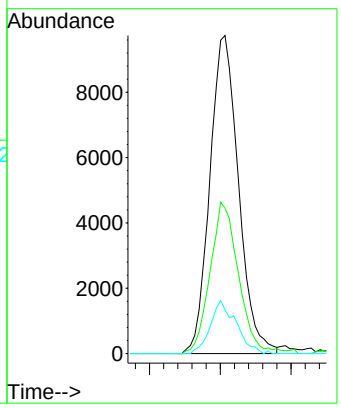


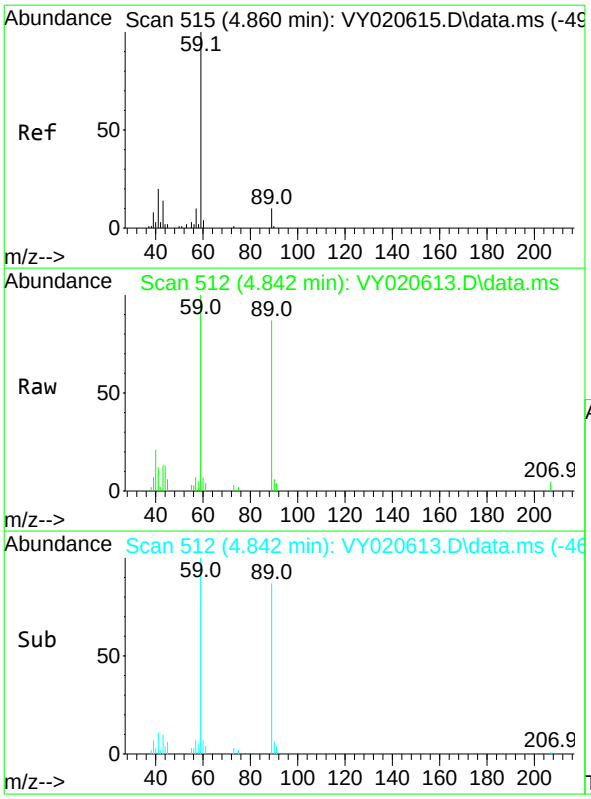


#10
Methyl Iodide
Concen: 11.166 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

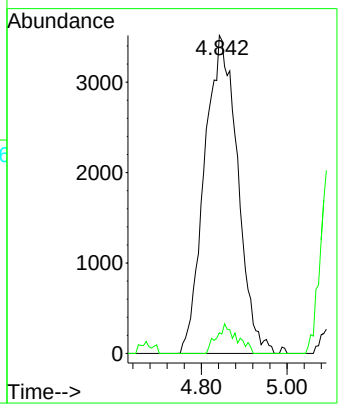




#11
Tert butyl alcohol
Concen: 72.145 ug/l
RT: 4.842 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 59 Resp: 18830

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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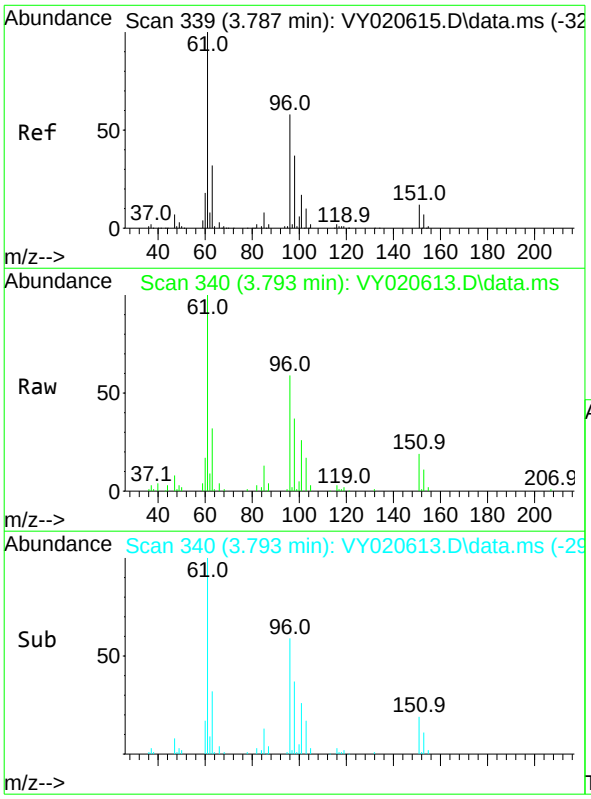
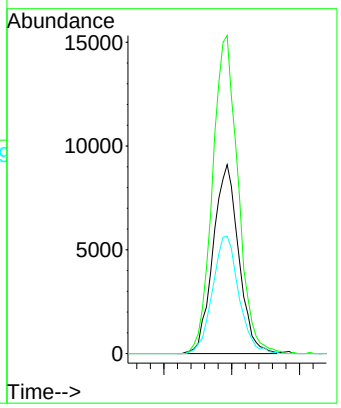
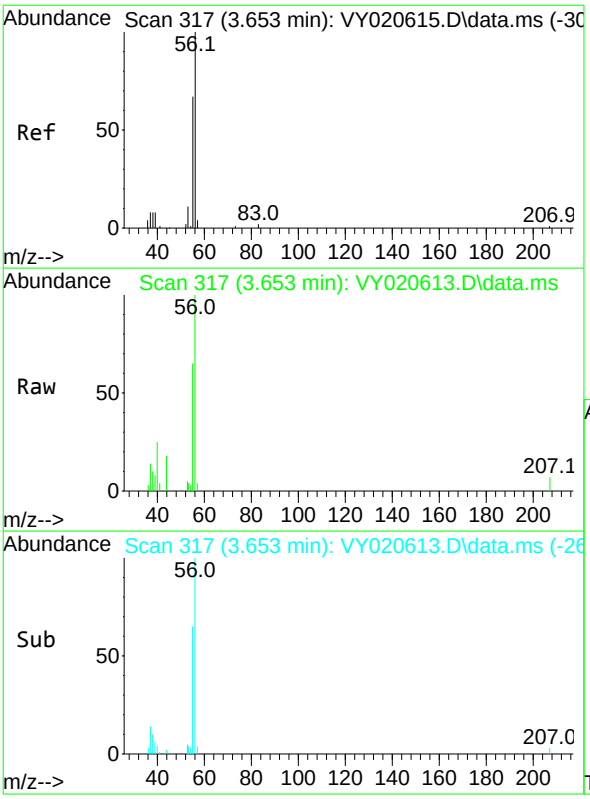


#12
1,1-Dichloroethene
Concen: 11.182 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

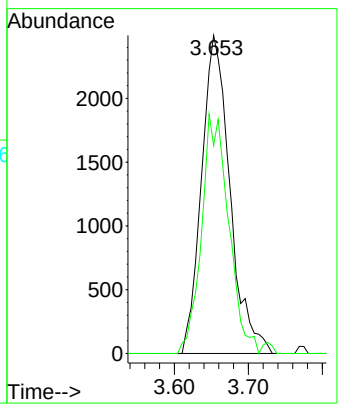




#13
Acrolein
Concen: 75.266 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 56 Resp: 6650

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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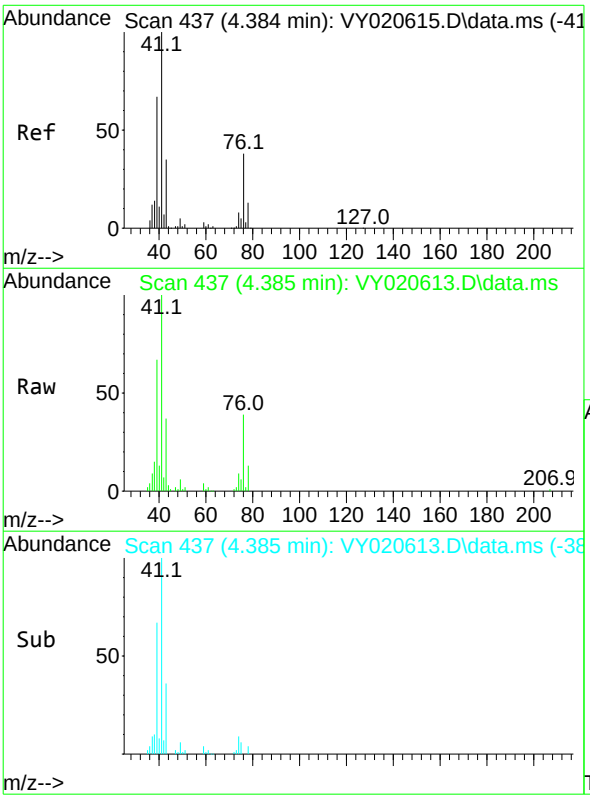
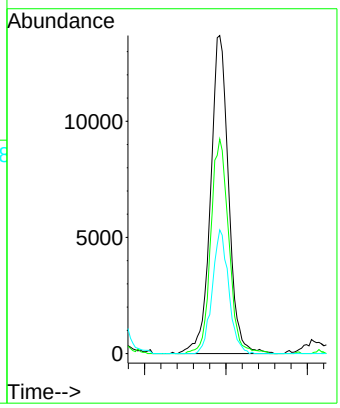
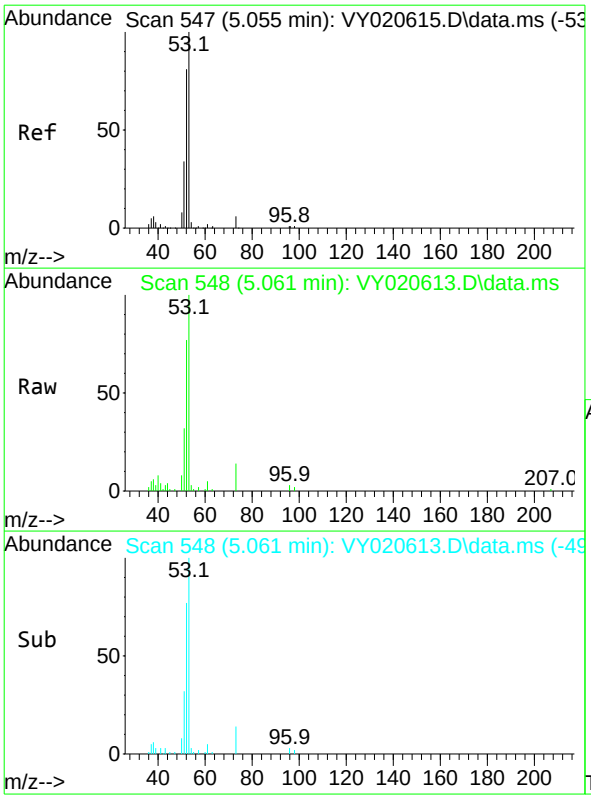


#14
Allyl chloride
Concen: 11.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

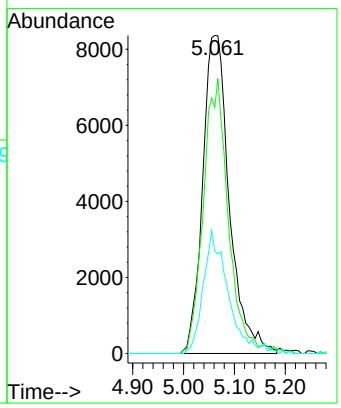




#15
Acrylonitrile
Concen: 59.095 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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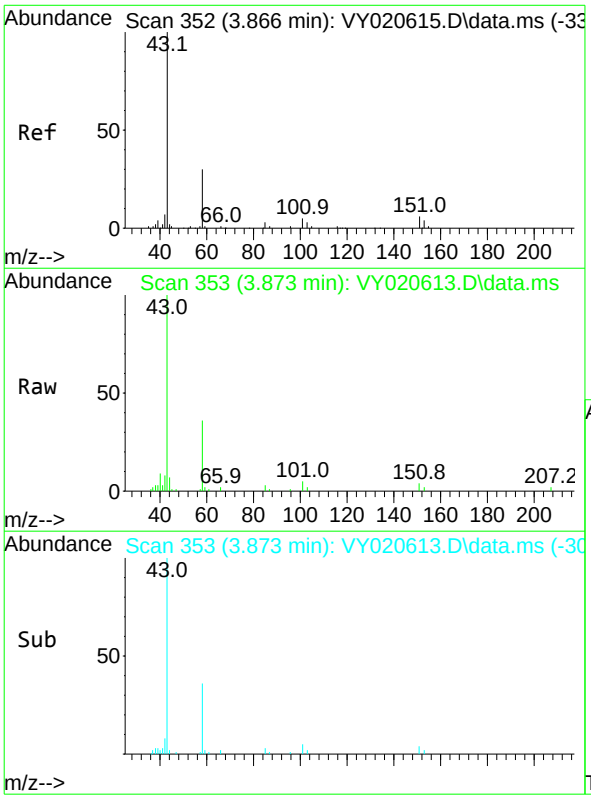
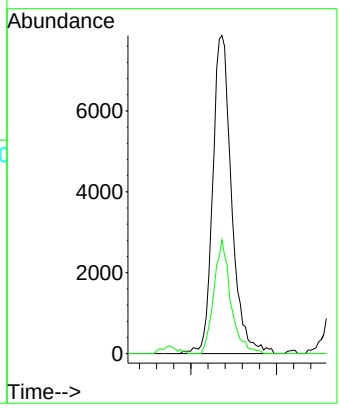
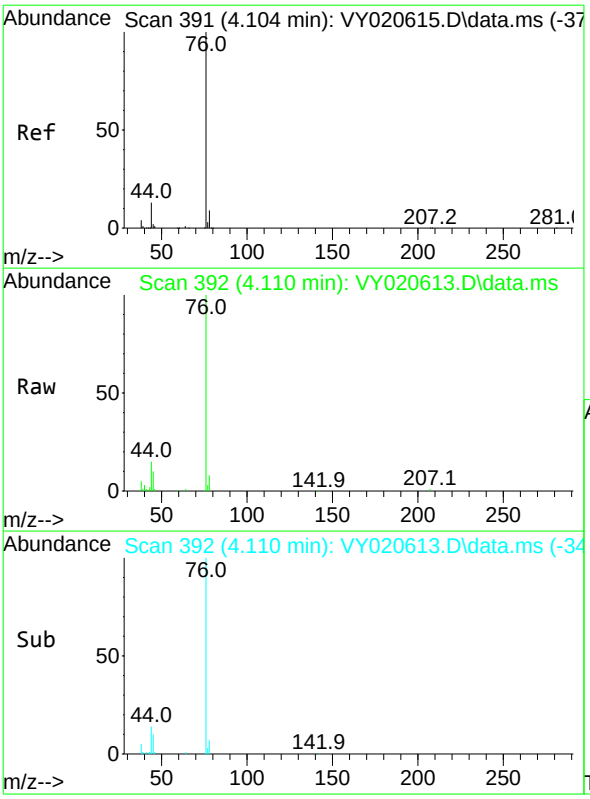


#16
Acetone
Concen: 59.918 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 24059

Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.0	37.6

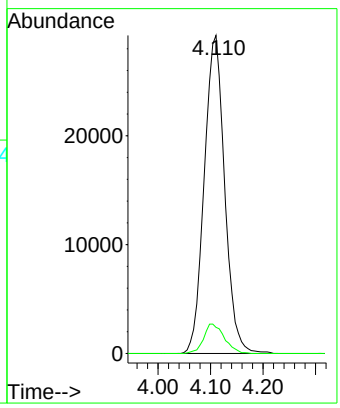




#17
Carbon Disulfide
Concen: 11.348 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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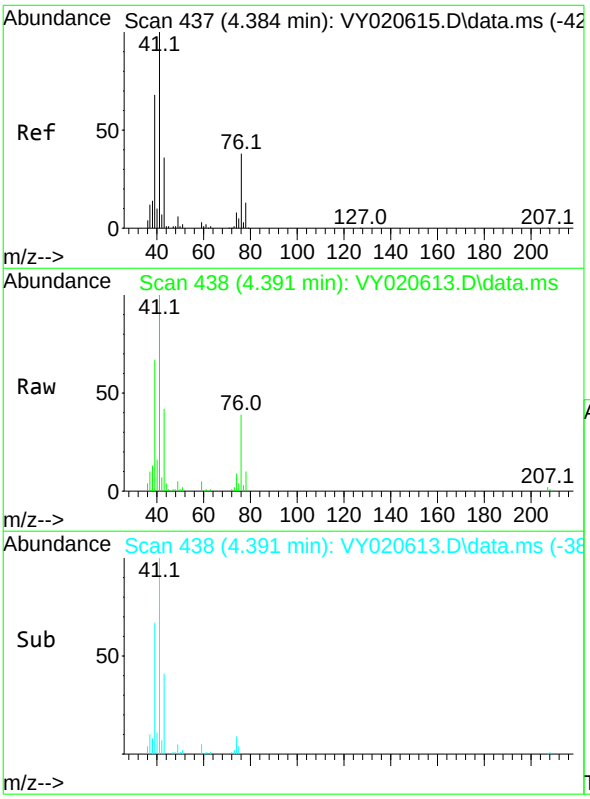
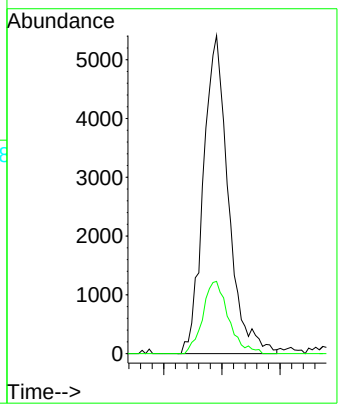
Supervised By :Semsettin Yesilyurt 12/18/2024

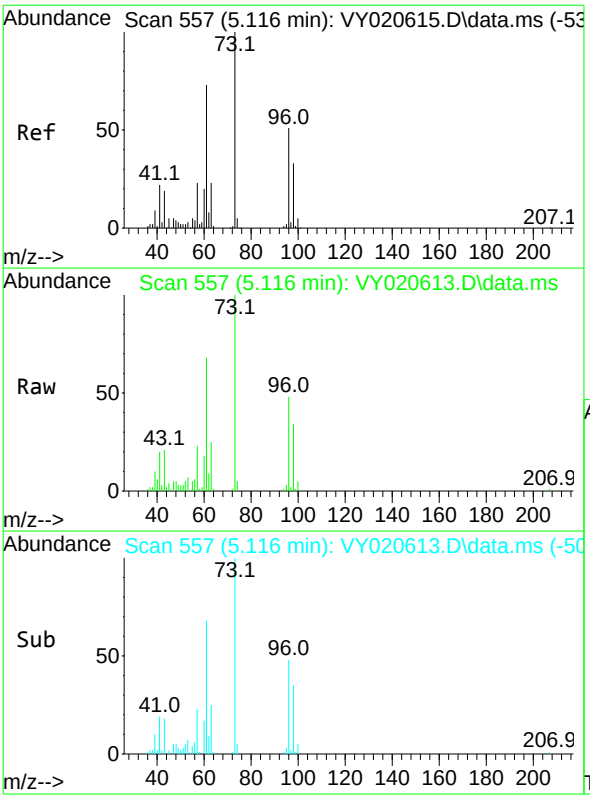


#18
Methyl Acetate
Concen: 12.714 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 16164

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8

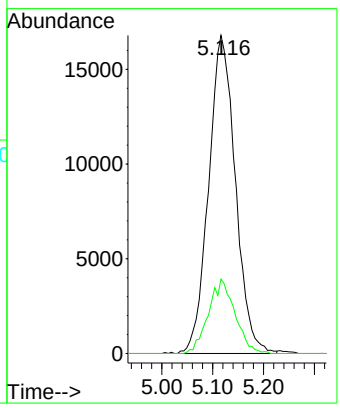




#19
Methyl tert-butyl Ether
Concen: 11.118 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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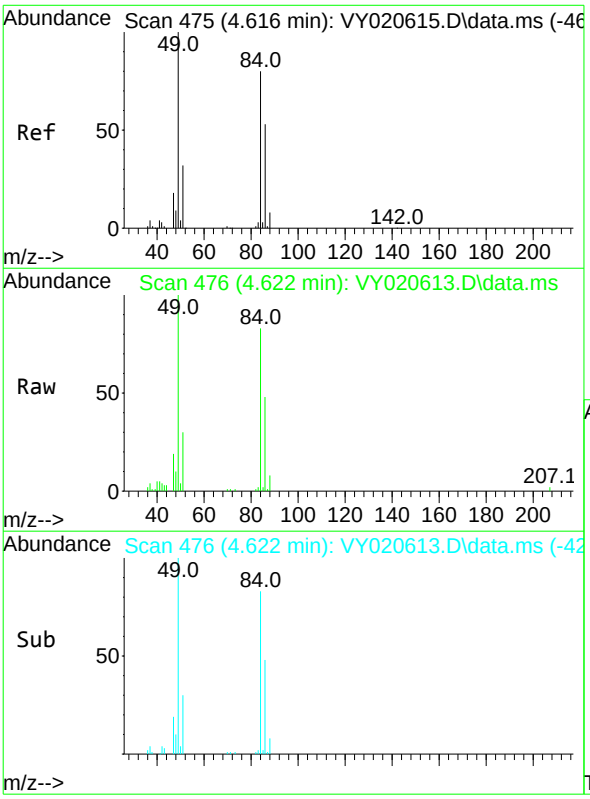
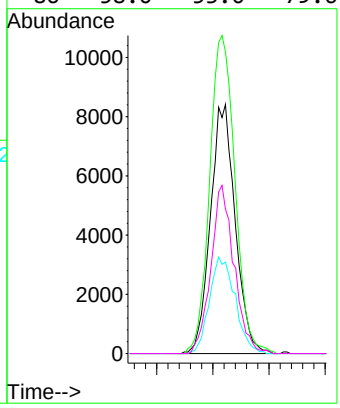
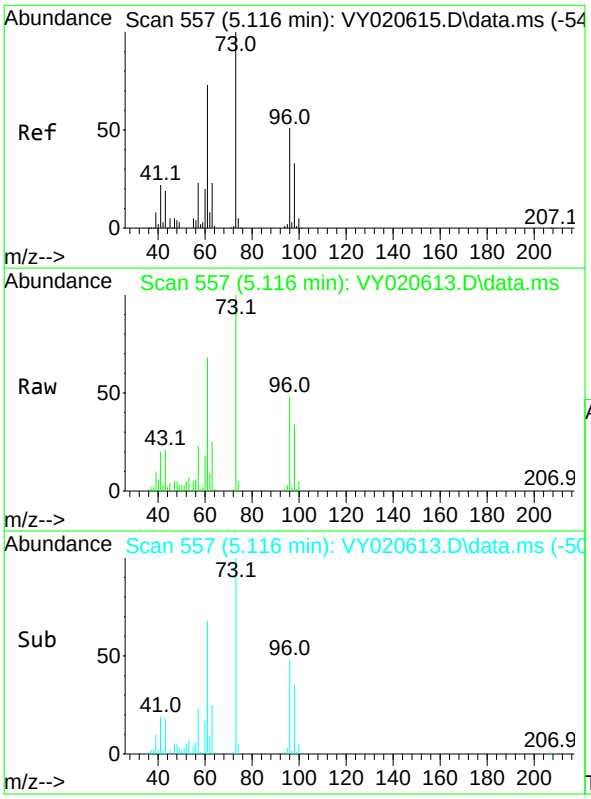


#20
Methylene Chloride
Concen: 11.126 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

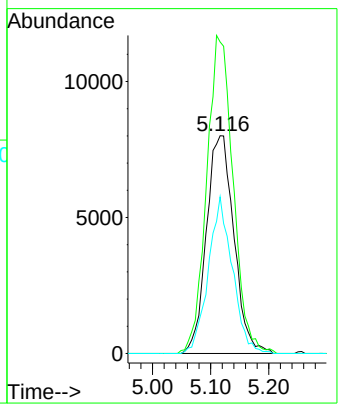




#21
trans-1,2-Dichloroethene
Concen: 10.969 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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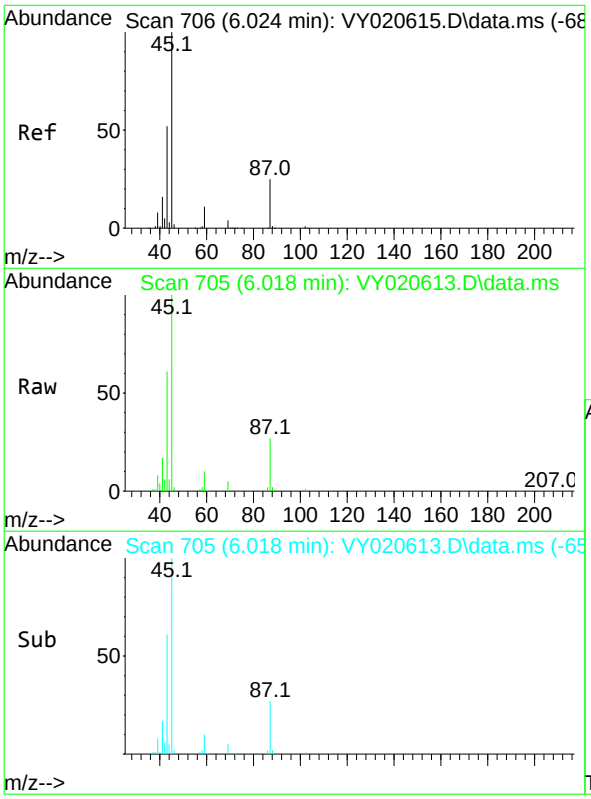
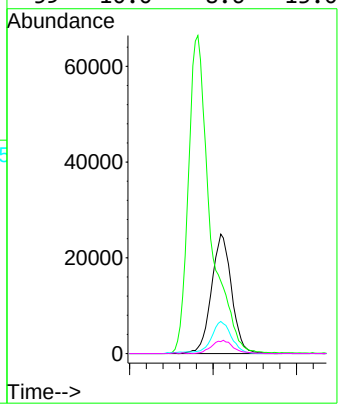
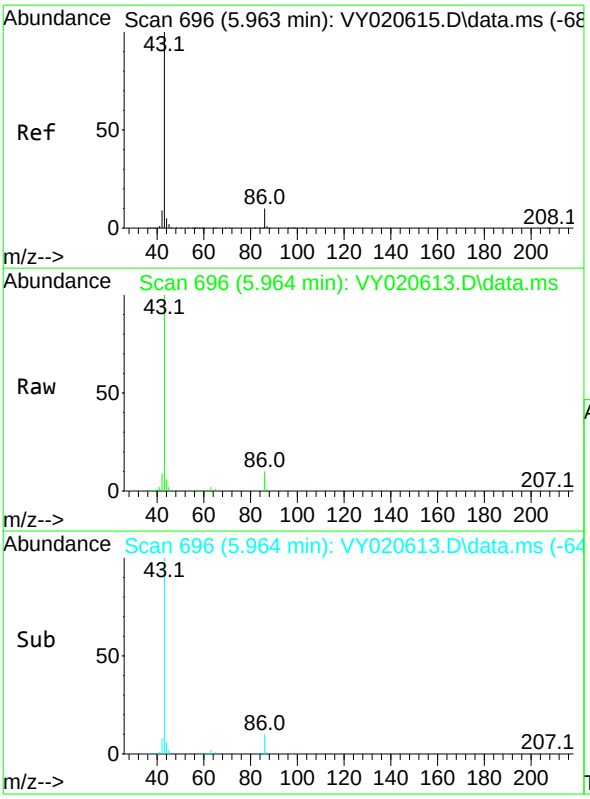


#22
Diisopropyl ether
Concen: 10.997 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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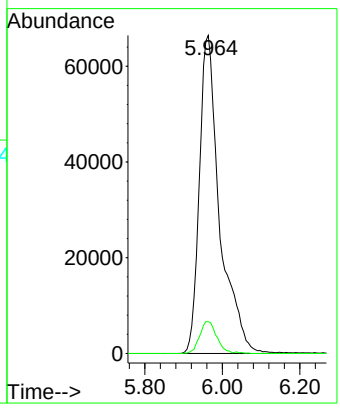
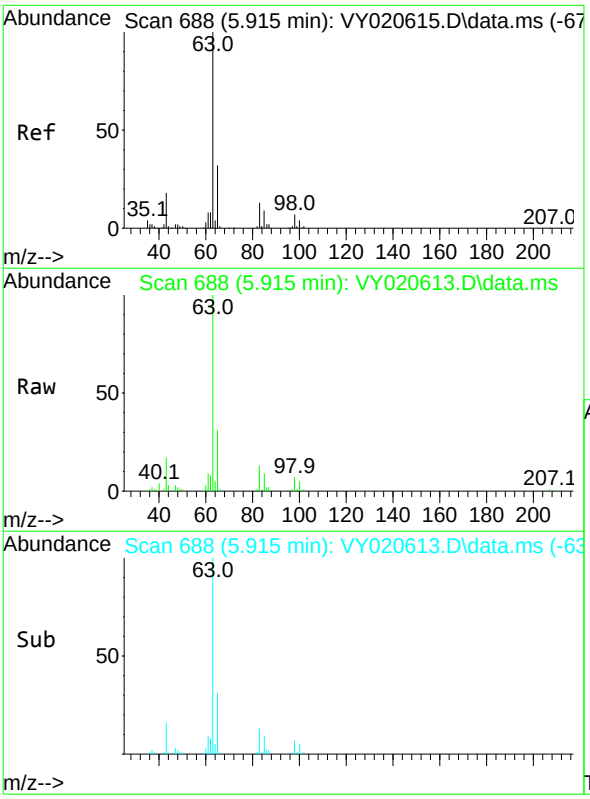
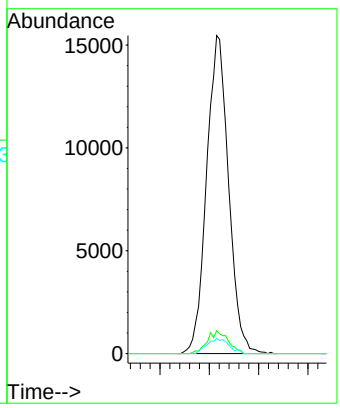


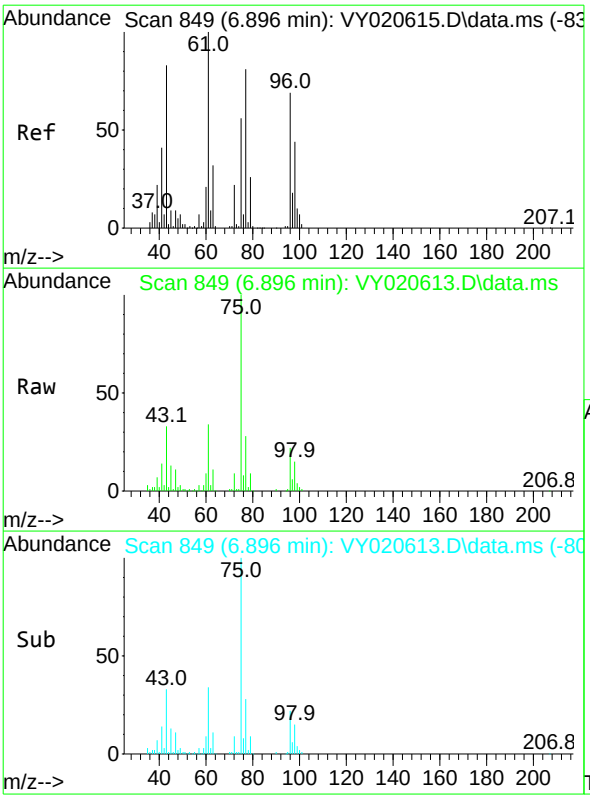


#24
1,1-Dichloroethane
Concen: 10.728 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

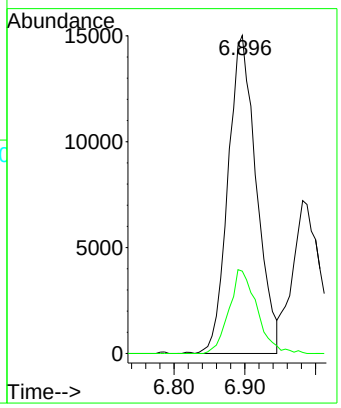




#25
2-Butanone
Concen: 60.169 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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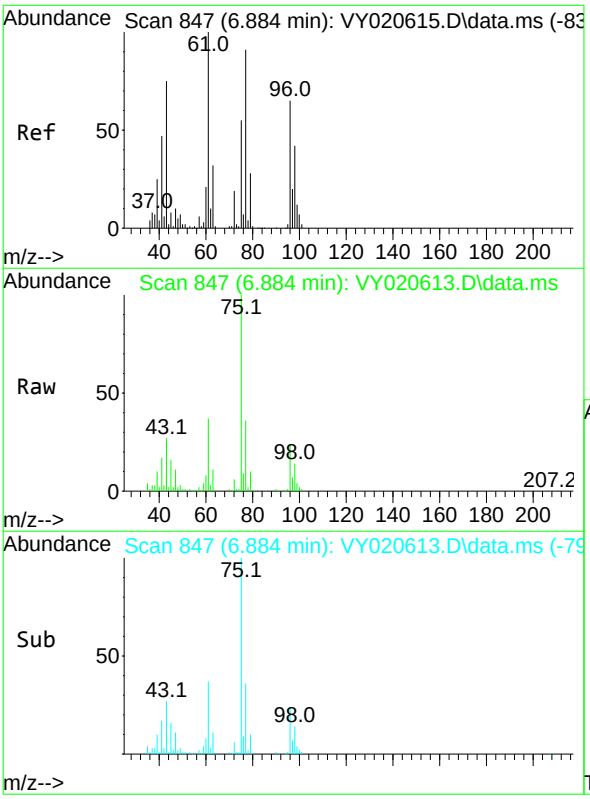
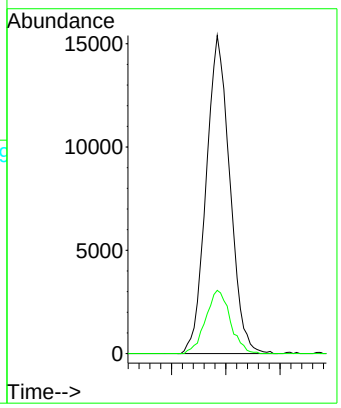
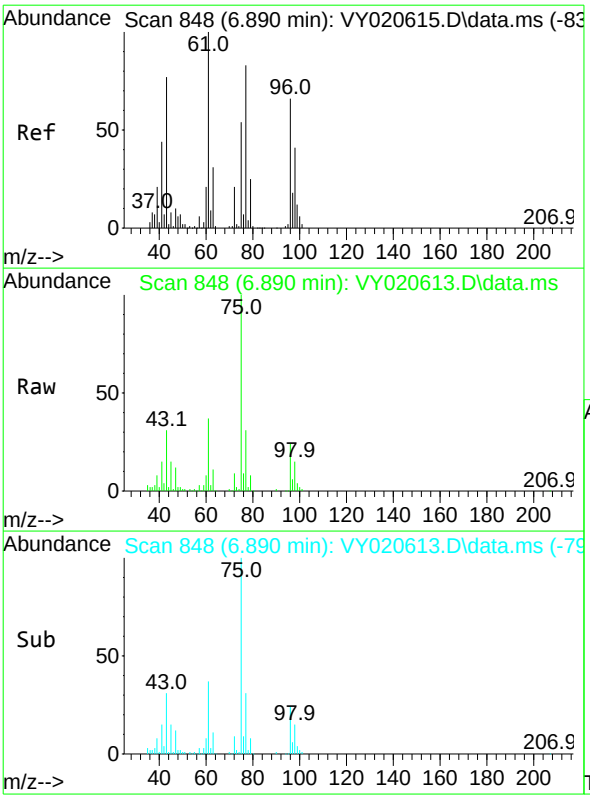


#26
2,2-Dichloropropane
Concen: 11.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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 :
VSTDICC010

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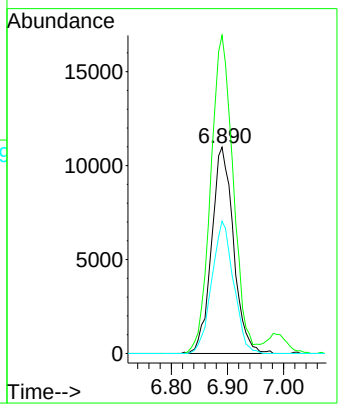
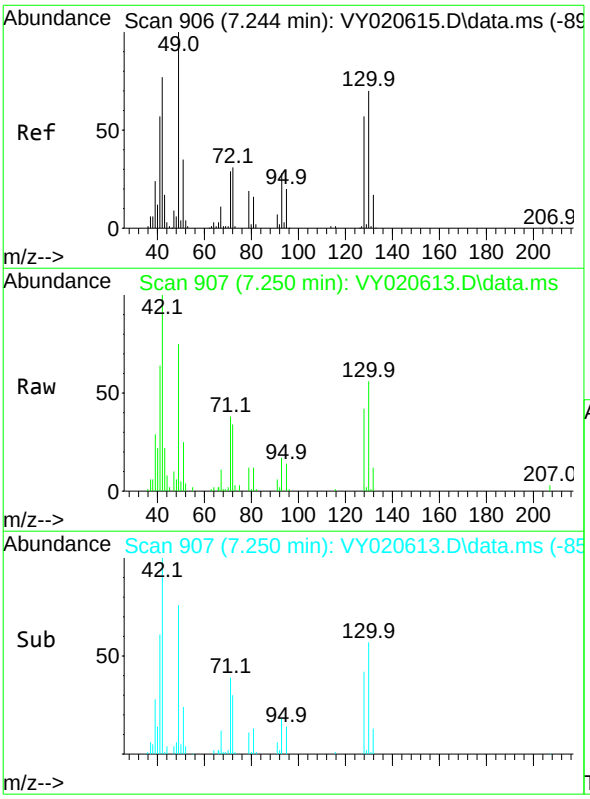
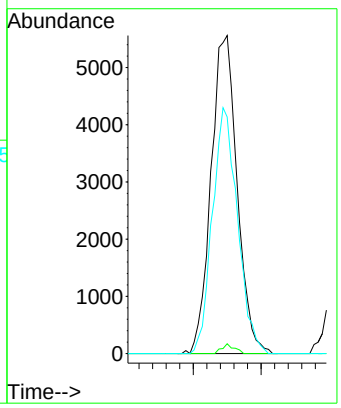


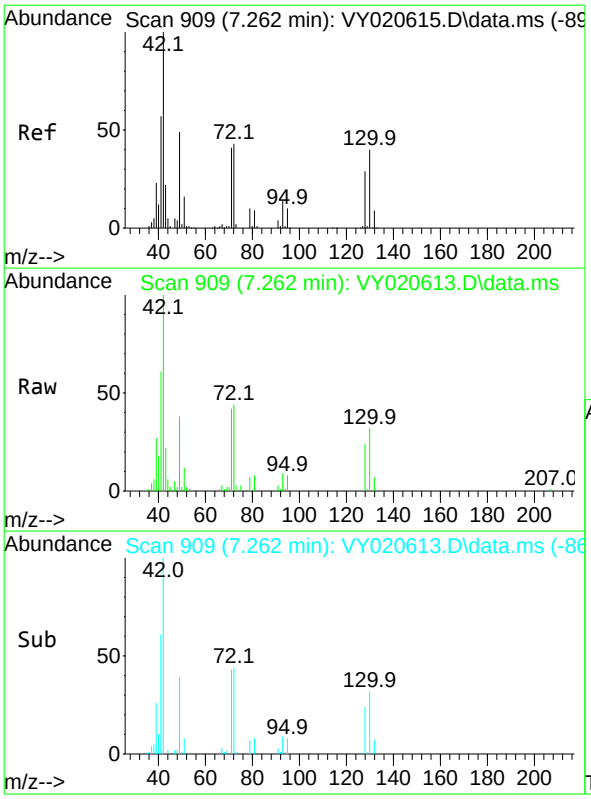


#28
Bromochloromethane
Concen: 9.894 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

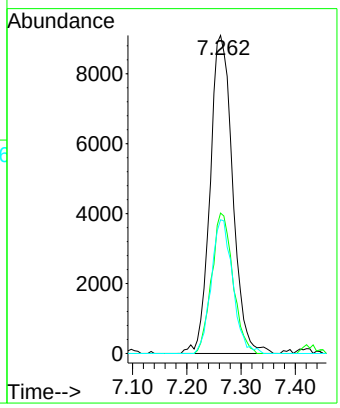




#29
Tetrahydrofuran
Concen: 59.842 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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 :
MSVOA_Y
ClientSampleId :
VSTDICC010

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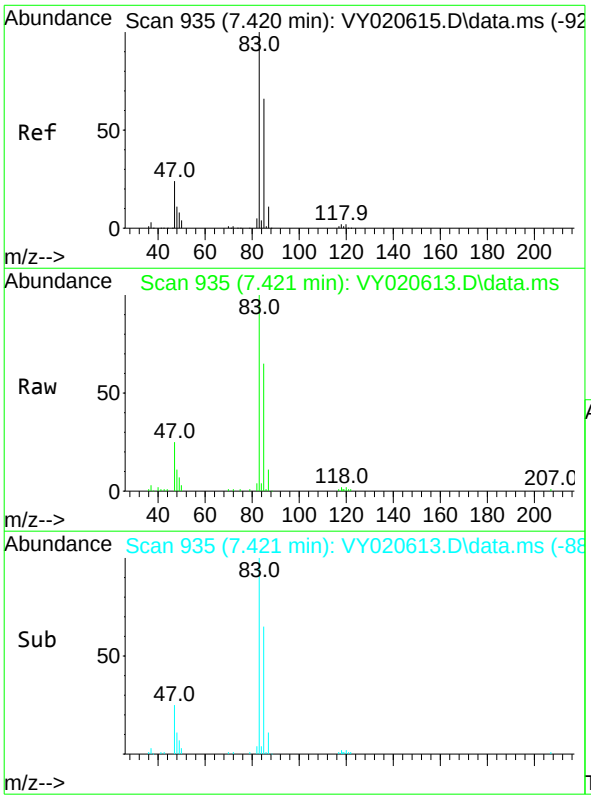
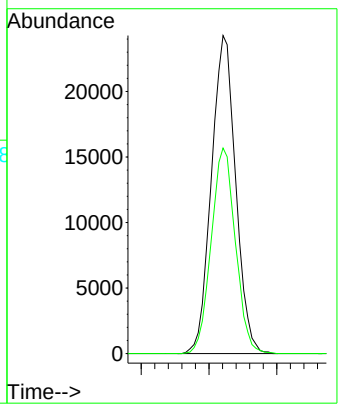
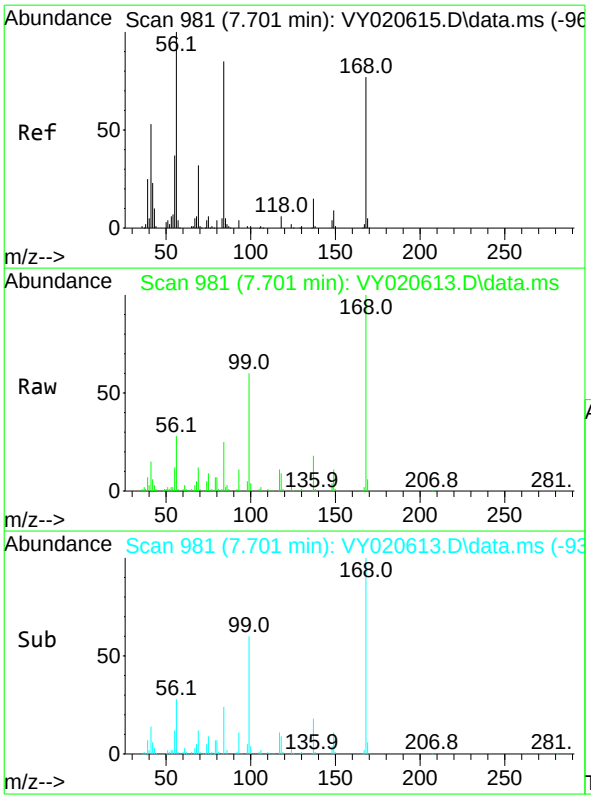


#30
Chloroform
Concen: 9.156 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 60327

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1

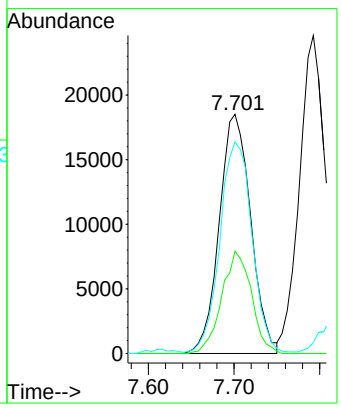




#31
Cyclohexane
Concen: 11.117 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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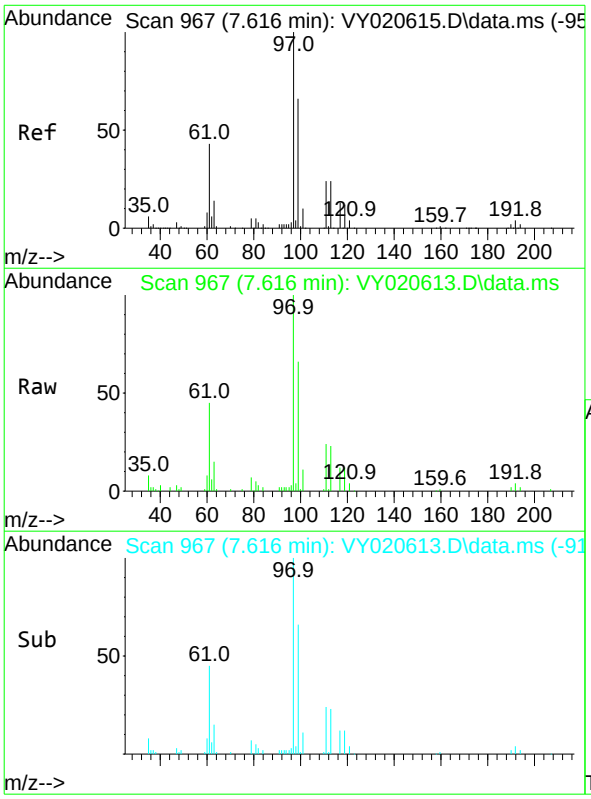
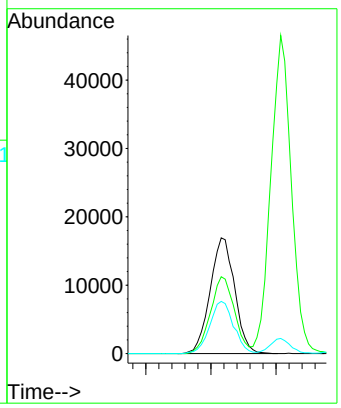
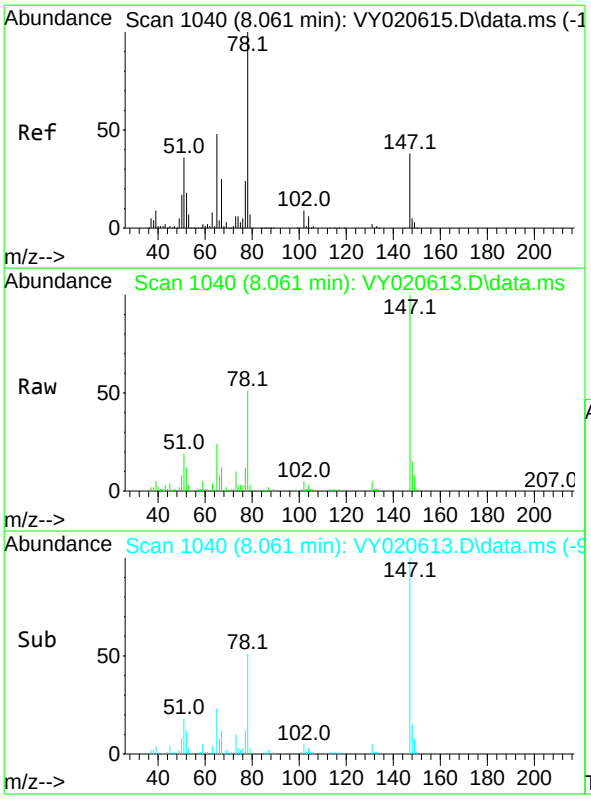


#32
1,1,1-Trichloroethane
Concen: 10.820 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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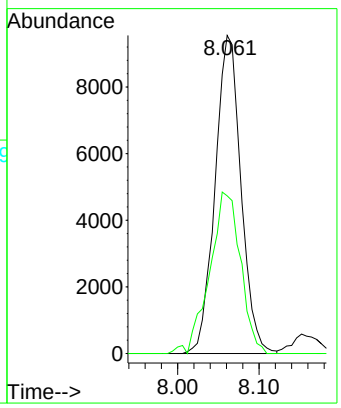
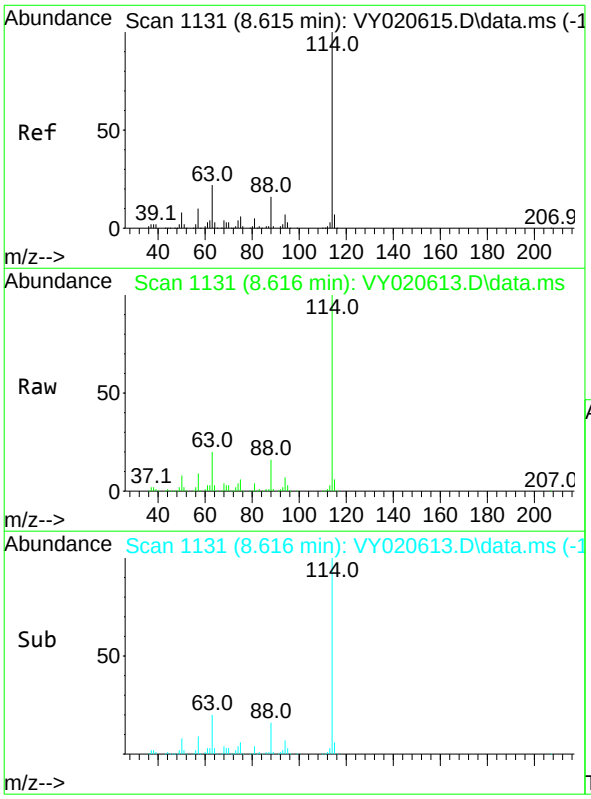
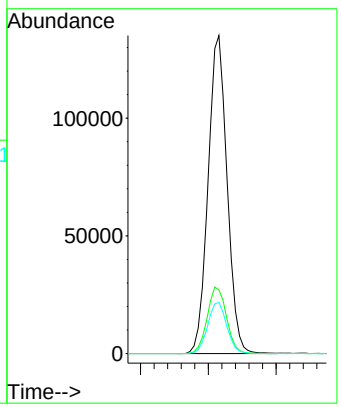


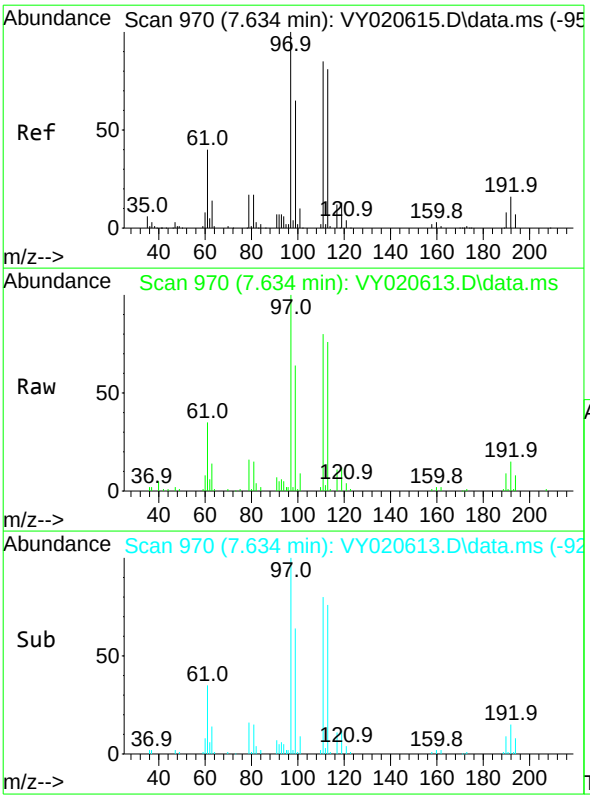


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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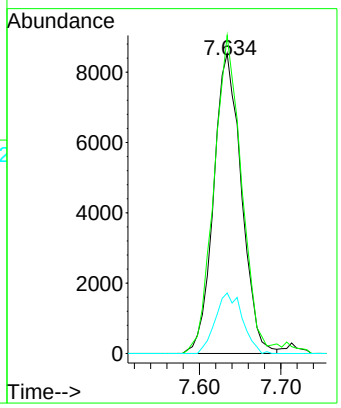
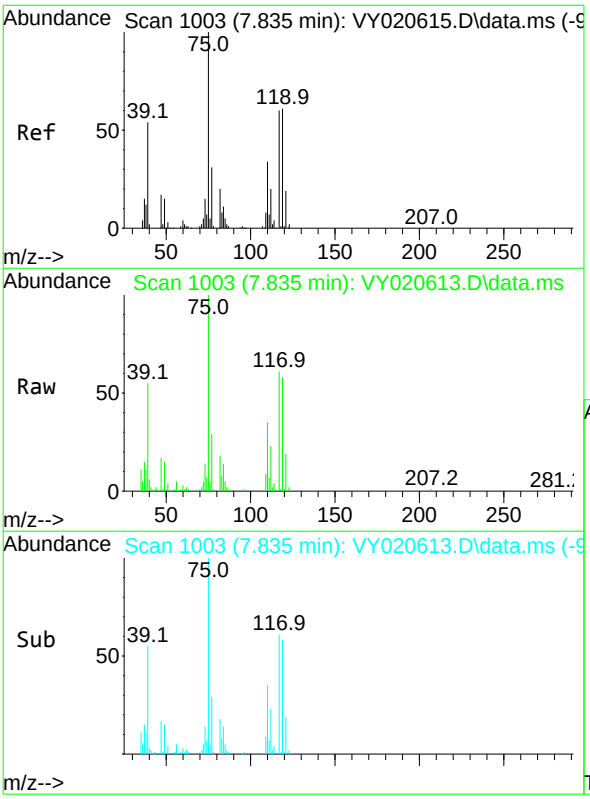
Supervised By :Semsettin Yesilyurt 12/18/2024

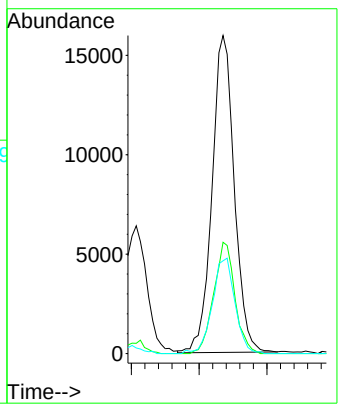


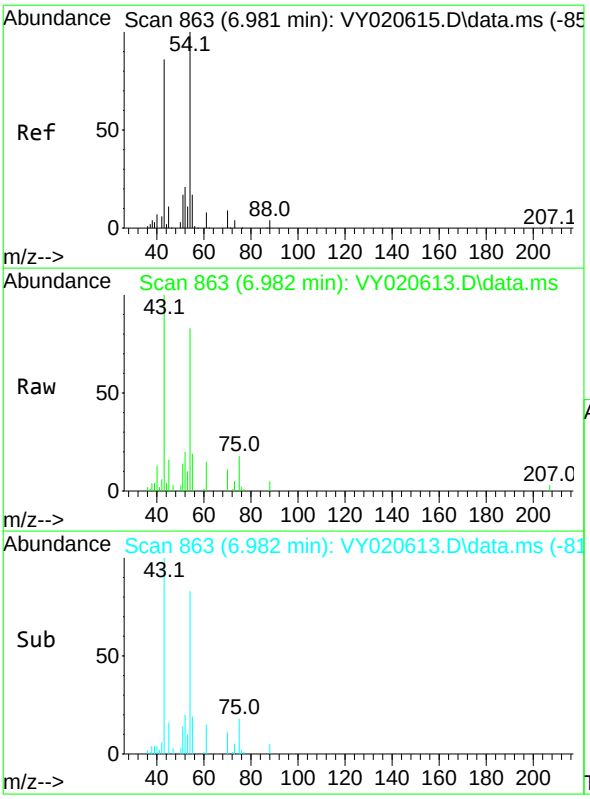


#36
1,1-Dichloropropene
Concen: 10.748 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

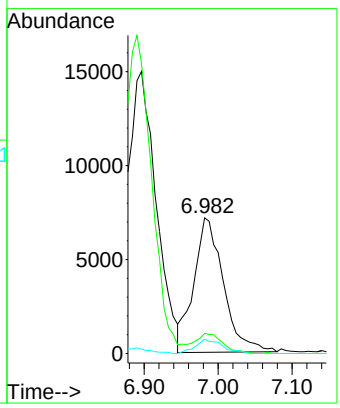




#37
Ethyl Acetate
Concen: 12.541 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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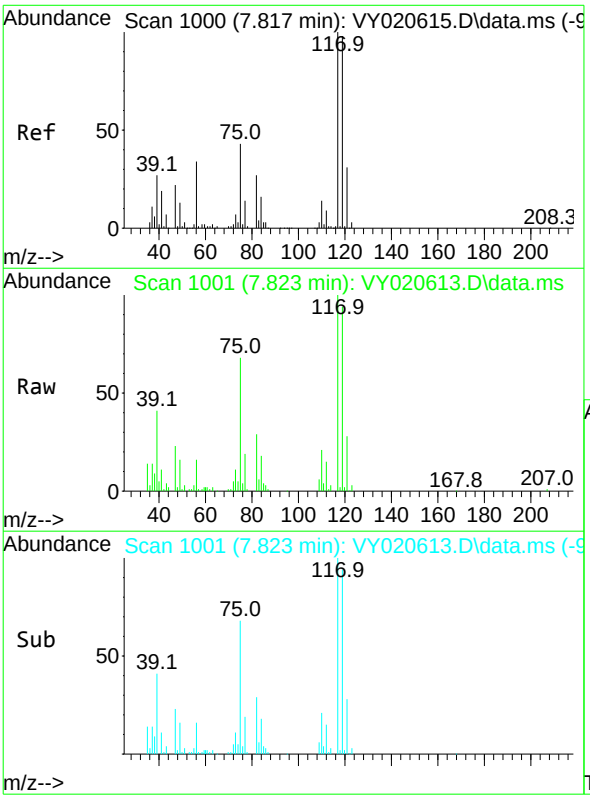
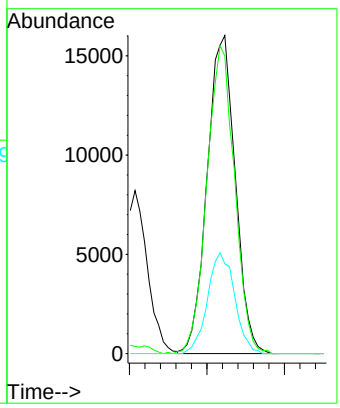
Supervised By :Semsettin Yesilyurt 12/18/2024

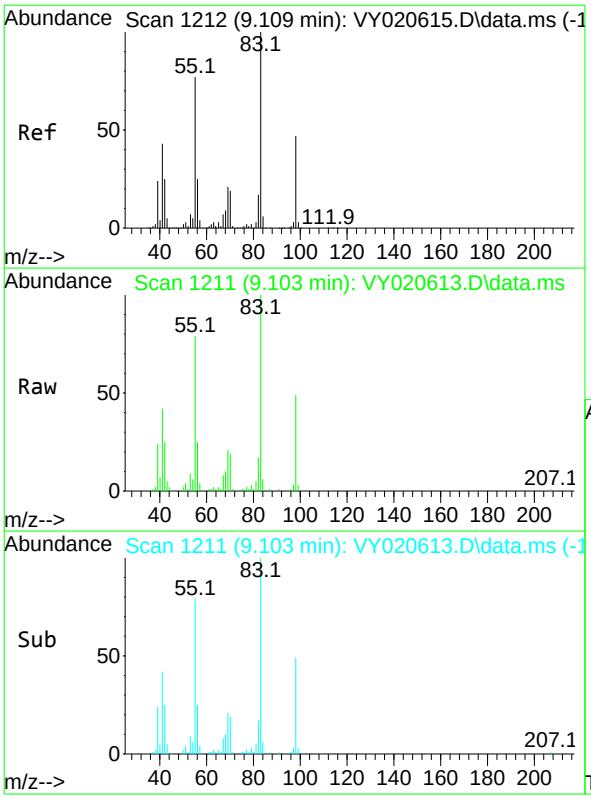


#38
Carbon Tetrachloride
Concen: 10.796 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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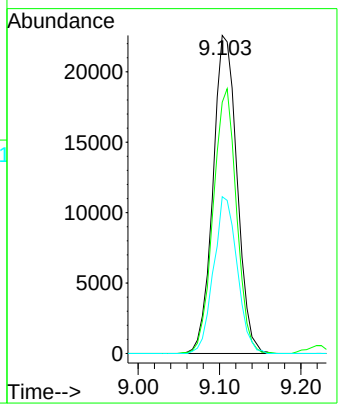
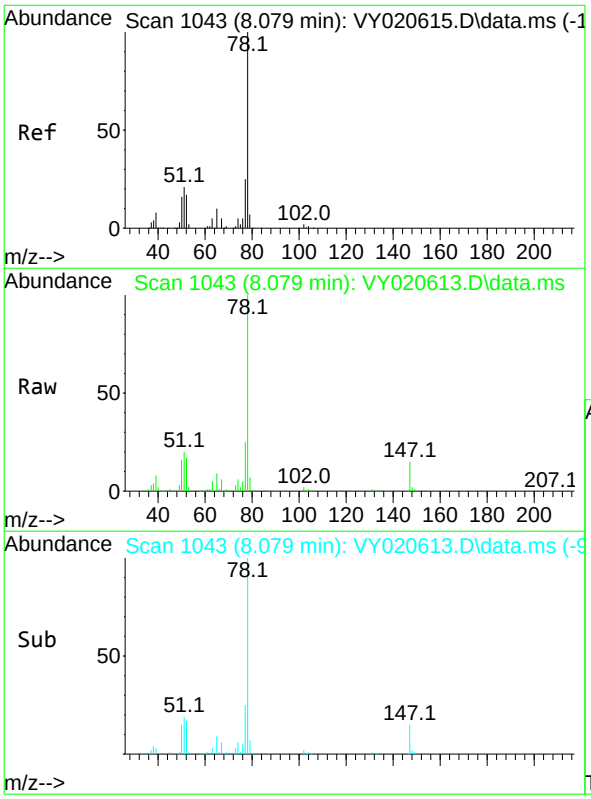
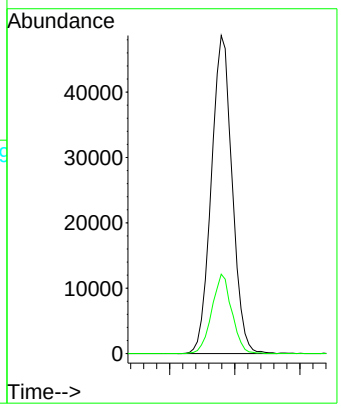


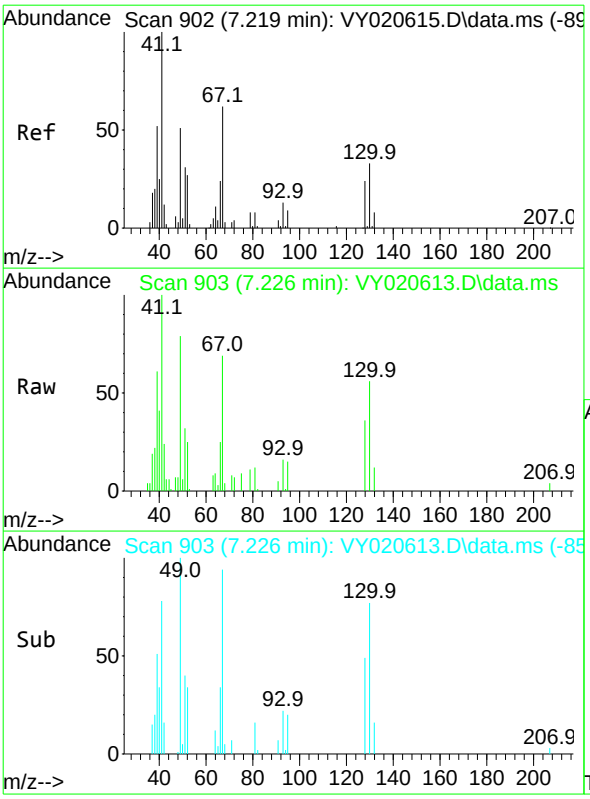


#40
Benzene
Concen: 10.910 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 78 Resp: 108150

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1

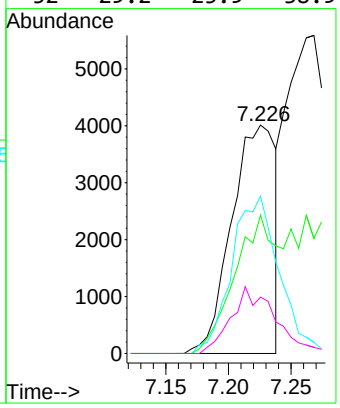




#41
Methacrylonitrile
Concen: 11.653 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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 :
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ClientSampleId :
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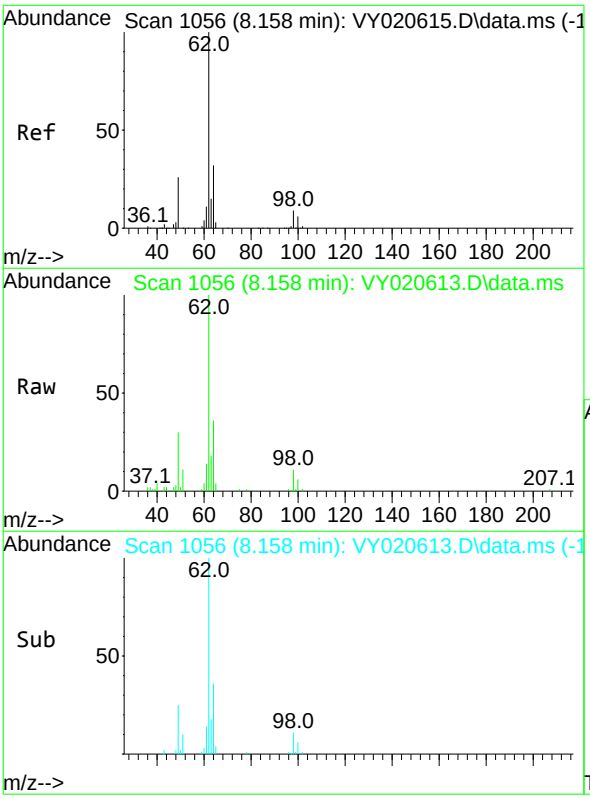
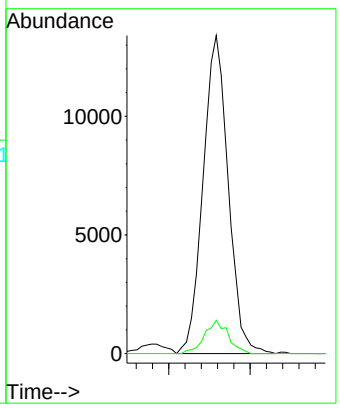
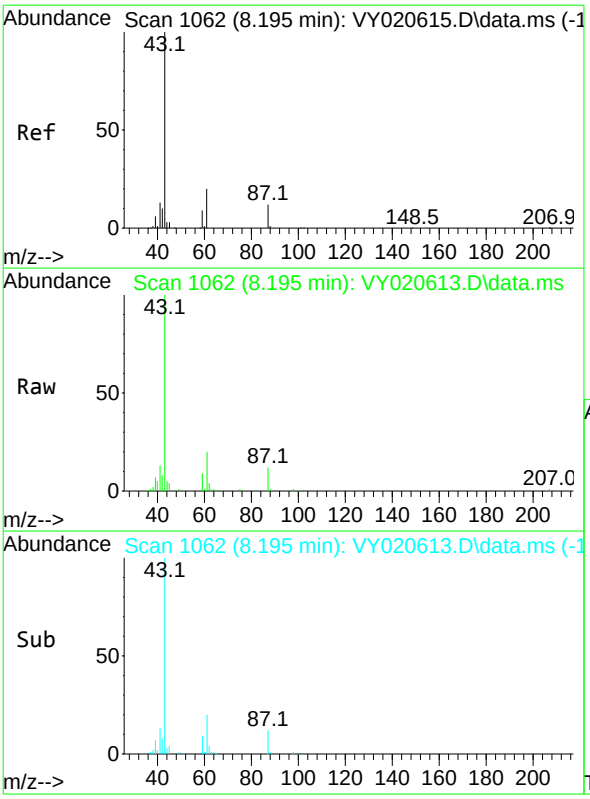


#42
1,2-Dichloroethane
Concen: 10.931 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 28739

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.0

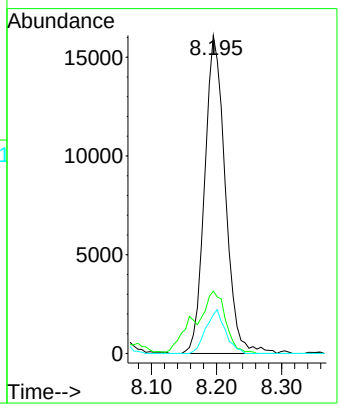




#43
Isopropyl Acetate
Concen: 11.721 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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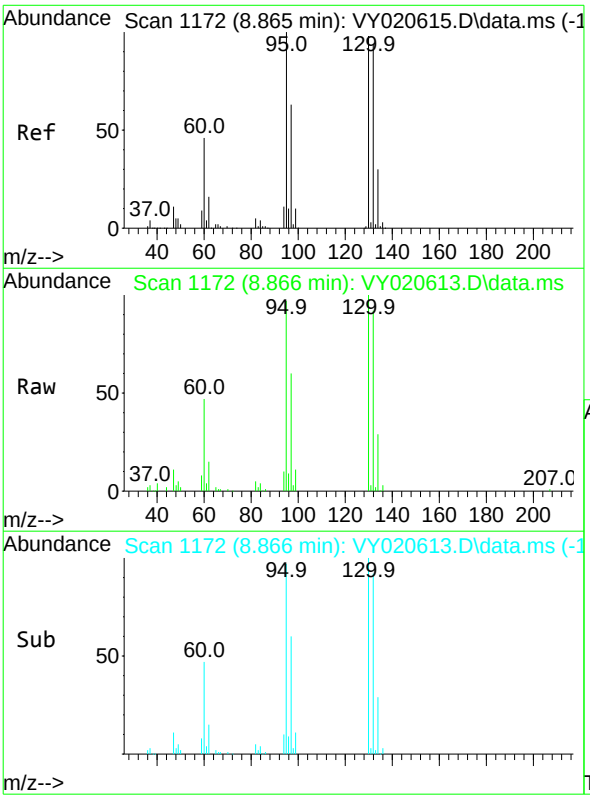
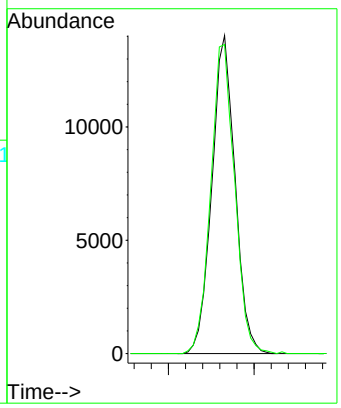
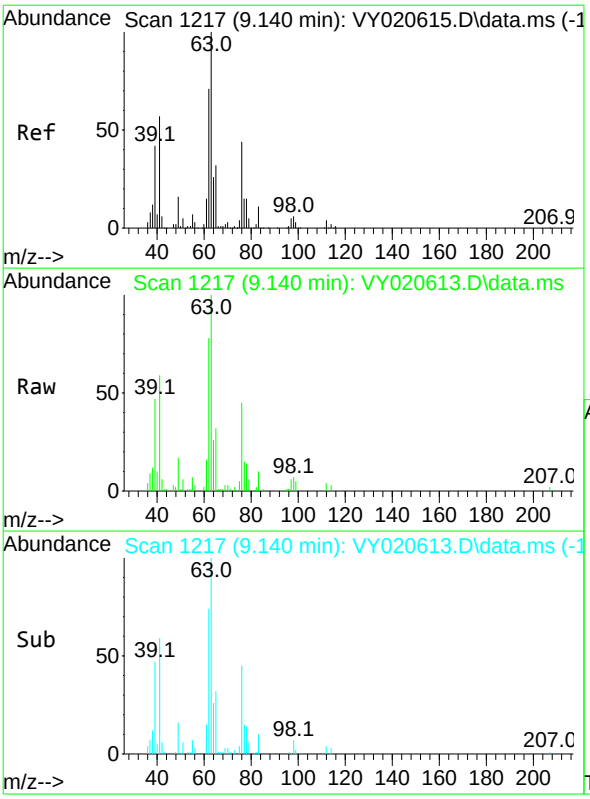


#44
Trichloroethene
Concen: 10.834 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:130 Resp: 26388

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.2

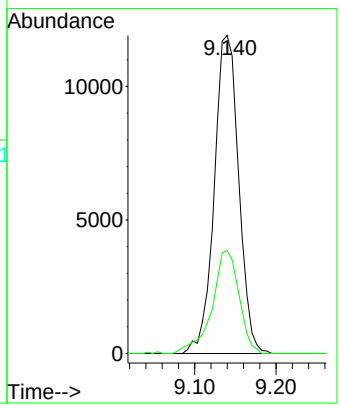




#45
1,2-Dichloropropane
Concen: 10.743 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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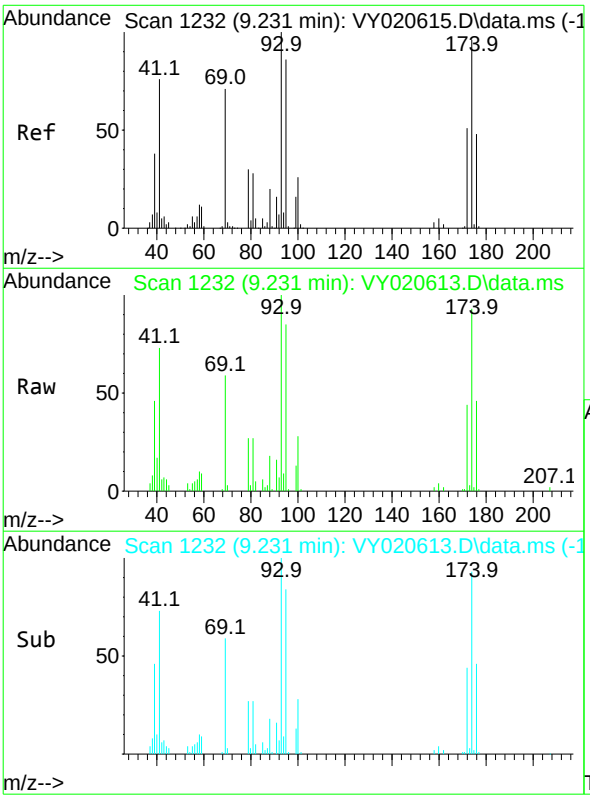
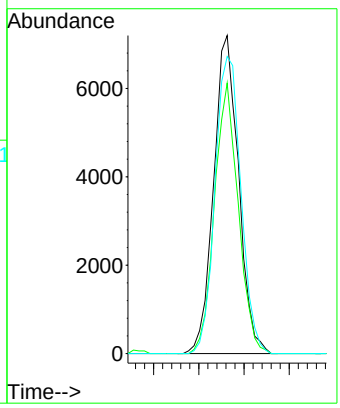
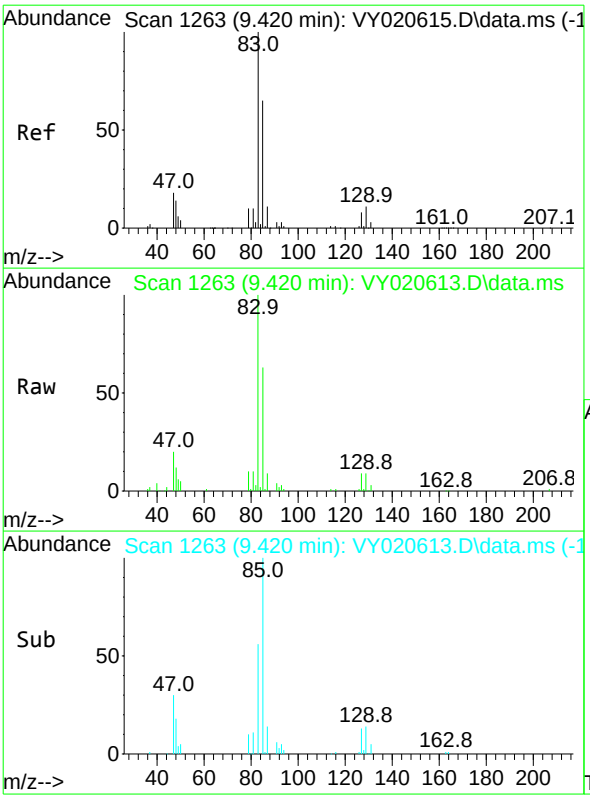


#46
Dibromomethane
Concen: 11.242 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

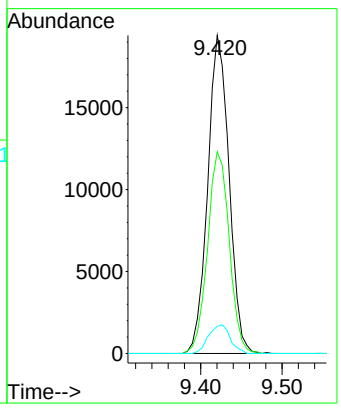




#47
Bromodichloromethane
Concen: 10.689 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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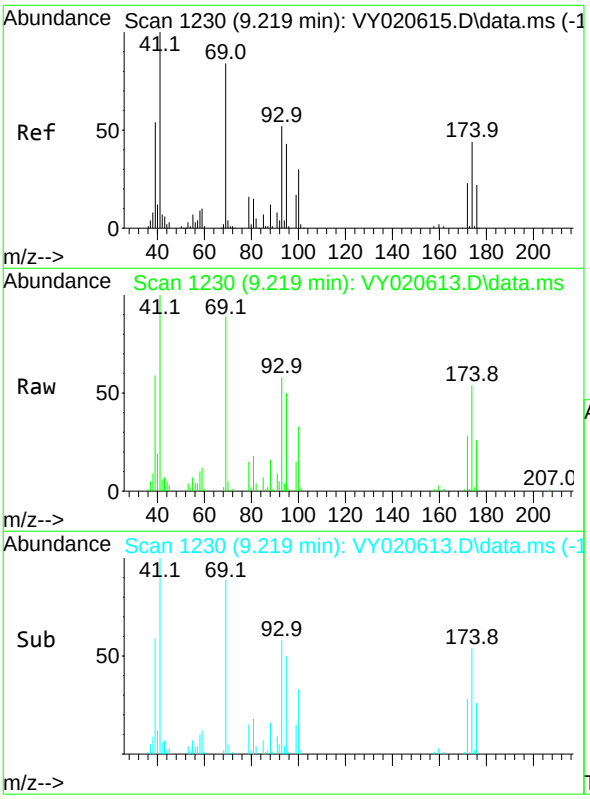
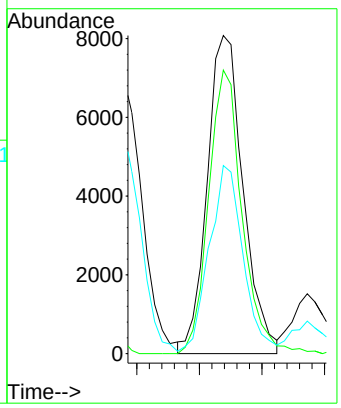
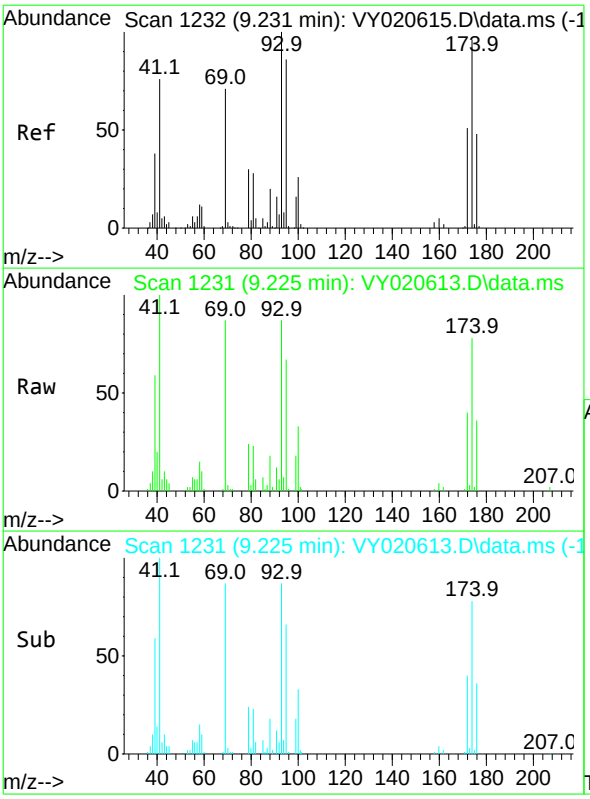


#48
Methyl methacrylate
Concen: 11.218 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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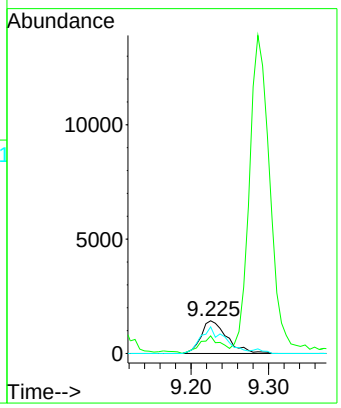
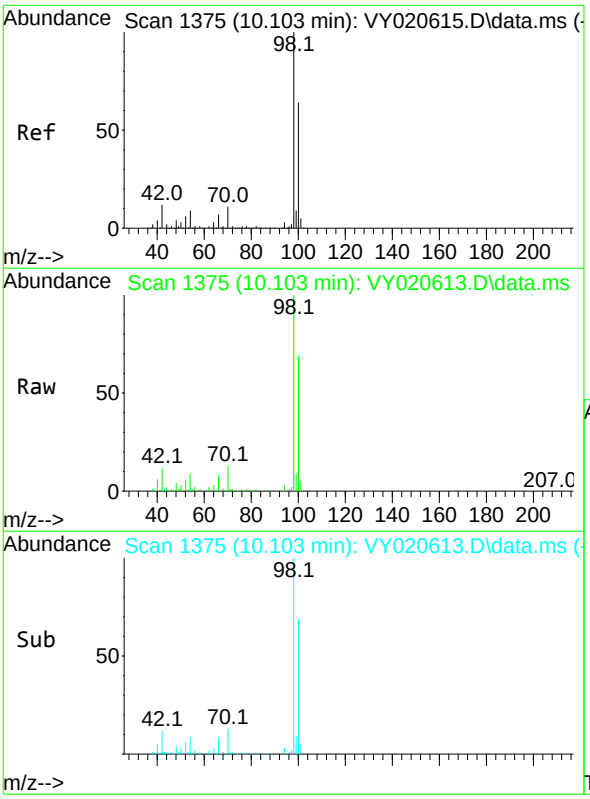
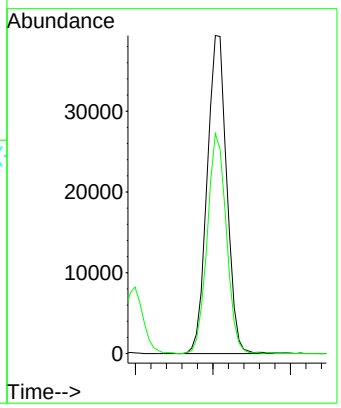


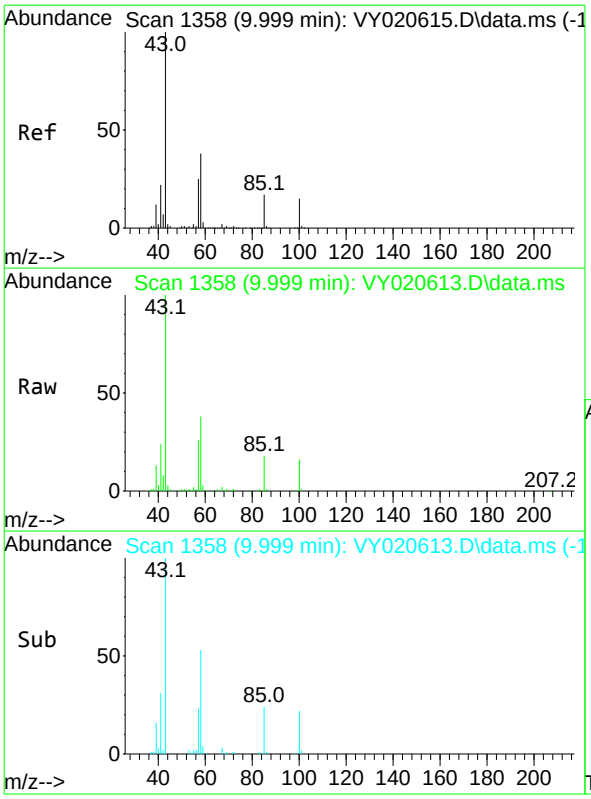


#50
Toluene-d8
Concen: 10.653 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 98 Resp: 69155

Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.1	78.1

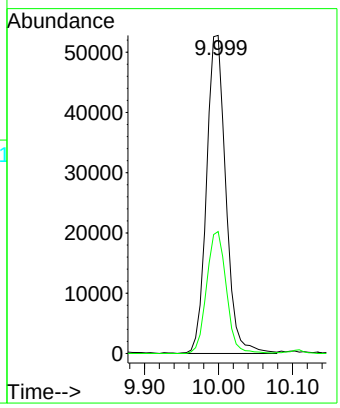




#51
4-Methyl-2-Pentanone
Concen: 60.180 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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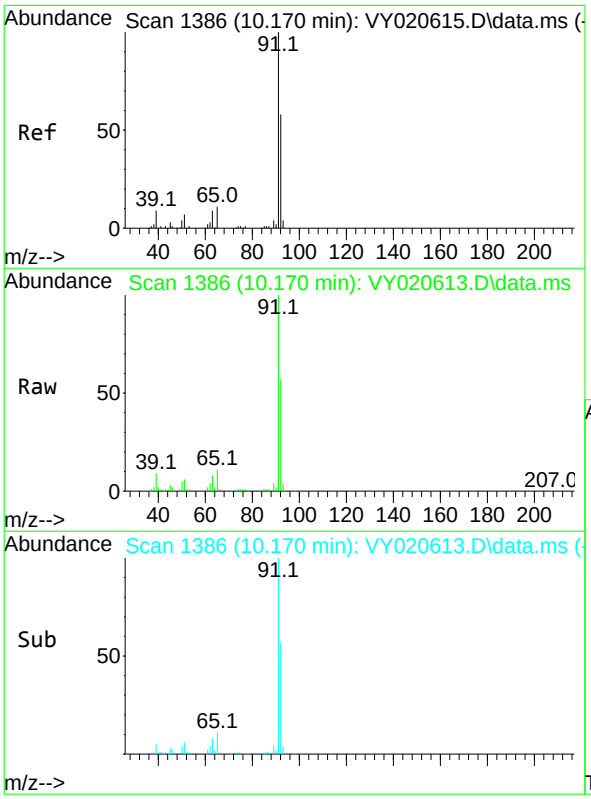
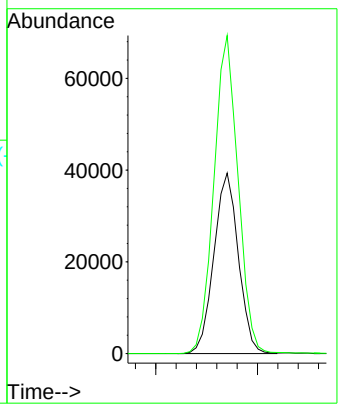
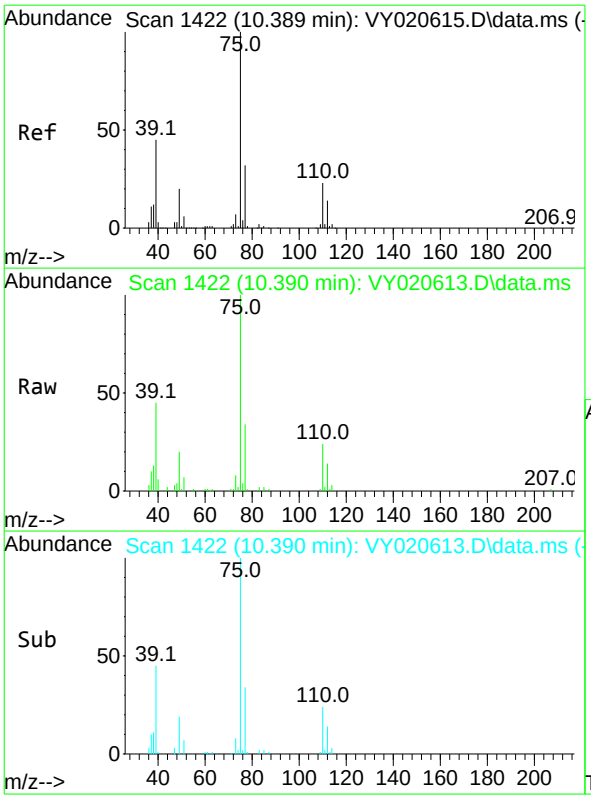


#52
Toluene
Concen: 10.657 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 92 Resp: 65651

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.4	206.0

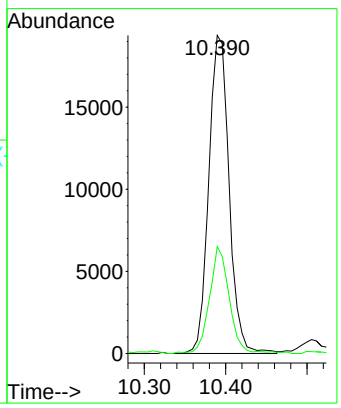




#53
t-1,3-Dichloropropene
Concen: 10.892 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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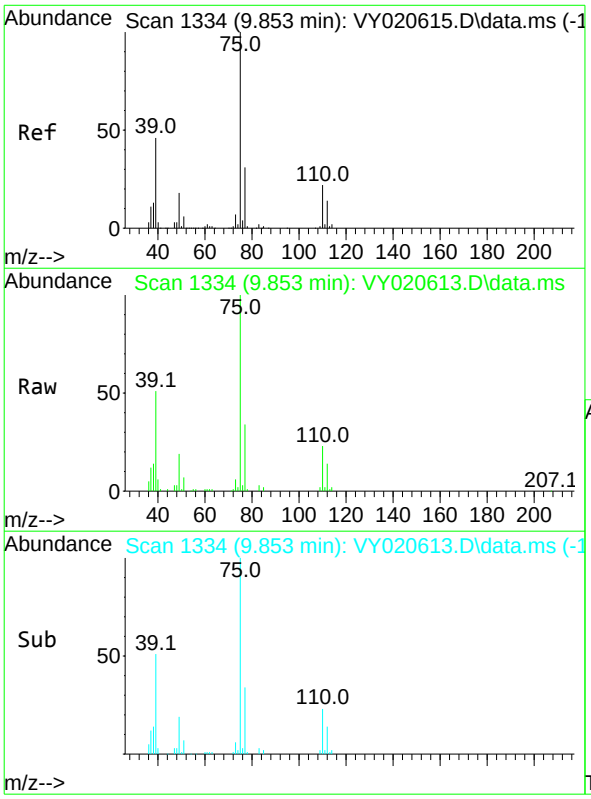
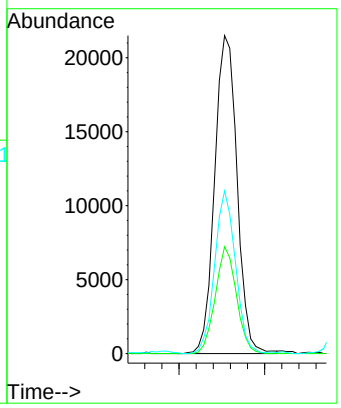
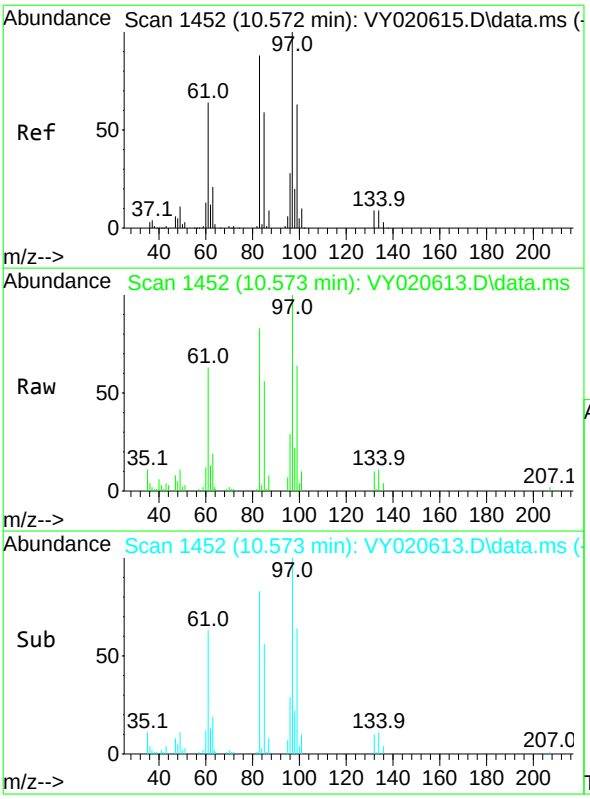


#54
cis-1,3-Dichloropropene
Concen: 10.698 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

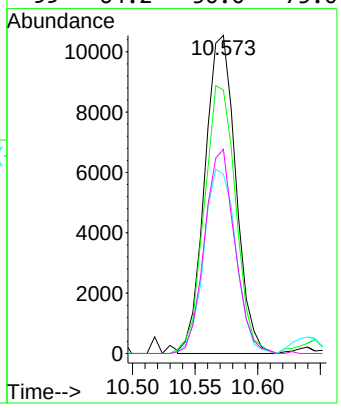




#55
1,1,2-Trichloroethane
Concen: 11.181 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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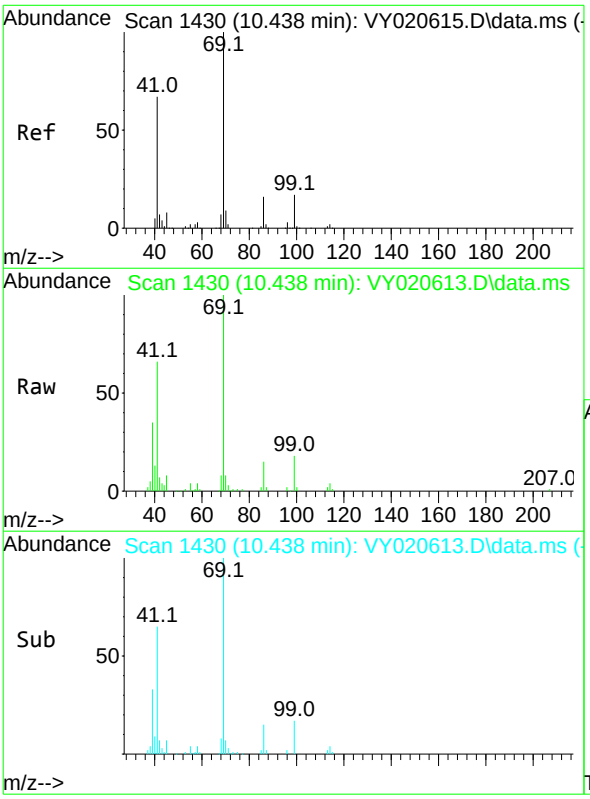
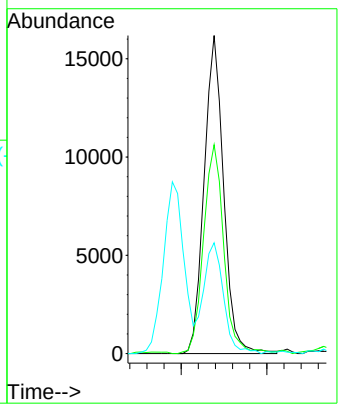
Supervised By :Semsettin Yesilyurt 12/18/2024

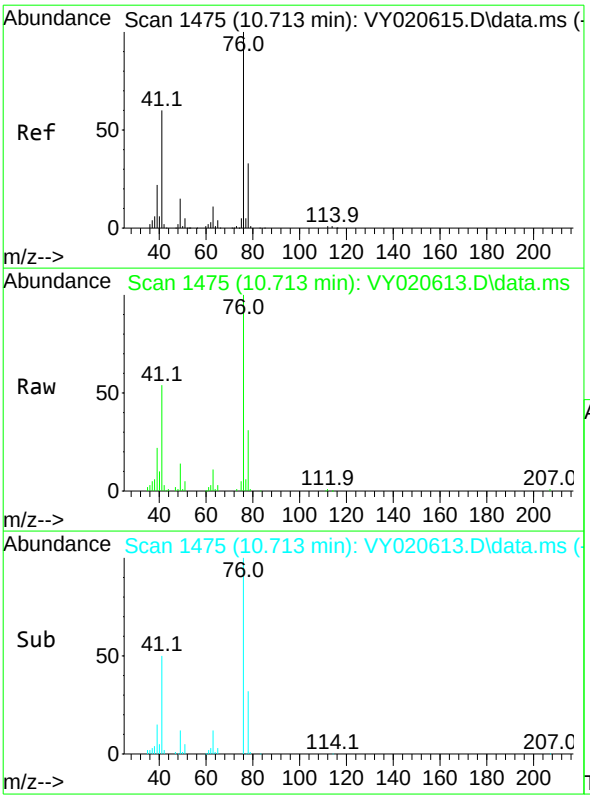


#56
Ethyl methacrylate
Concen: 10.877 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

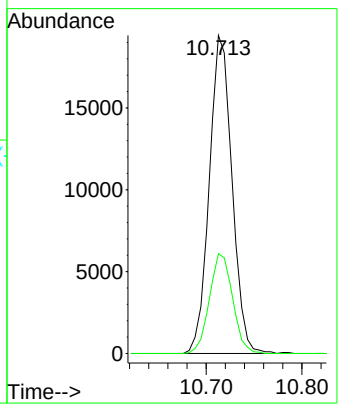




#57
1,3-Dichloropropane
Concen: 11.099 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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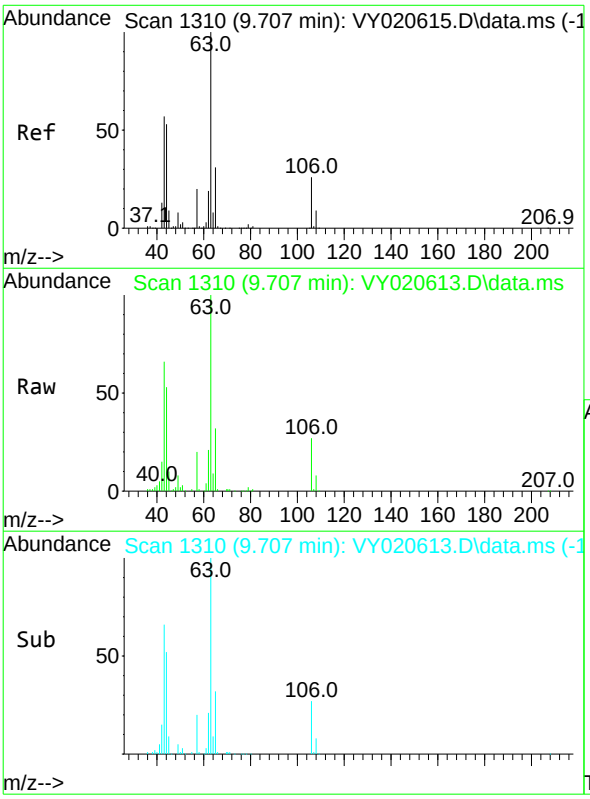
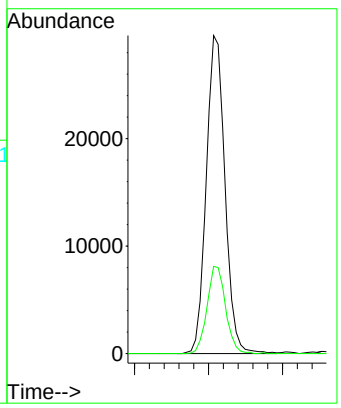
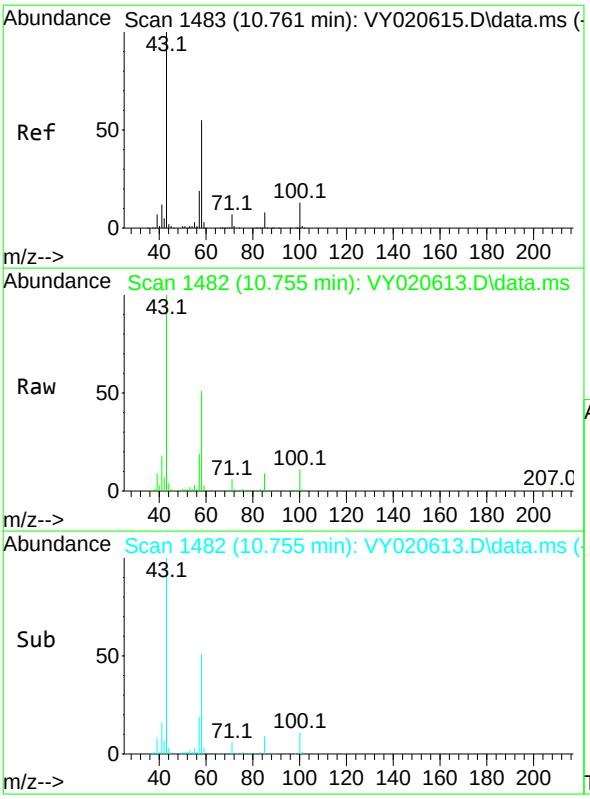


#58
2-Chloroethyl Vinyl ether
Concen: 52.537 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 51913

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

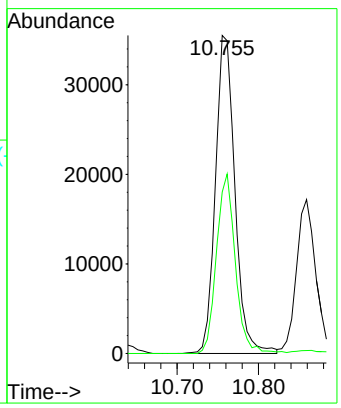




#59
2-Hexanone
Concen: 57.933 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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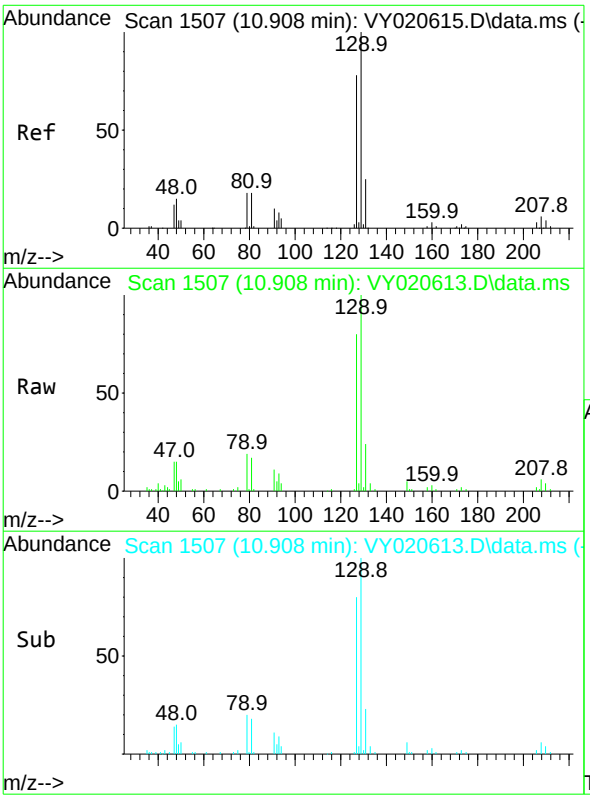
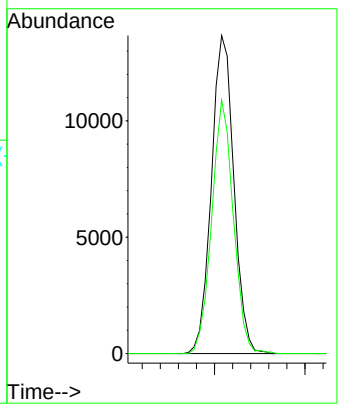
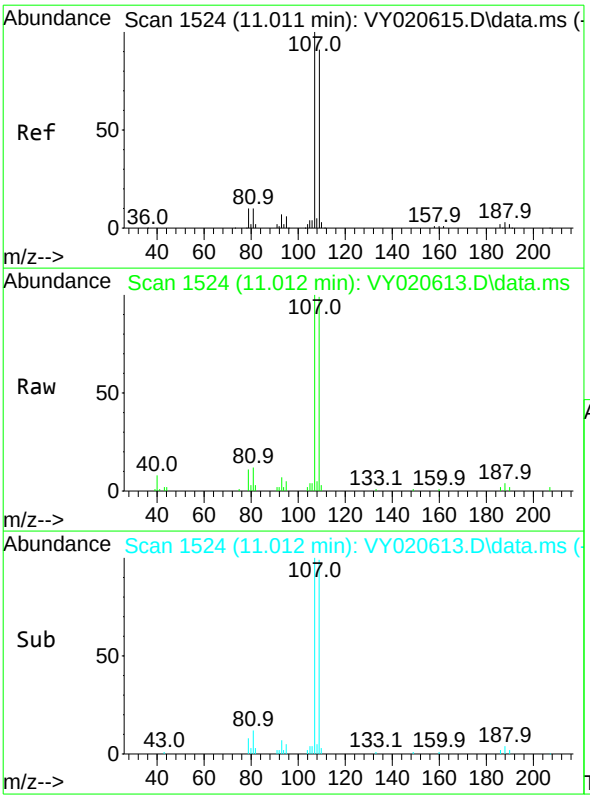


#60
Dibromochloromethane
Concen: 10.878 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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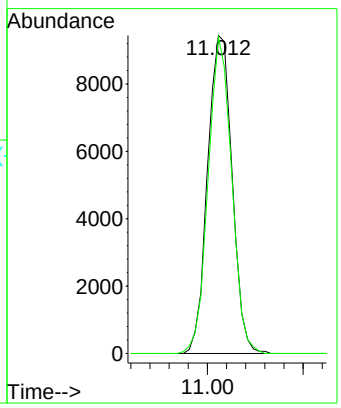
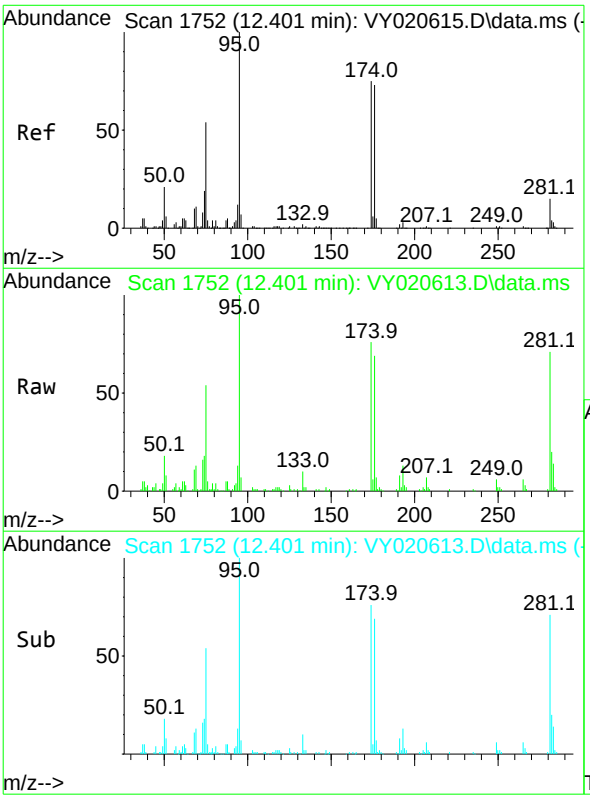
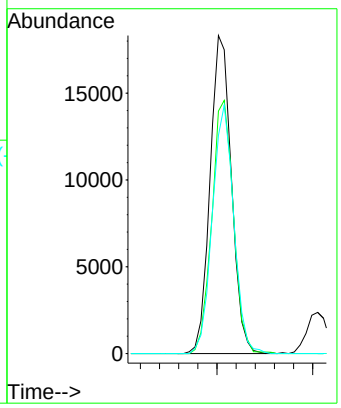


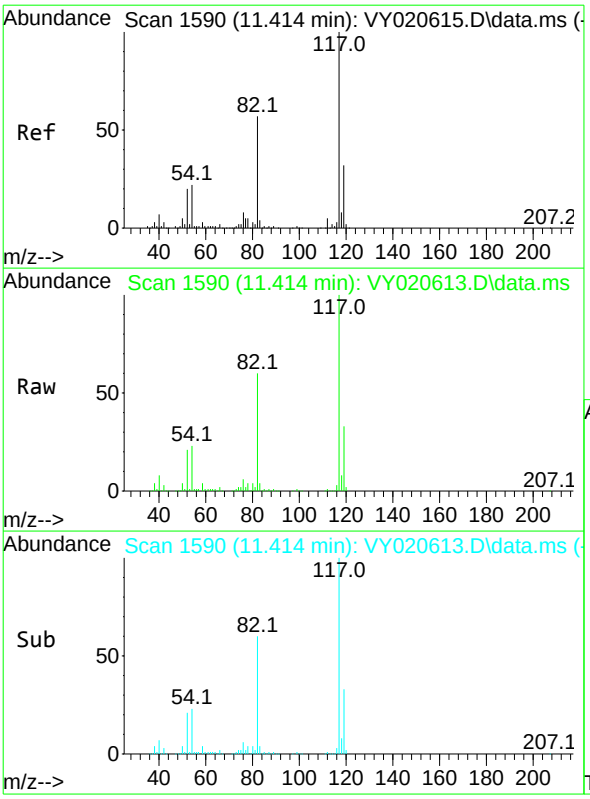


#62
4-Bromofluorobenzene
Concen: 11.154 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

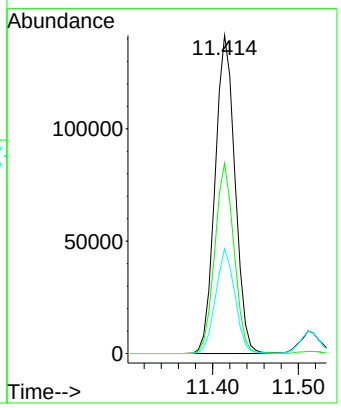




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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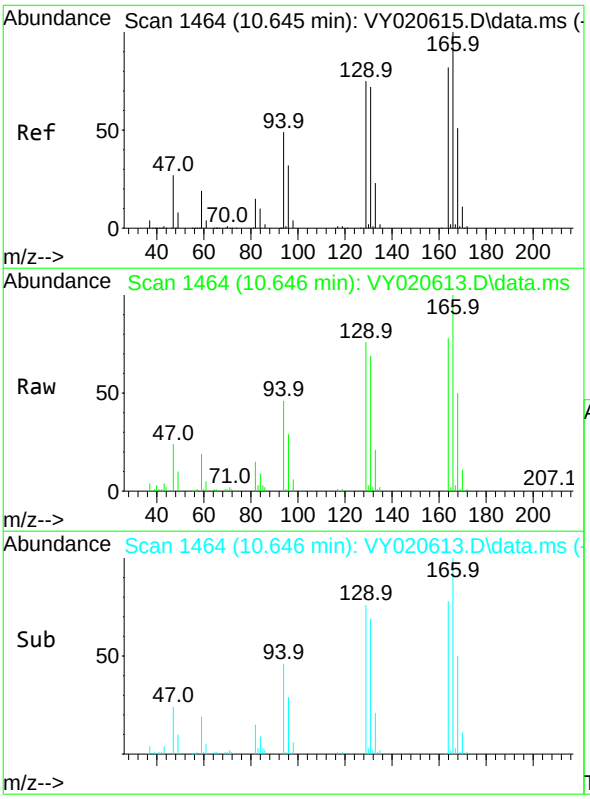
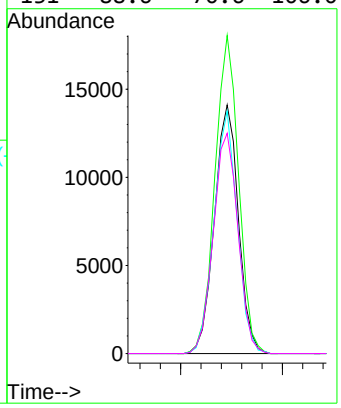
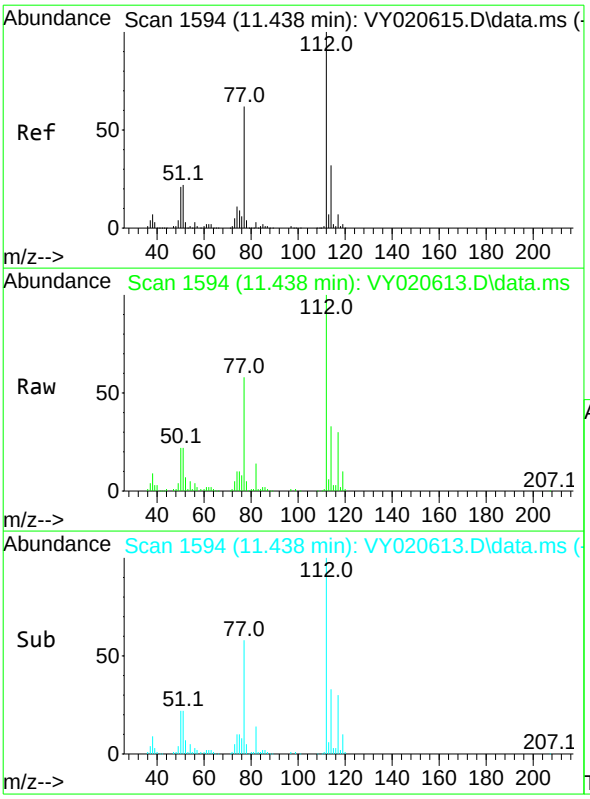


#64
Tetrachloroethene
Concen: 10.744 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

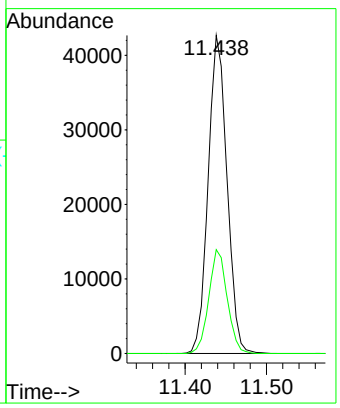




#65
Chlorobenzene
Concen: 10.738 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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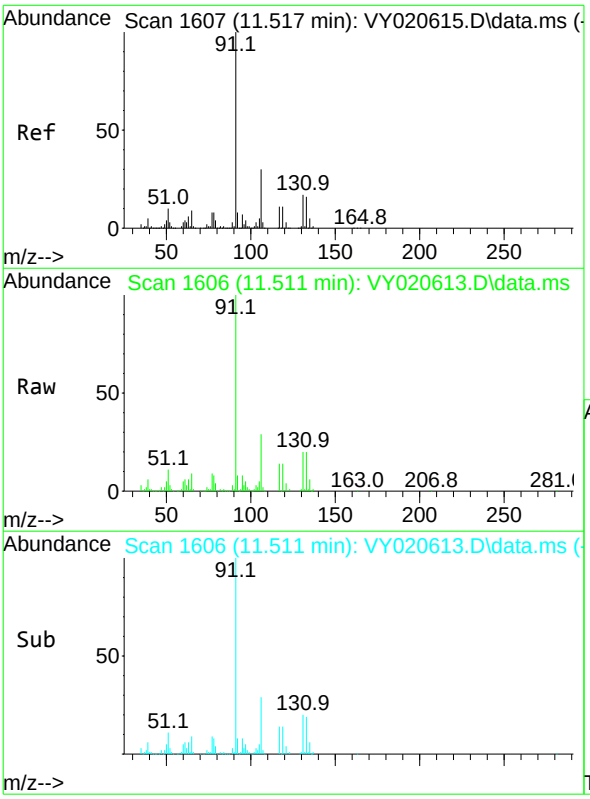
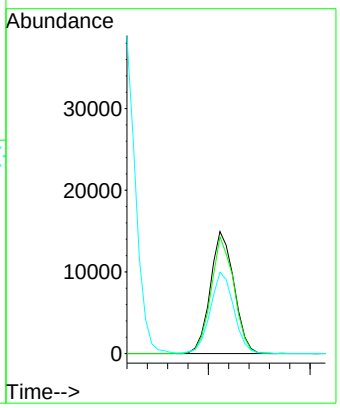
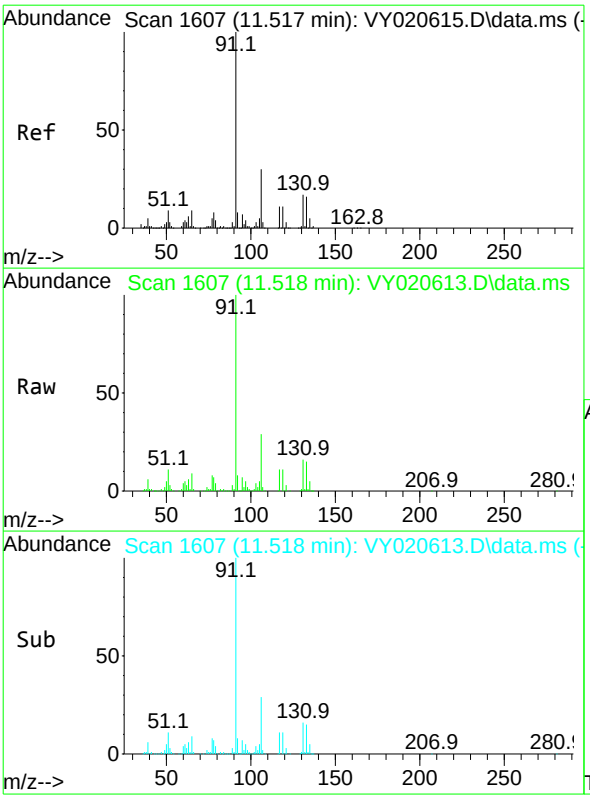


#66
1,1,1,2-Tetrachloroethane
Concen: 11.065 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

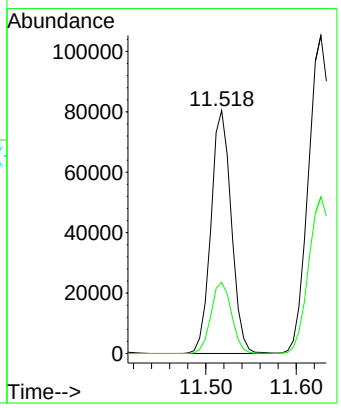




#67
Ethyl Benzene
Concen: 10.649 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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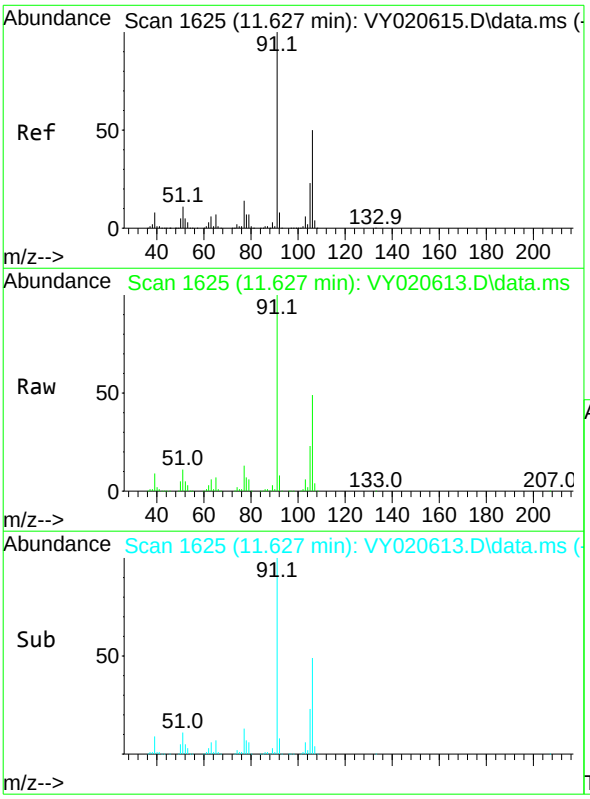
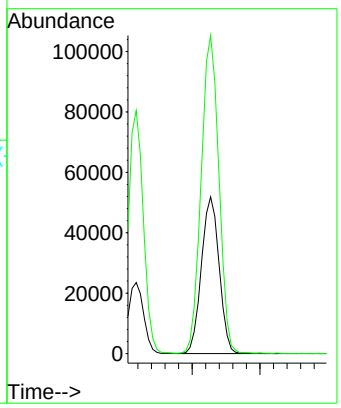
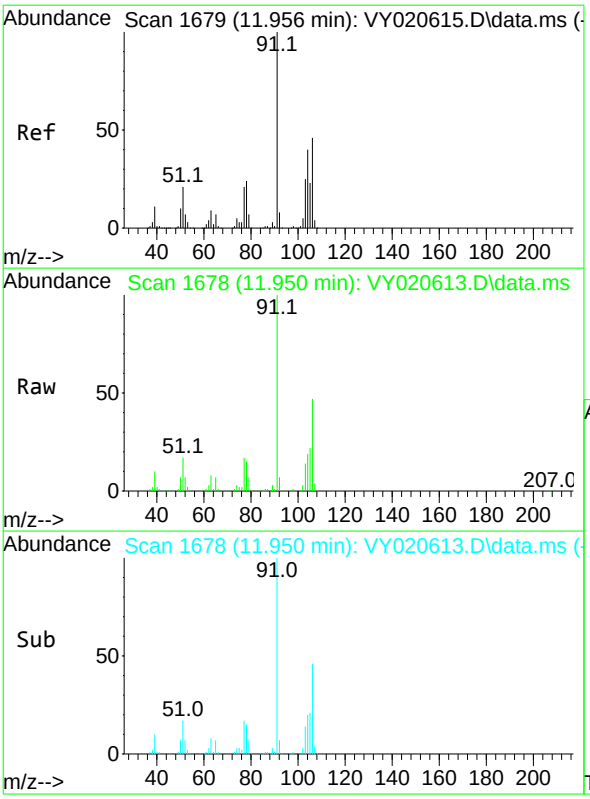


#68
m/p-Xylenes
Concen: 21.506 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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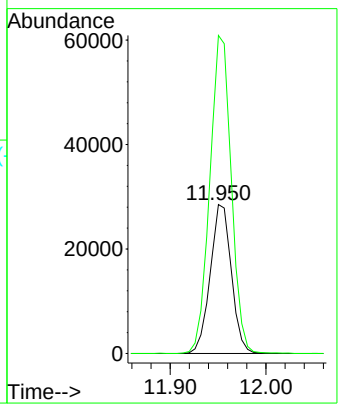
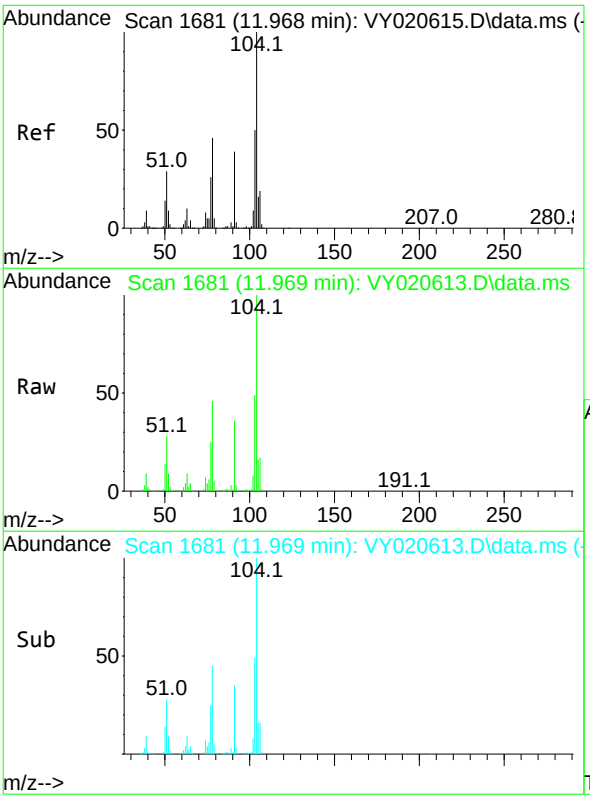
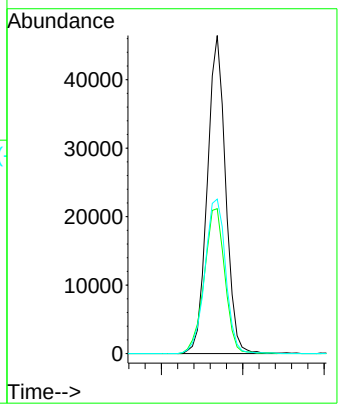


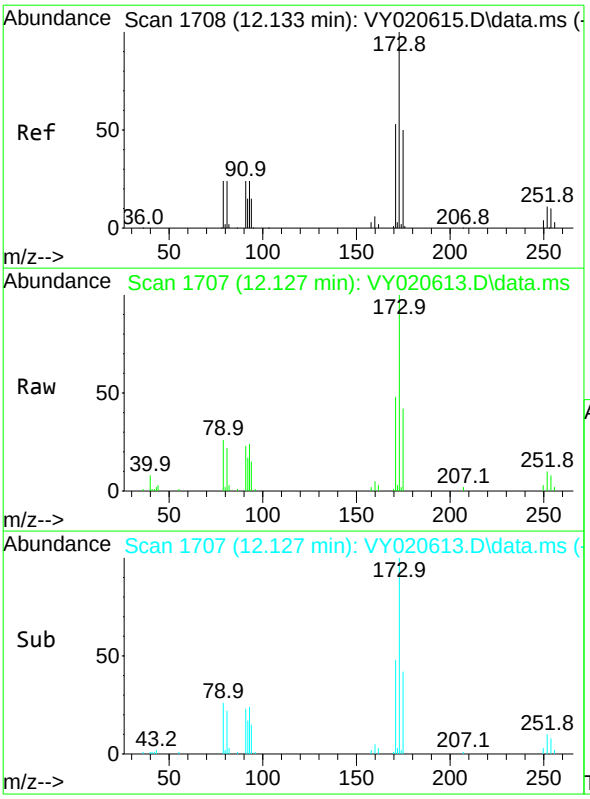


#70
Styrene
Concen: 10.612 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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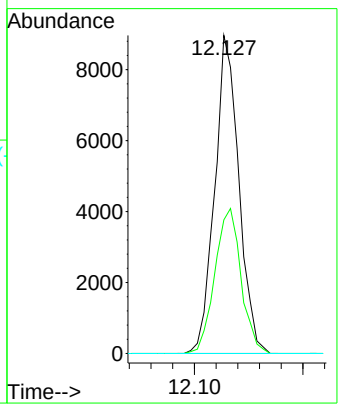
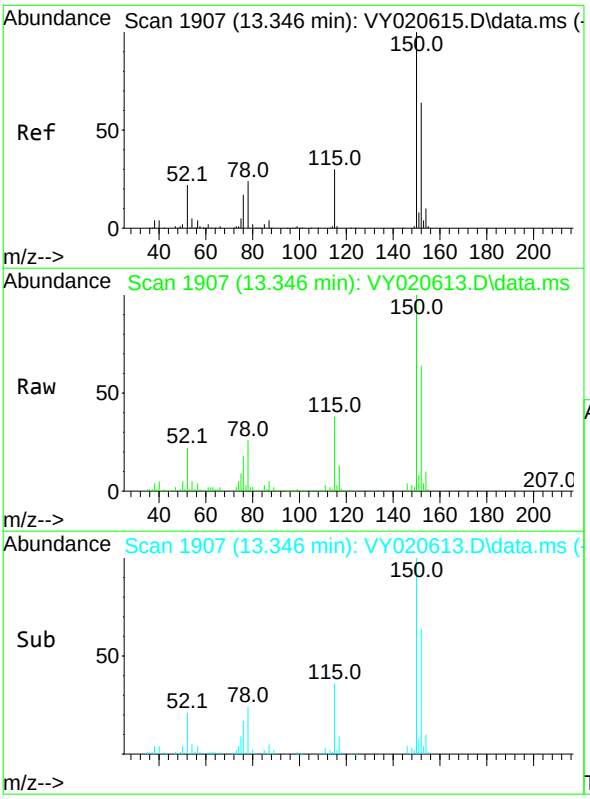
Supervised By :Semsettin Yesilyurt 12/18/2024

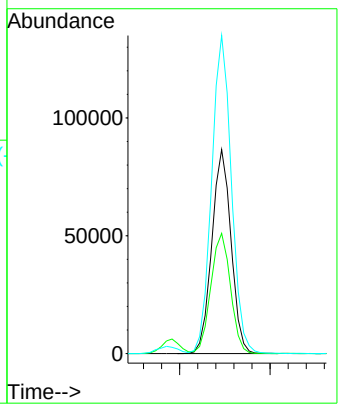


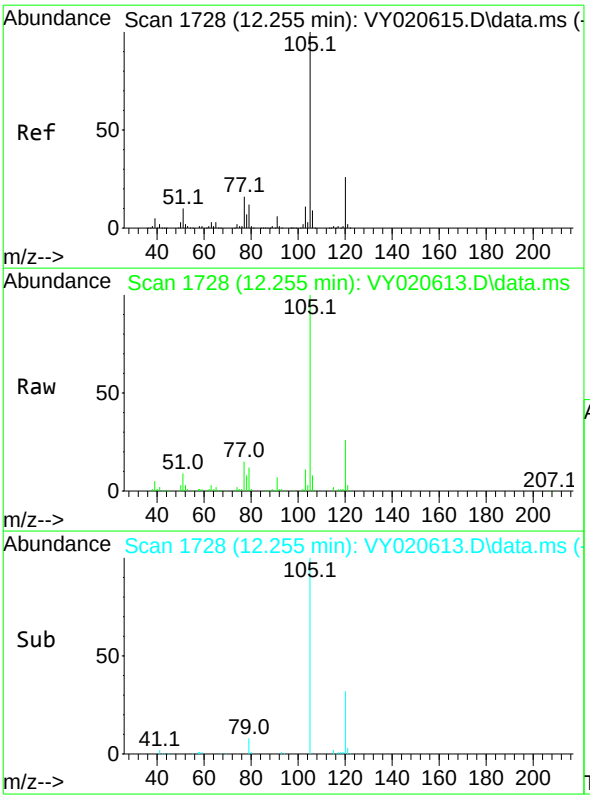


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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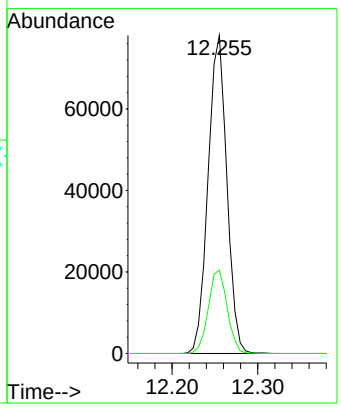
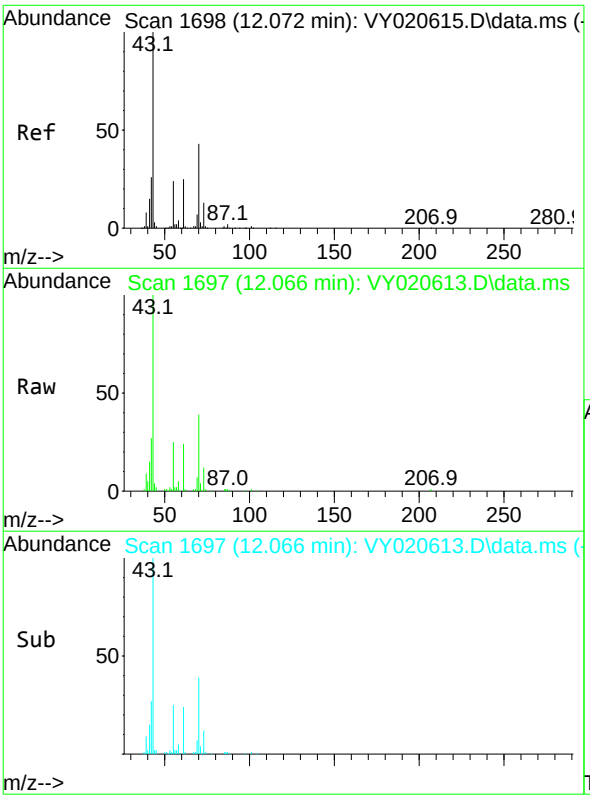
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

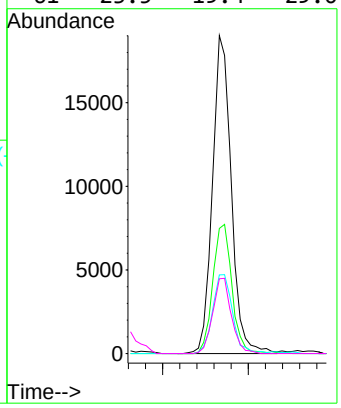


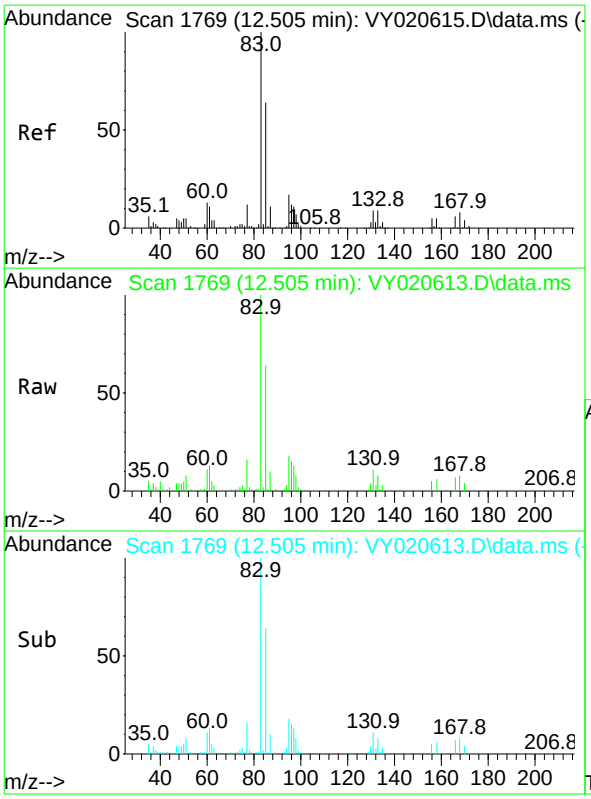


#74
N-amyl acetate
Concen: 11.093 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

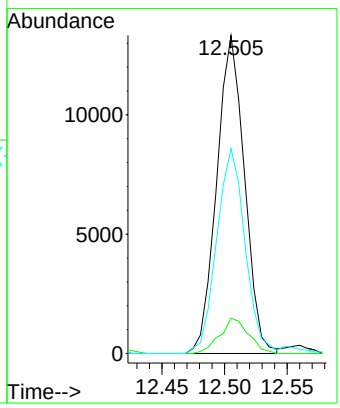




#75
1,1,2,2-Tetrachloroethane
Concen: 11.352 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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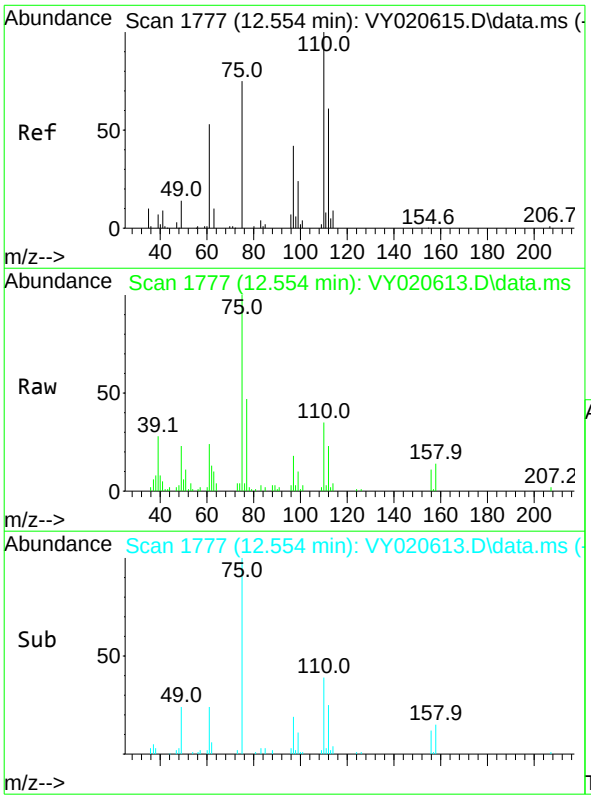
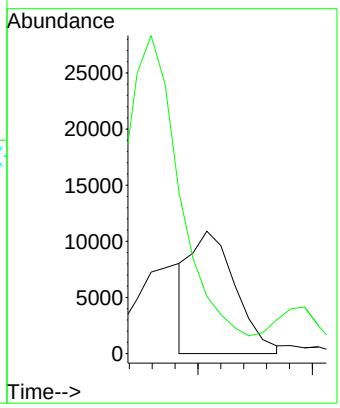
Supervised By :Semsettin Yesilyurt 12/18/2024

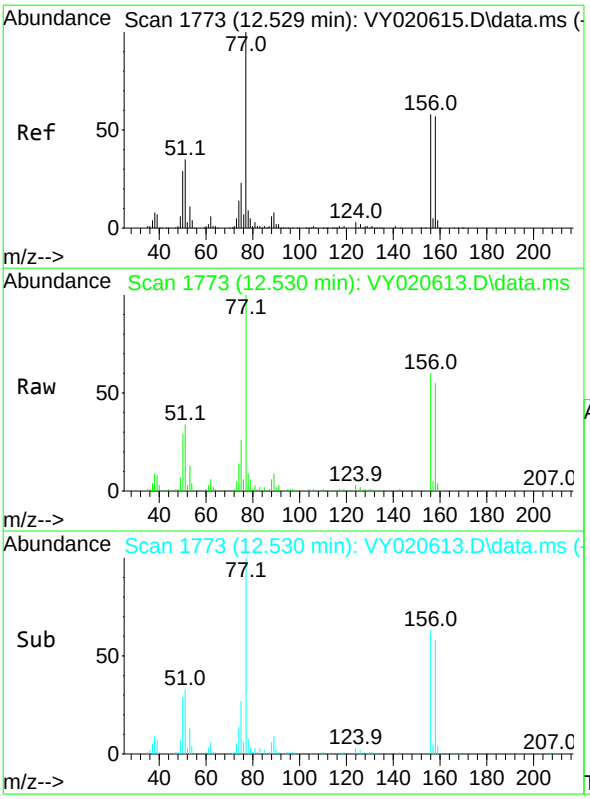


#76
1,2,3-Trichloropropane
Concen: 11.287 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 14870

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

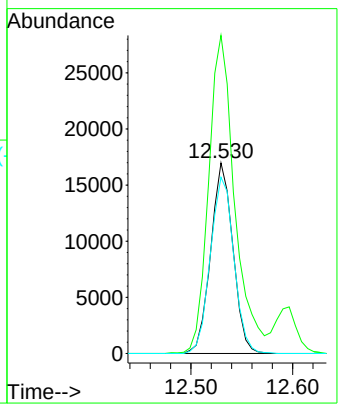




#77
Bromobenzene
Concen: 10.591 ug/l
RT: 12.530 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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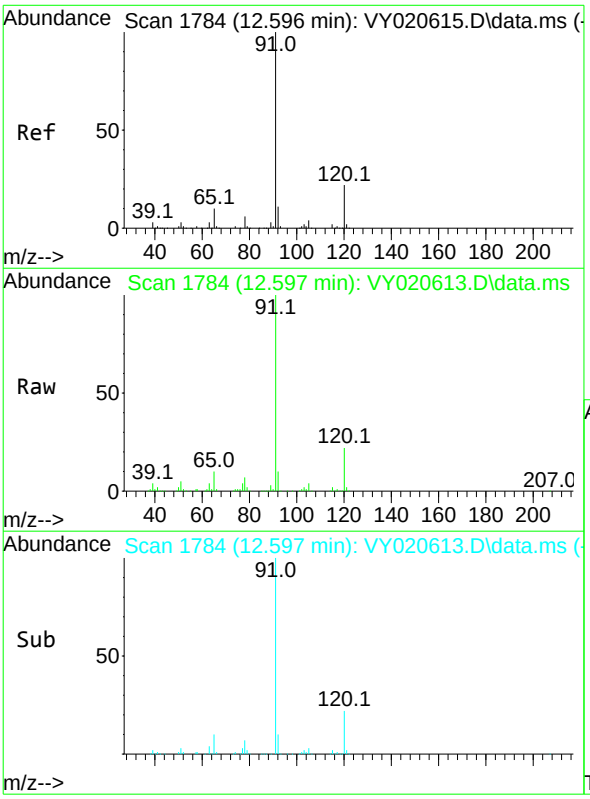
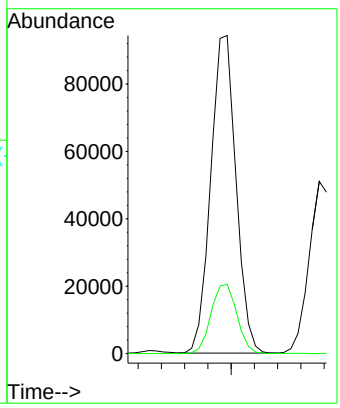
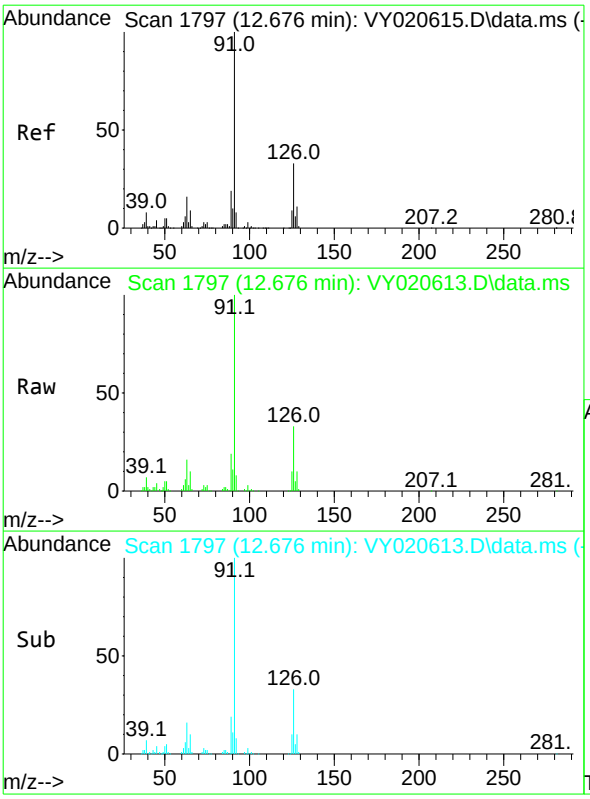


#78
n-propylbenzene
Concen: 10.588 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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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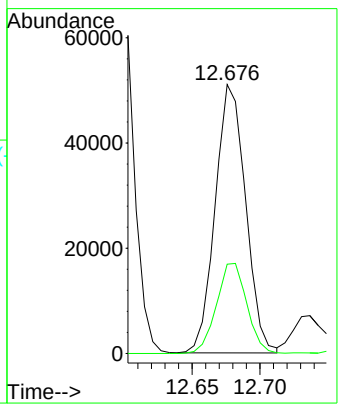
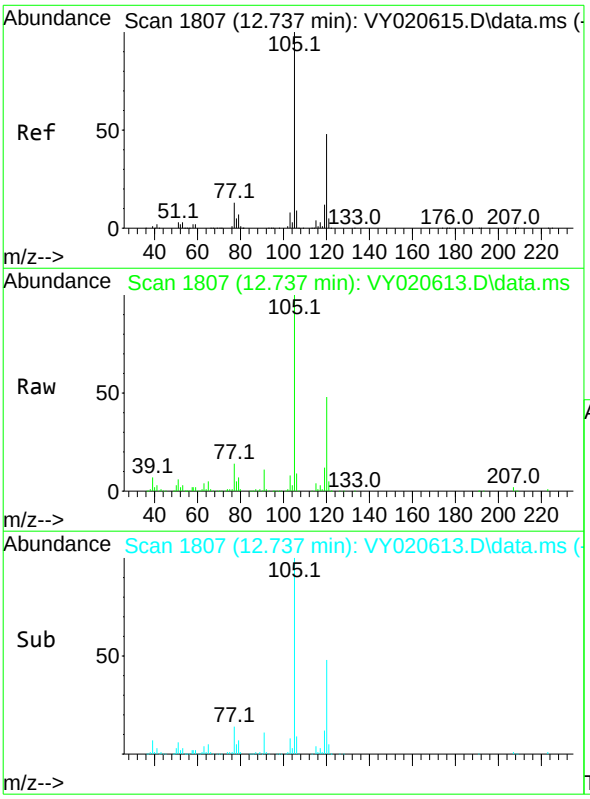
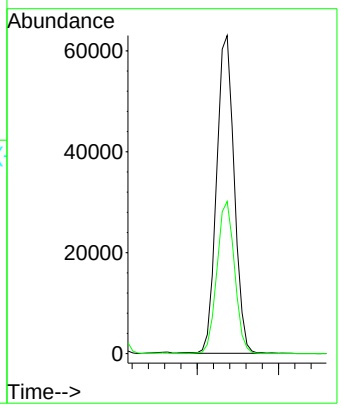


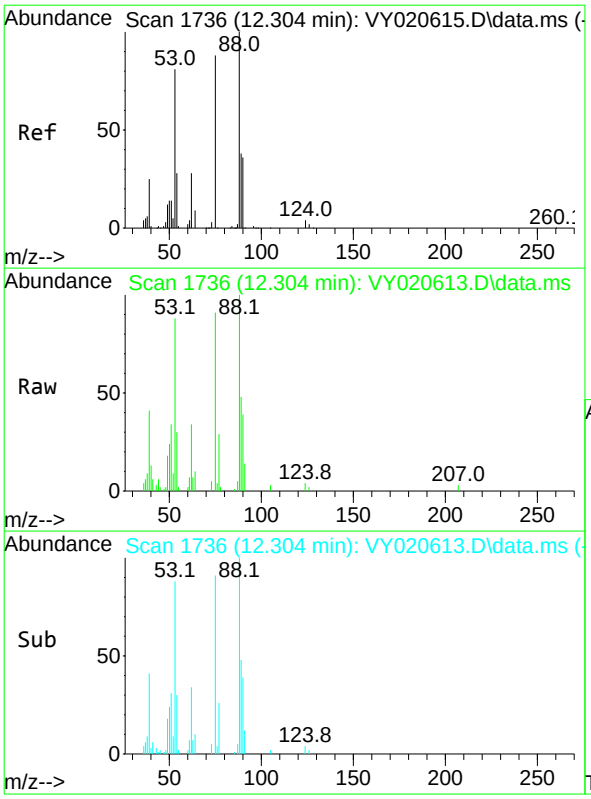


#80
1,3,5-Trimethylbenzene
Concen: 10.453 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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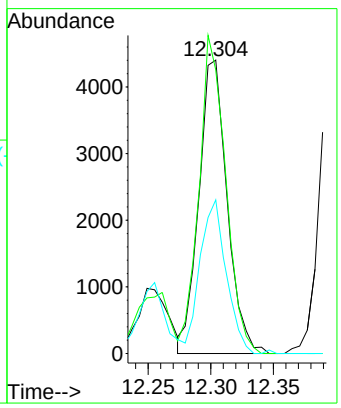
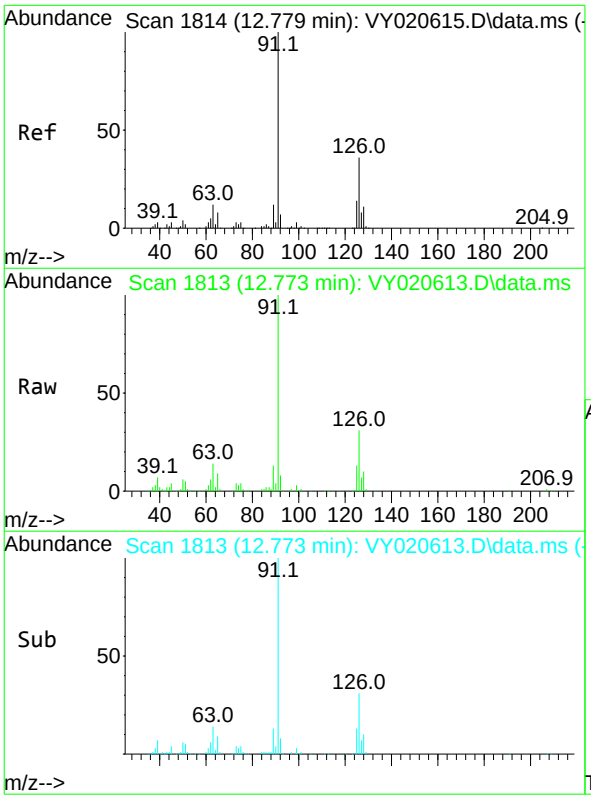
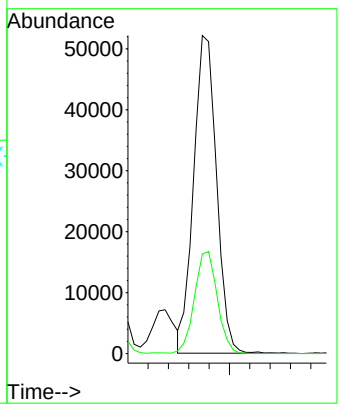


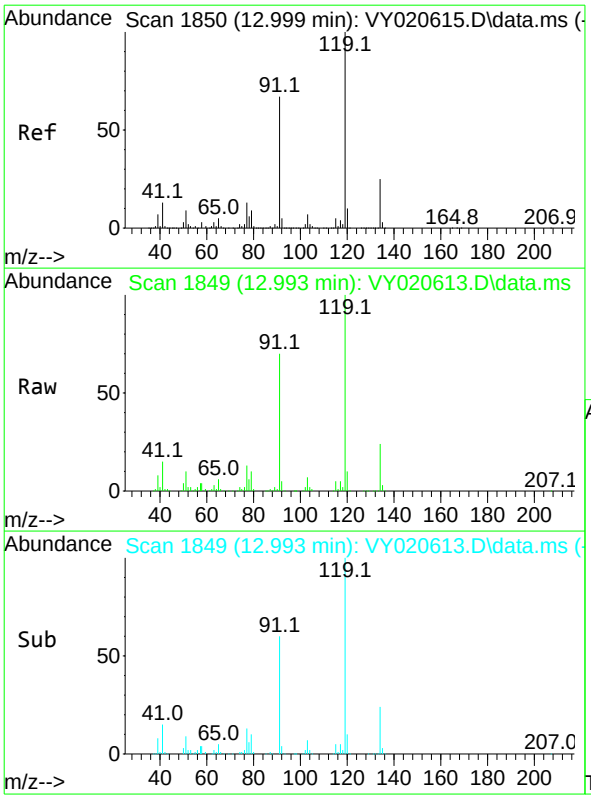


#82
4-Chlorotoluene
Concen: 10.380 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 81482

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.6	49.7

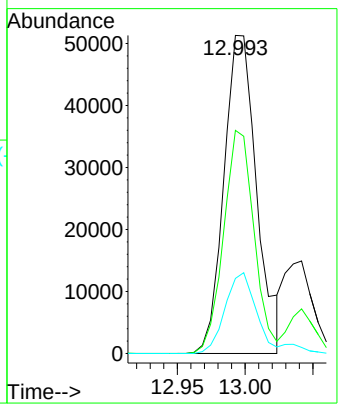




#83
tert-Butylbenzene
Concen: 10.534 ug/l
RT: 12.993 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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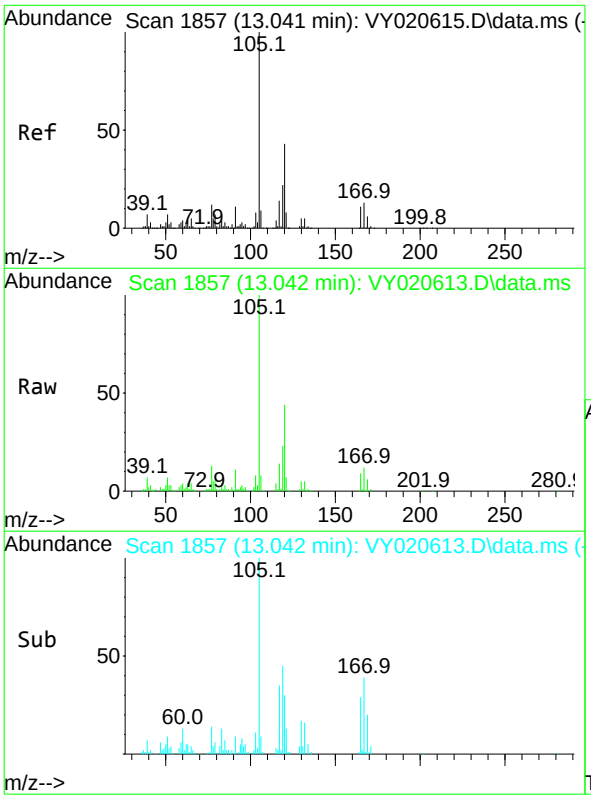
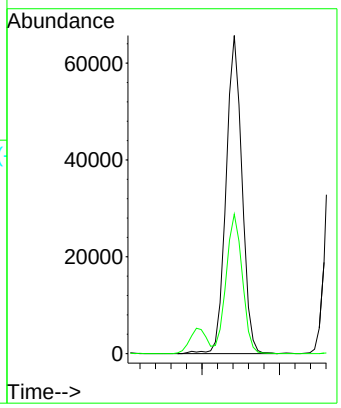
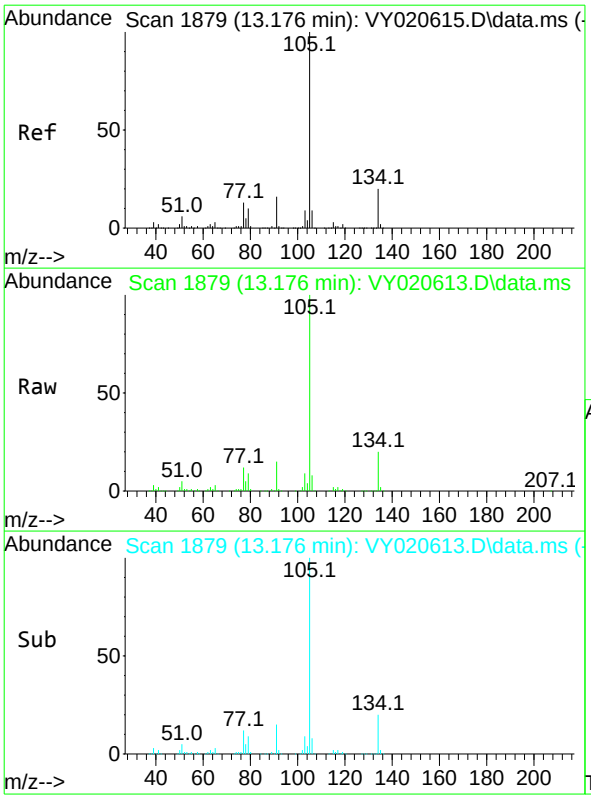


#84
1,2,4-Trimethylbenzene
Concen: 10.539 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 93630

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.4

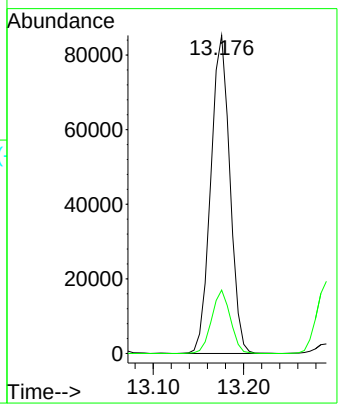




#85
sec-Butylbenzene
Concen: 10.497 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 125189

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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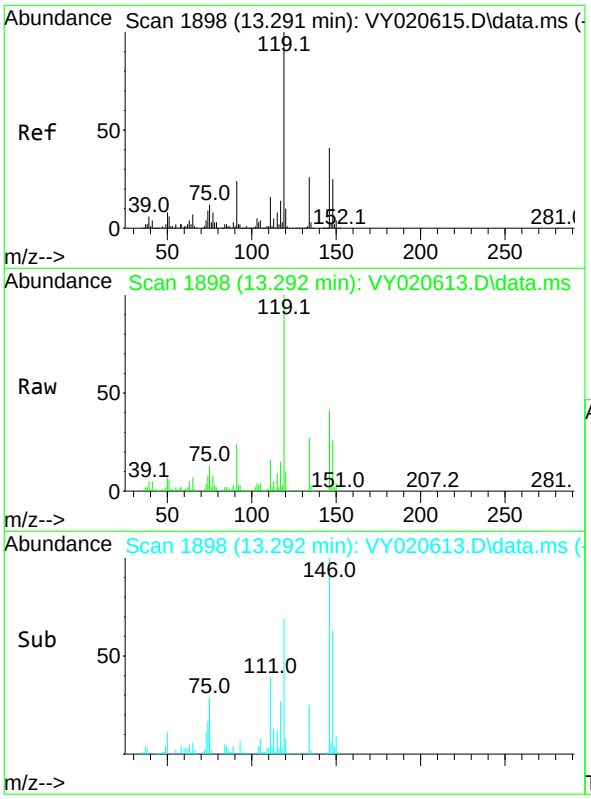
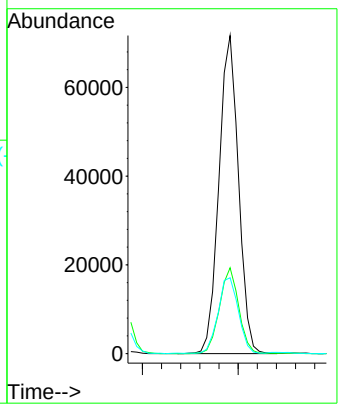
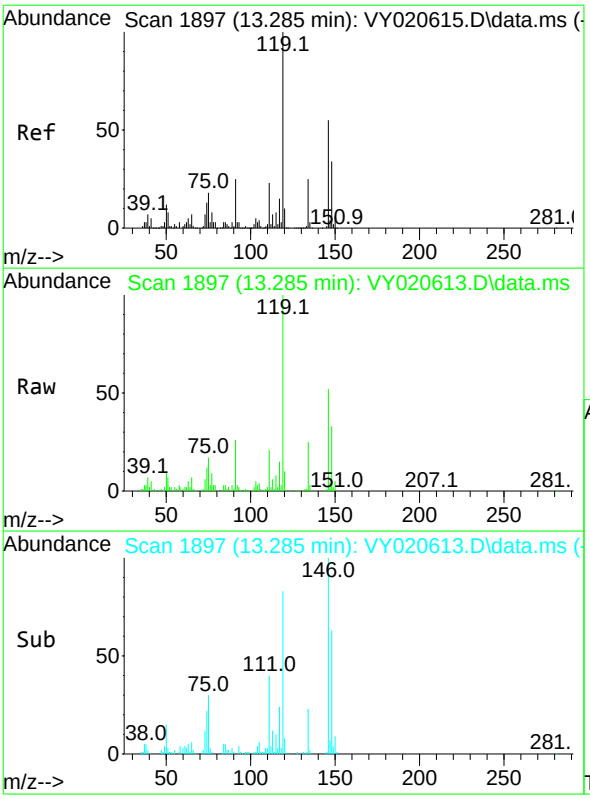


#86
p-Isopropyltoluene
Concen: 10.342 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

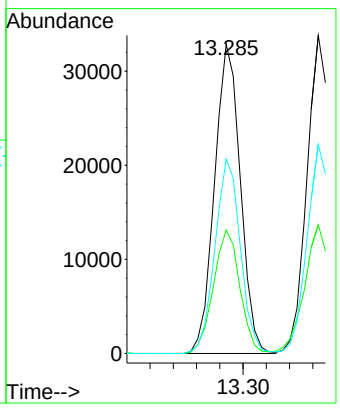




#87
1,3-Dichlorobenzene
Concen: 10.561 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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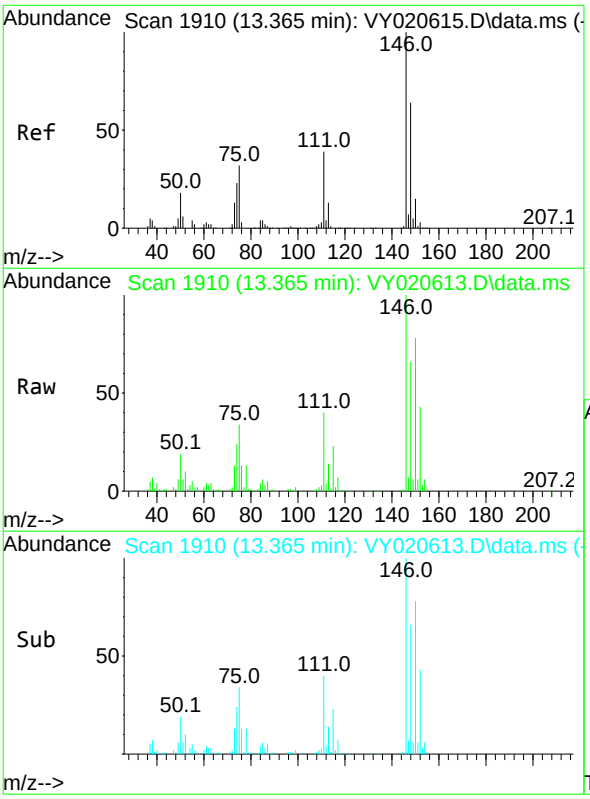
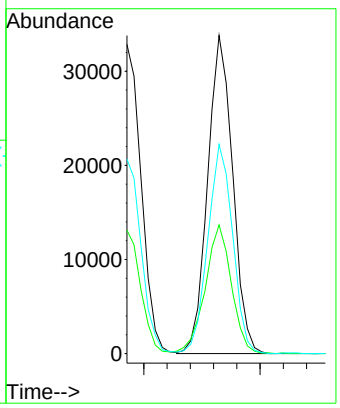
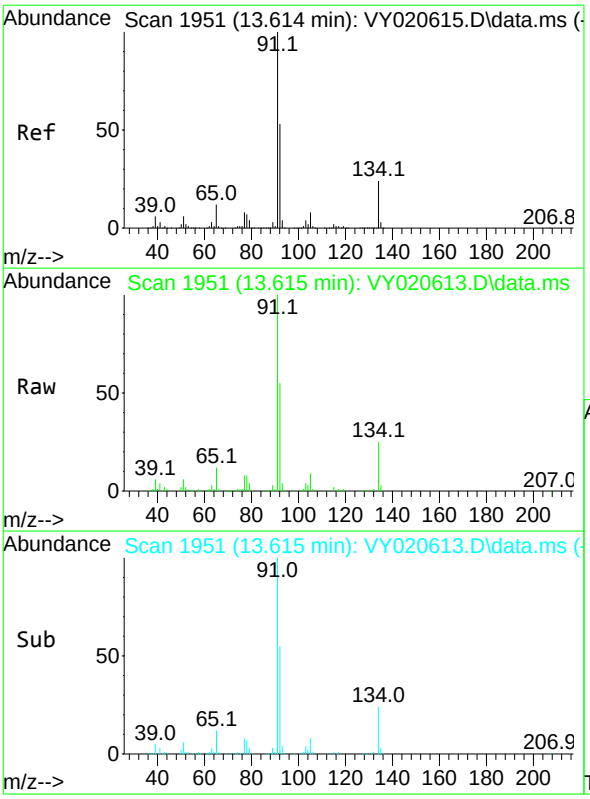


#88
1,4-Dichlorobenzene
Concen: 10.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

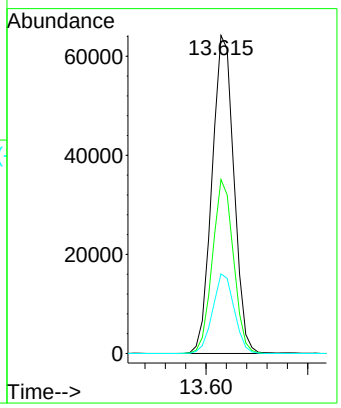




#89
n-Butylbenzene
Concen: 10.307 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

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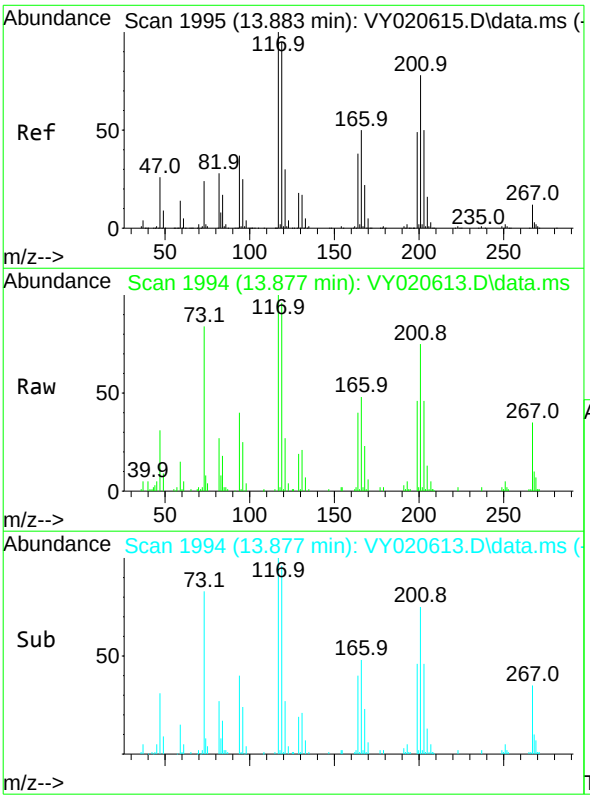
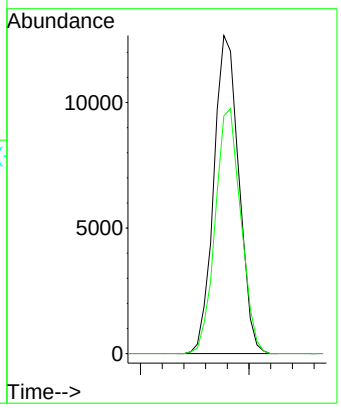
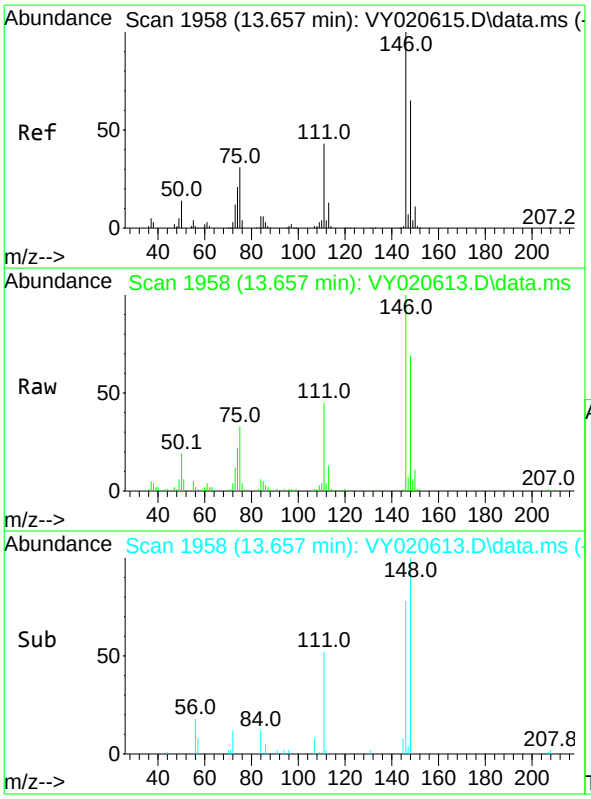


#90
Hexachloroethane
Concen: 10.430 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

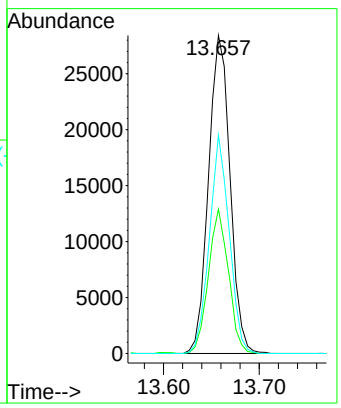
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

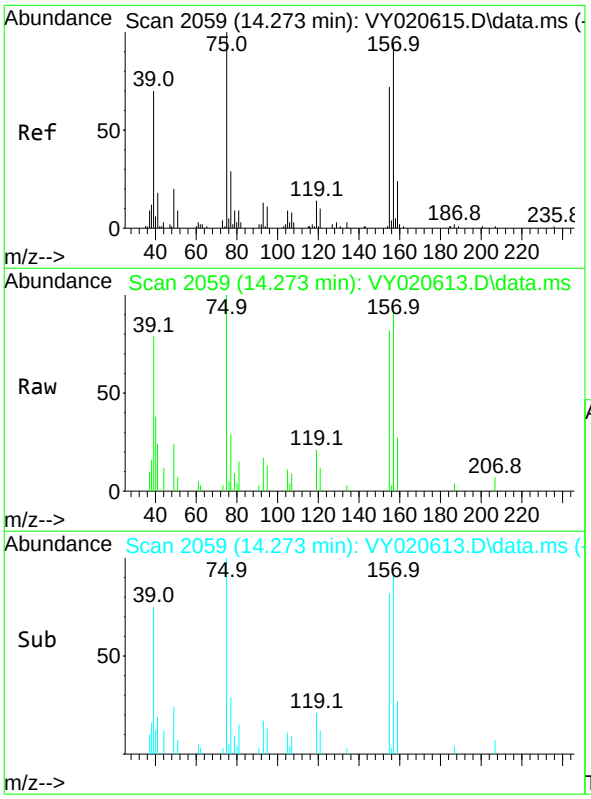
Tgt Ion:146 Resp: 44391

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

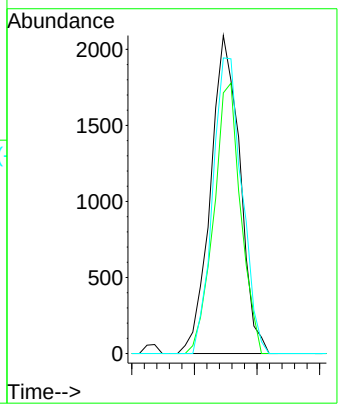


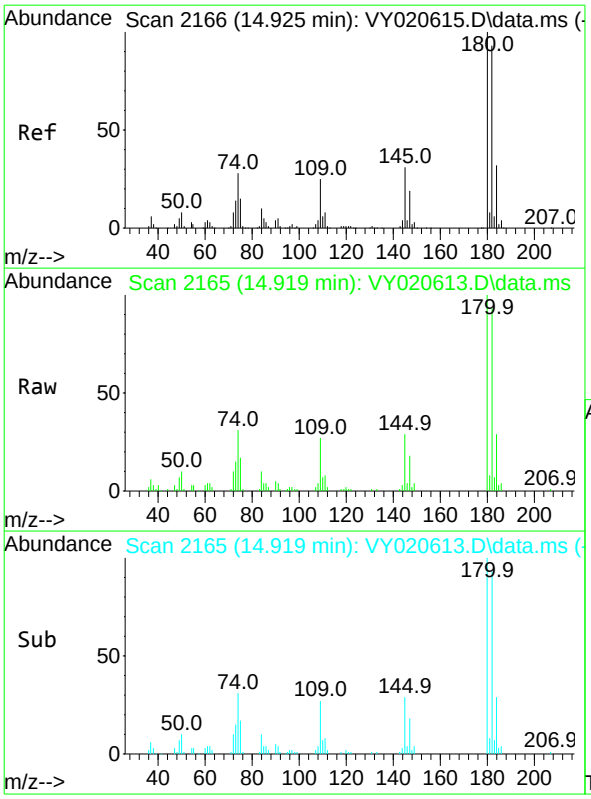


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.579 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

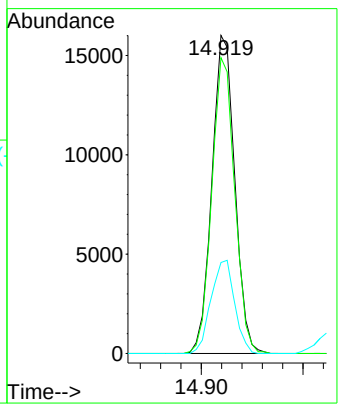
Tgt Ion:180 Resp: 24954

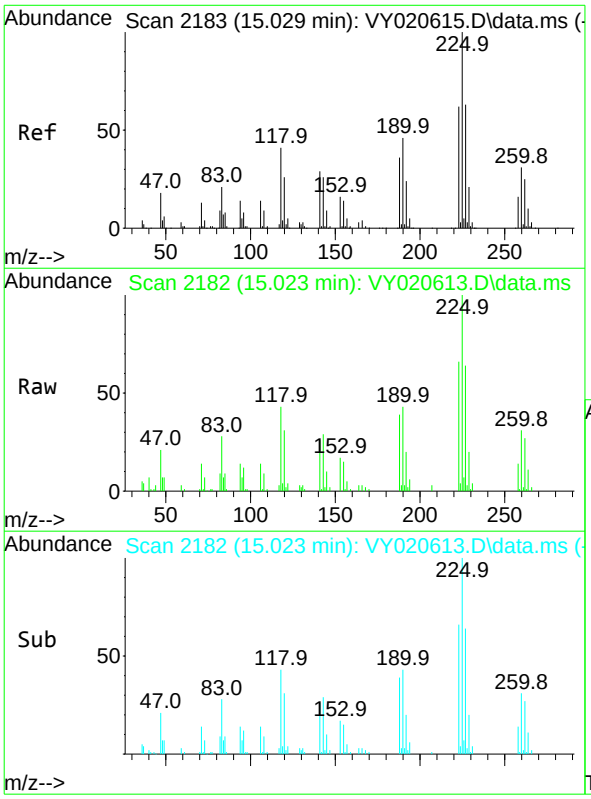
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	30.3	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

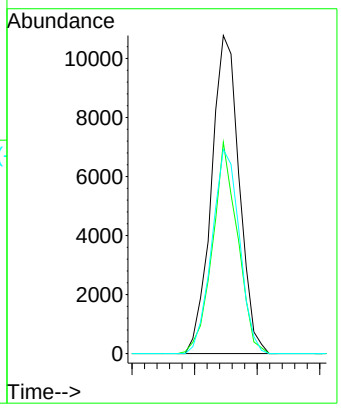


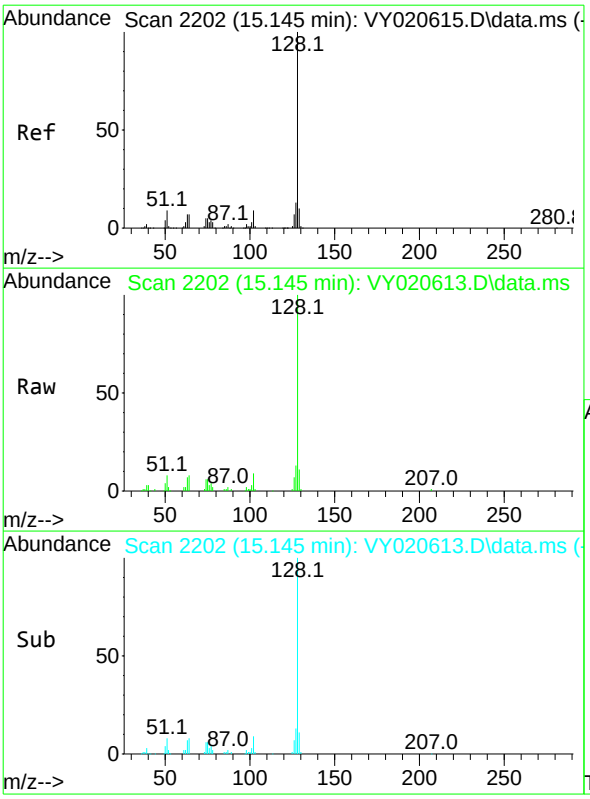


#94
Hexachlorobutadiene
Concen: 10.107 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

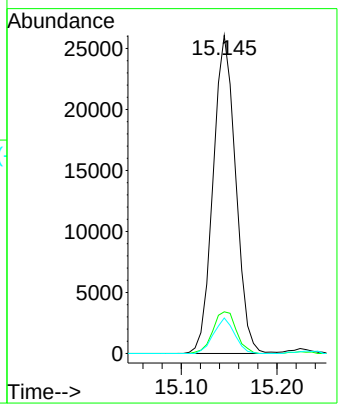




#95
Naphthalene
Concen: 9.901 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:128 Resp: 42698

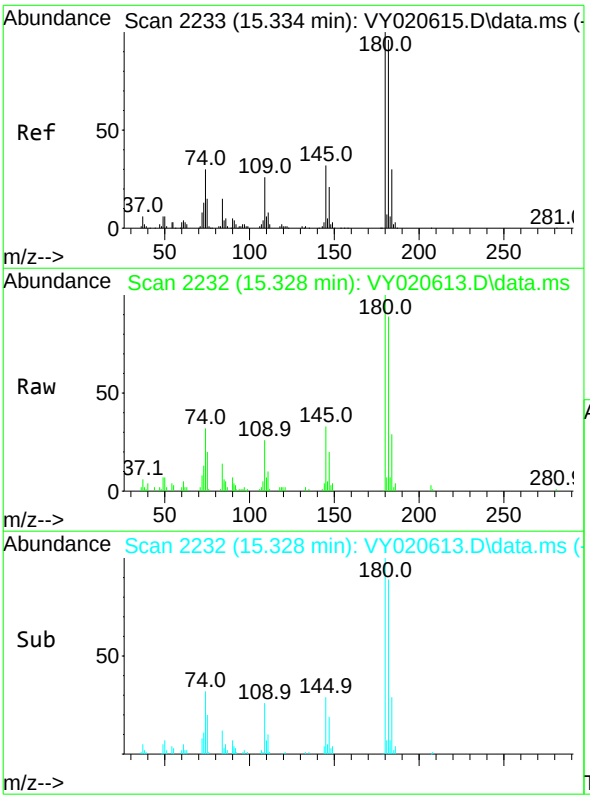
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

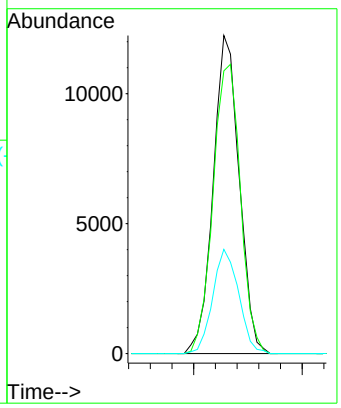
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#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

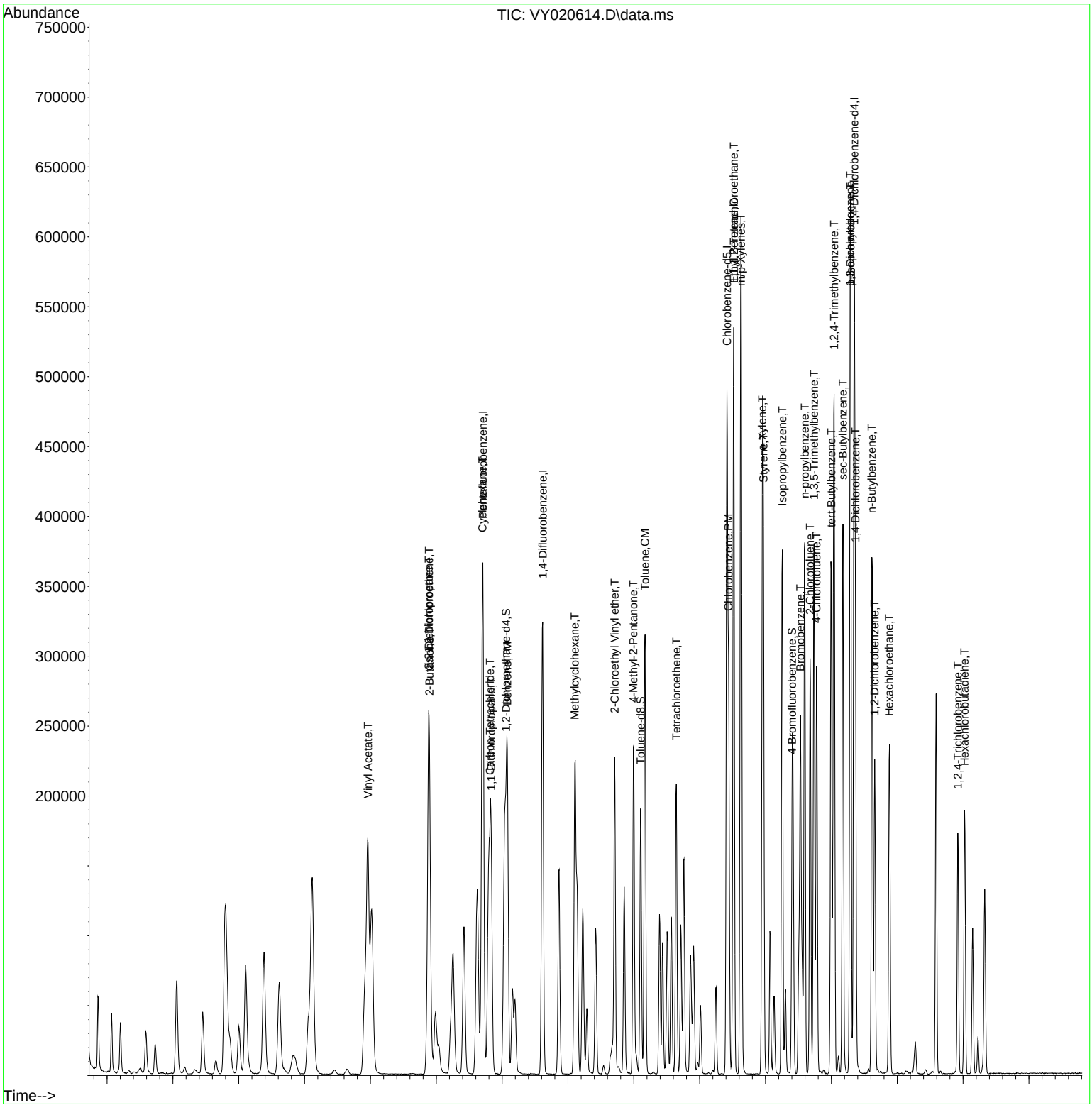
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

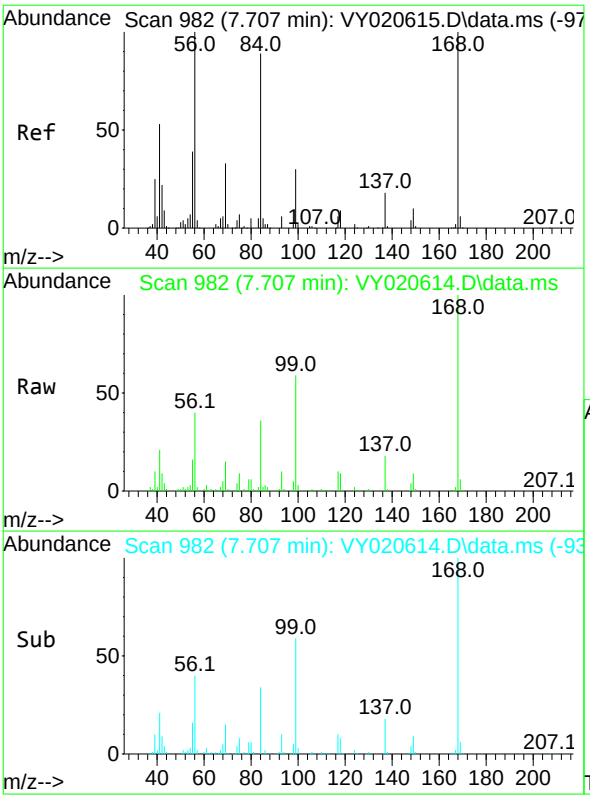
Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

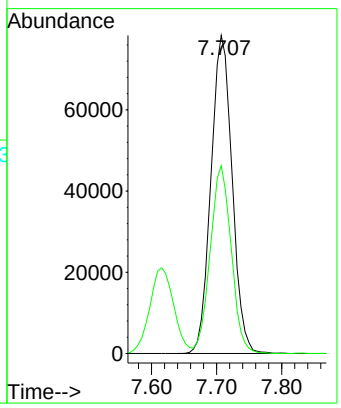




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:168 Resp: 177160

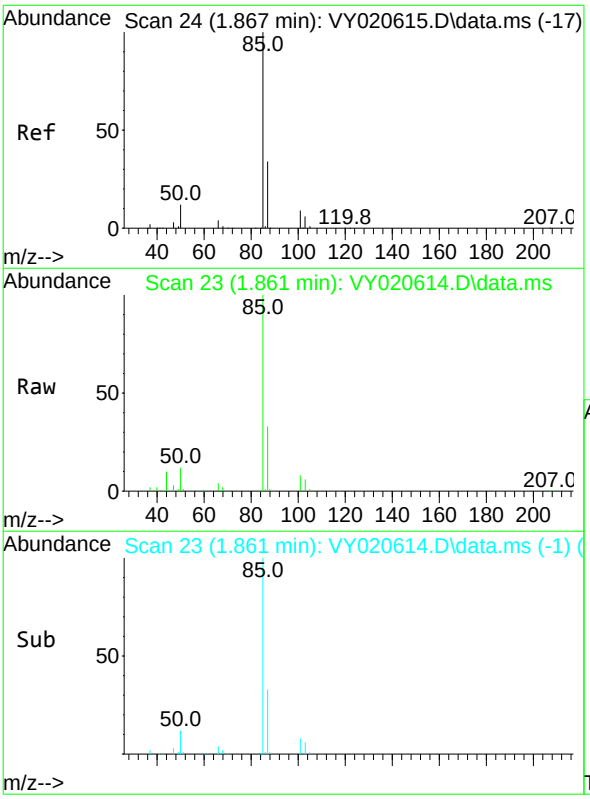
Ion	Ratio	Lower	Upper
168	100		
99	59.0	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

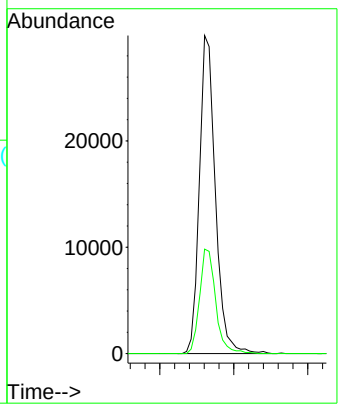
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

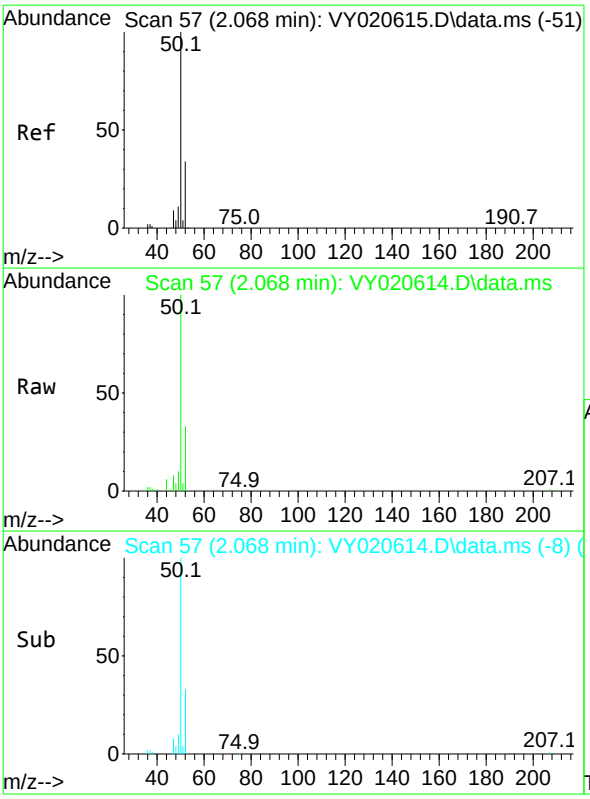


#2
Dichlorodifluoromethane
Concen: 20.280 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 85 Resp: 44875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3

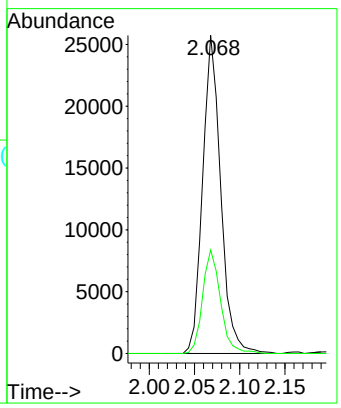




#3
Chloromethane
Concen: 21.863 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 50 Resp: 35845

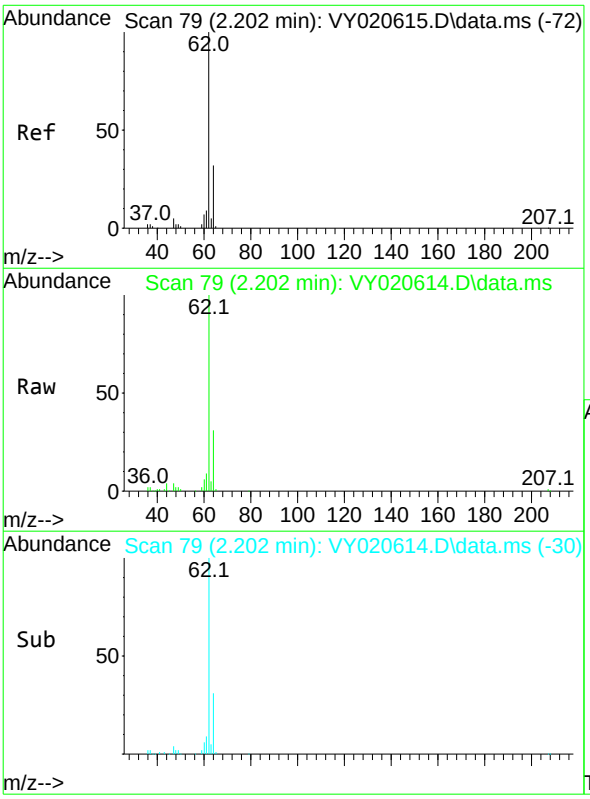
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

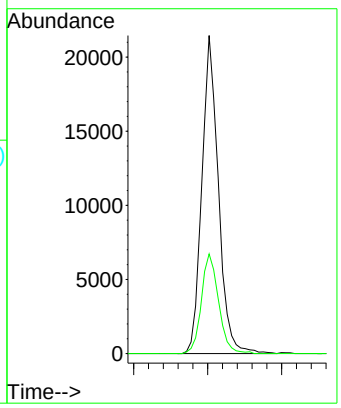
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

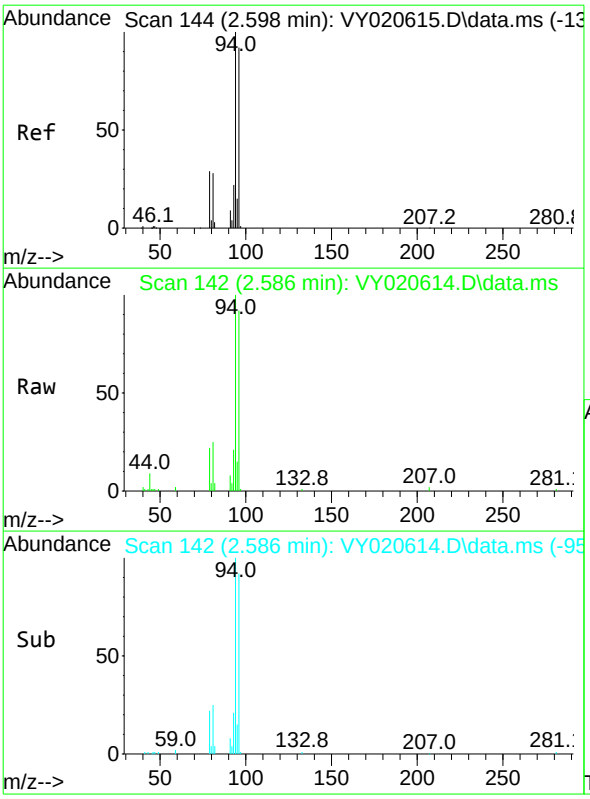


#4
Vinyl Chloride
Concen: 21.791 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 33253

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9

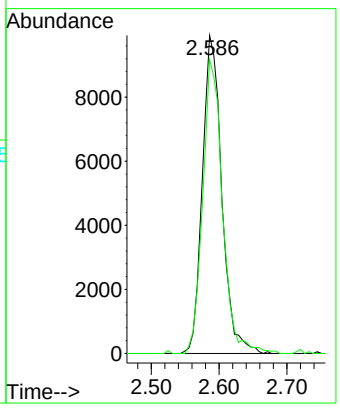




#5
Bromomethane
Concen: 20.142 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 94 Resp: 19758

Ion	Ratio	Lower	Upper
94	100		
96	92.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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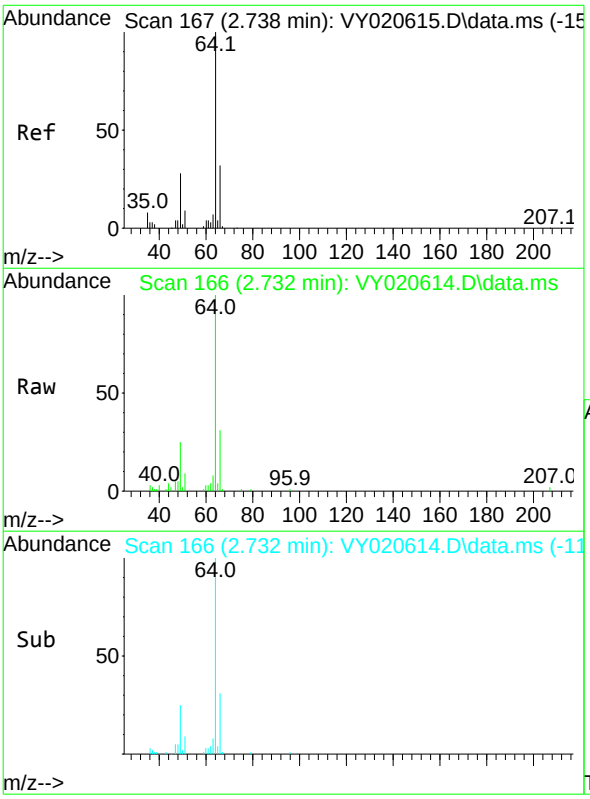
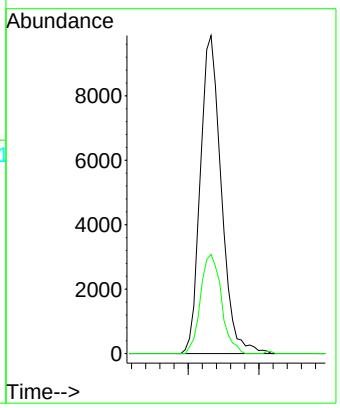
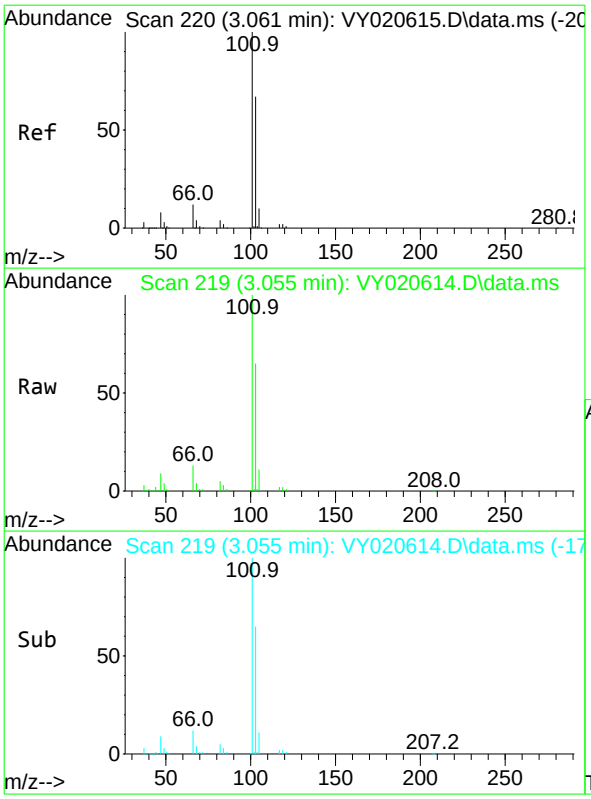


#6
Chloroethane
Concen: 21.539 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 64 Resp: 20312

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6

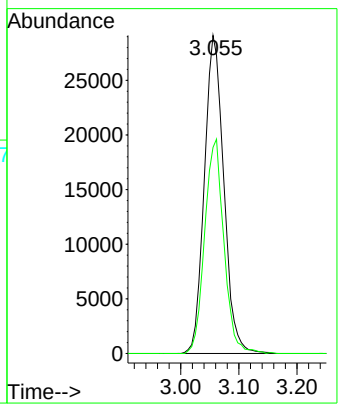




#7
Trichlorofluoromethane
Concen: 21.169 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:101 Resp: 67594

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.0



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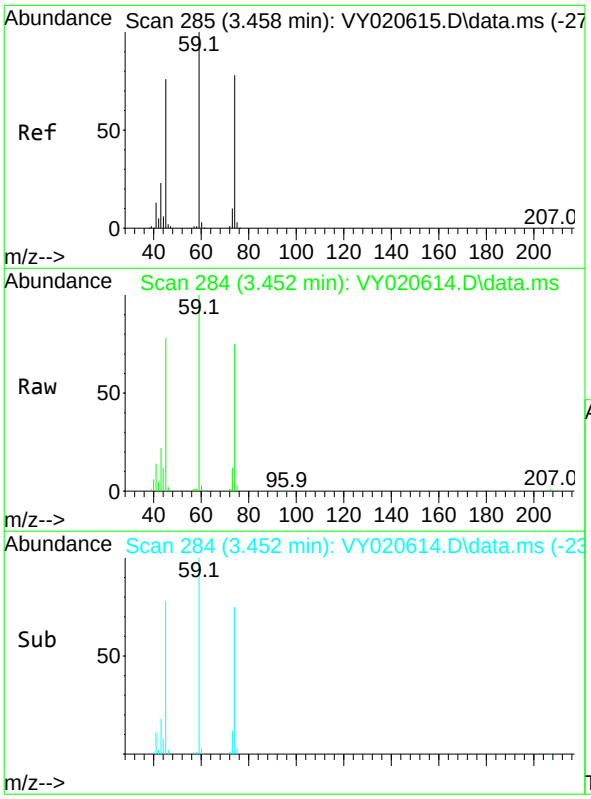
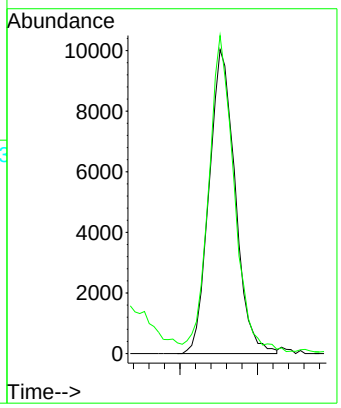
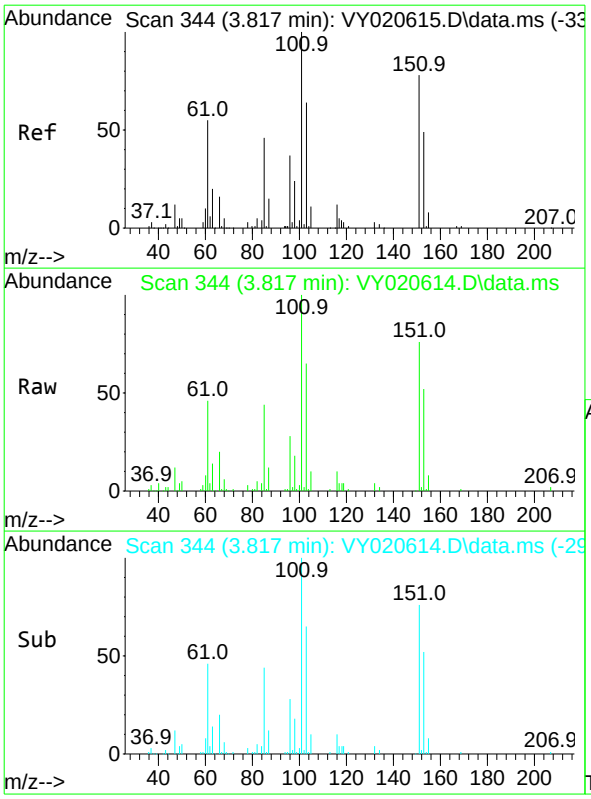


#8
Diethyl Ether
Concen: 20.878 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

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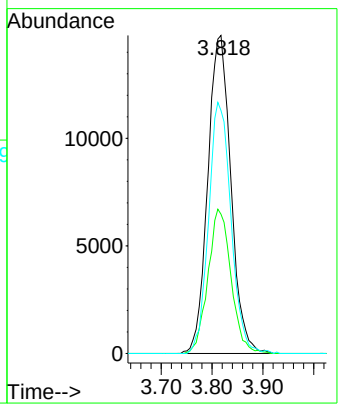
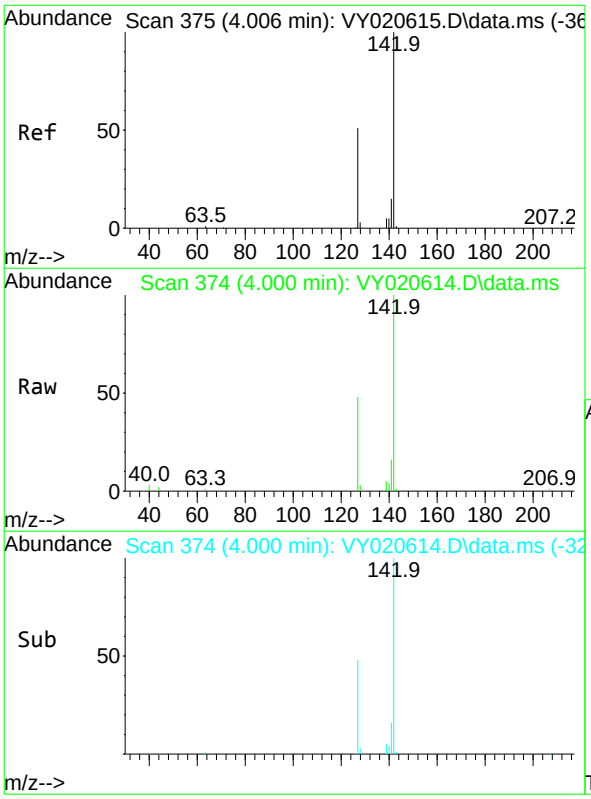
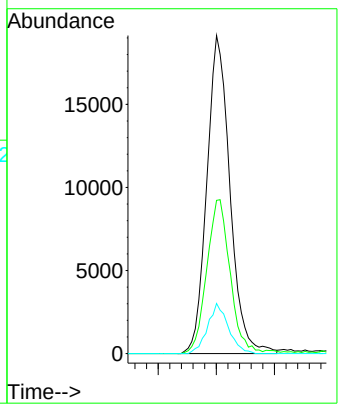


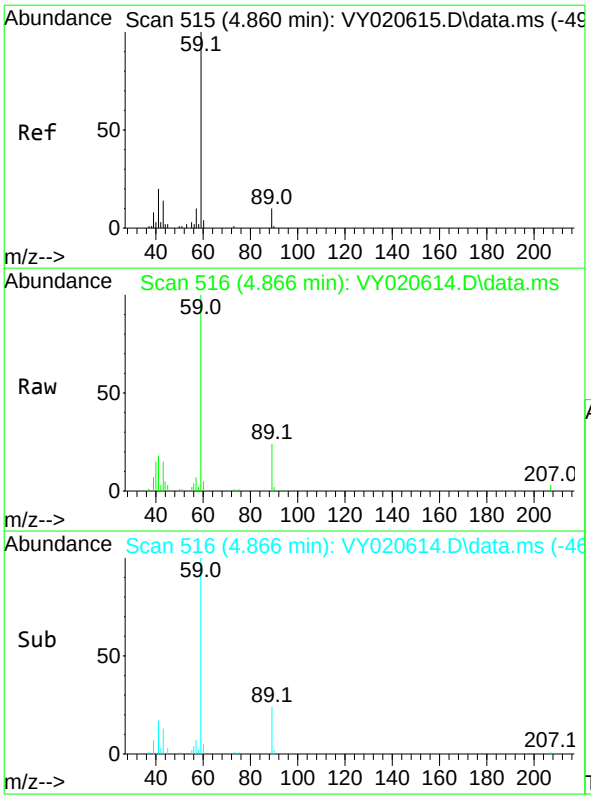


#10
Methyl Iodide
Concen: 20.758 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

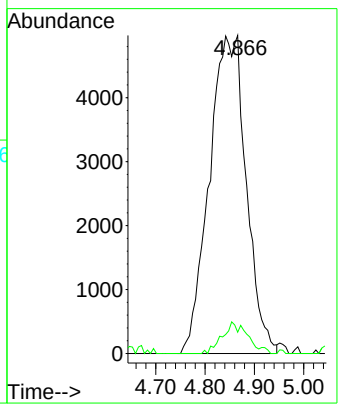




#11
Tert butyl alcohol
Concen: 106.274 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 59 Resp: 25807

Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.4	11.0#



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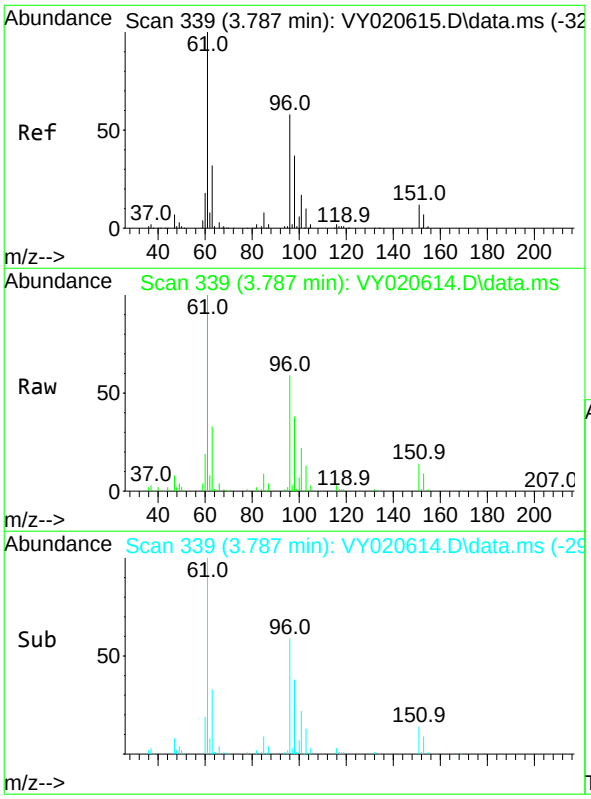
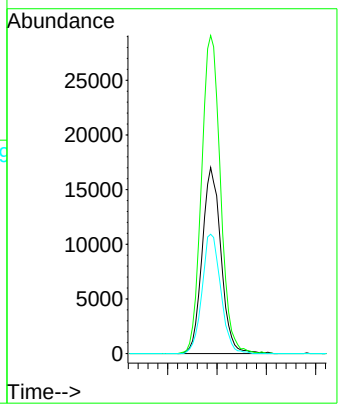
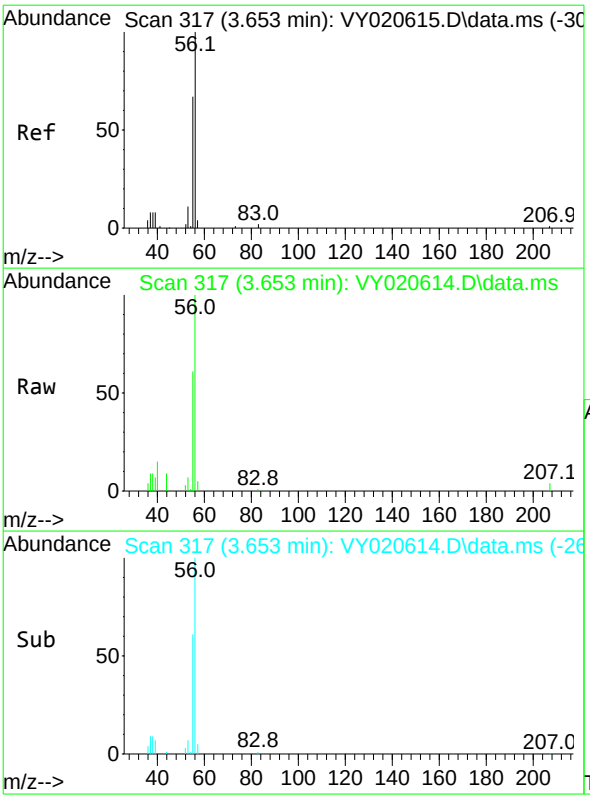


#12
1,1-Dichloroethene
Concen: 20.319 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

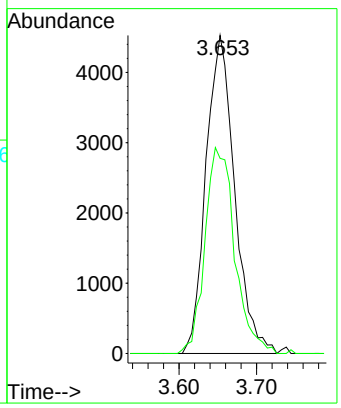




#13
Acrolein
Concen: 126.557 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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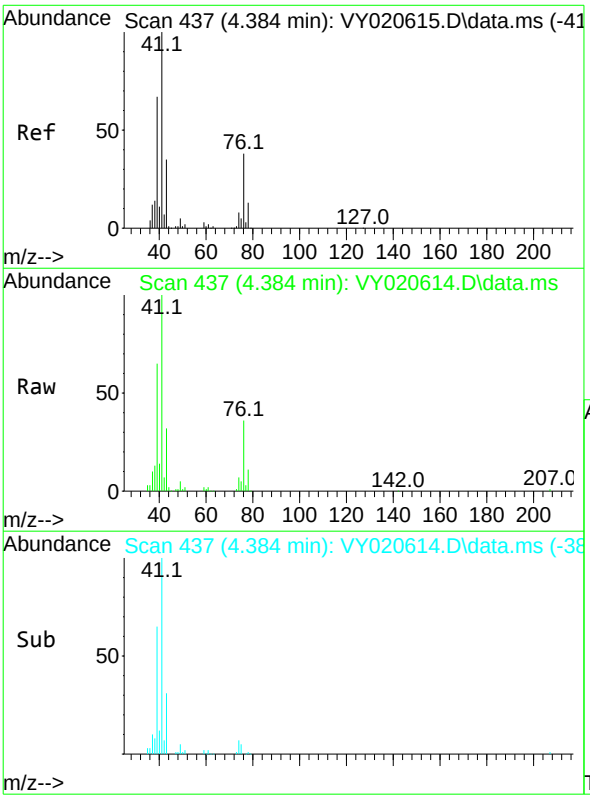
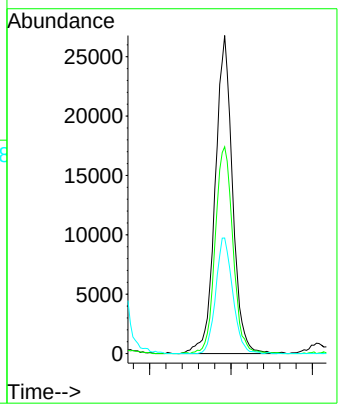
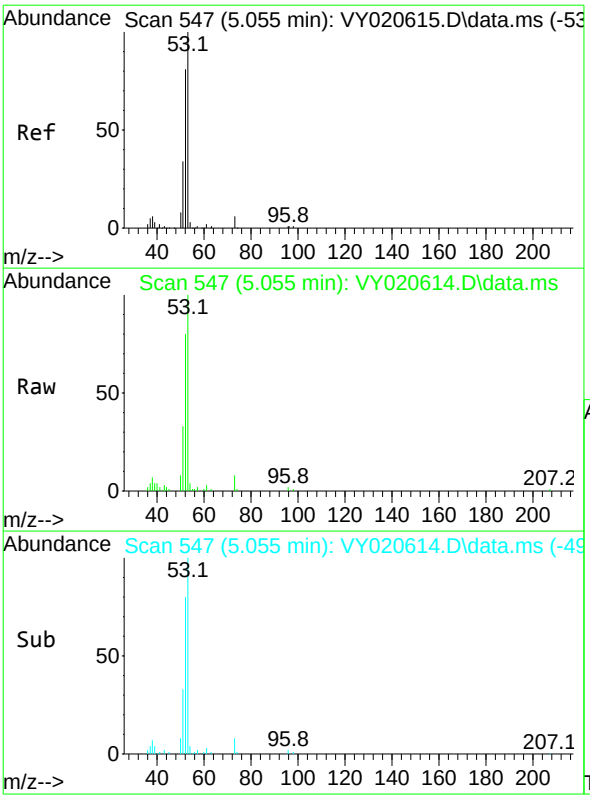


#14
Allyl chloride
Concen: 20.368 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
VSTDICC020

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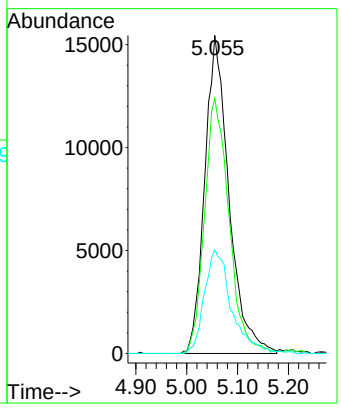
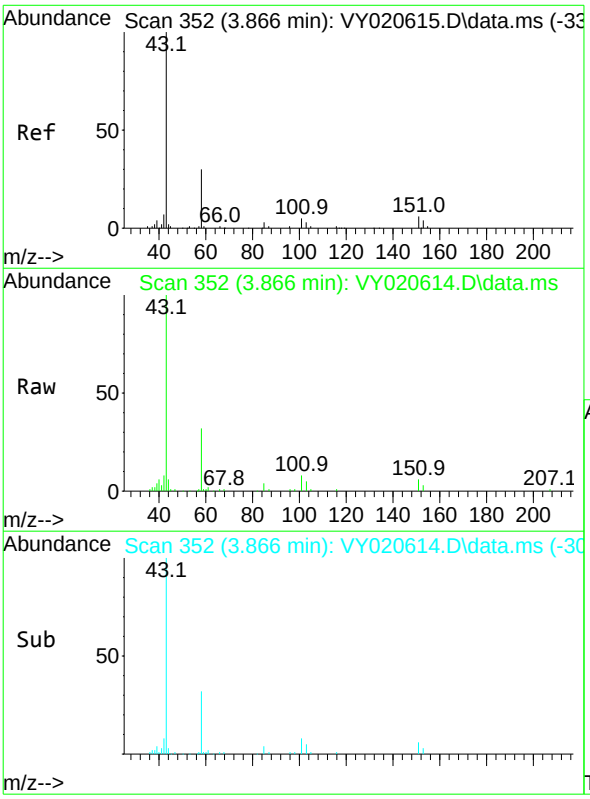
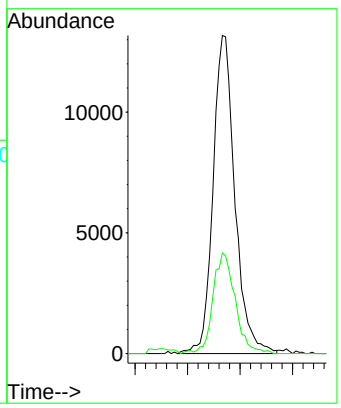


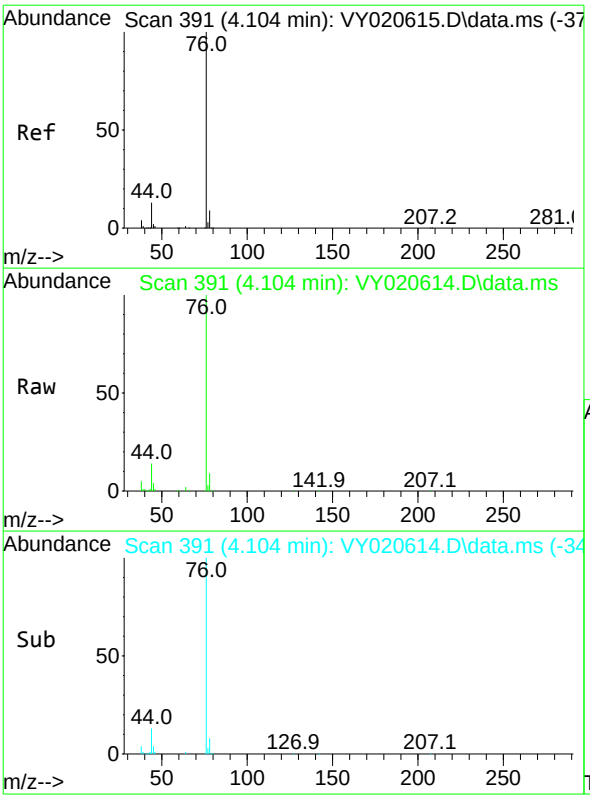


#16
Acetone
Concen: 94.781 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 38075

Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.0	37.6

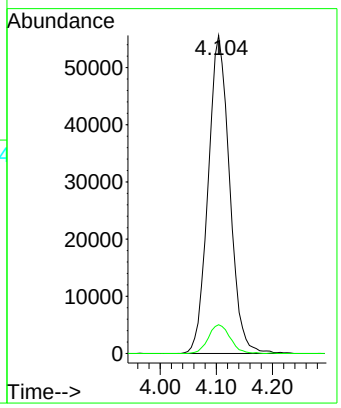




#17
Carbon Disulfide
Concen: 20.416 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 76 Resp: 147576

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
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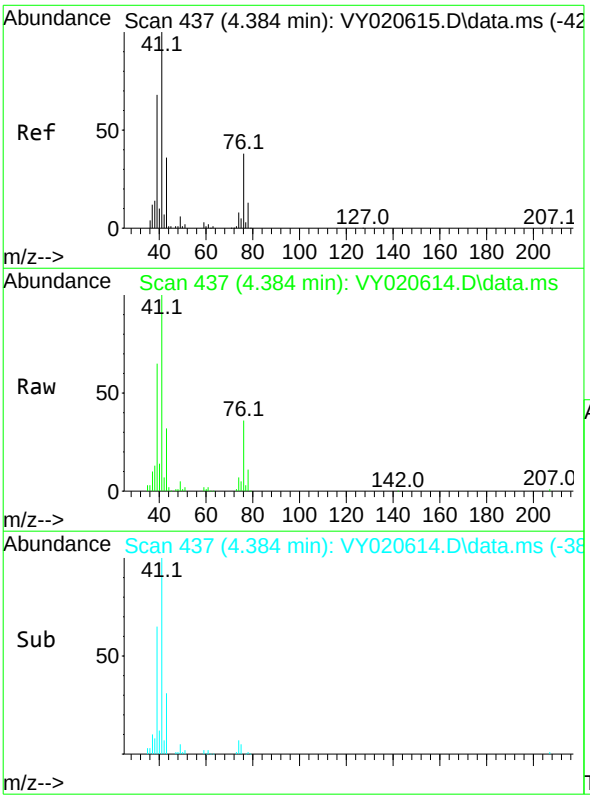
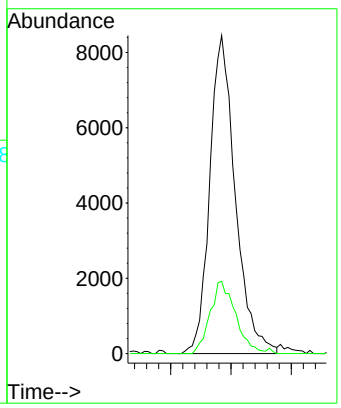
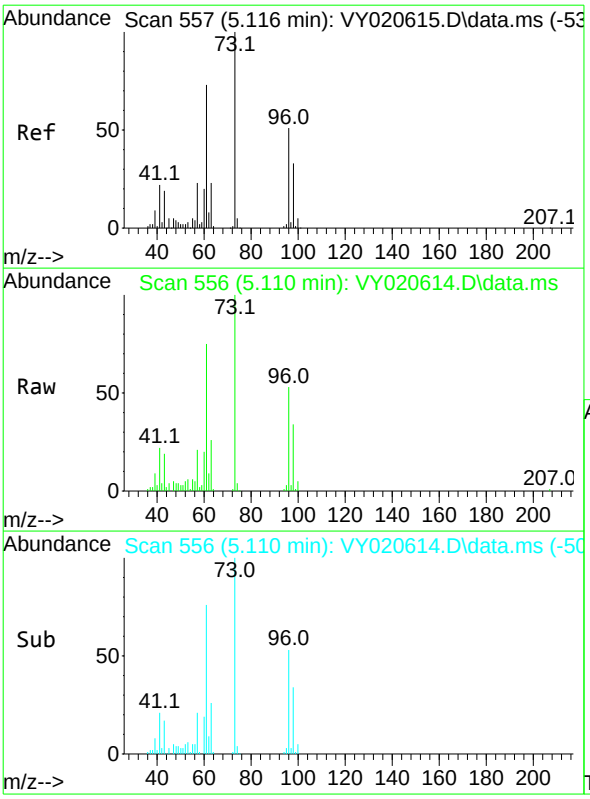


#18
Methyl Acetate
Concen: 18.851 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 24886

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8

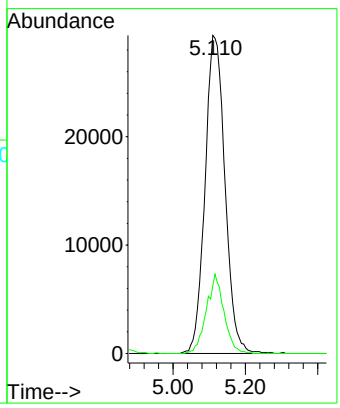




#19
Methyl tert-butyl Ether
Concen: 19.582 ug/l
RT: 5.110 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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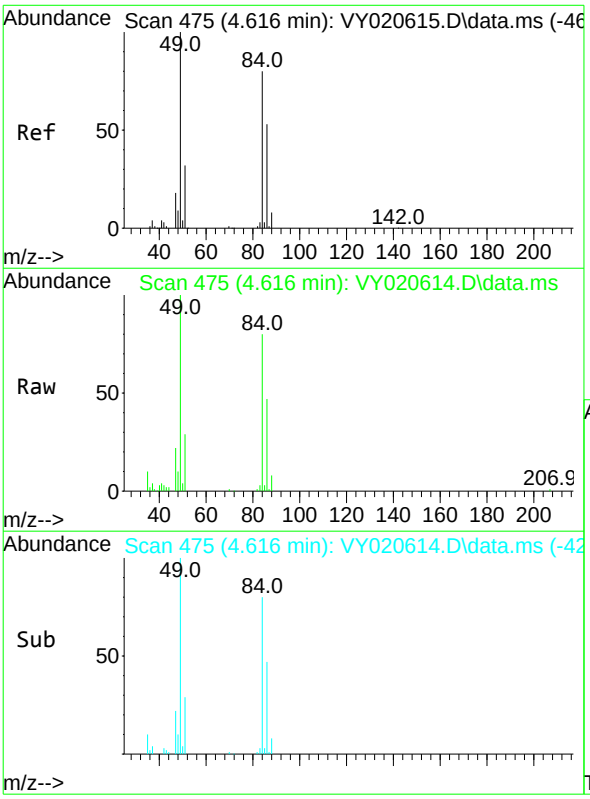
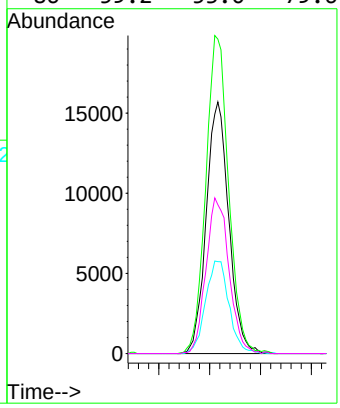
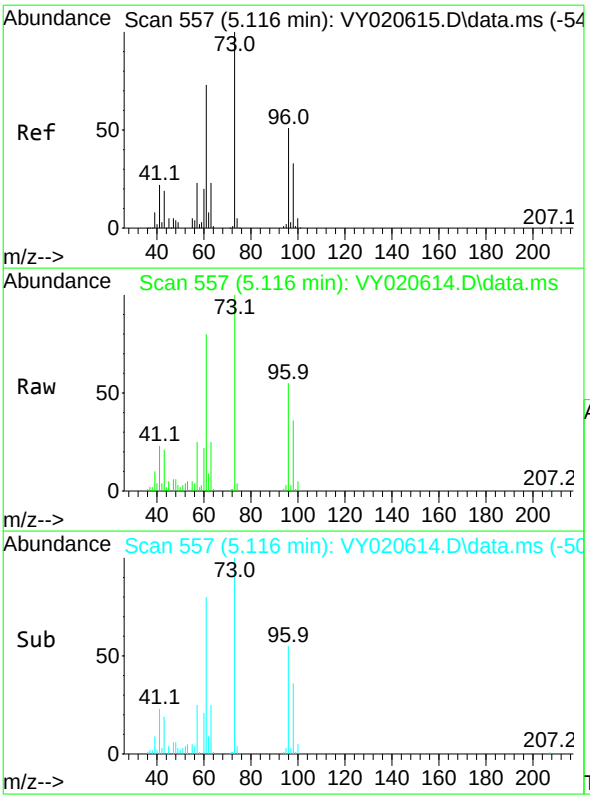


#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

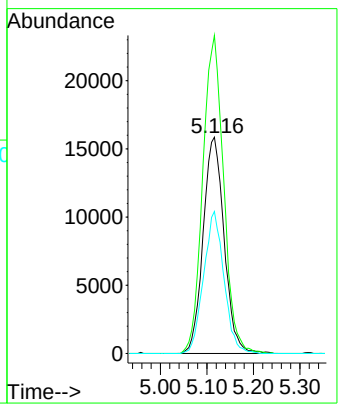




#21
trans-1,2-Dichloroethene
Concen: 19.997 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
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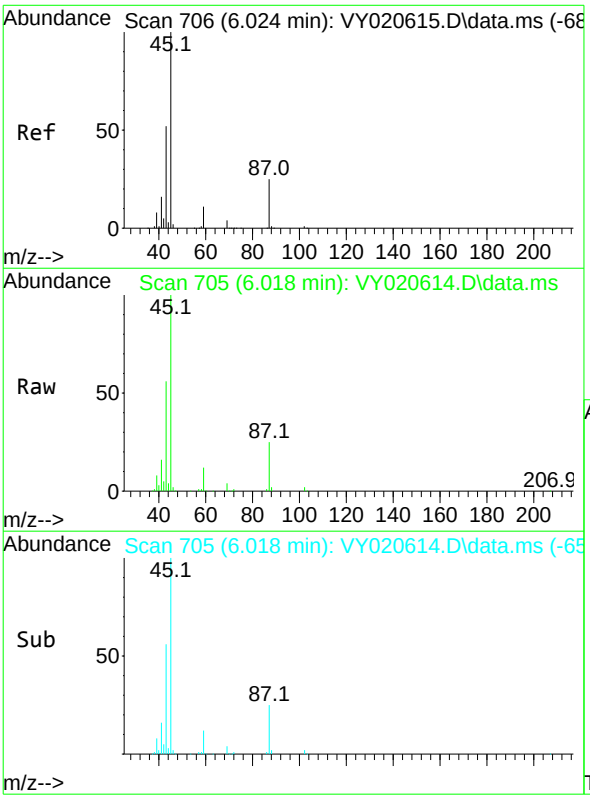
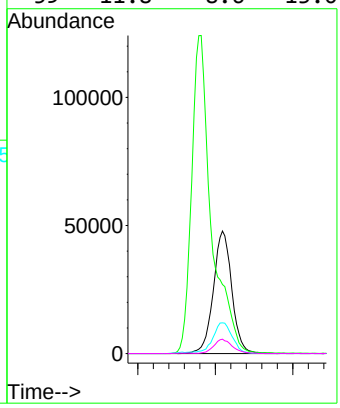
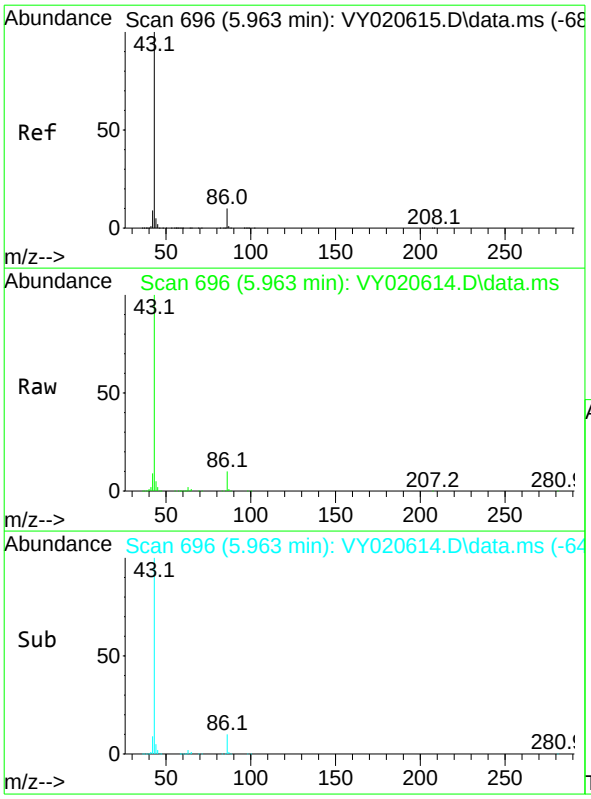


#22
Diisopropyl ether
Concen: 20.055 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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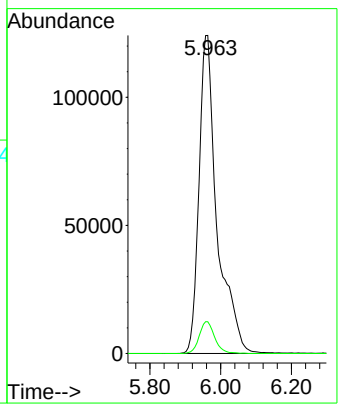
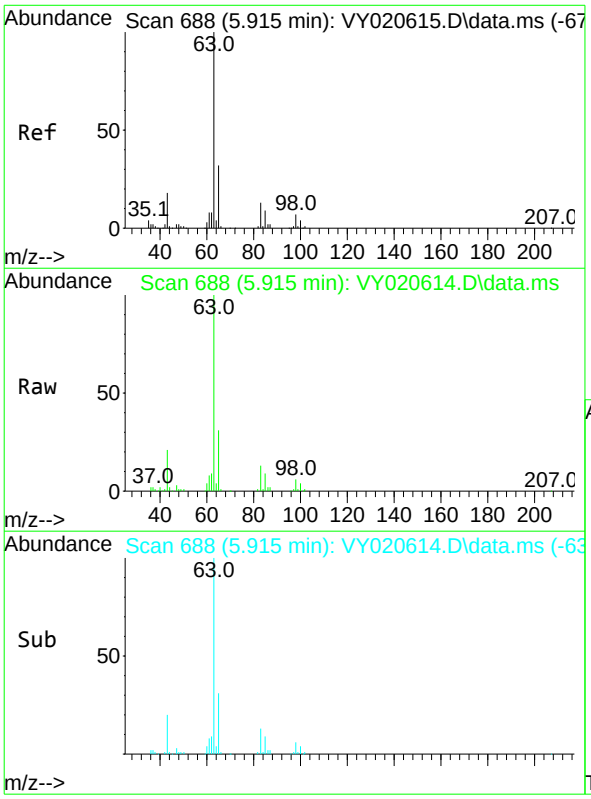
Supervised By :Semsettin Yesilyurt 12/18/2024

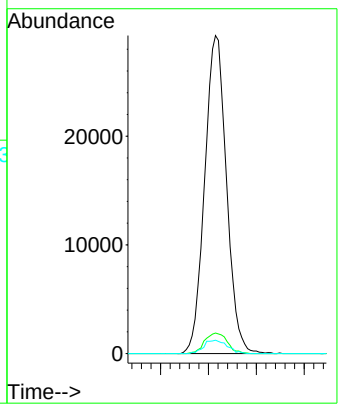


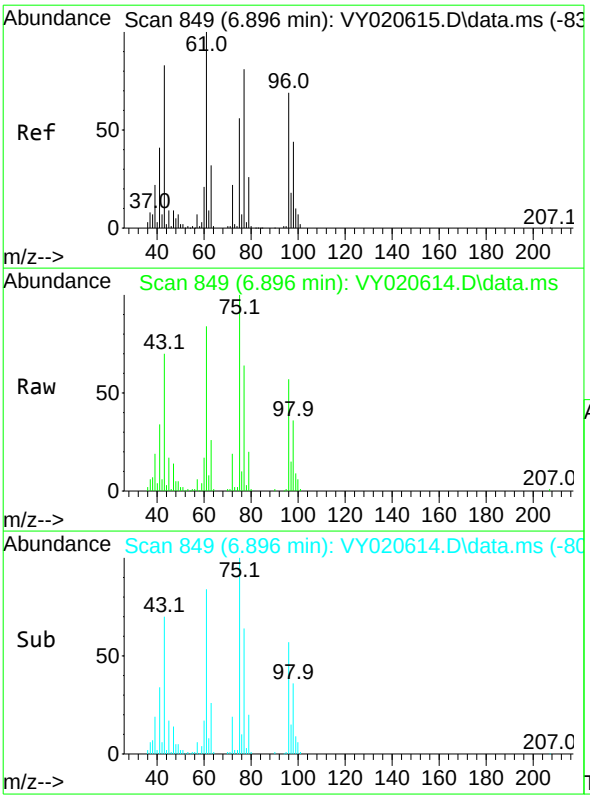


#24
1,1-Dichloroethane
Concen: 20.011 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

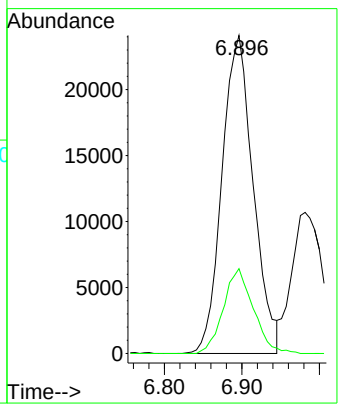




#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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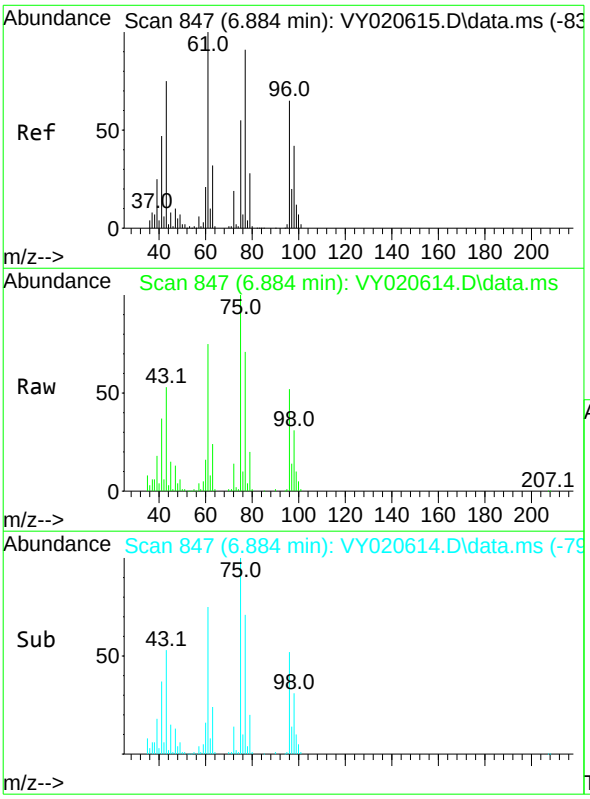
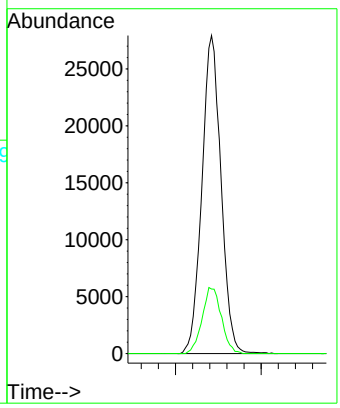
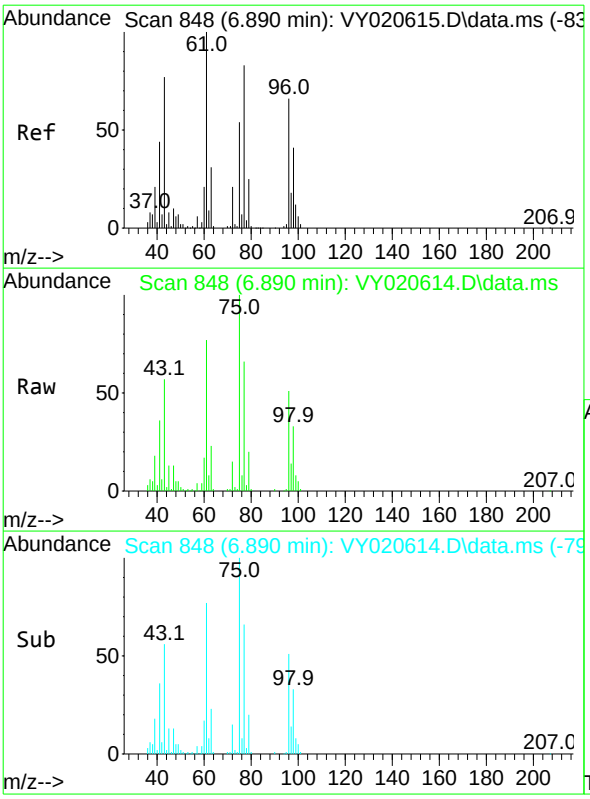


#26
2,2-Dichloropropane
Concen: 19.750 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 77 Resp: 86393

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.9	32.6

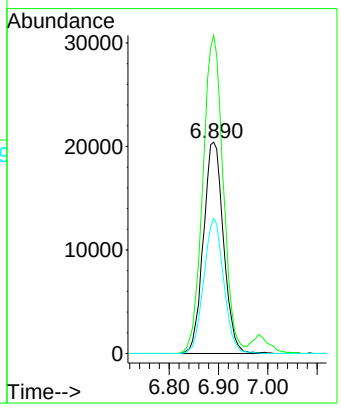




#27
cis-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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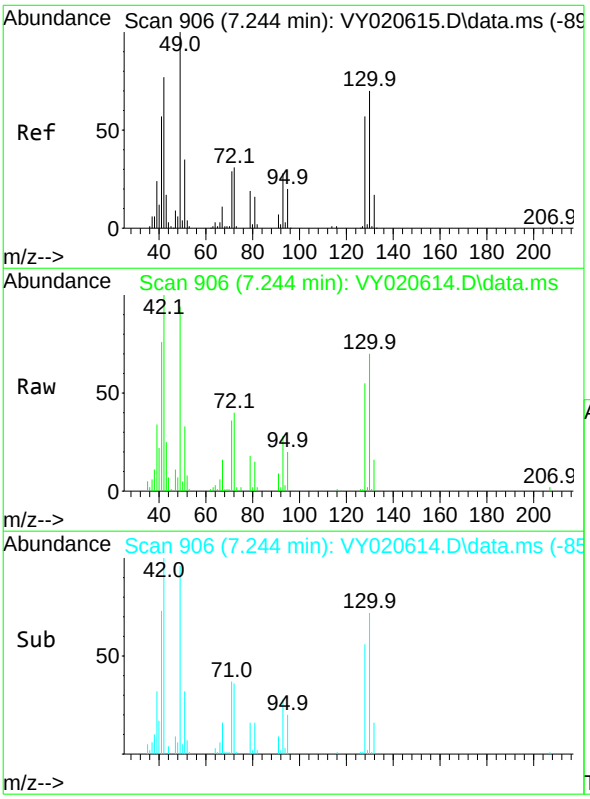
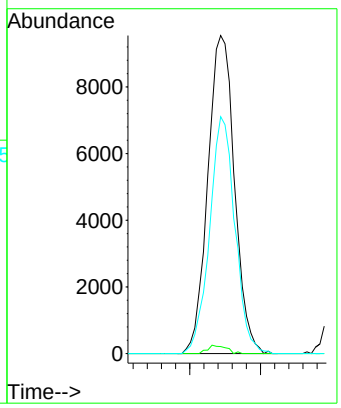
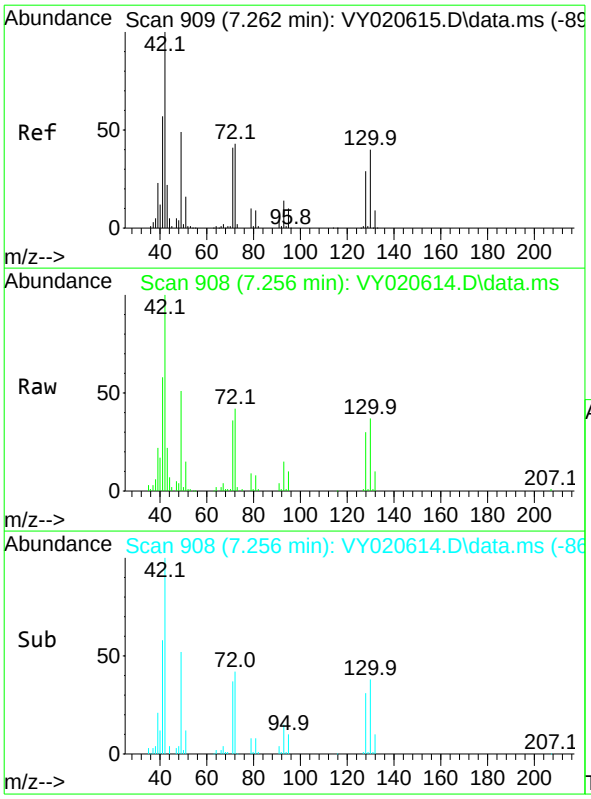


#28
Bromochloromethane
Concen: 16.009 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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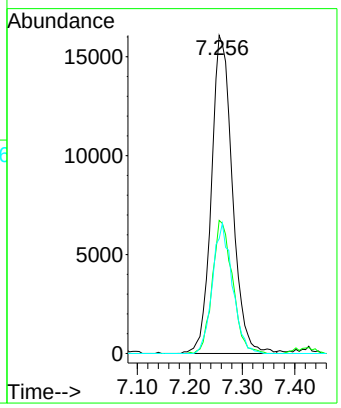
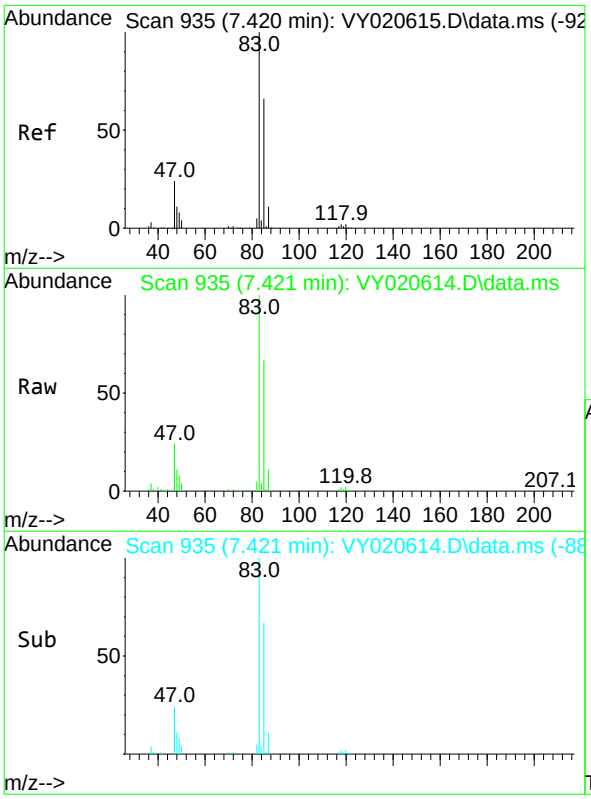
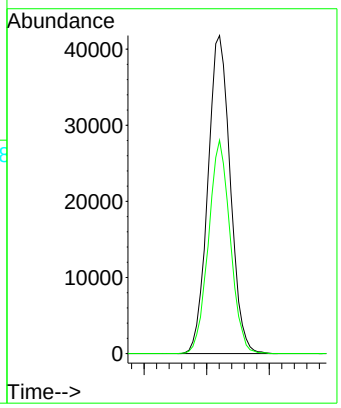


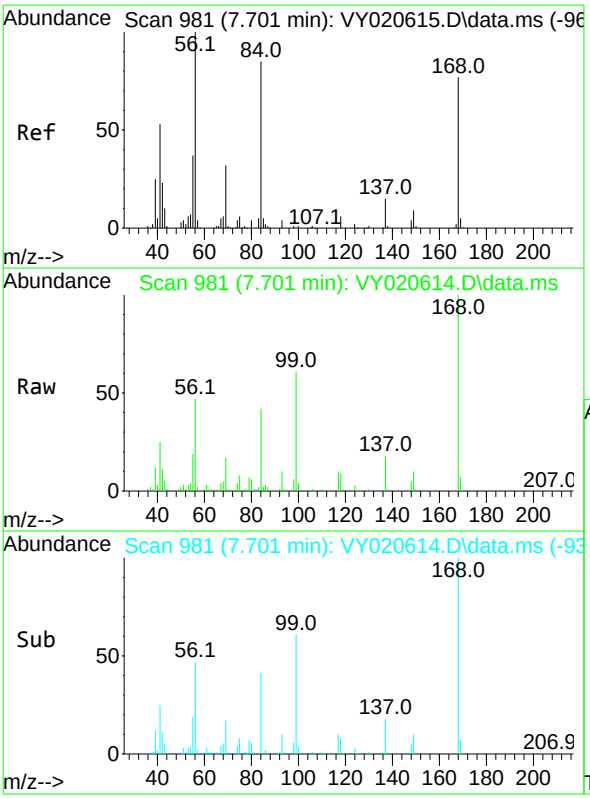


#30
Chloroform
Concen: 19.065 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 103806

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.7	79.1

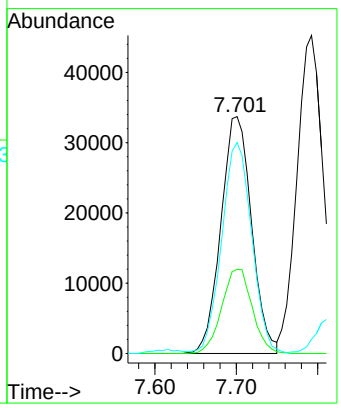




#31
Cyclohexane
Concen: 19.966 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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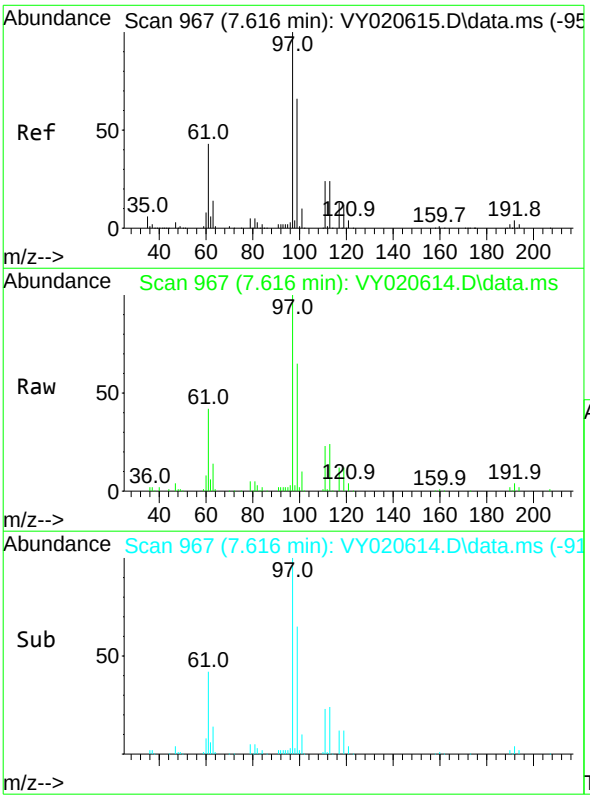
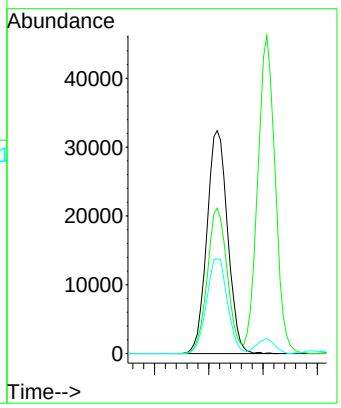
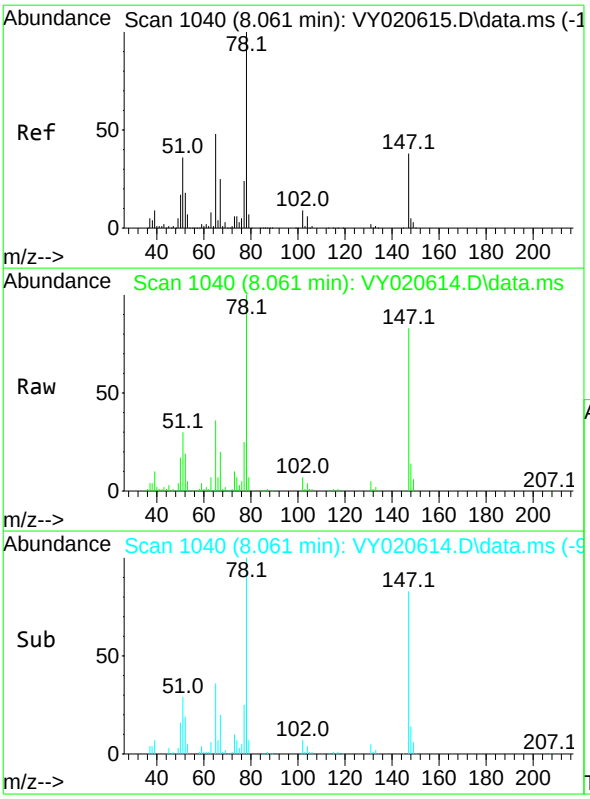


#32
1,1,1-Trichloroethane
Concen: 20.249 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

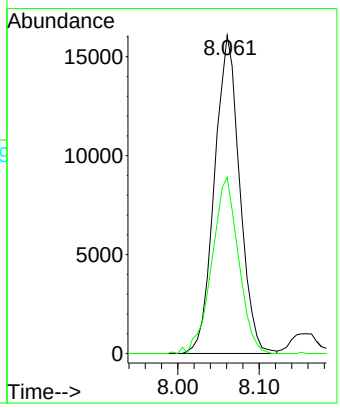




#33
1,2-Dichloroethane-d4
Concen: 17.777 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 65 Resp: 34492

Ion	Ratio	Lower	Upper
65	100		
67	58.8	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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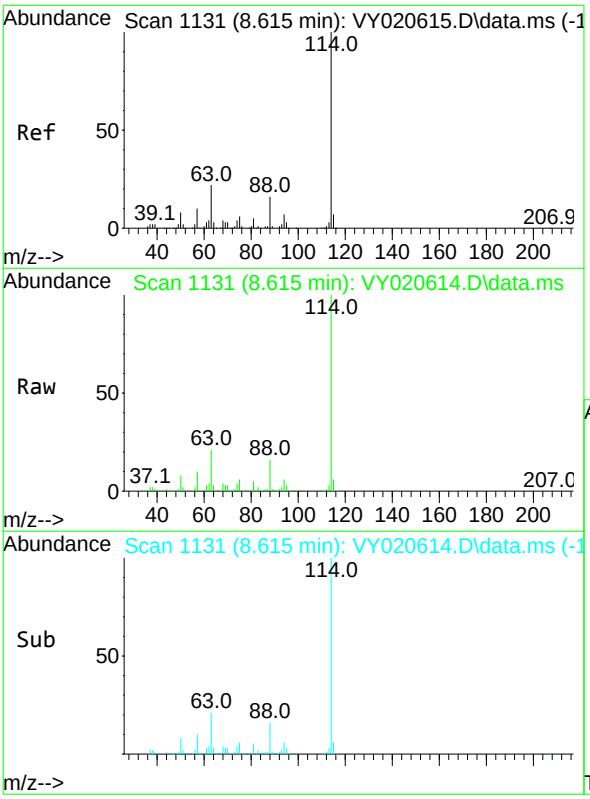
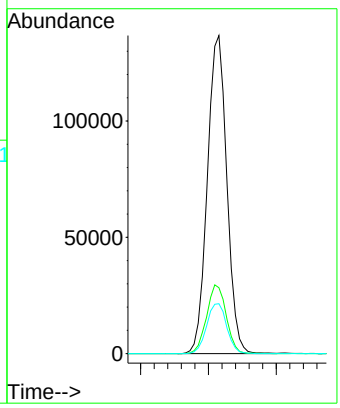
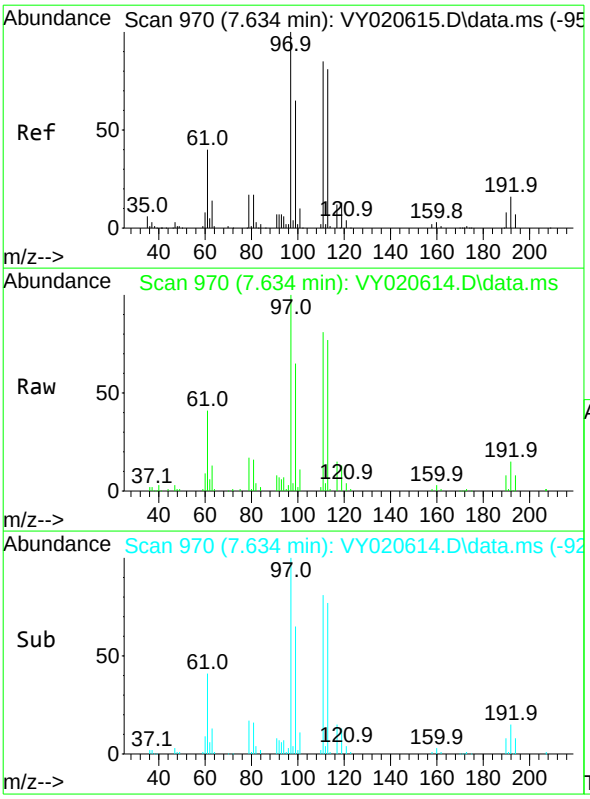


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

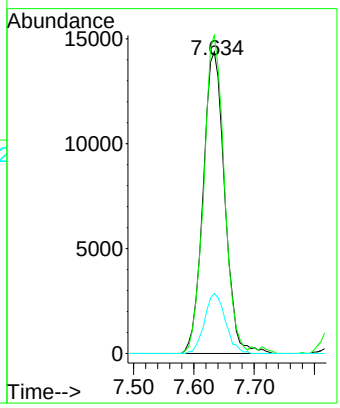




#35
Dibromofluoromethane
Concen: 18.603 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
MSVOA_Y
ClientSampleId :
VSTDICC020

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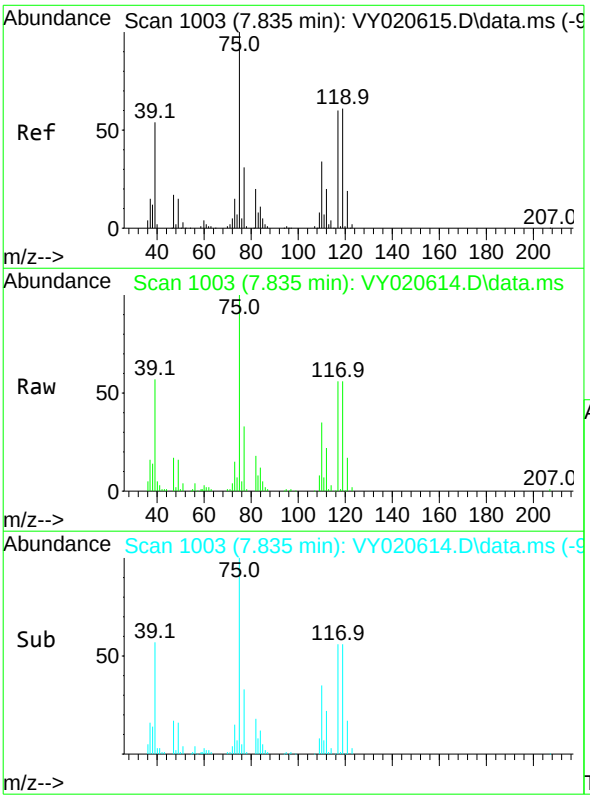
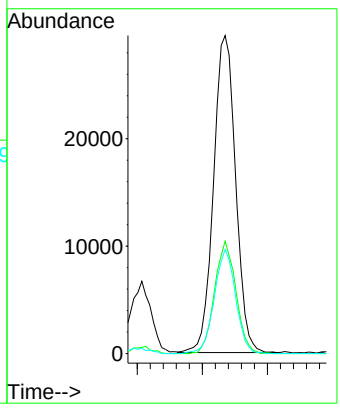
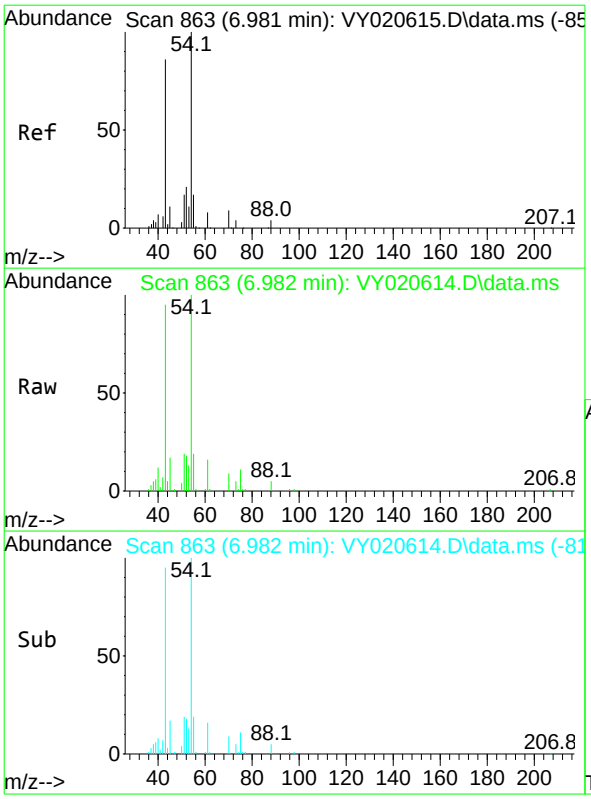


#36
1,1-Dichloropropene
Concen: 19.828 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

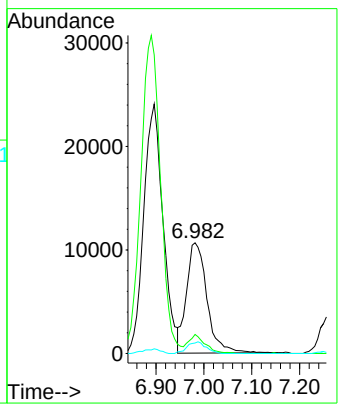




#37
Ethyl Acetate
Concen: 19.166 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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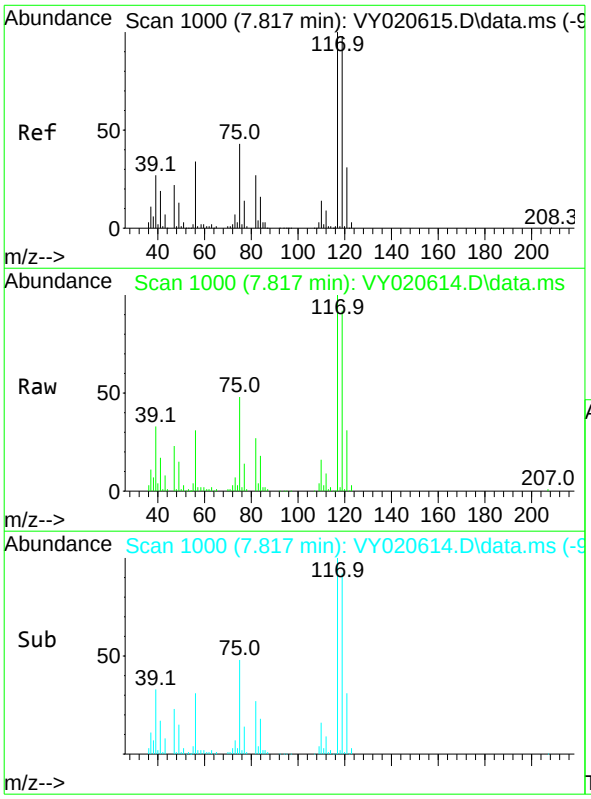
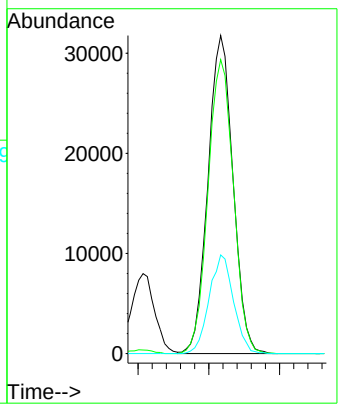
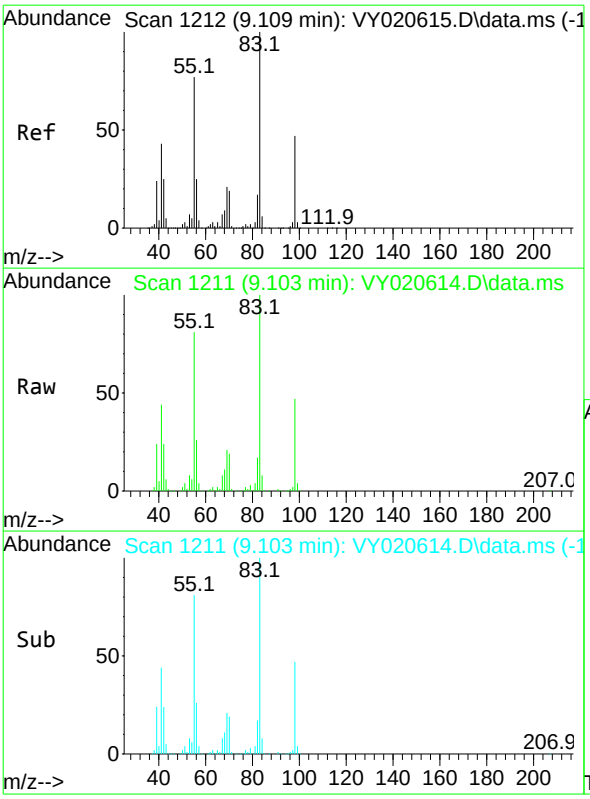


#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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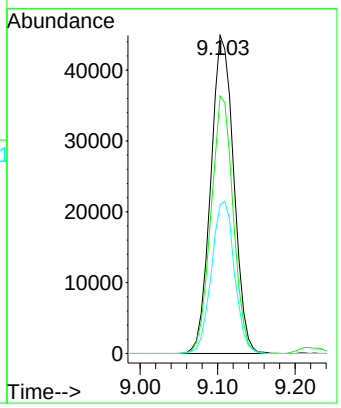
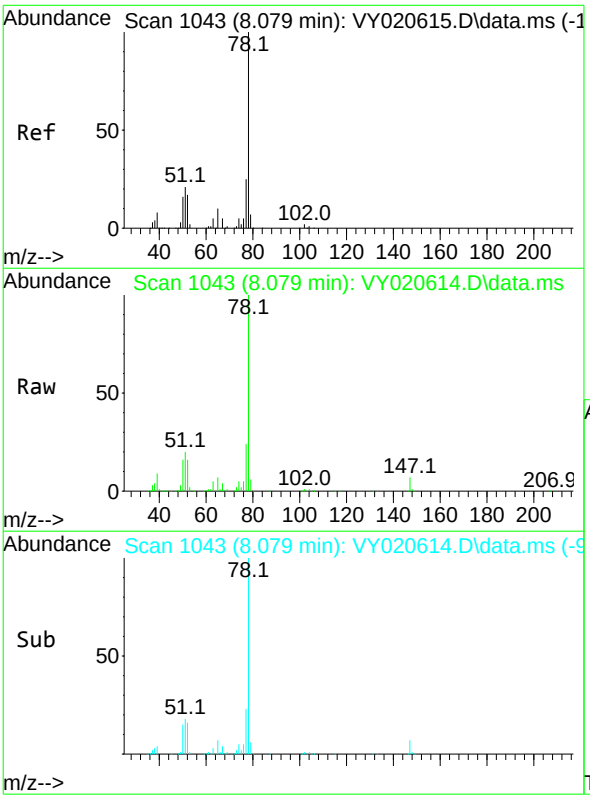
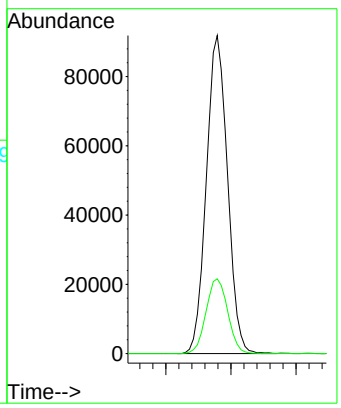


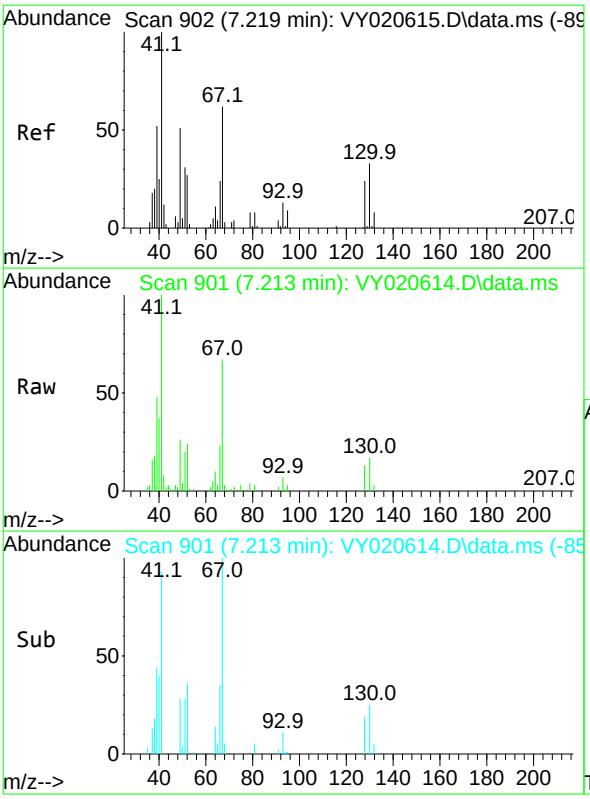


#40
Benzene
Concen: 20.176 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 78 Resp: 207185

Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.1	30.1

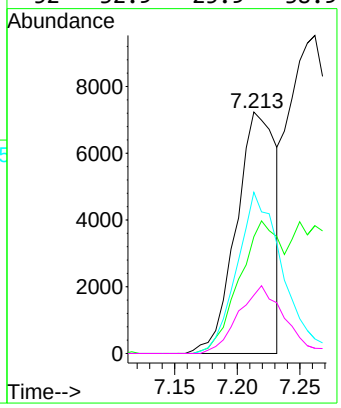




#41
Methacrylonitrile
Concen: 18.232 ug/l
RT: 7.213 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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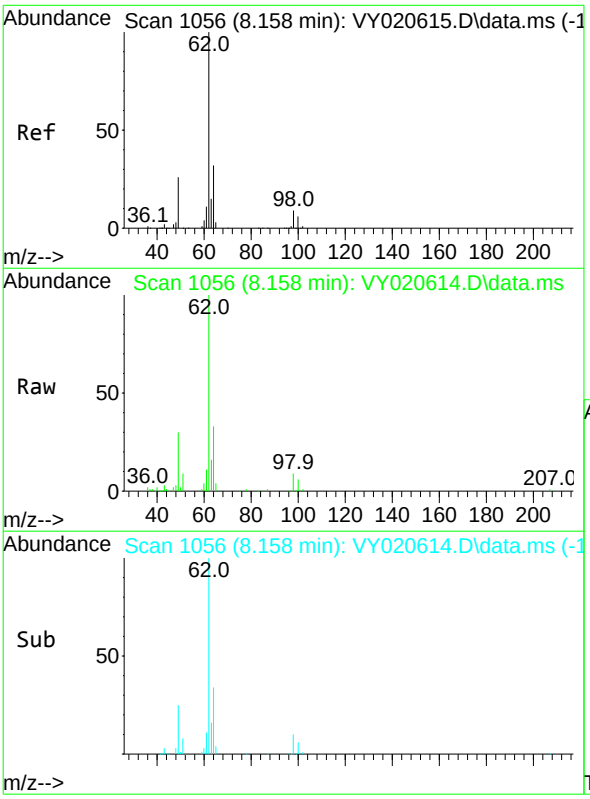
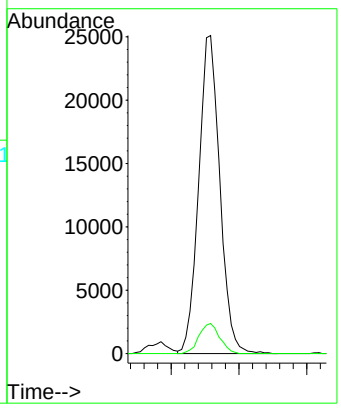
Supervised By :Semsettin Yesilyurt 12/18/2024

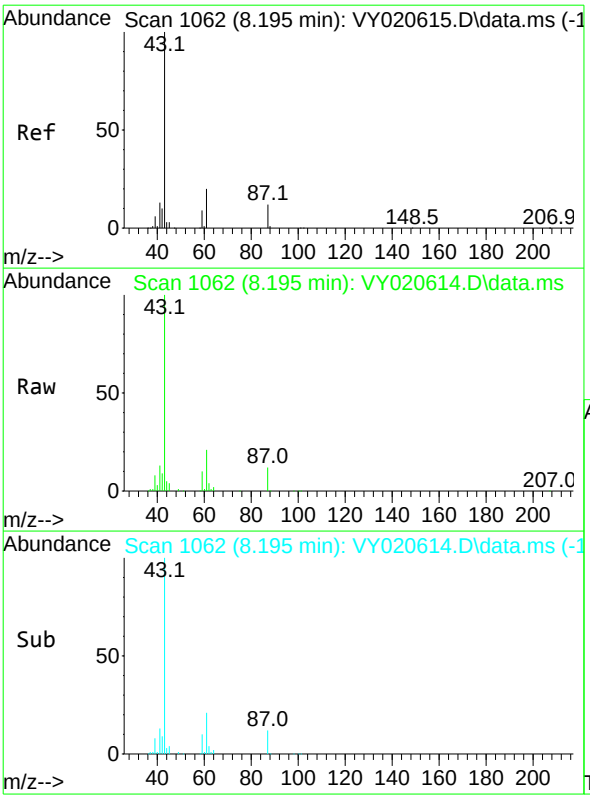


#42
1,2-Dichloroethane
Concen: 19.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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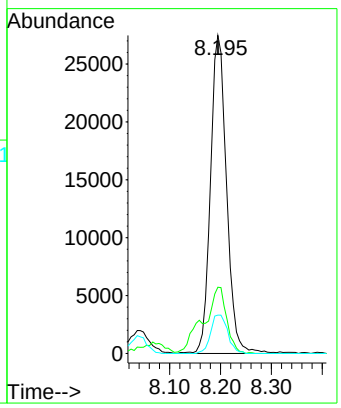
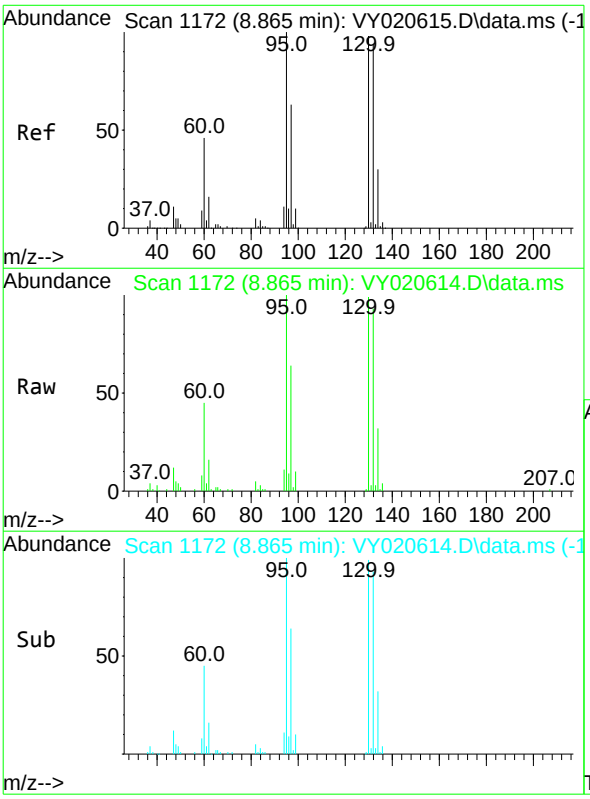
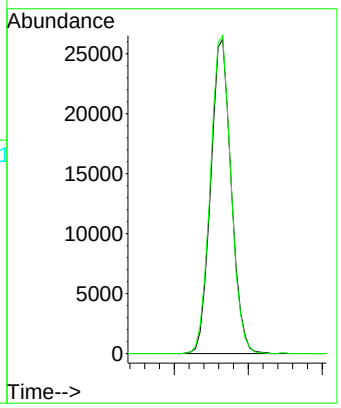


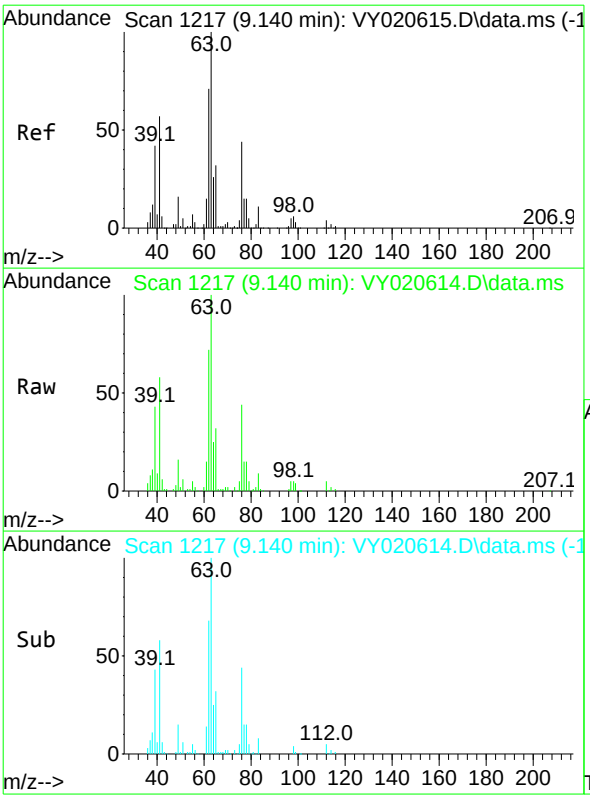


#44
Trichloroethene
Concen: 19.952 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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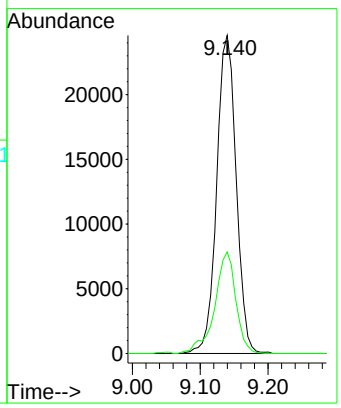
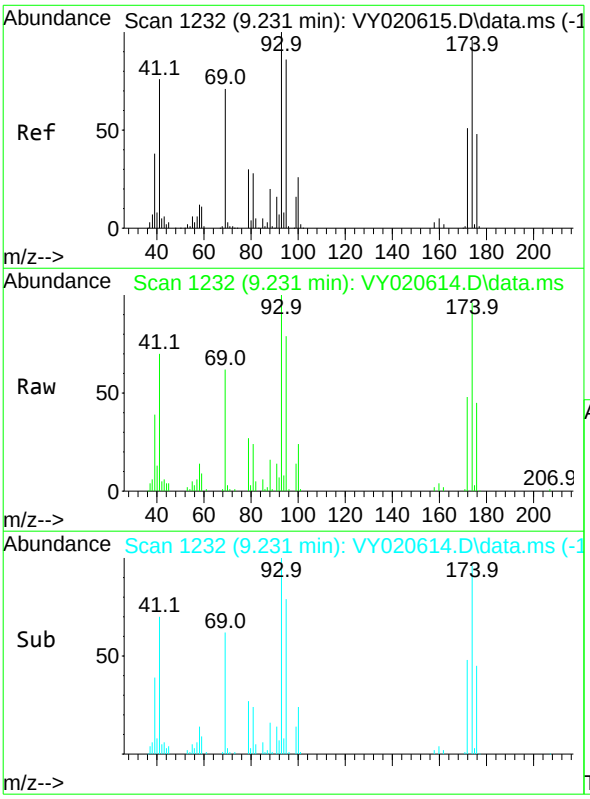
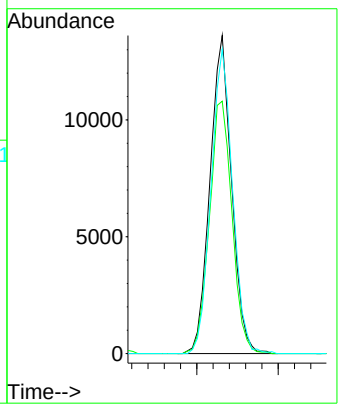


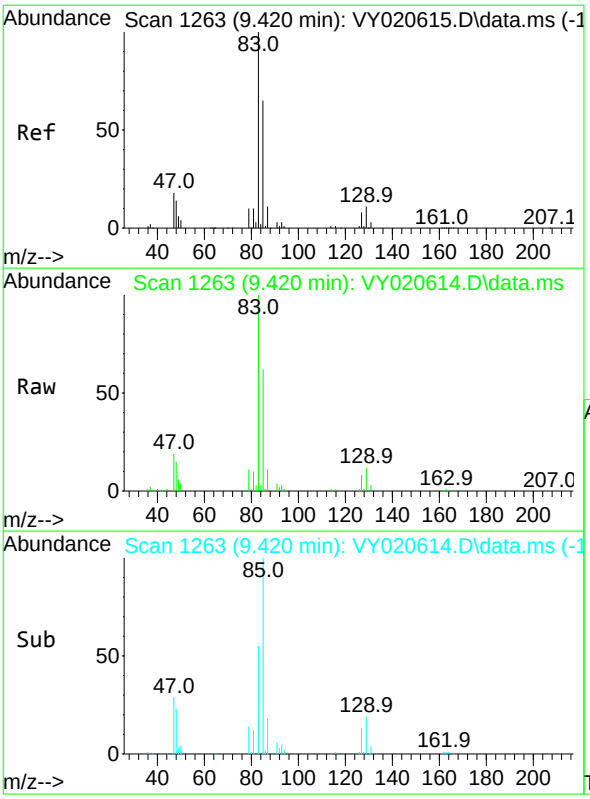


#46
Dibromomethane
Concen: 19.753 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

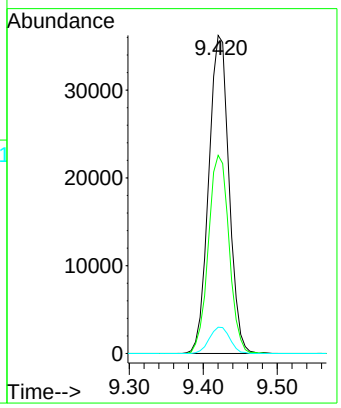




#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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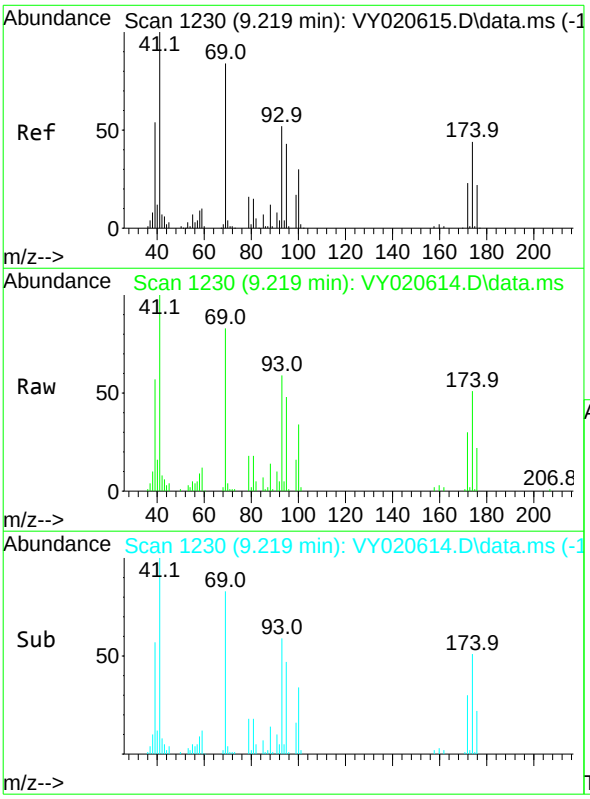
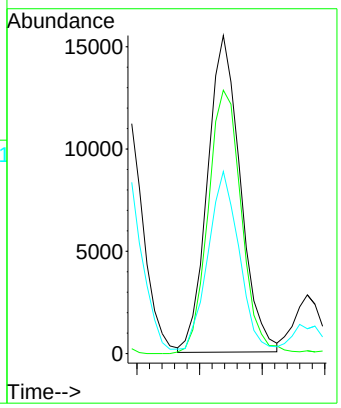
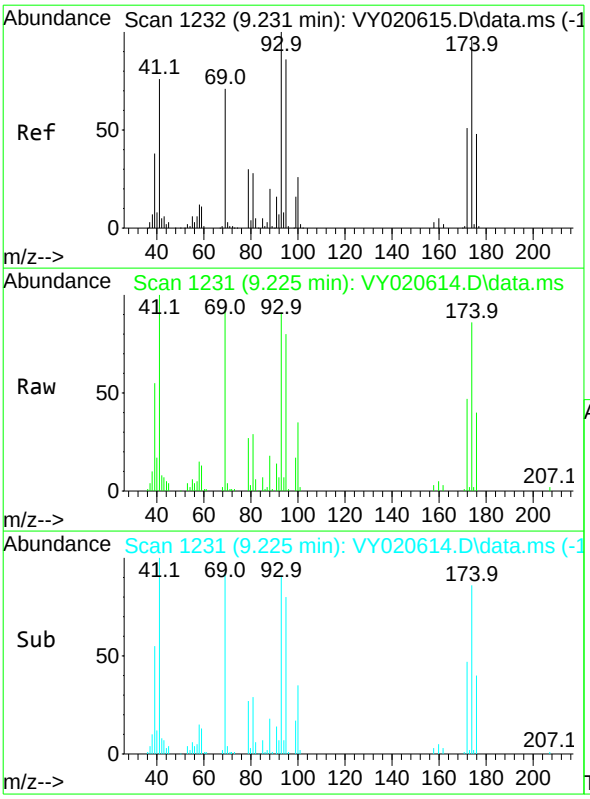


#48
Methyl methacrylate
Concen: 19.051 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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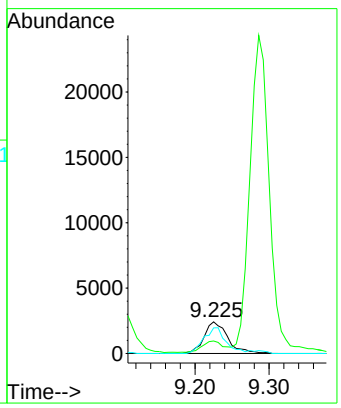
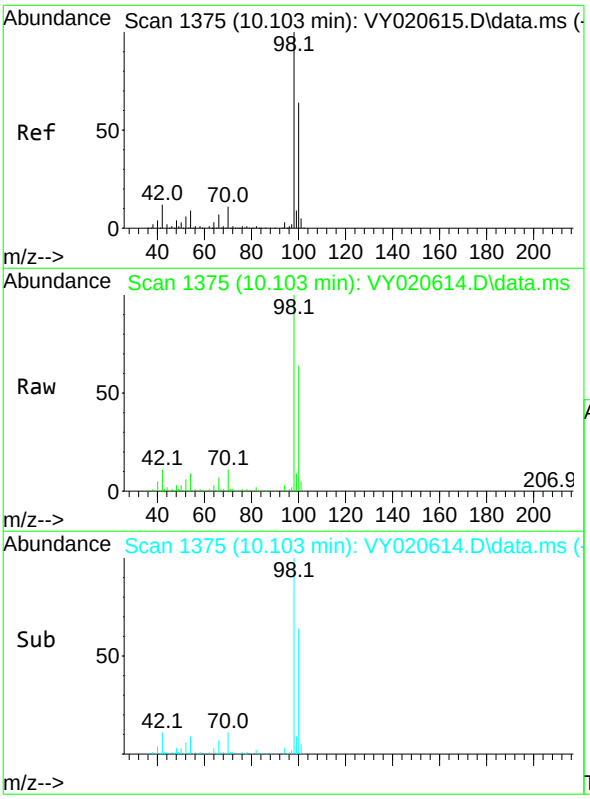
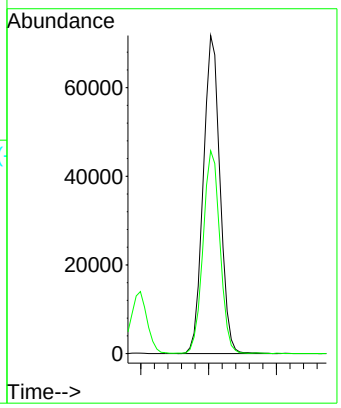


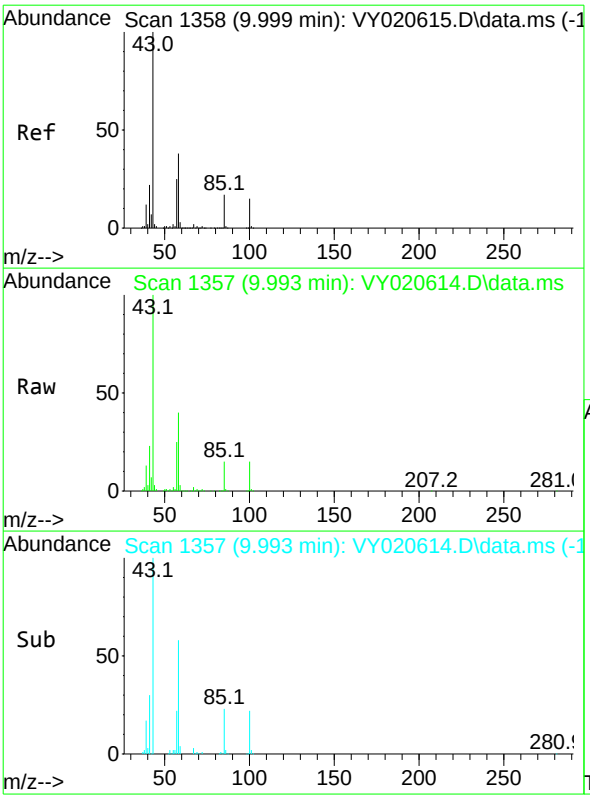


#50
Toluene-d8
Concen: 18.267 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 98 Resp: 122846

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

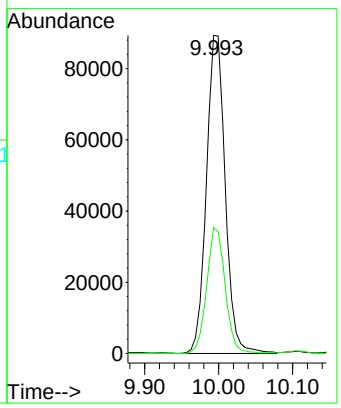




#51
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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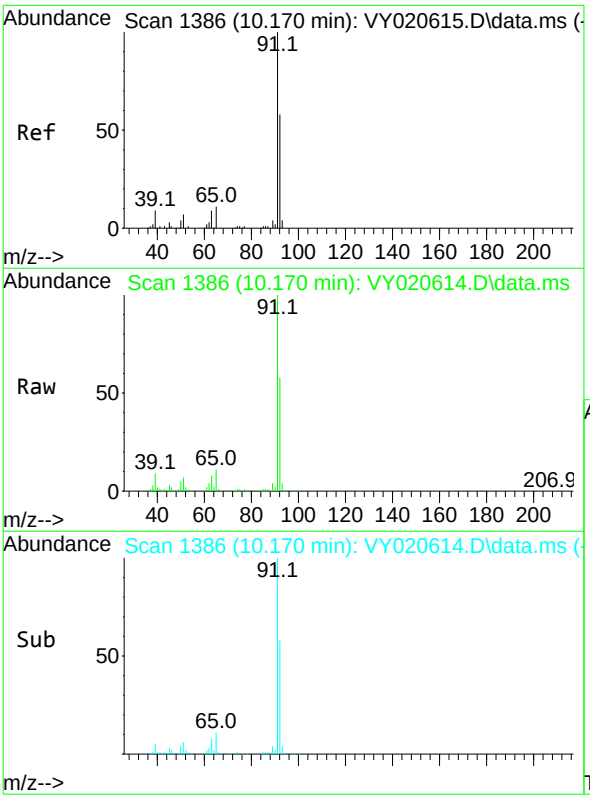
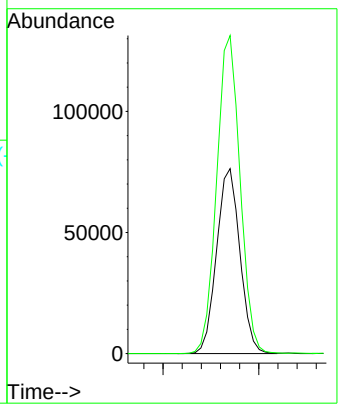
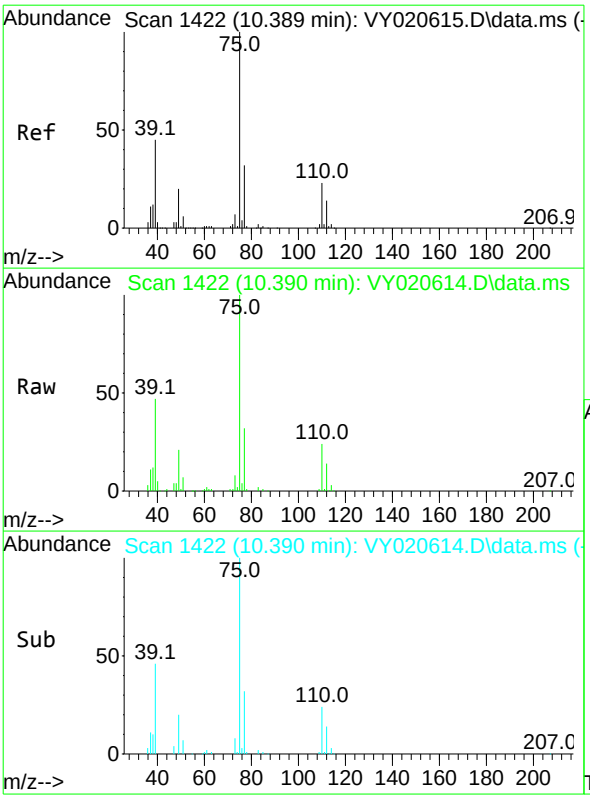


#52
Toluene
Concen: 20.245 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 92 Resp: 129196

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.0

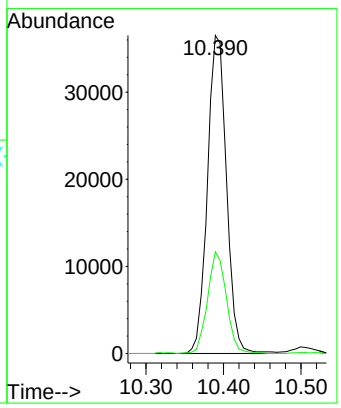




#53
t-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 62391

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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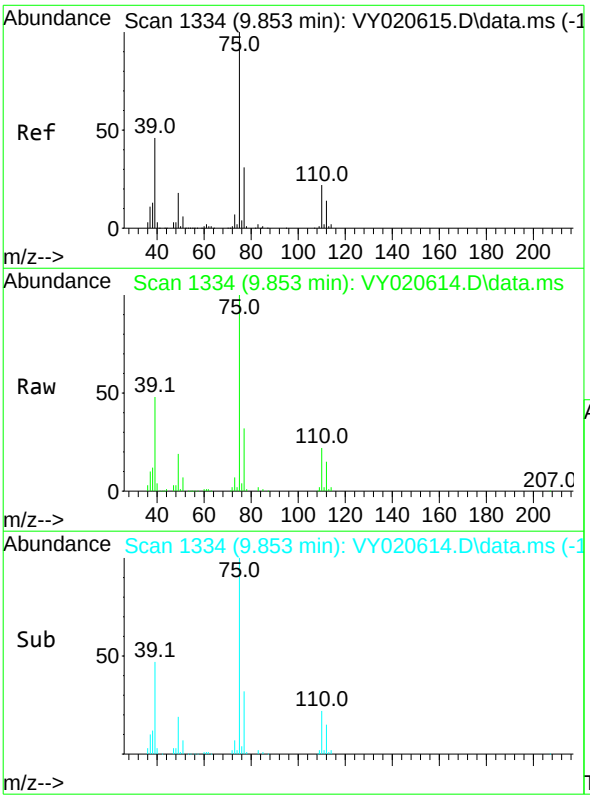
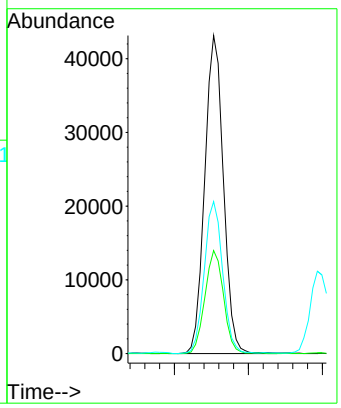
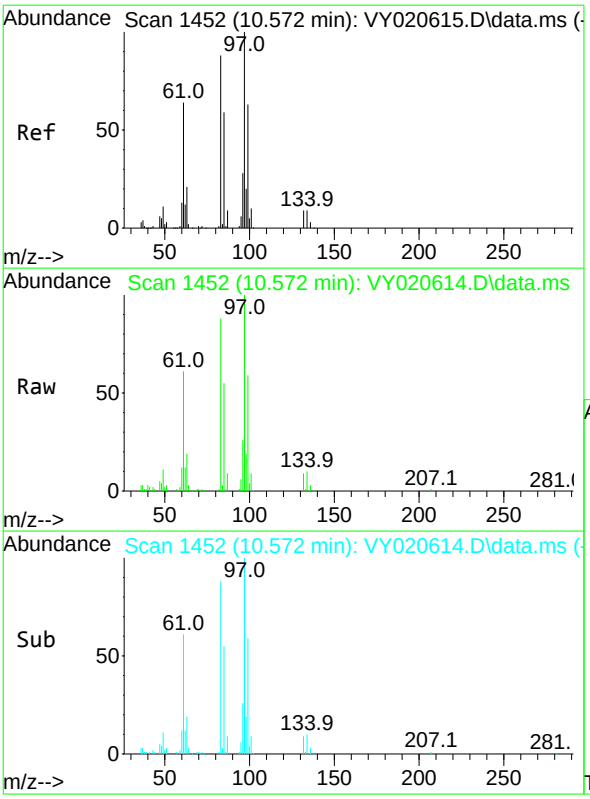


#54
cis-1,3-Dichloropropene
Concen: 19.996 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

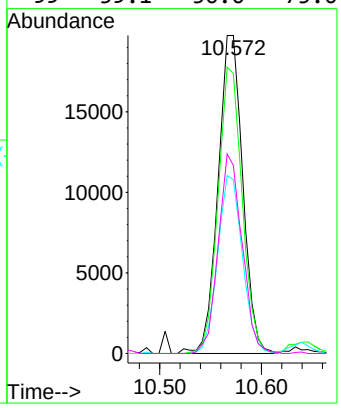




#55
1,1,2-Trichloroethane
Concen: 19.875 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
MSVOA_Y
ClientSampleId :
VSTDICC020

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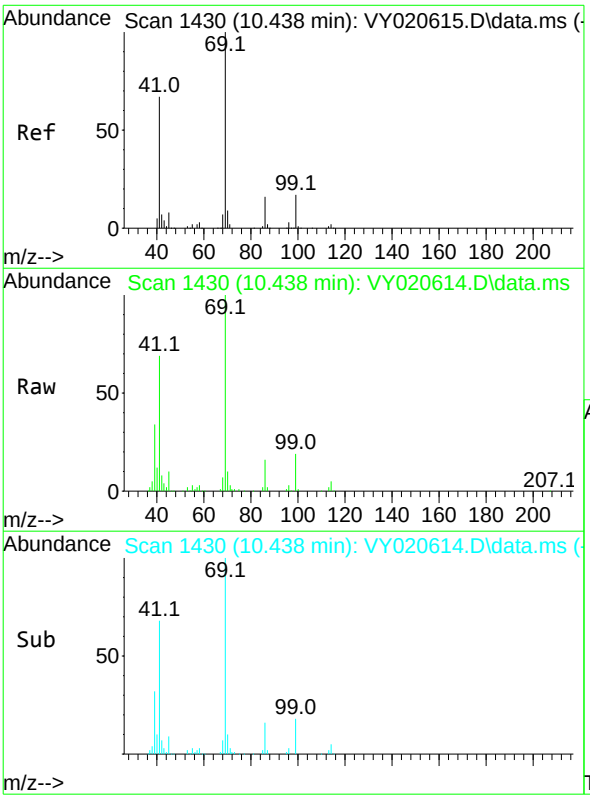
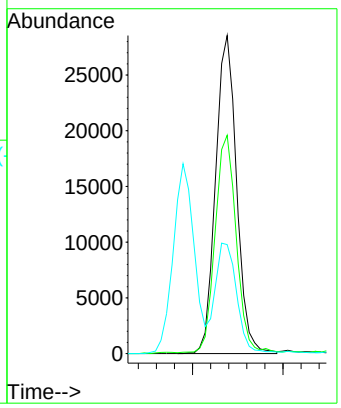
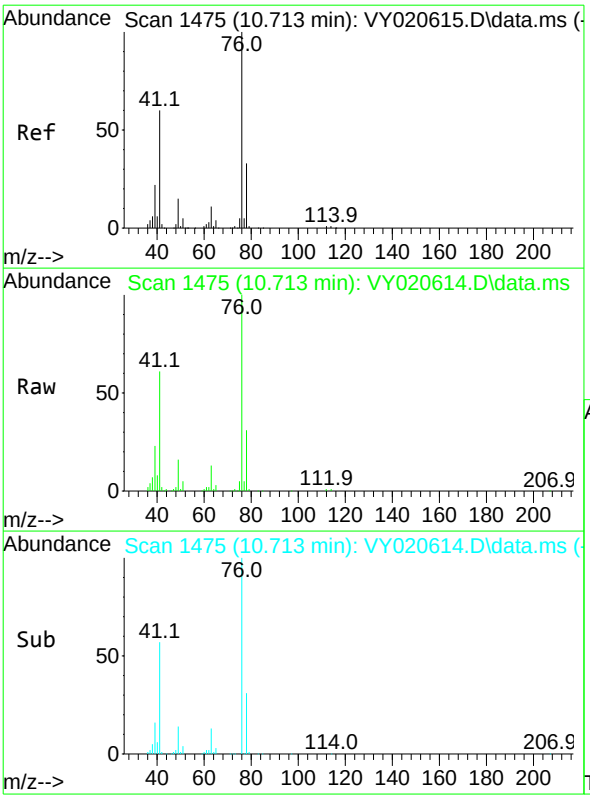


#56
Ethyl methacrylate
Concen: 18.930 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

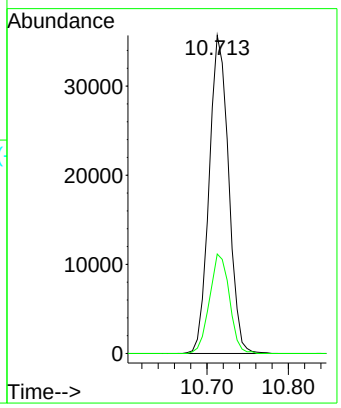




#57
1,3-Dichloropropane
Concen: 19.828 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 76 Resp: 59274

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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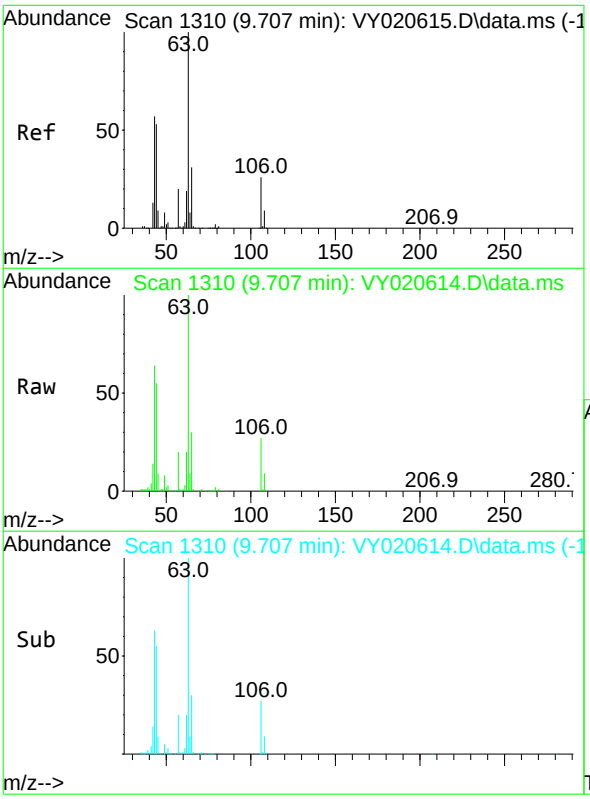
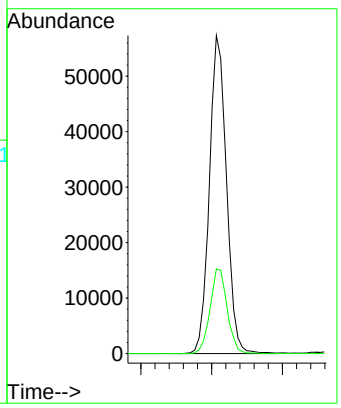
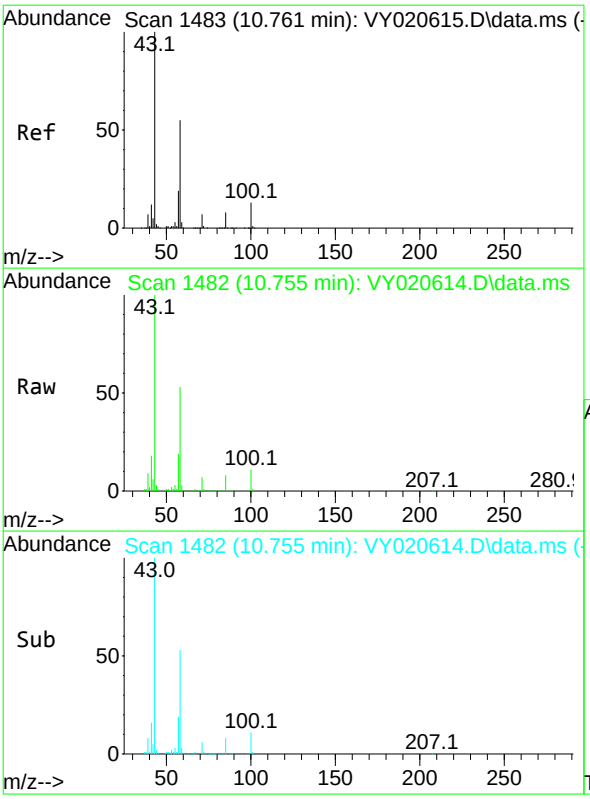


#58
2-Chloroethyl Vinyl ether
Concen: 93.804 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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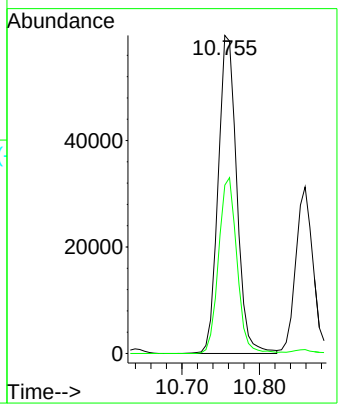
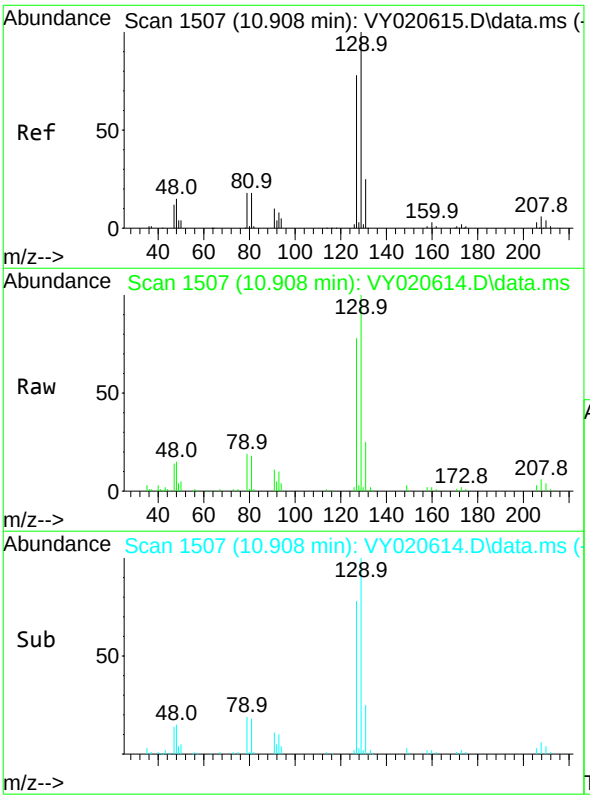
Supervised By :Semsettin Yesilyurt 12/18/2024

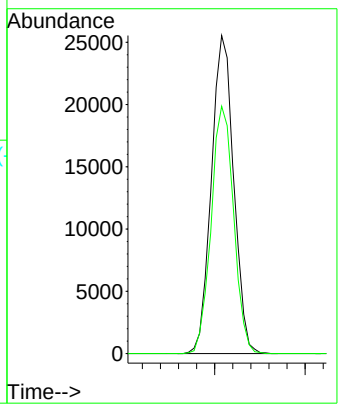


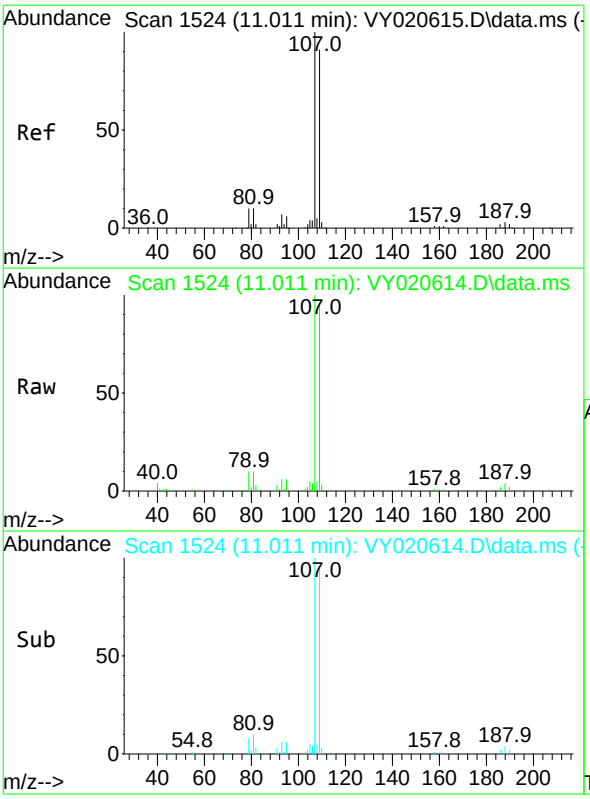


#60
Dibromochloromethane
Concen: 19.541 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:129 Resp: 43825

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3

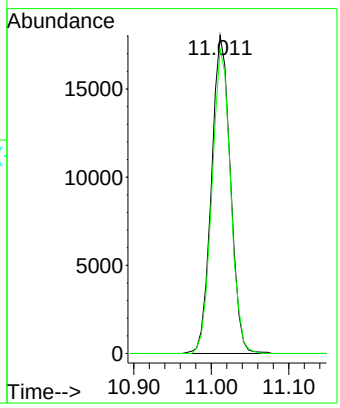




#61
1,2-Dibromoethane
Concen: 19.630 ug/l
RT: 11.011 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:107 Resp: 30621

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2



Instrument :
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ClientSampleId :
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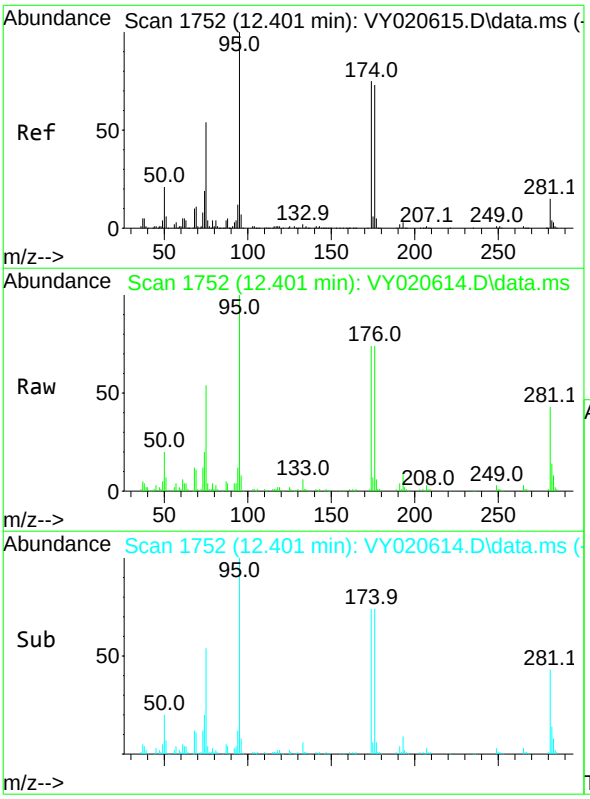
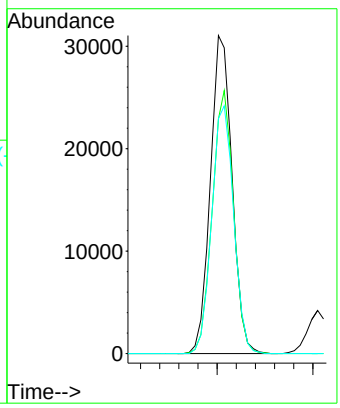
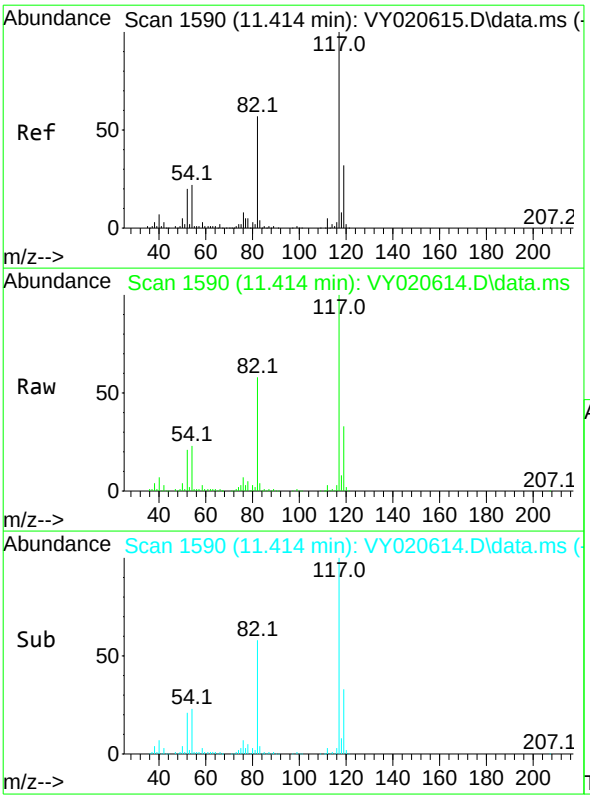


#62
4-Bromofluorobenzene
Concen: 18.552 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

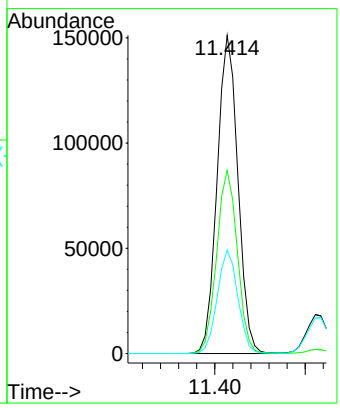




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
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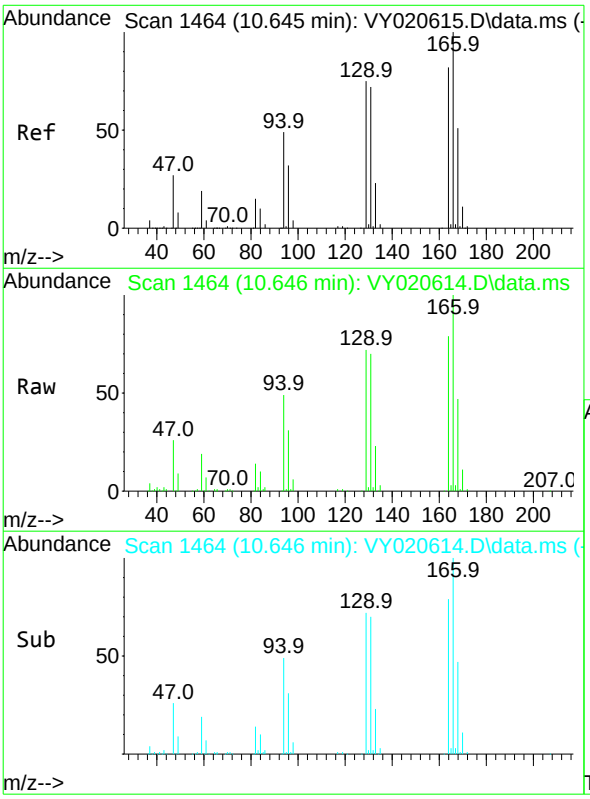
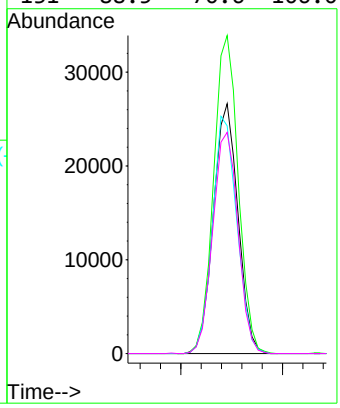
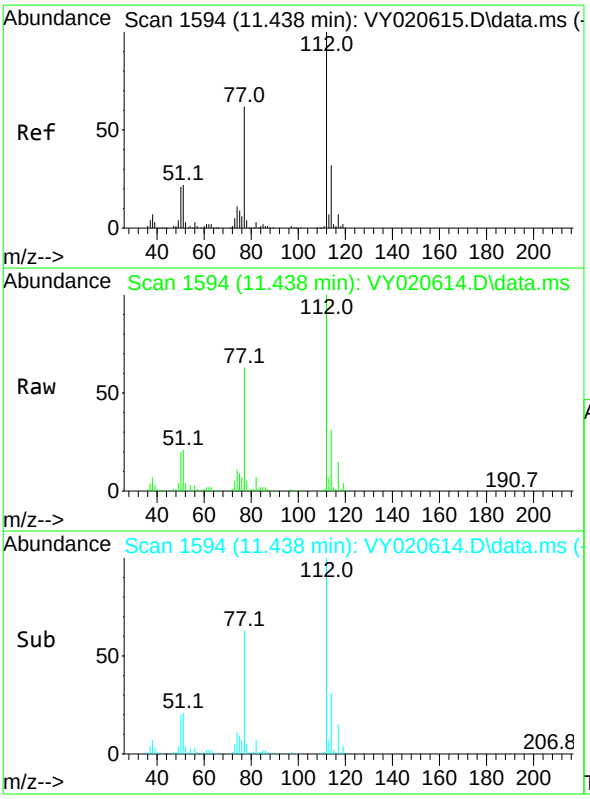


#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

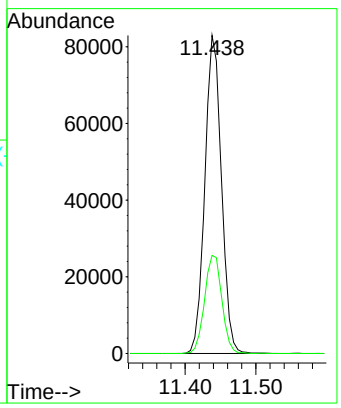




#65
Chlorobenzene
Concen: 19.987 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:112 Resp: 134807

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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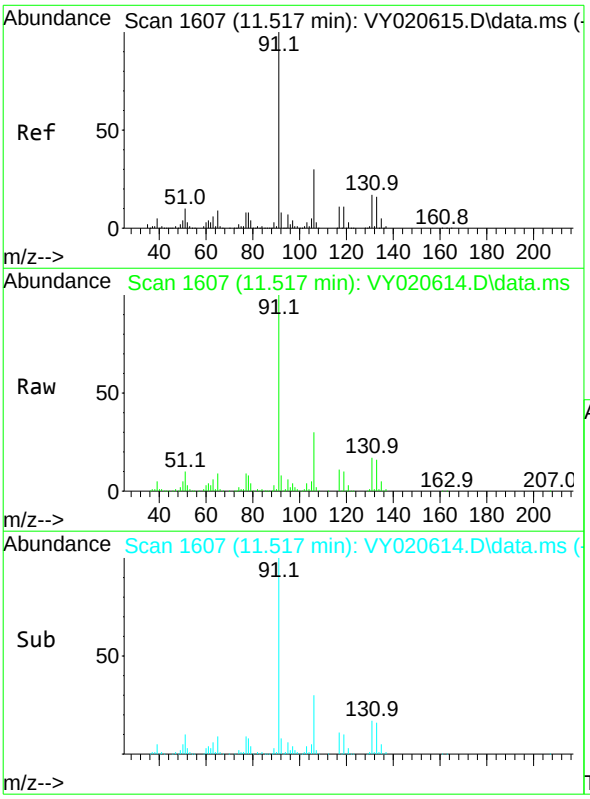
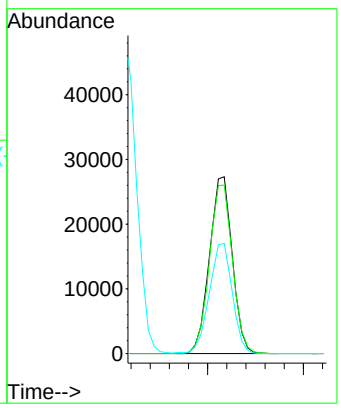
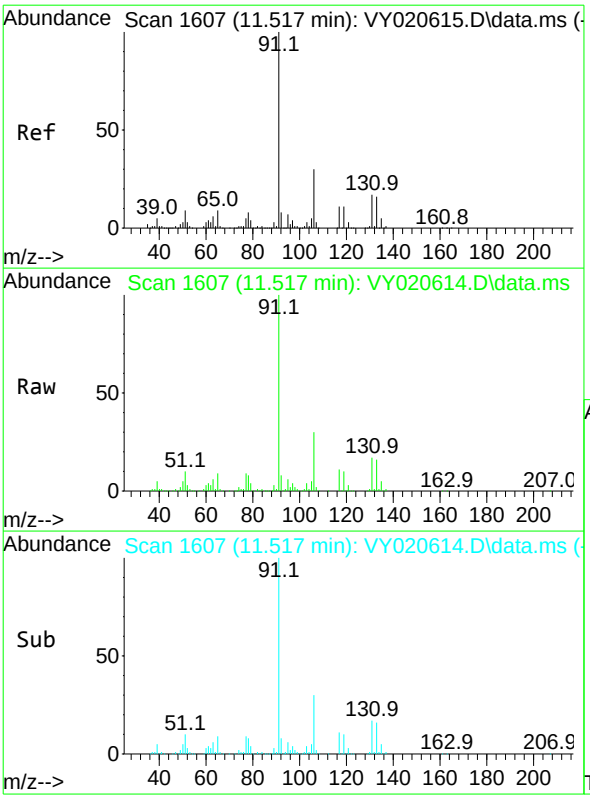


#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

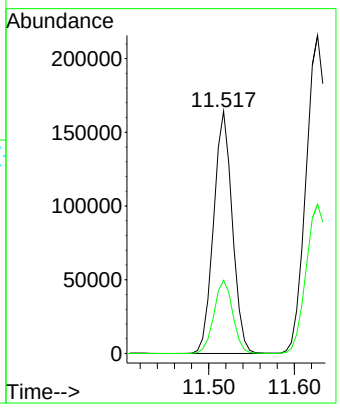




#67
Ethyl Benzene
Concen: 20.027 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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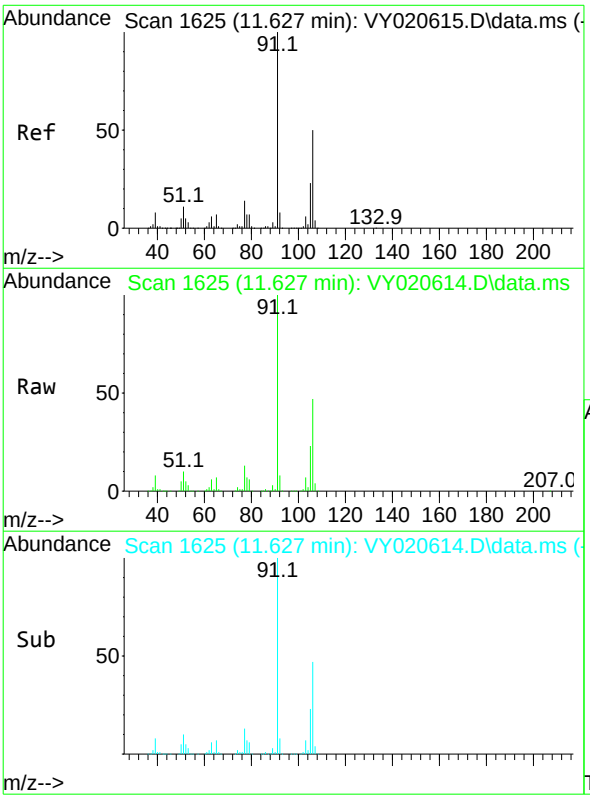
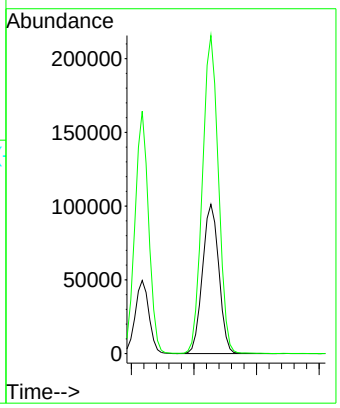
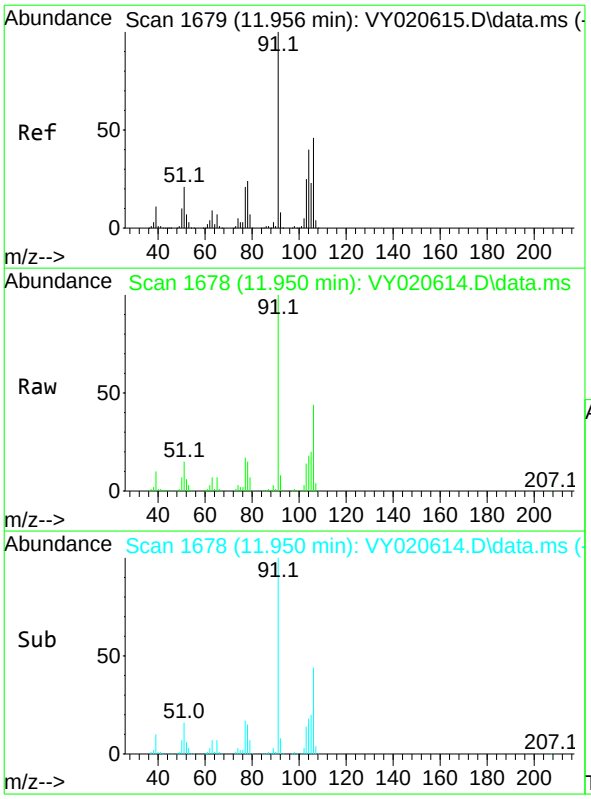


#68
m/p-Xylenes
Concen: 39.659 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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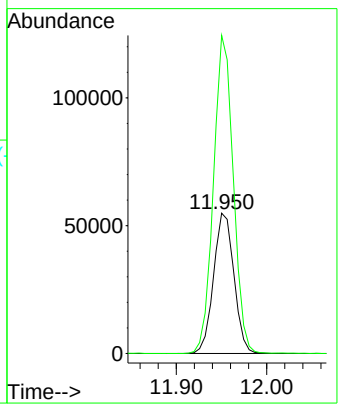
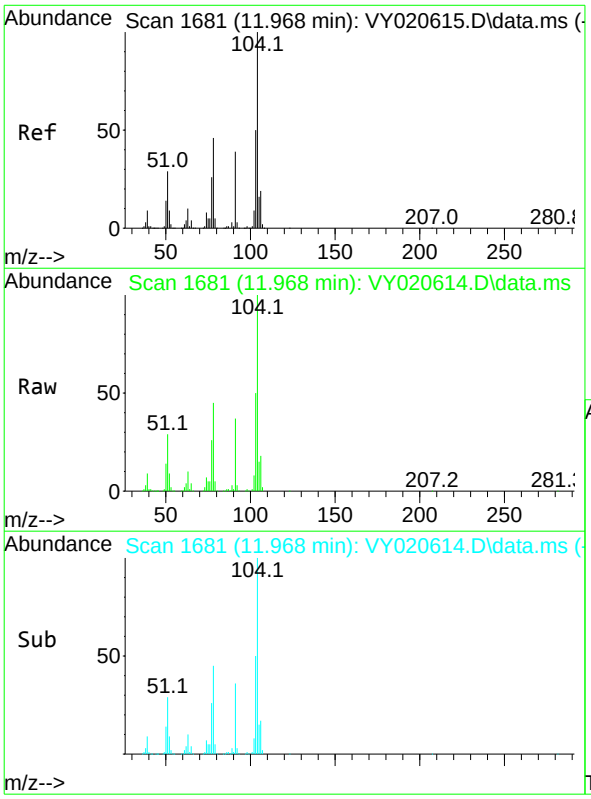
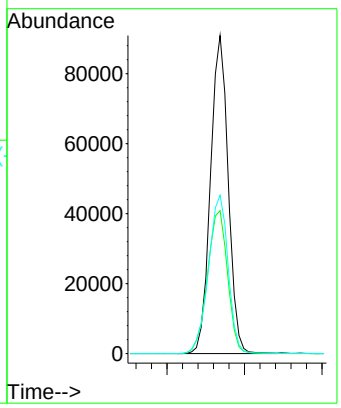


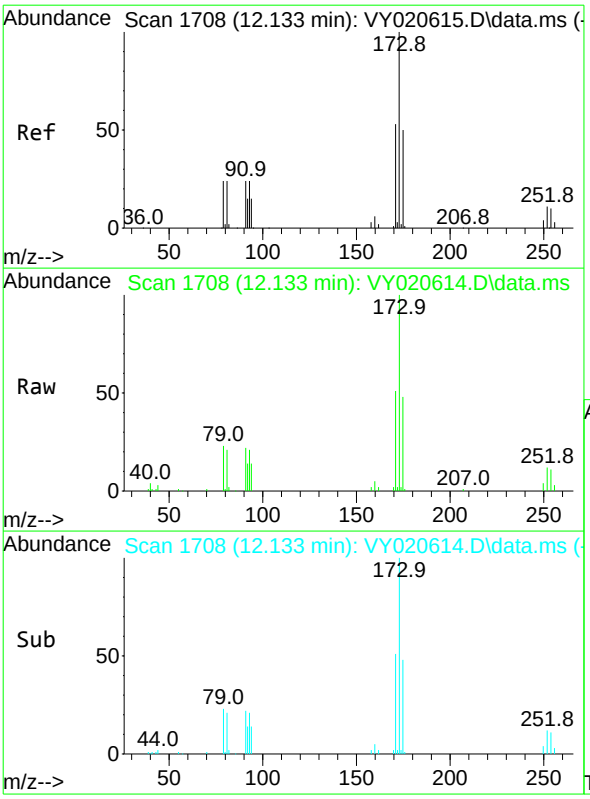


#70
Styrene
Concen: 20.012 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

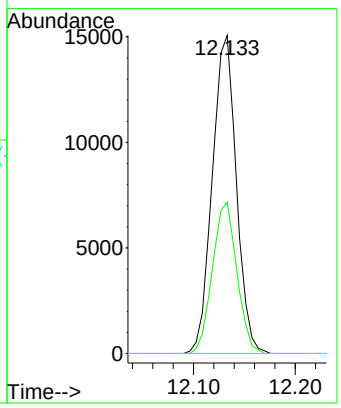




#71
Bromoform
Concen: 19.062 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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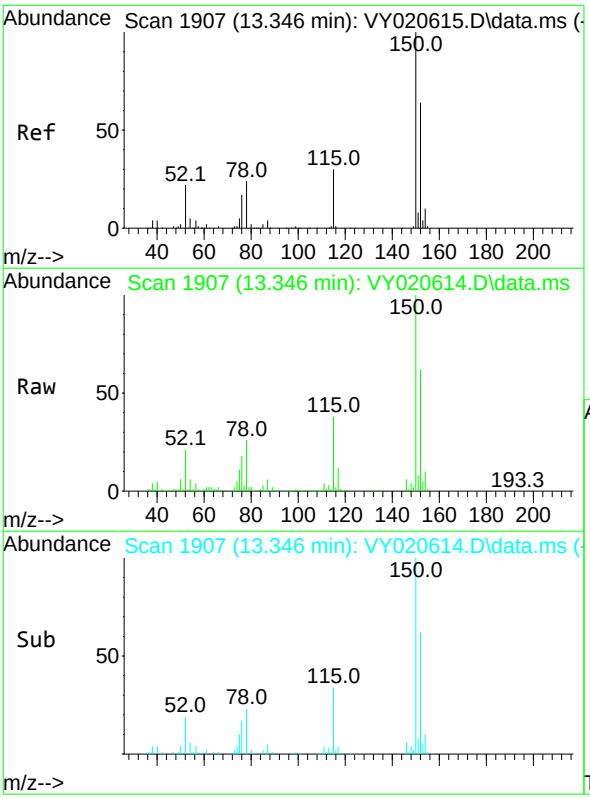
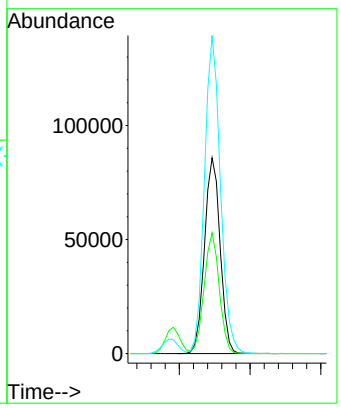
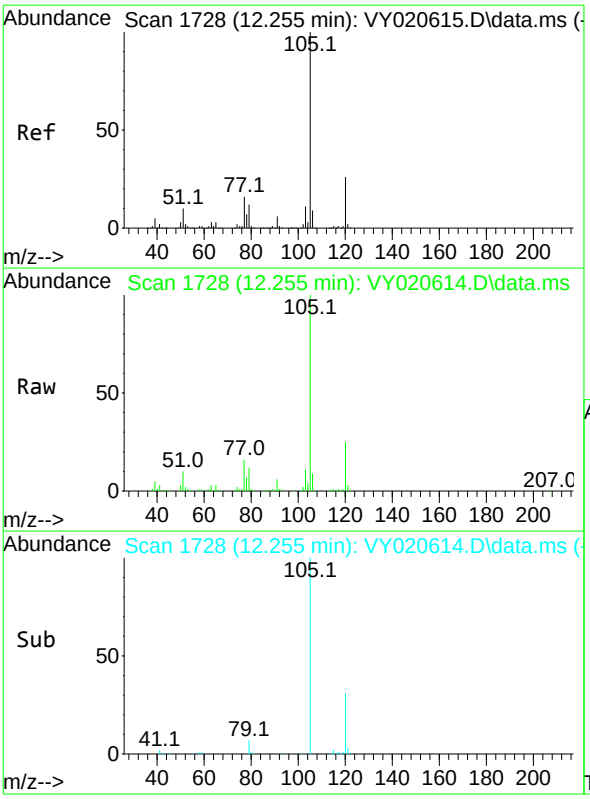


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

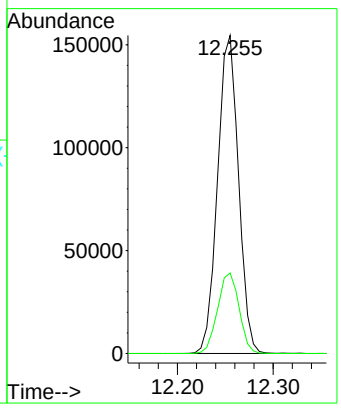




#73
Isopropylbenzene
Concen: 20.404 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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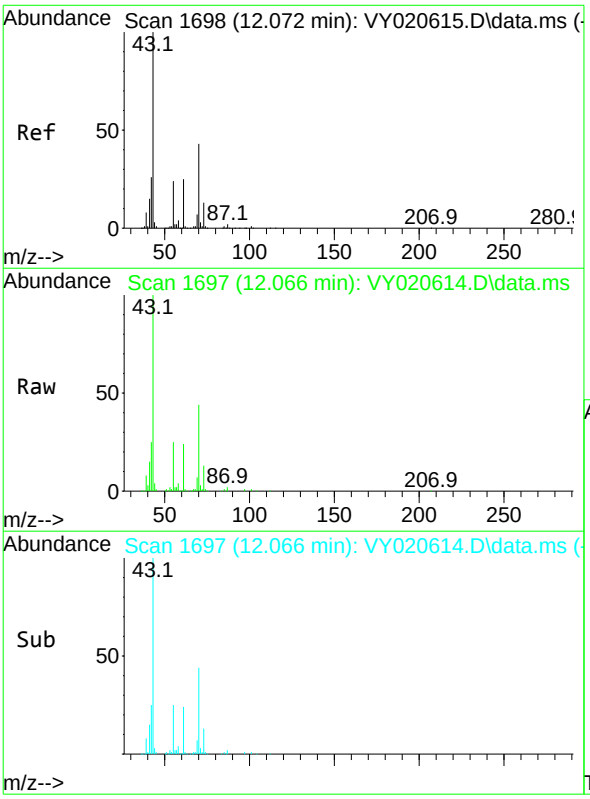
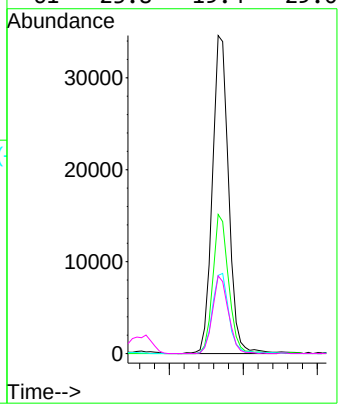
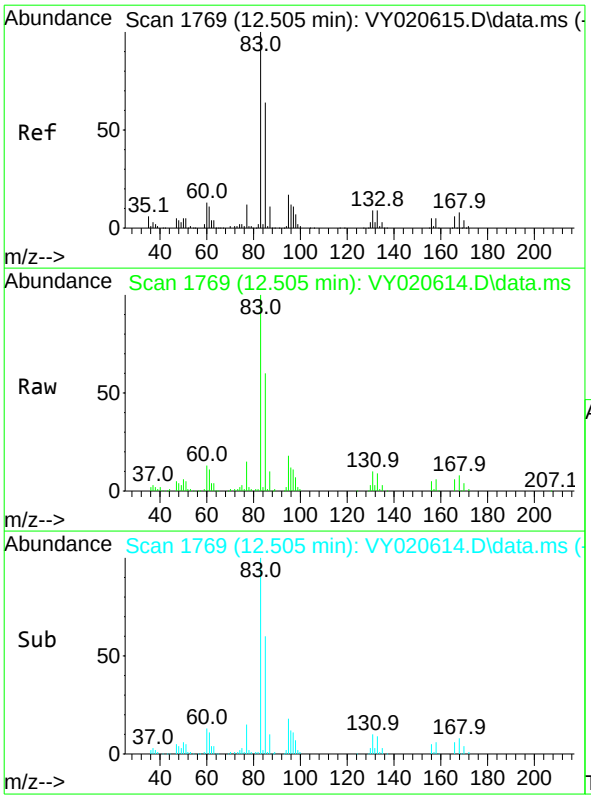


#74
N-amyl acetate
Concen: 19.574 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

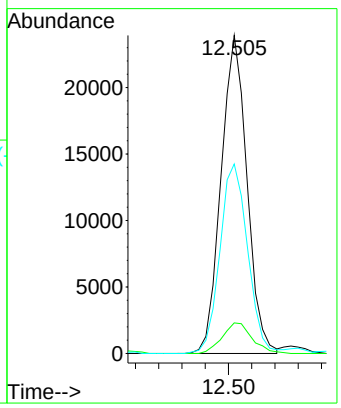




#75
1,1,2,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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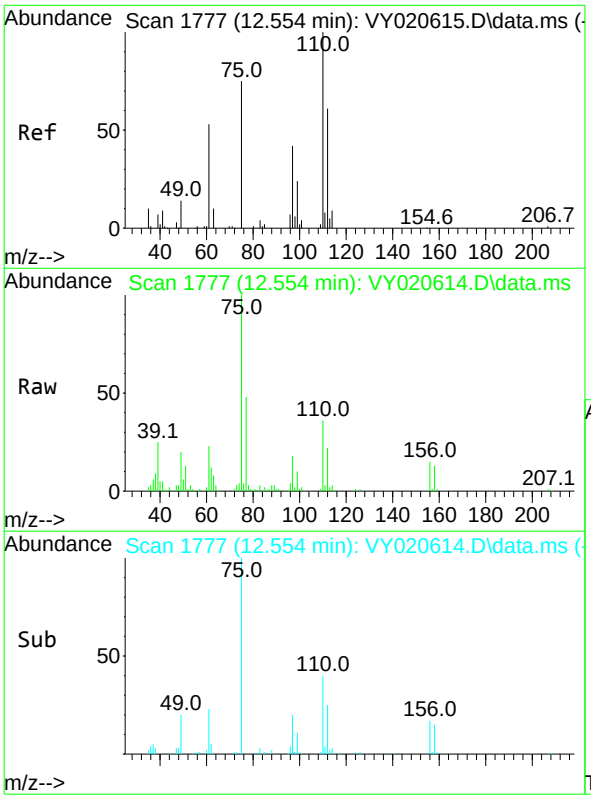
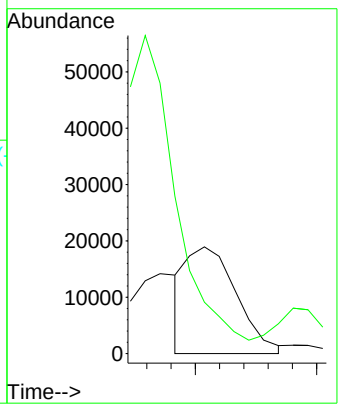
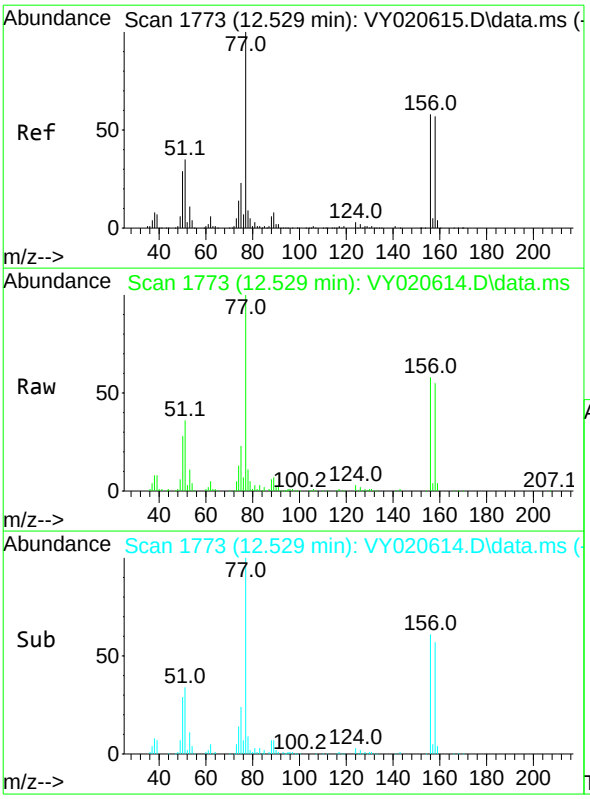


#76
1,2,3-Trichloropropane
Concen: 20.210 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 27440

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

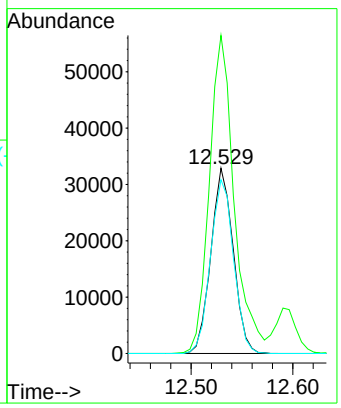




#77
Bromobenzene
Concen: 20.063 ug/l
RT: 12.529 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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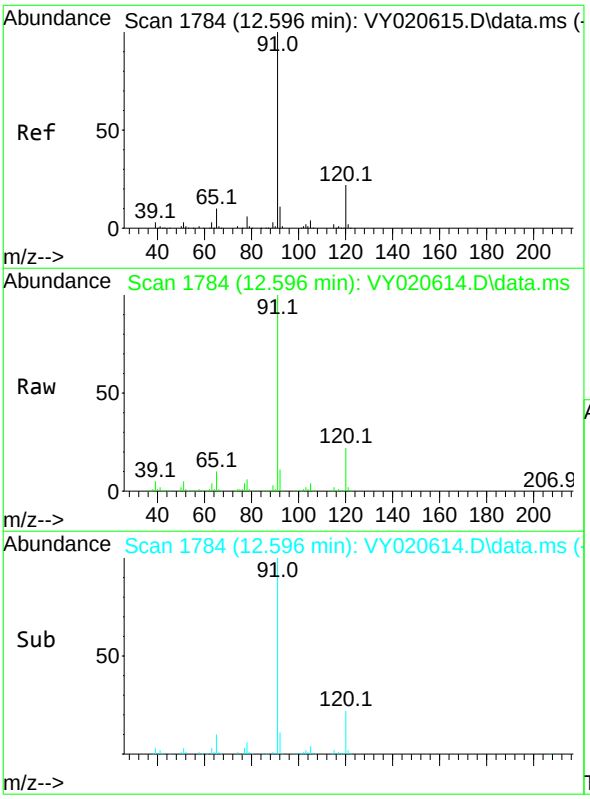
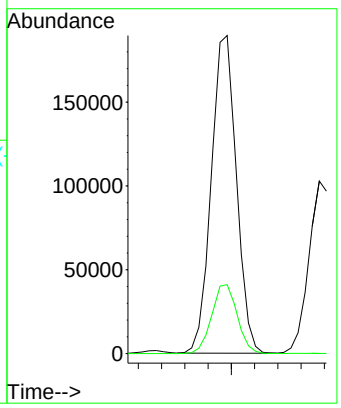
Supervised By :Semsettin Yesilyurt 12/18/2024

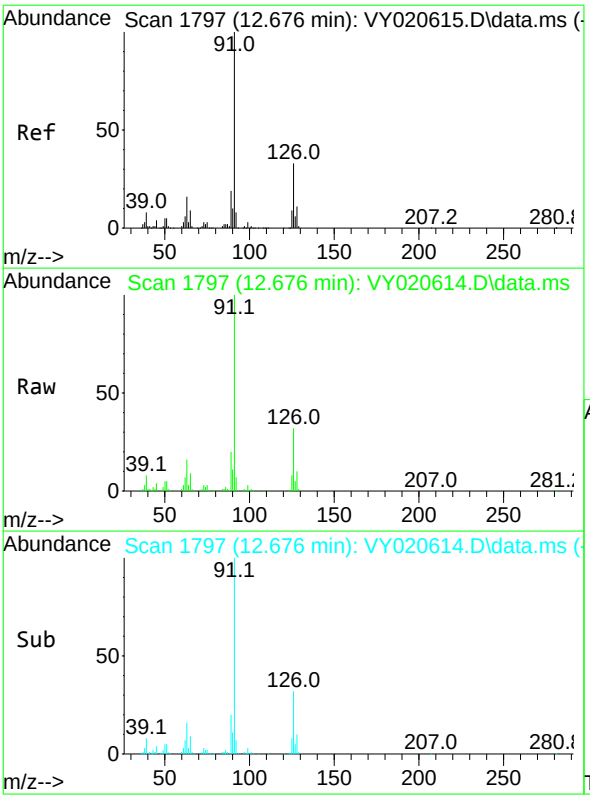


#78
n-propylbenzene
Concen: 20.534 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 284604

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

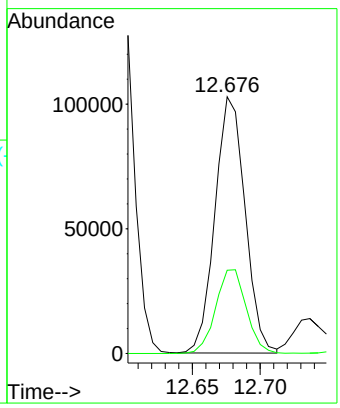




#79
2-Chlorotoluene
Concen: 20.369 ug/l
RT: 12.676 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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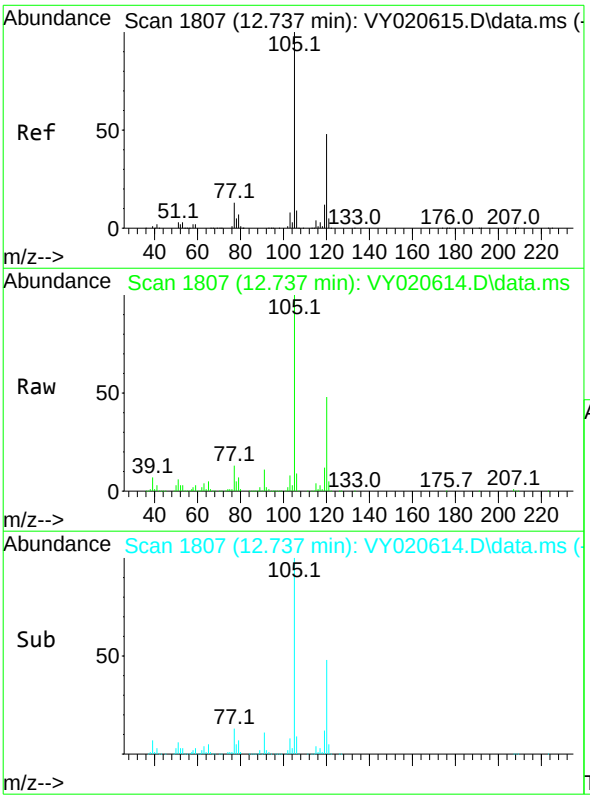
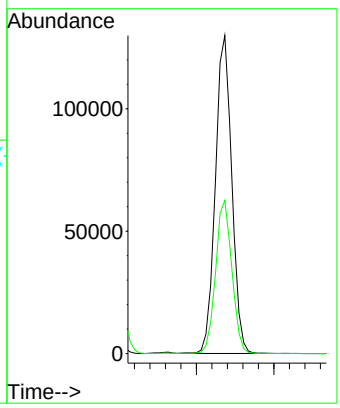
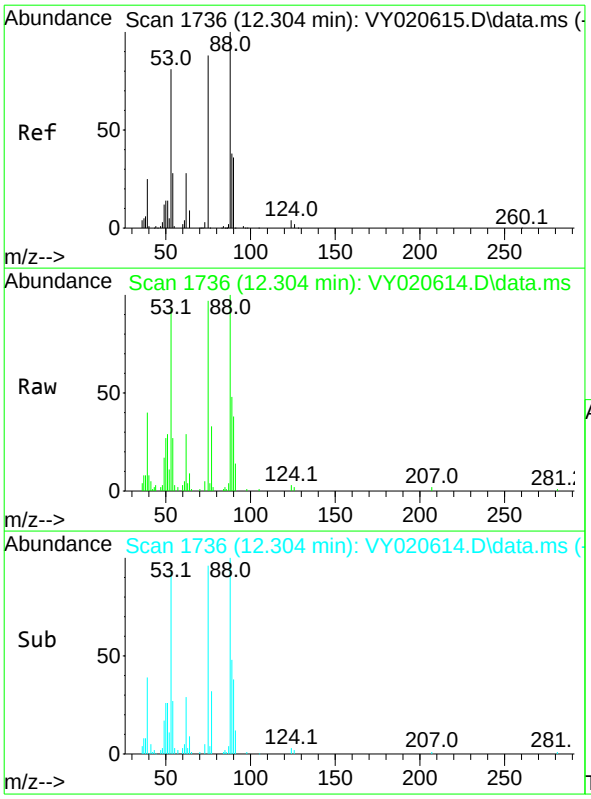


#80
1,3,5-Trimethylbenzene
Concen: 20.458 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
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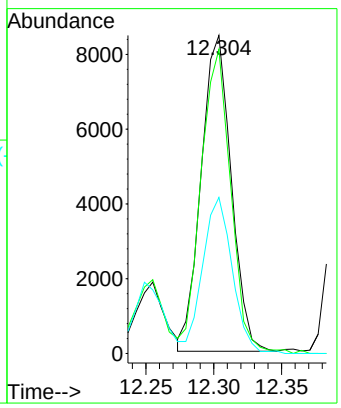
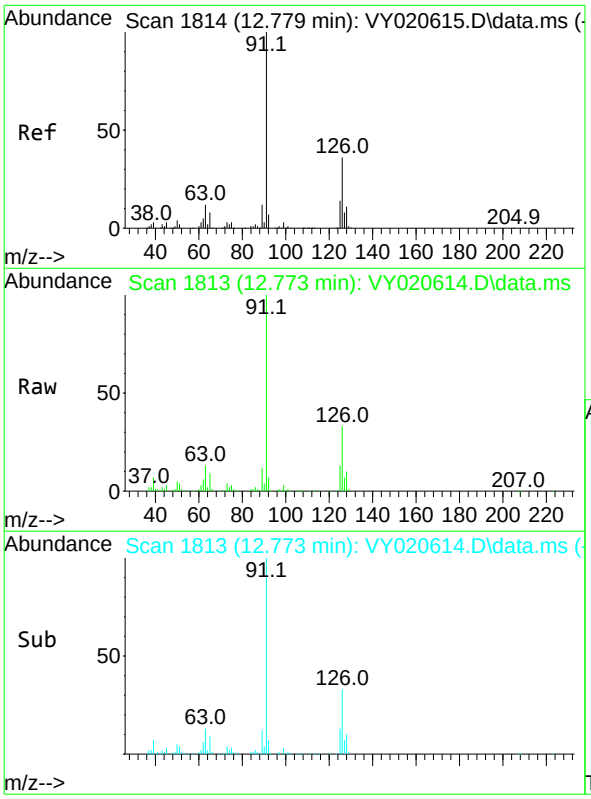
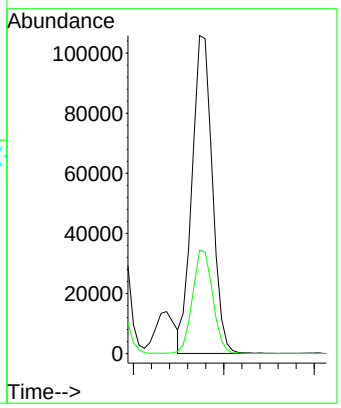


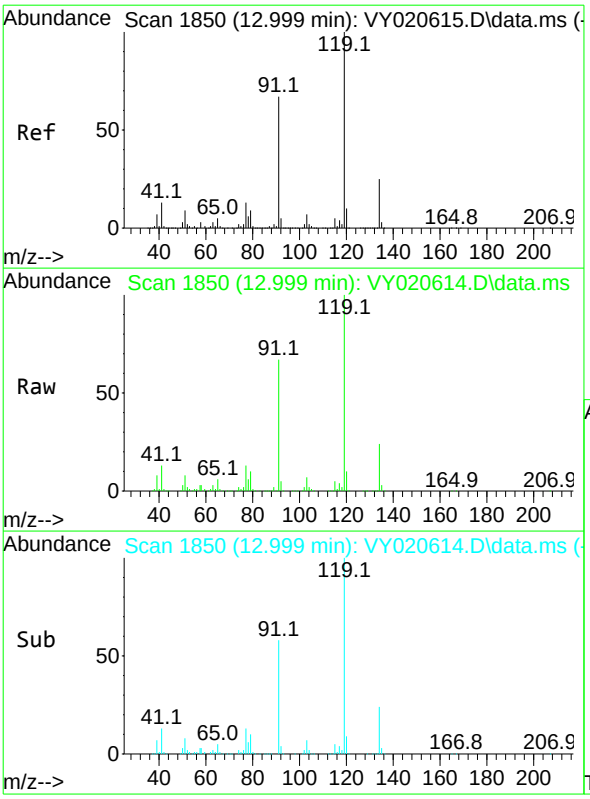


#82
4-Chlorotoluene
Concen: 20.358 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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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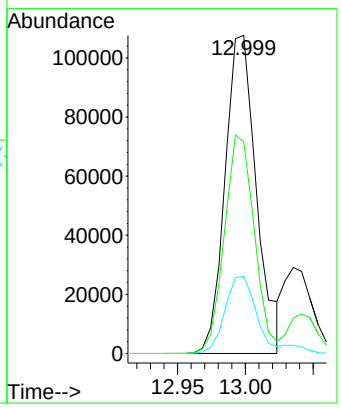
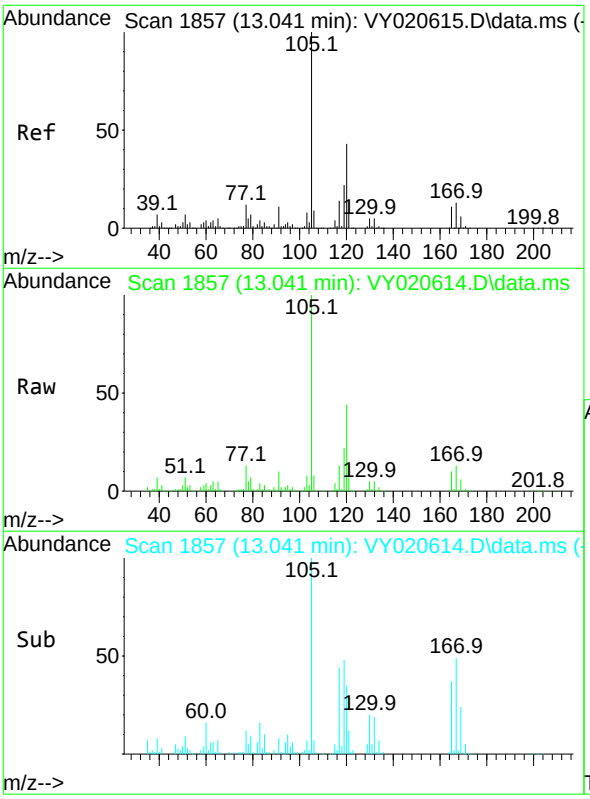
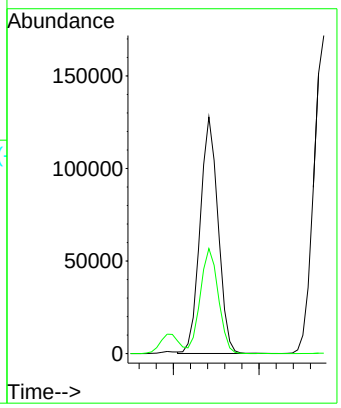


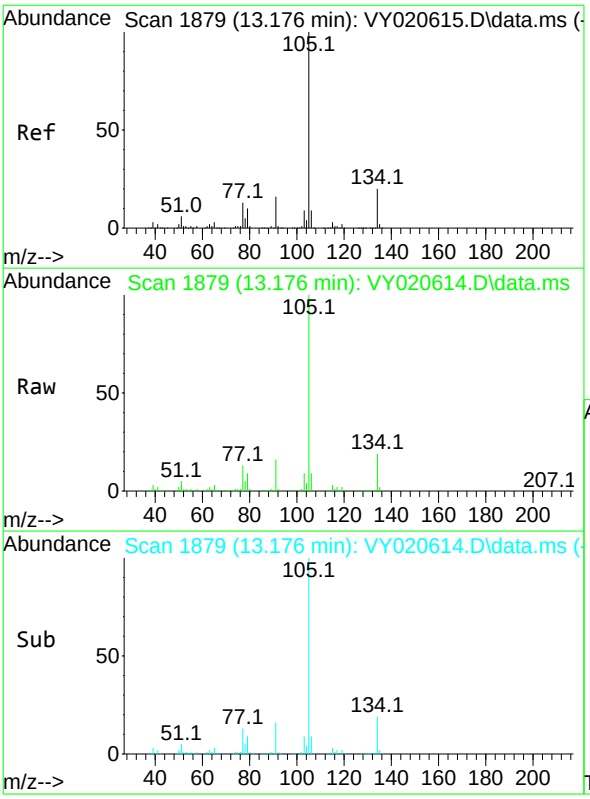


#84
1,2,4-Trimethylbenzene
Concen: 20.352 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 186344

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4

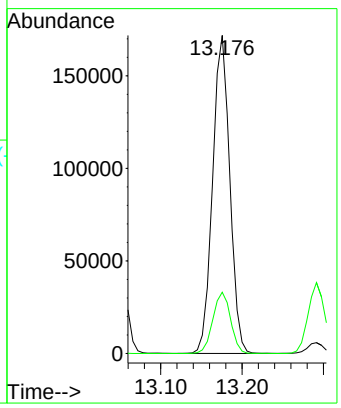




#85
sec-Butylbenzene
Concen: 20.492 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 251880

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
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ClientSampleId :
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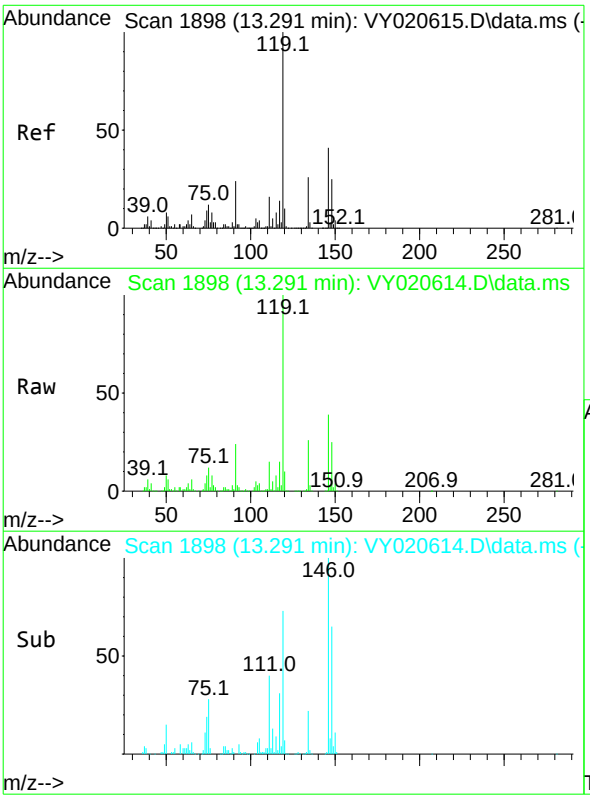
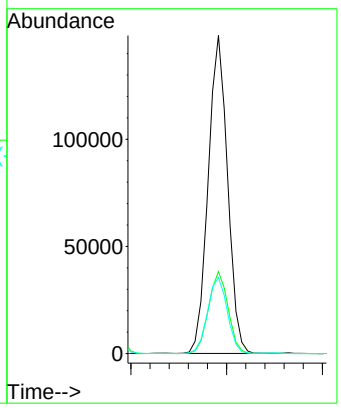
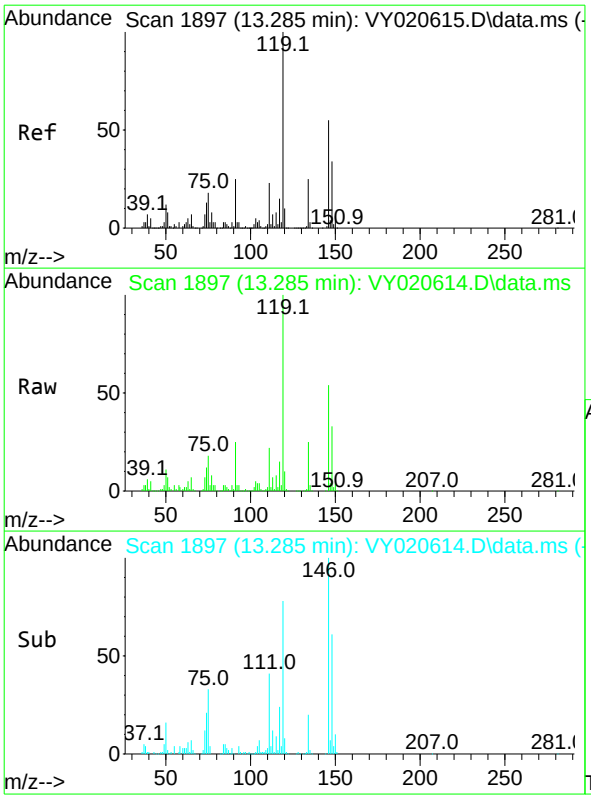


#86
p-Isopropyltoluene
Concen: 20.558 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

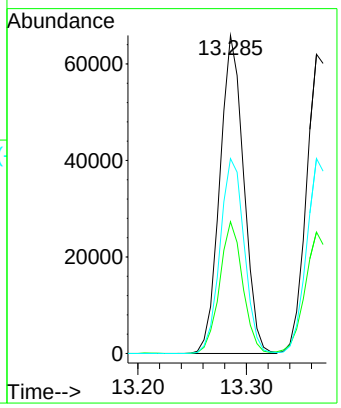




#87
1,3-Dichlorobenzene
Concen: 20.380 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

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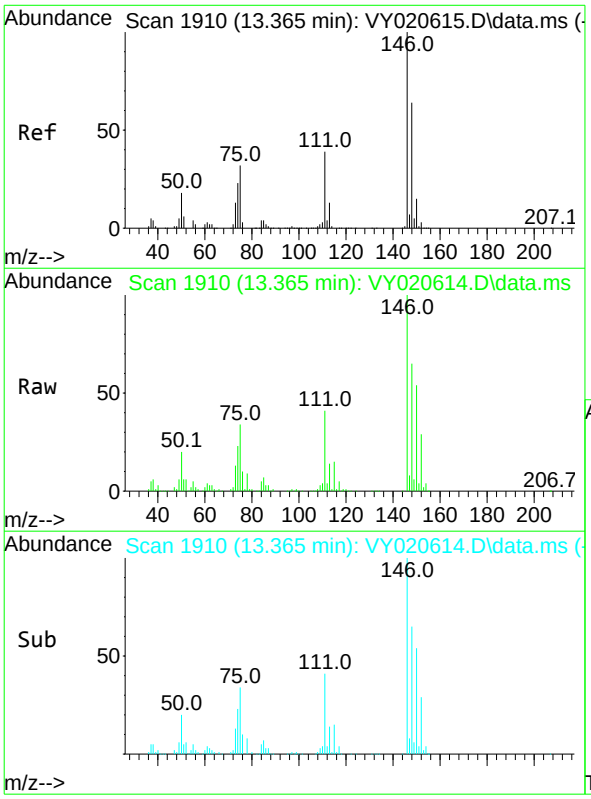
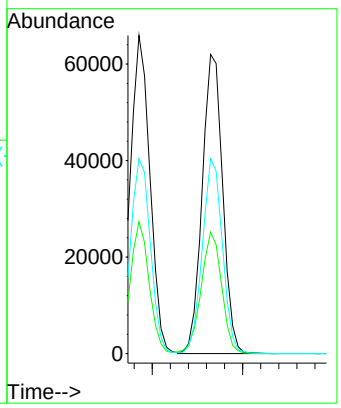
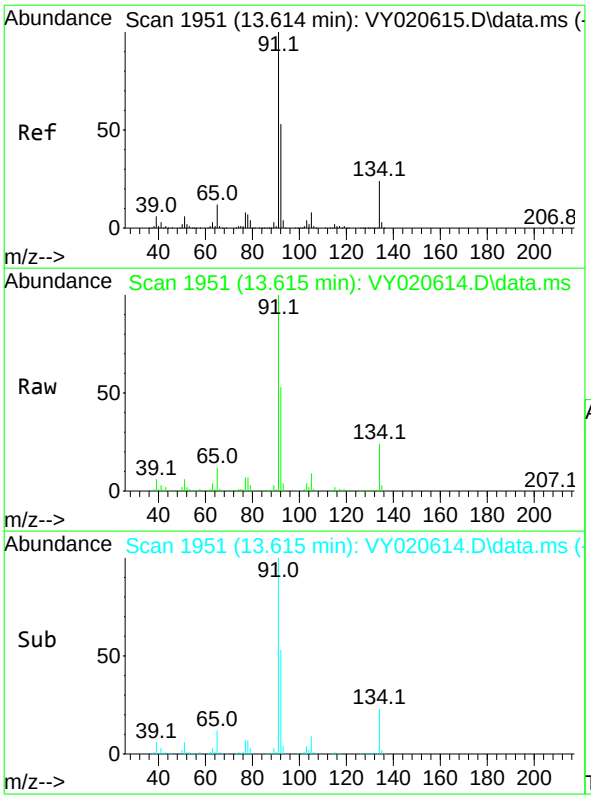


#88
1,4-Dichlorobenzene
Concen: 19.935 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

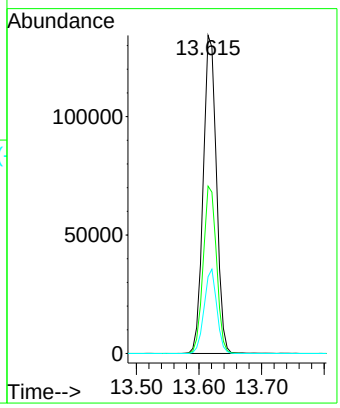




#89
n-Butylbenzene
Concen: 20.511 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

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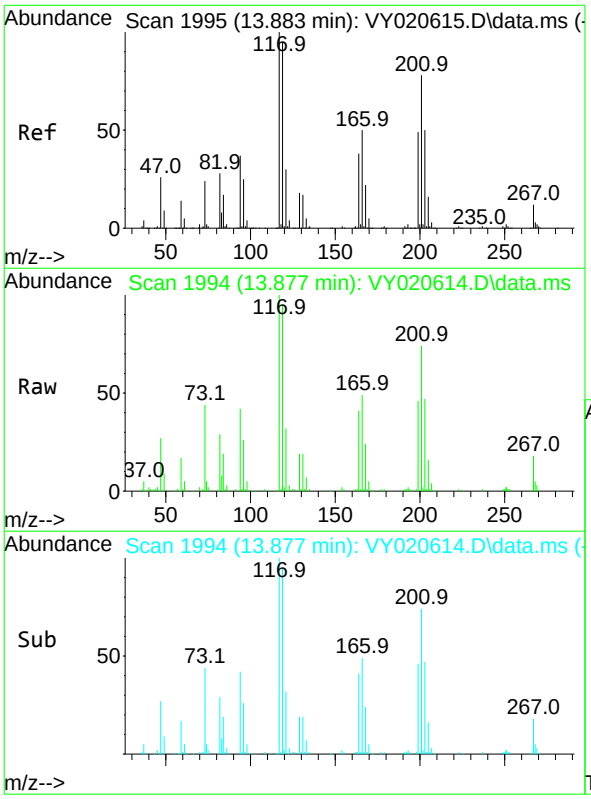
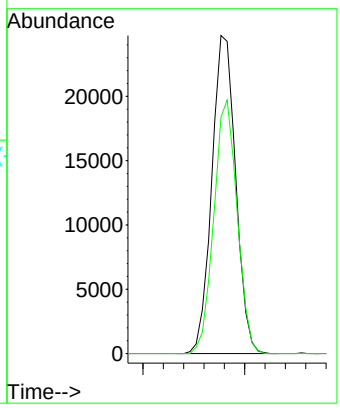
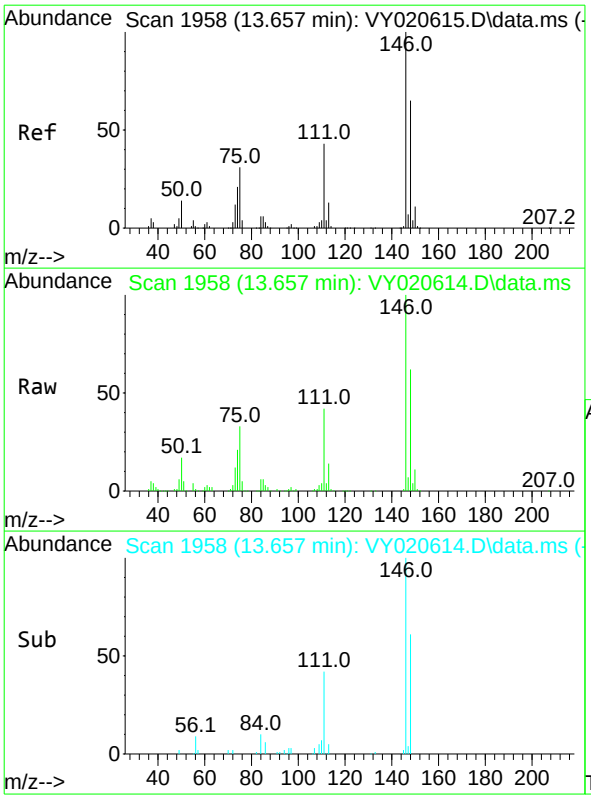


#90
Hexachloroethane
Concen: 20.057 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 40281

Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.1	117.3

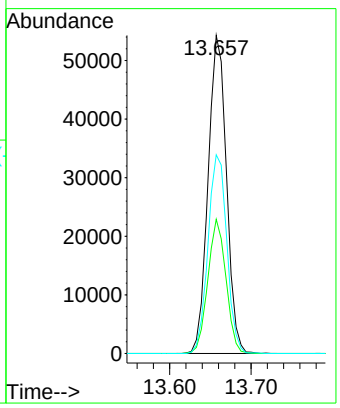




#91
1,2-Dichlorobenzene
Concen: 19.862 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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 :
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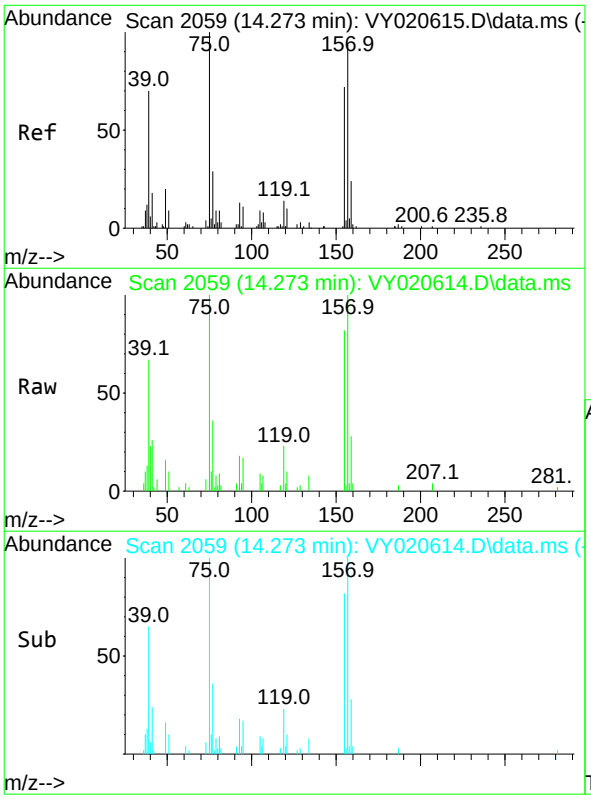
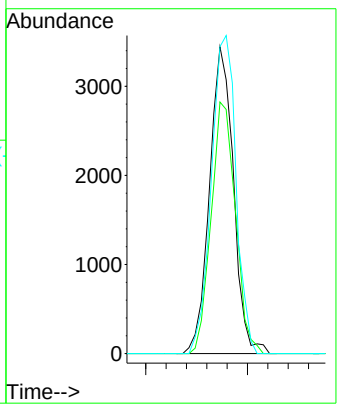
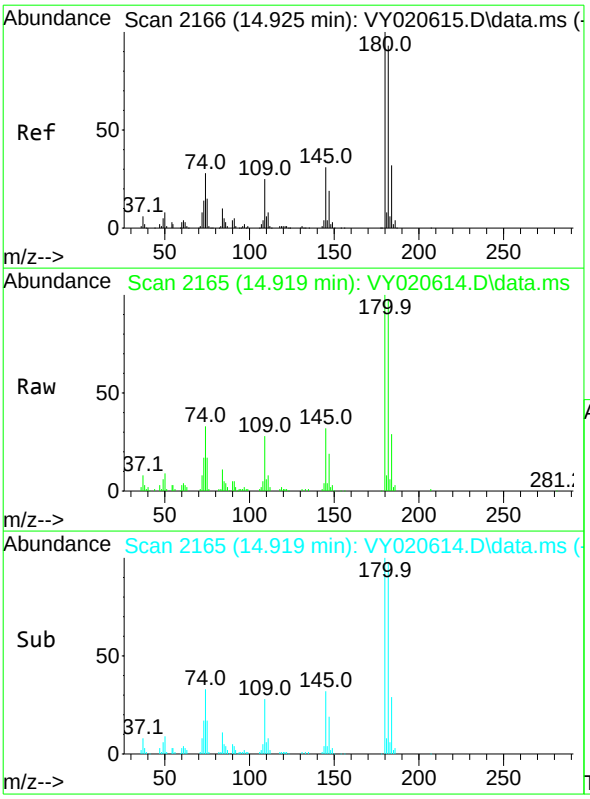


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.561 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

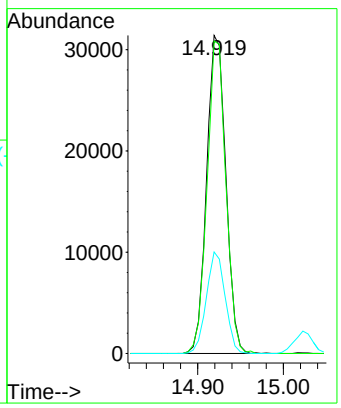




#93
1,2,4-Trichlorobenzene
Concen: 18.850 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

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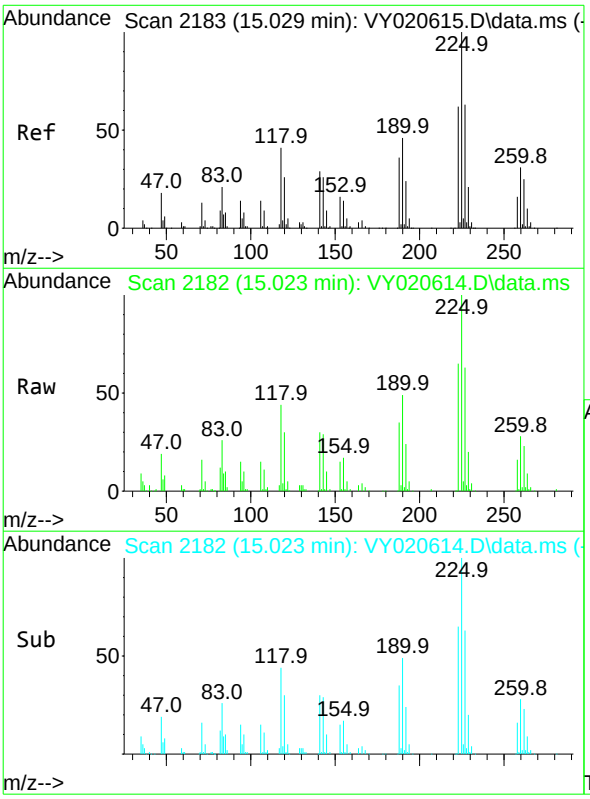
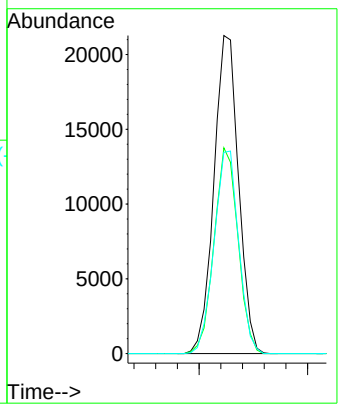
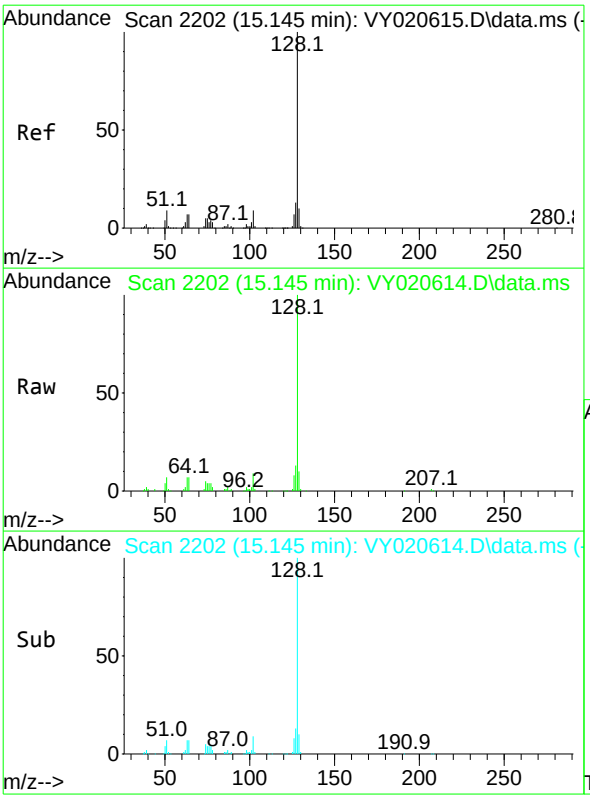


#94
Hexachlorobutadiene
Concen: 19.781 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

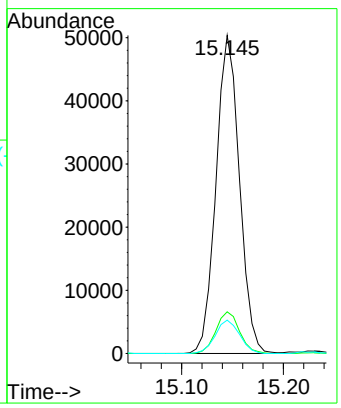




#95
Naphthalene
Concen: 18.126 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

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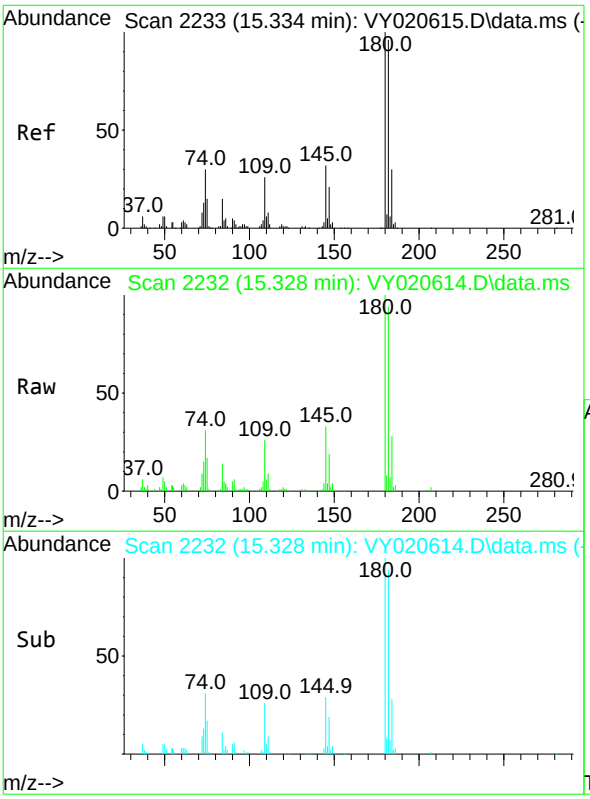
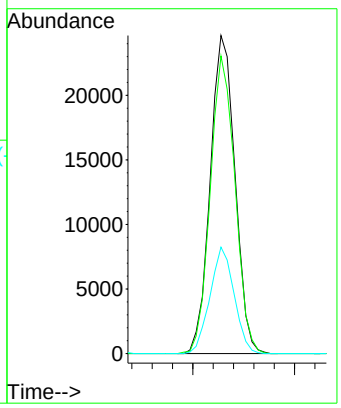


#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

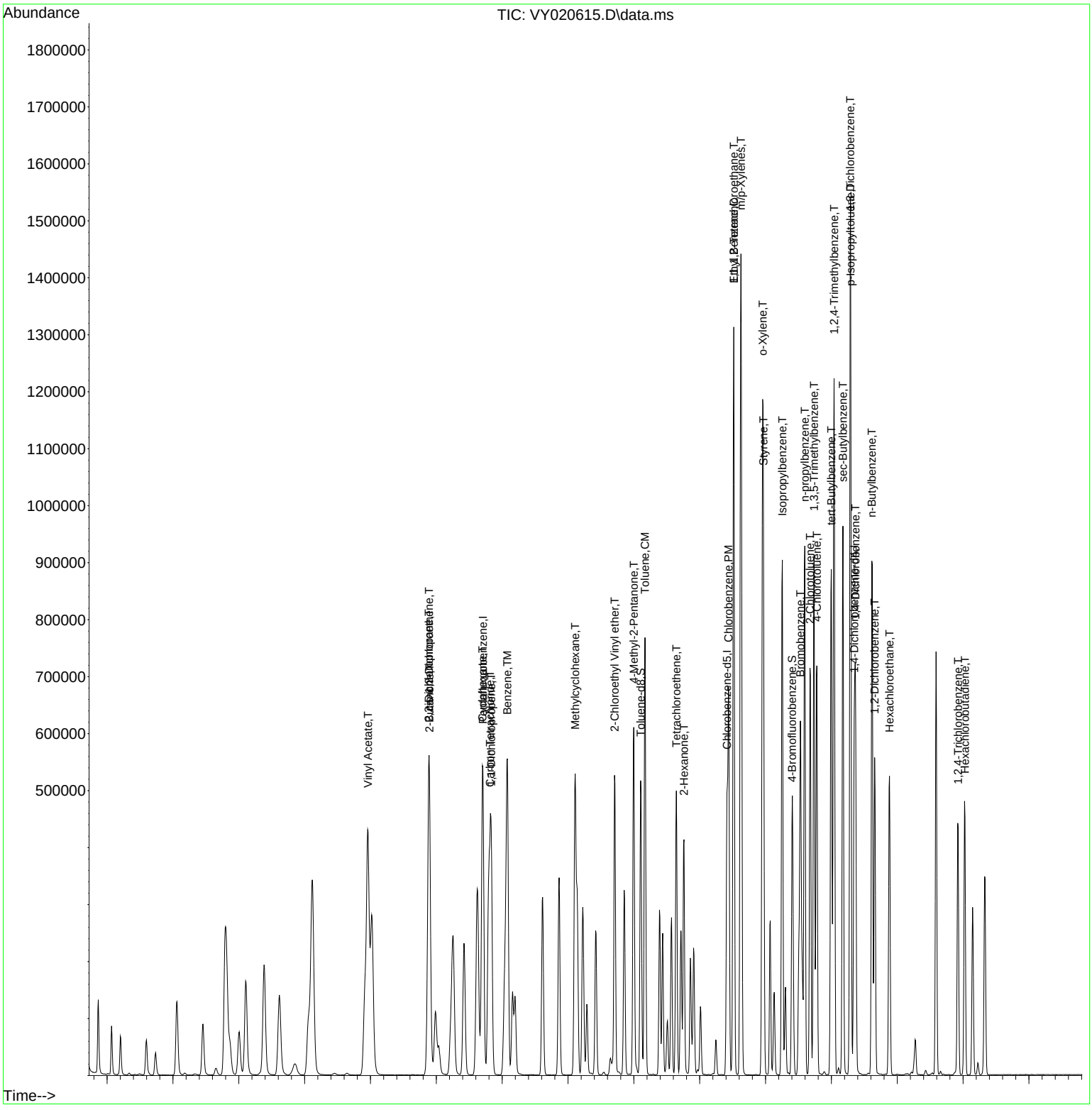
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

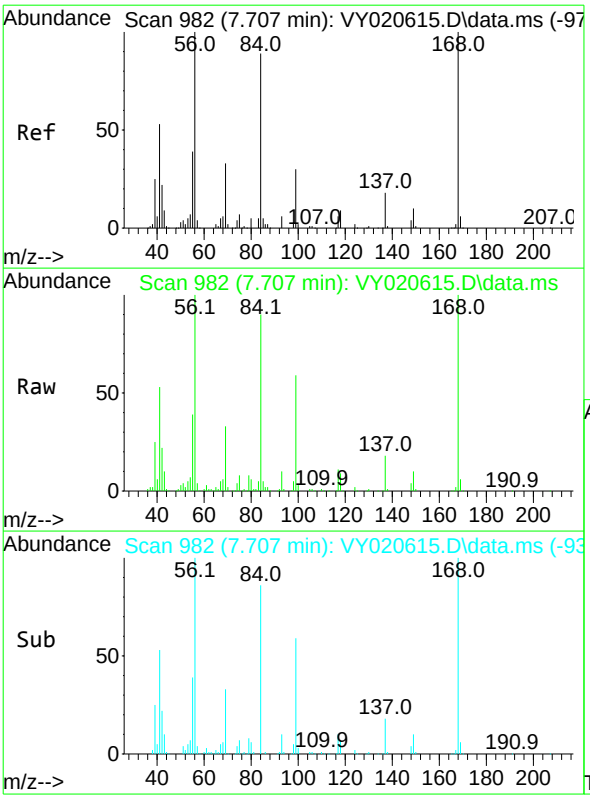
Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

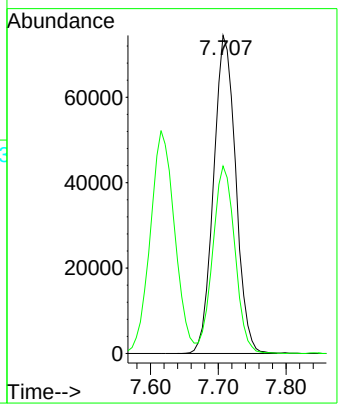




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:168 Resp: 169292

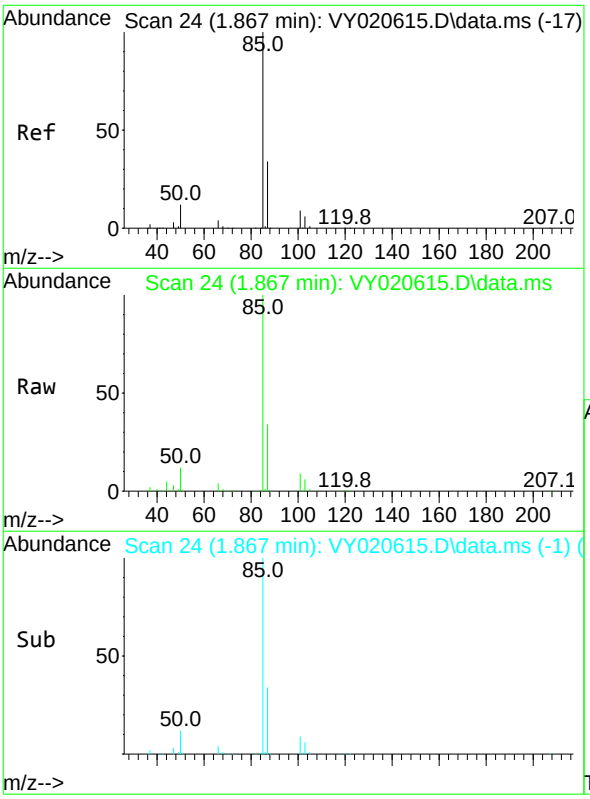
Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

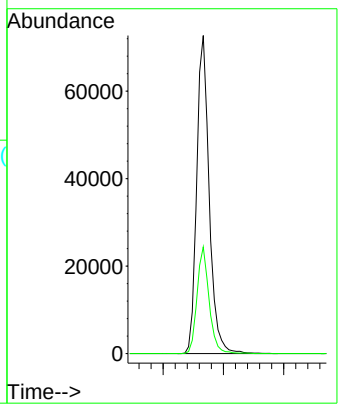
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

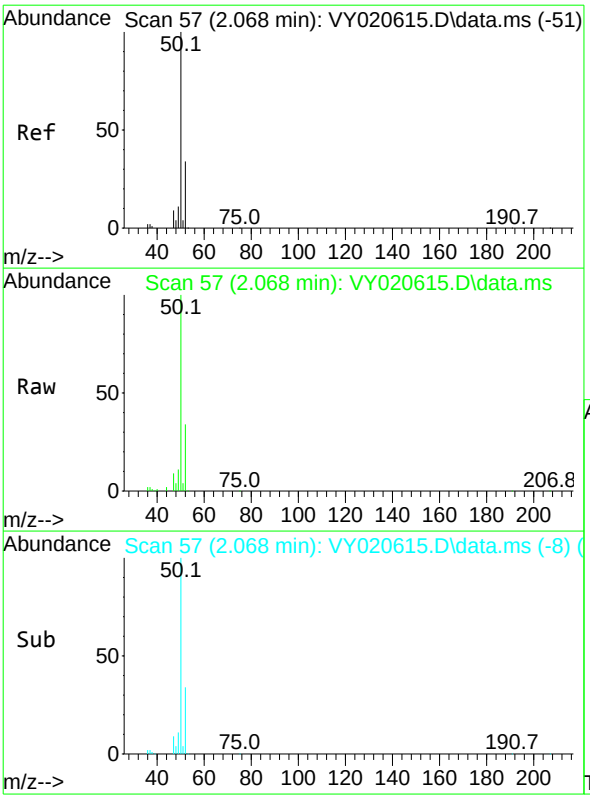


#2
Dichlorodifluoromethane
Concen: 49.416 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 85 Resp: 104493

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

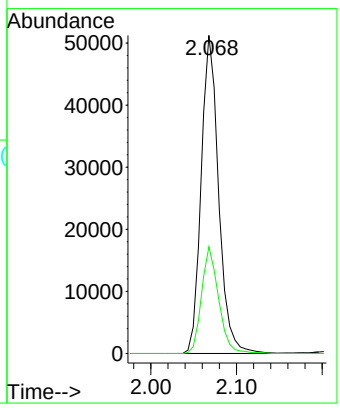




#3
Chloromethane
Concen: 46.229 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 50 Resp: 72429

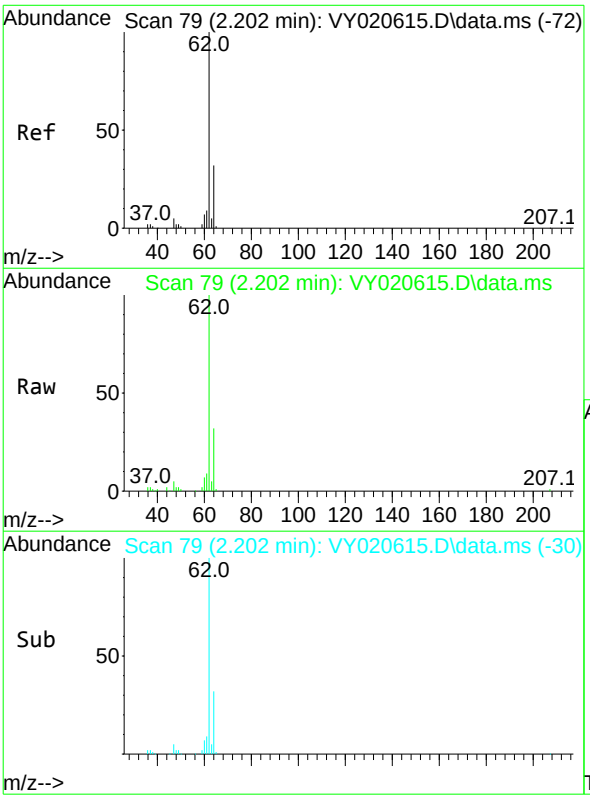
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

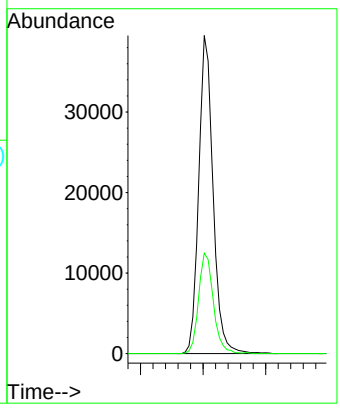
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

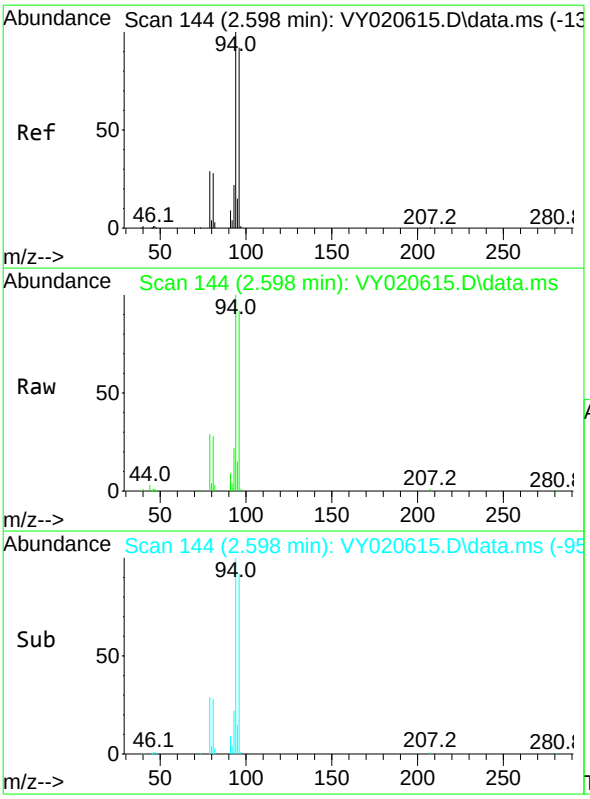


#4
Vinyl Chloride
Concen: 43.031 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 62750

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

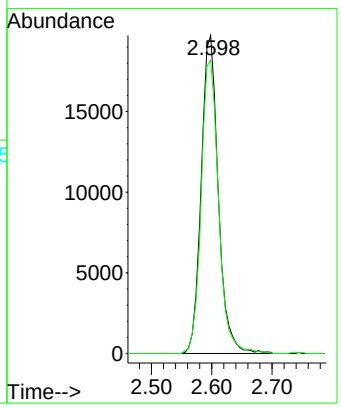




#5
Bromomethane
Concen: 41.303 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 94 Resp: 38716

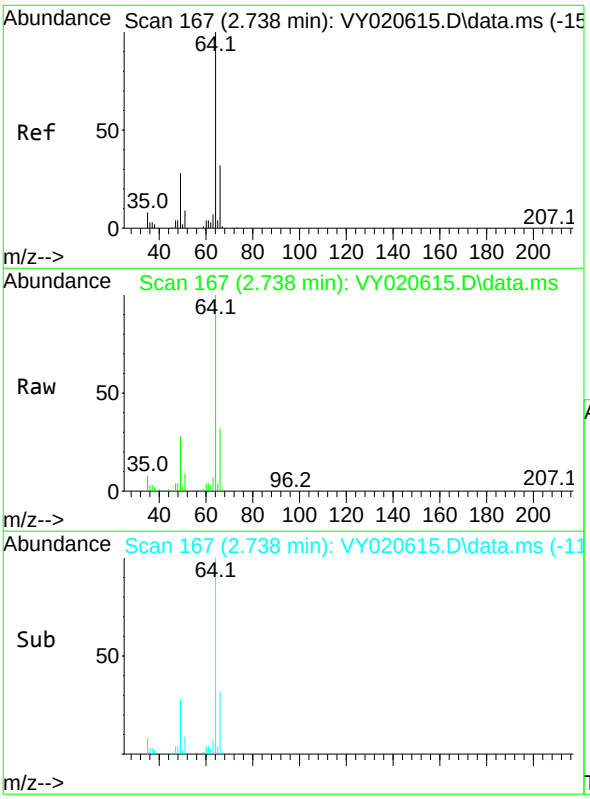
Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

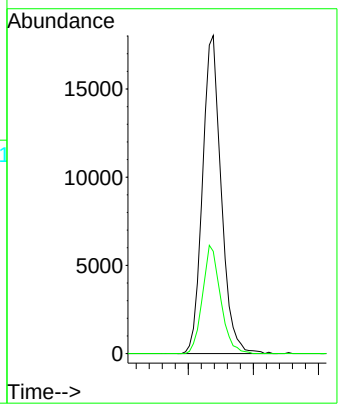
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

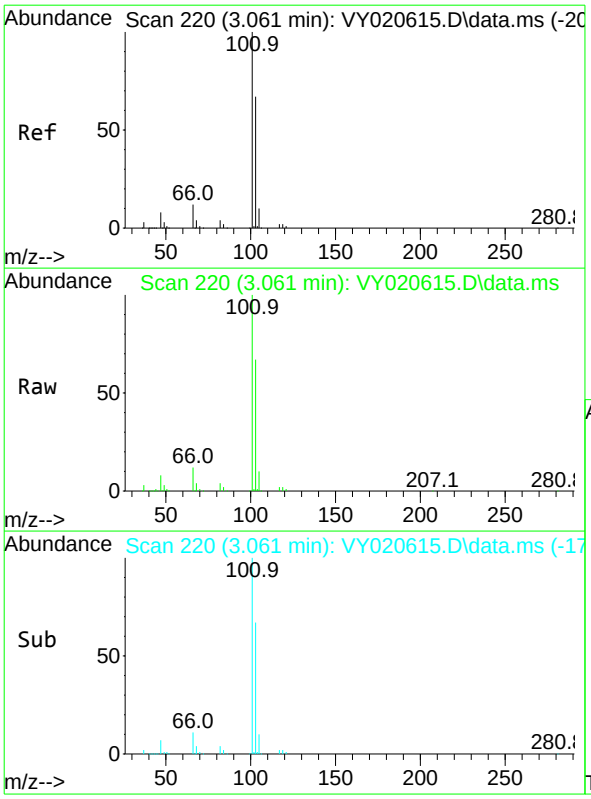


#6
Chloroethane
Concen: 39.890 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 64 Resp: 35946

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6

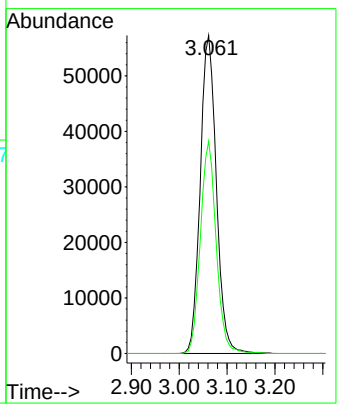




#7
Trichlorofluoromethane
Concen: 43.913 ug/l
RT: 3.061 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:101 Resp: 133990

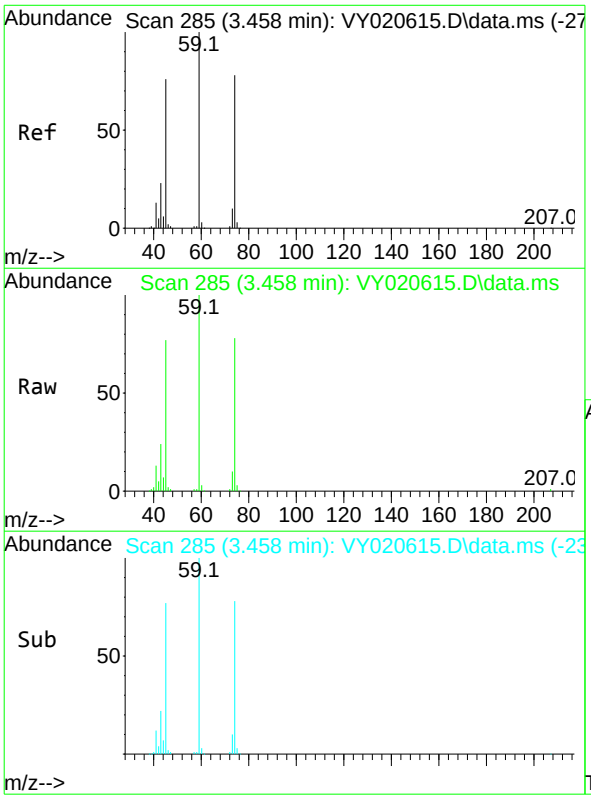
Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

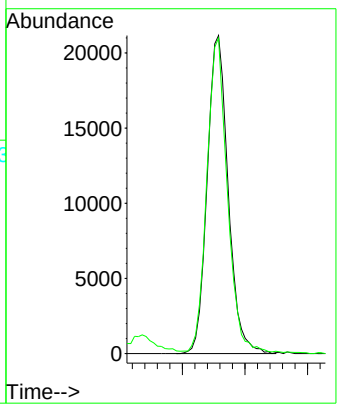
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

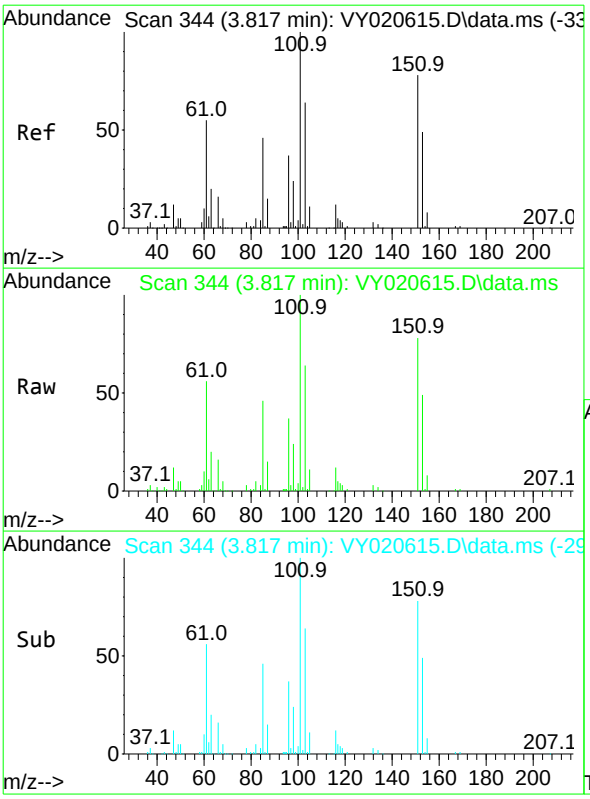


#8
Diethyl Ether
Concen: 45.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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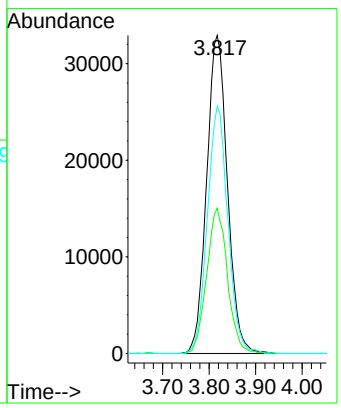
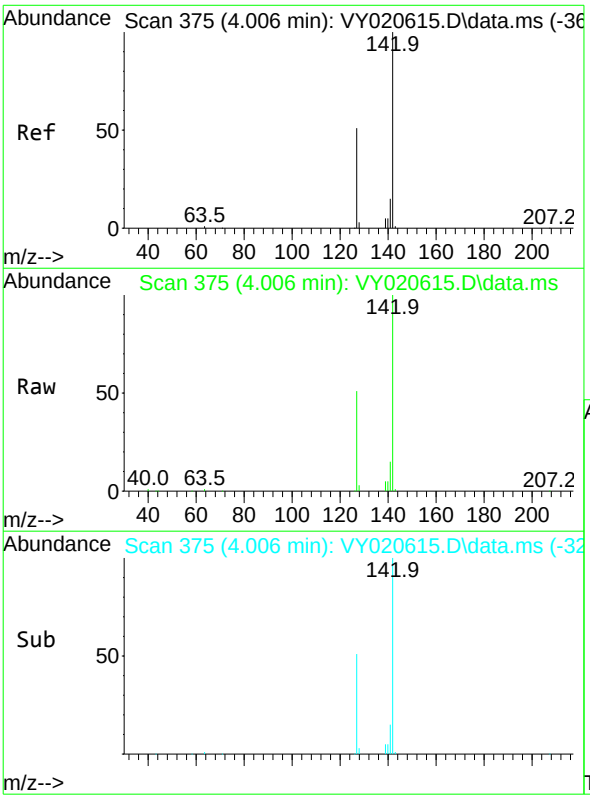
Supervised By :Semsettin Yesilyurt 12/18/2024

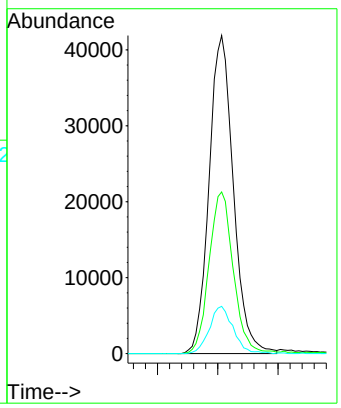


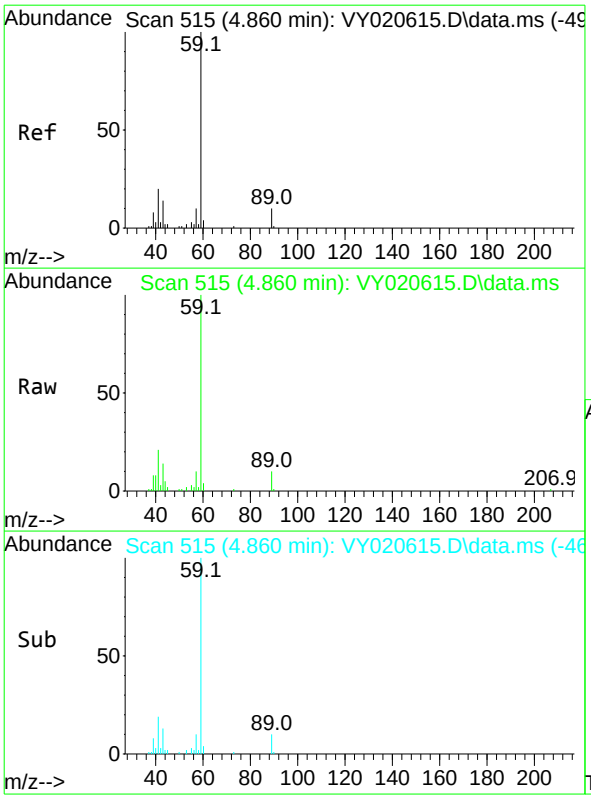


#10
Methyl Iodide
Concen: 48.135 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

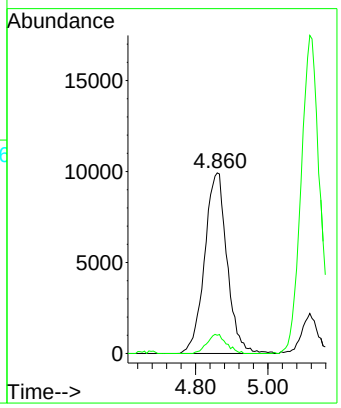




#11
Tert butyl alcohol
Concen: 214.068 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 59 Resp: 42756

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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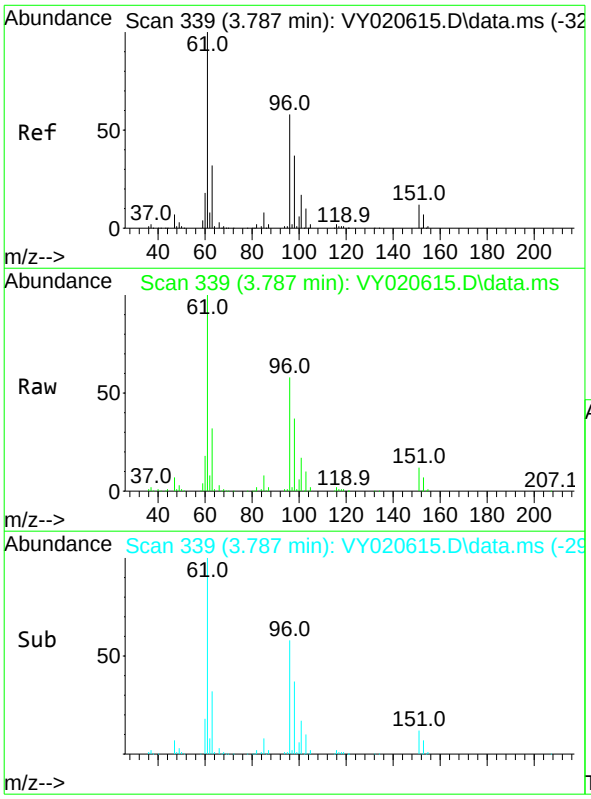
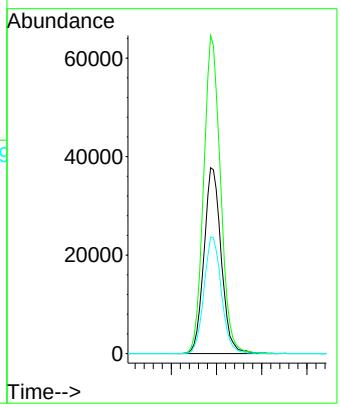
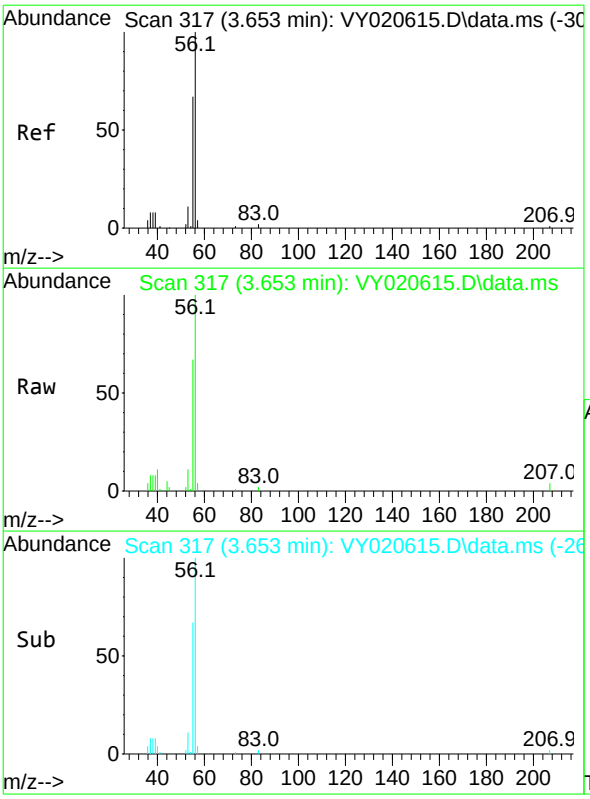


#12
1,1-Dichloroethene
Concen: 47.016 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

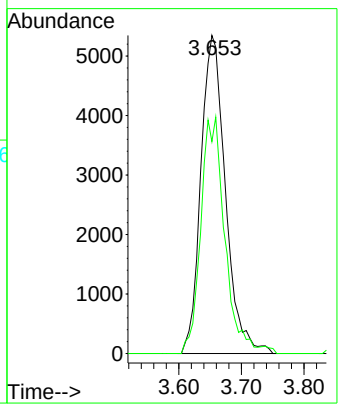




#13
Acrolein
Concen: 166.258 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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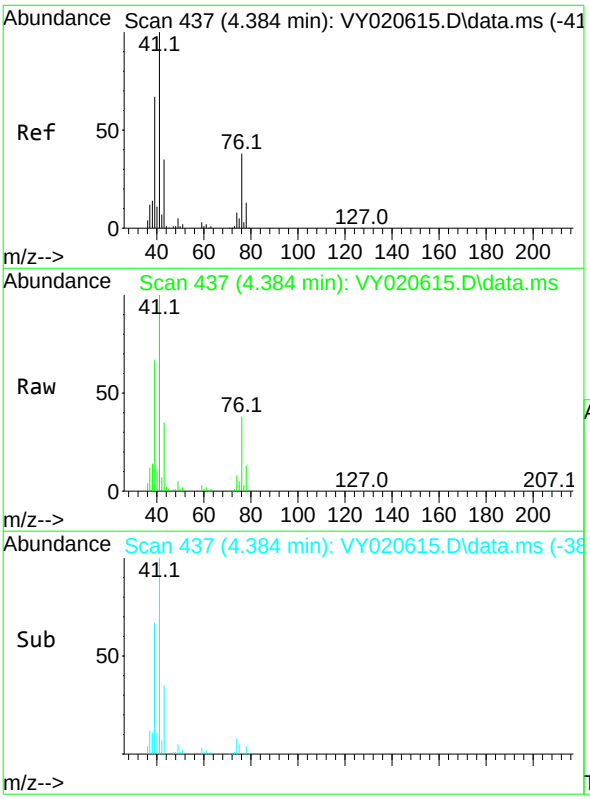
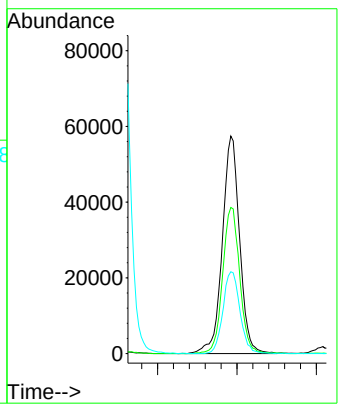
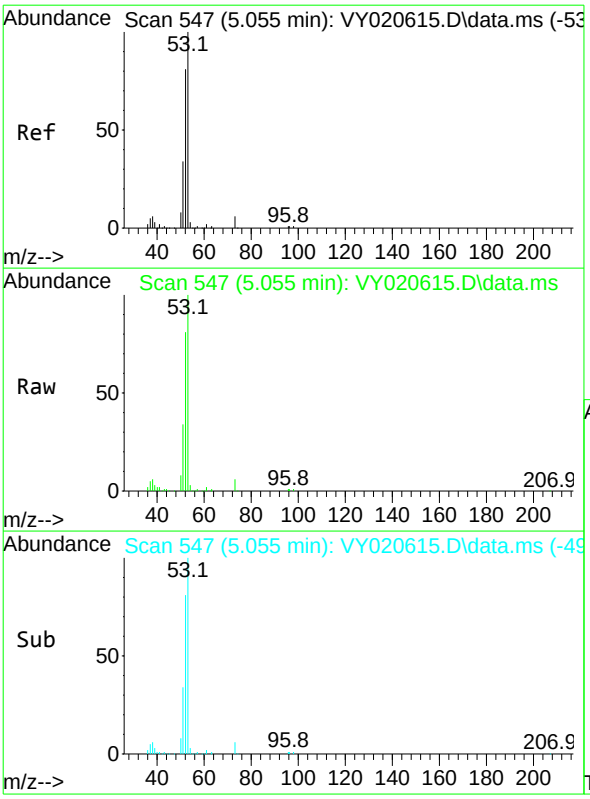


#14
Allyl chloride
Concen: 46.780 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

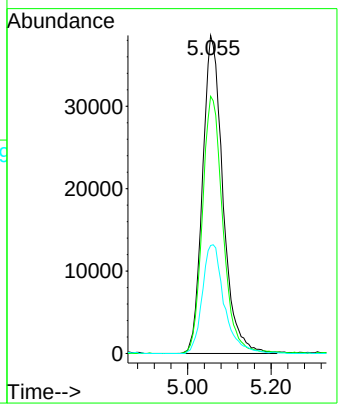




#15
Acrylonitrile
Concen: 255.615 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

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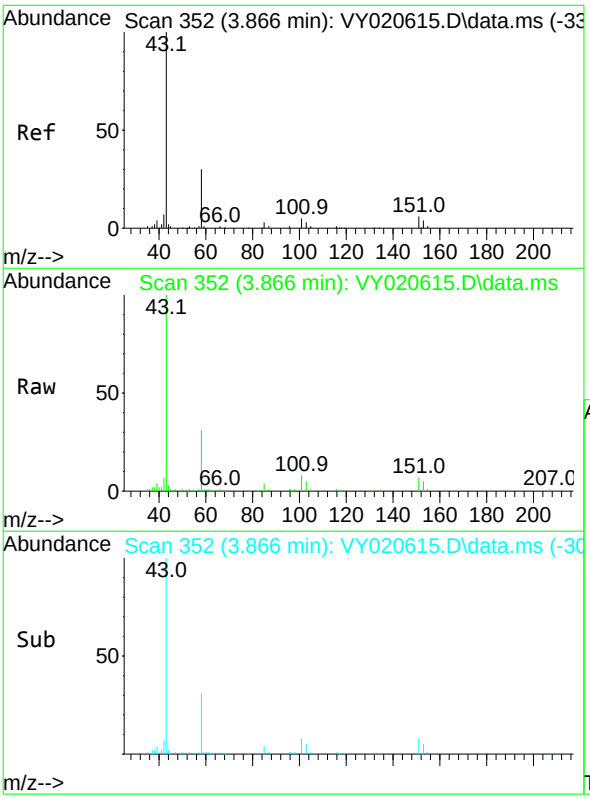
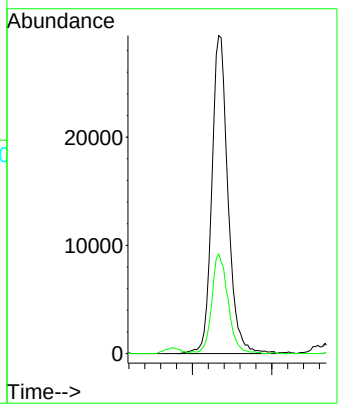
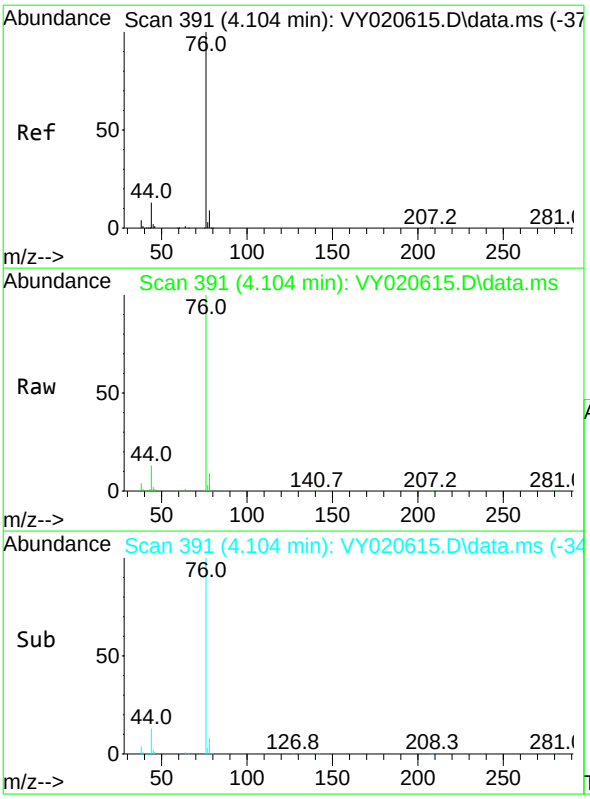


#16
Acetone
Concen: 225.255 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 83206

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6

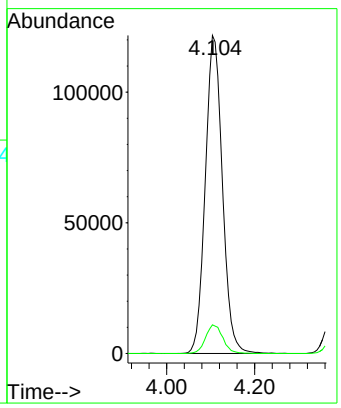




#17
Carbon Disulfide
Concen: 47.529 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 76 Resp: 328309

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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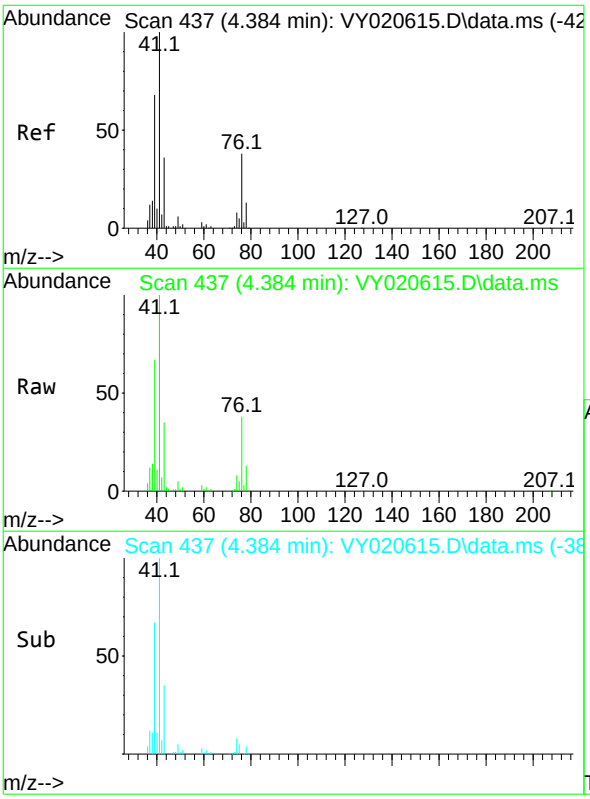
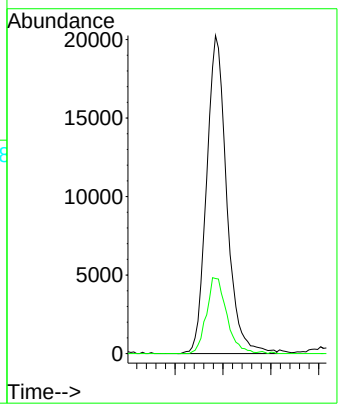
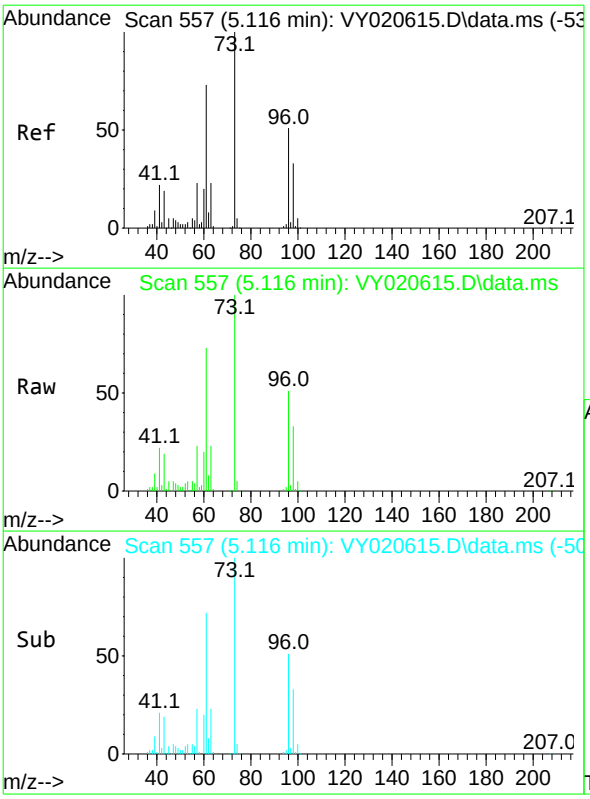


#18
Methyl Acetate
Concen: 46.948 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 59224

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

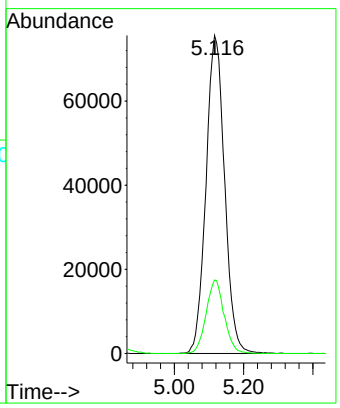




#19
Methyl tert-butyl Ether
Concen: 51.414 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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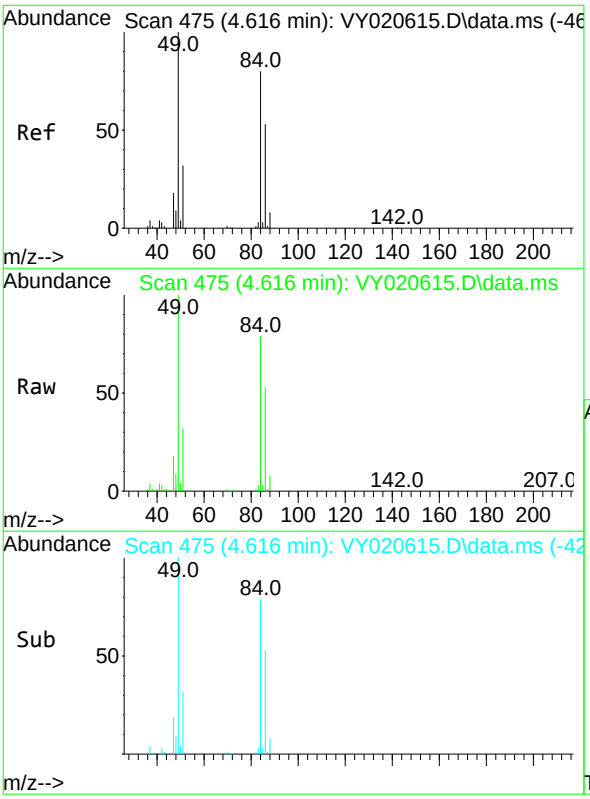
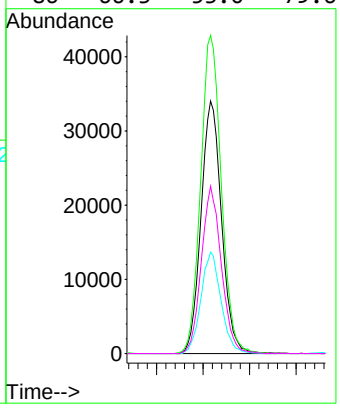
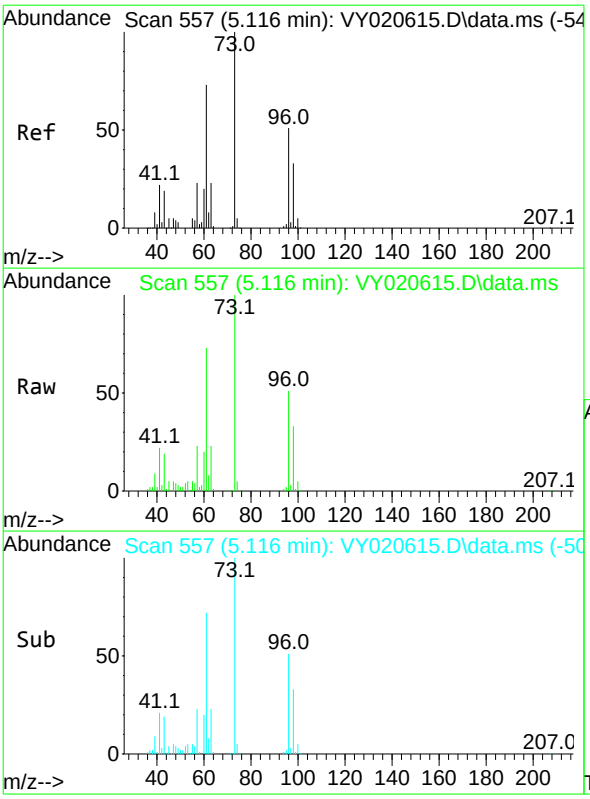


#20
Methylene Chloride
Concen: 45.319 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

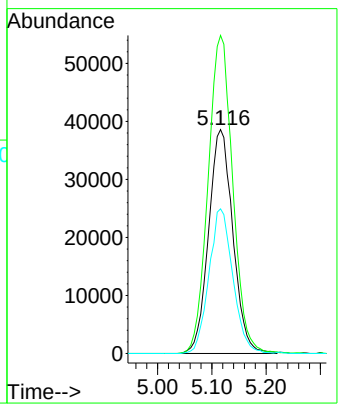




#21
trans-1,2-Dichloroethene
Concen: 50.488 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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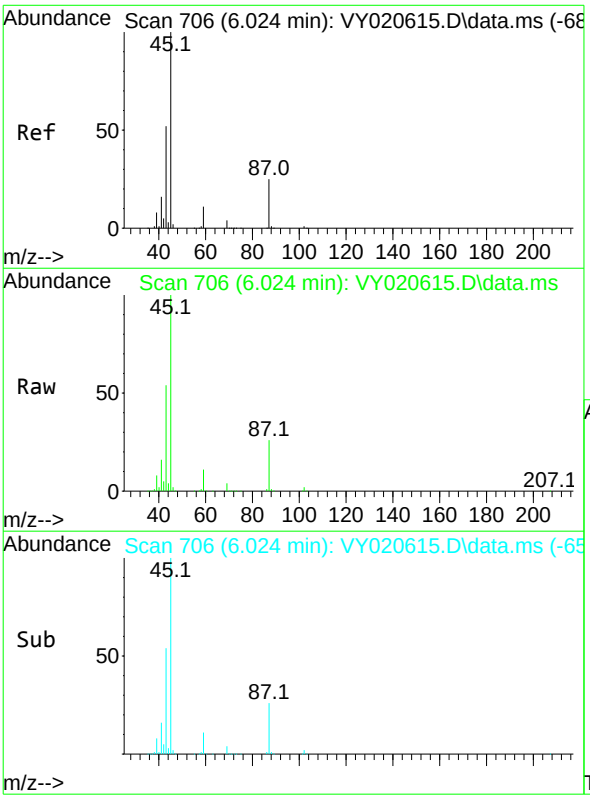
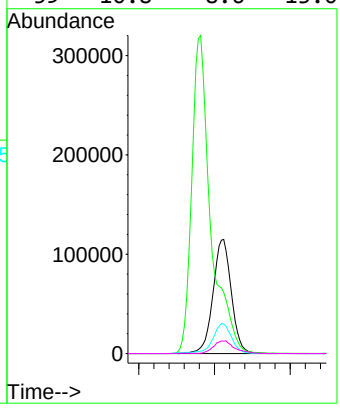
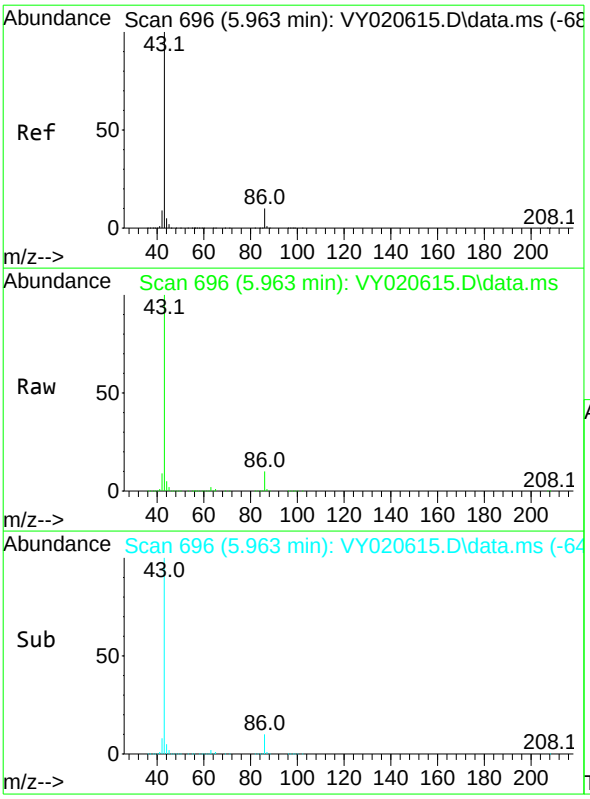


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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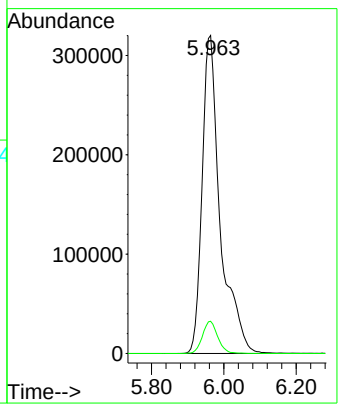
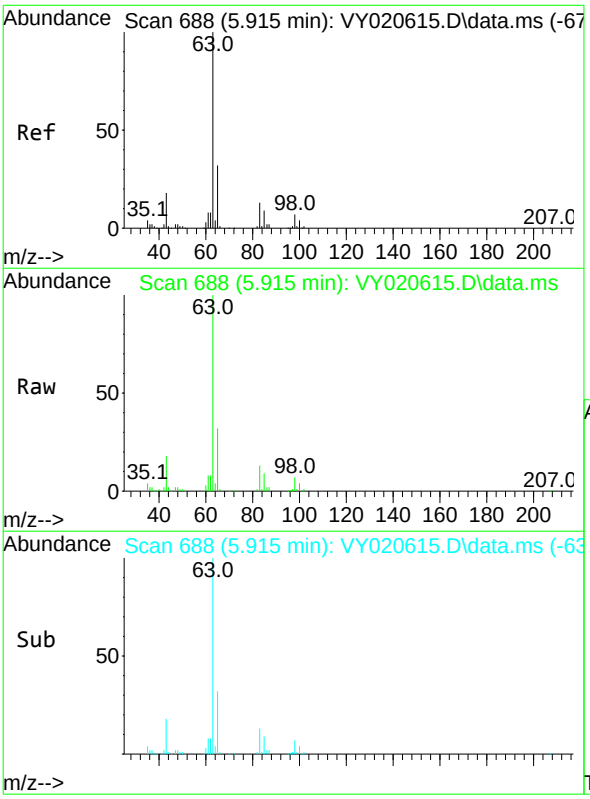
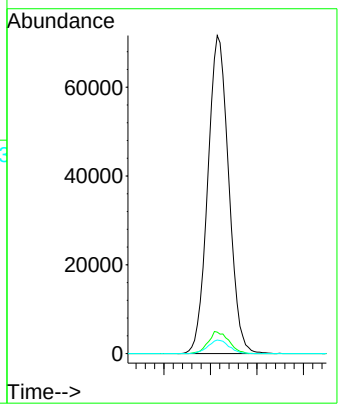


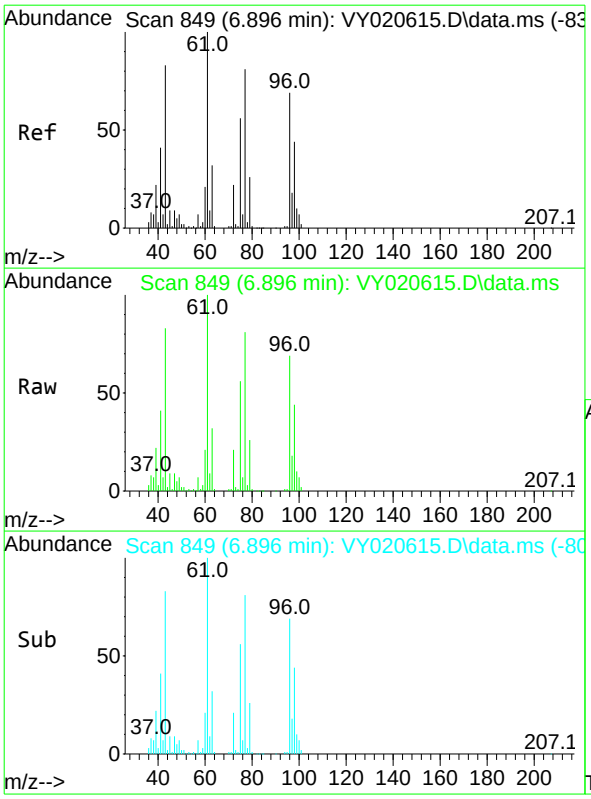


#24
1,1-Dichloroethane
Concen: 50.635 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

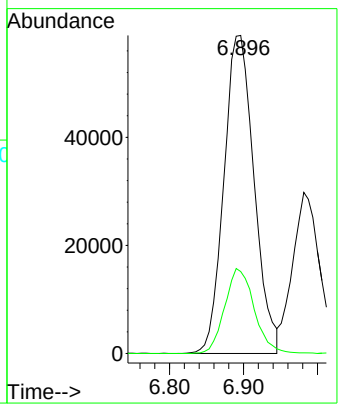




#25
2-Butanone
Concen: 242.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 167158

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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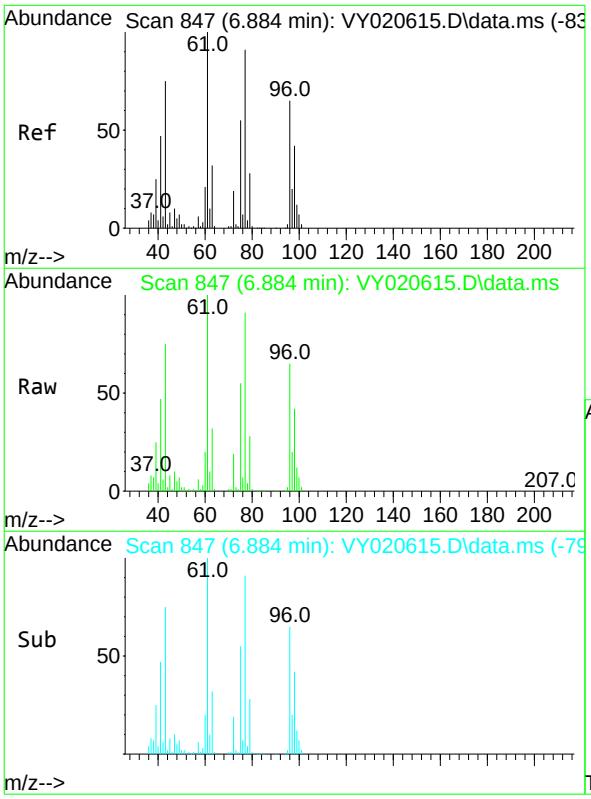
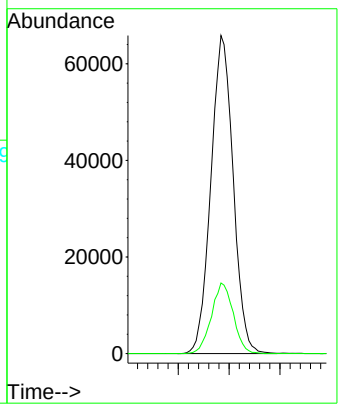
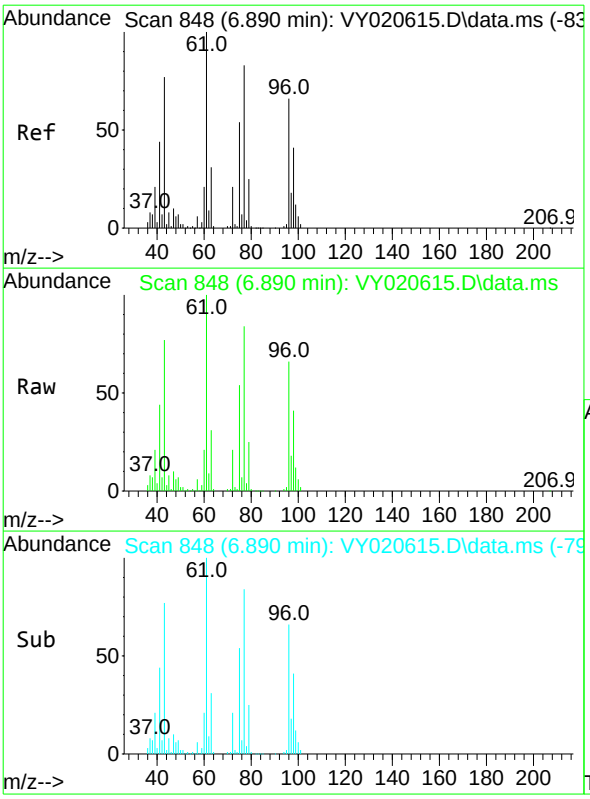


#26
2,2-Dichloropropane
Concen: 47.951 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 77 Resp: 200438

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6

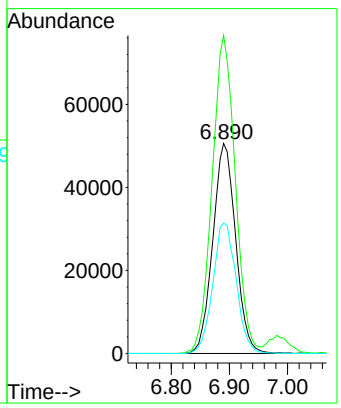




#27
cis-1,2-Dichloroethene
Concen: 50.490 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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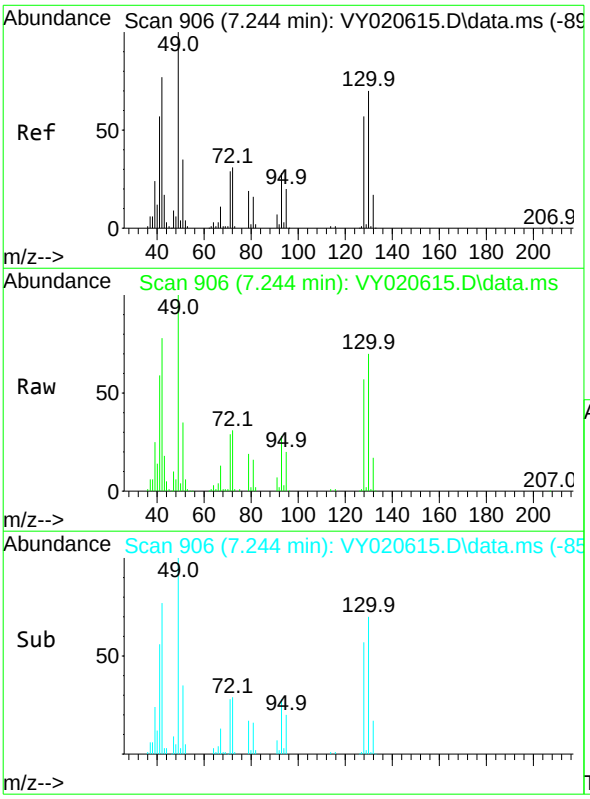
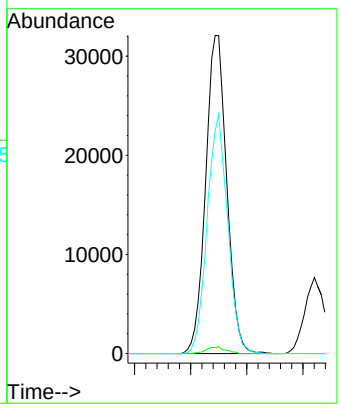
Supervised By :Semsettin Yesilyurt 12/18/2024

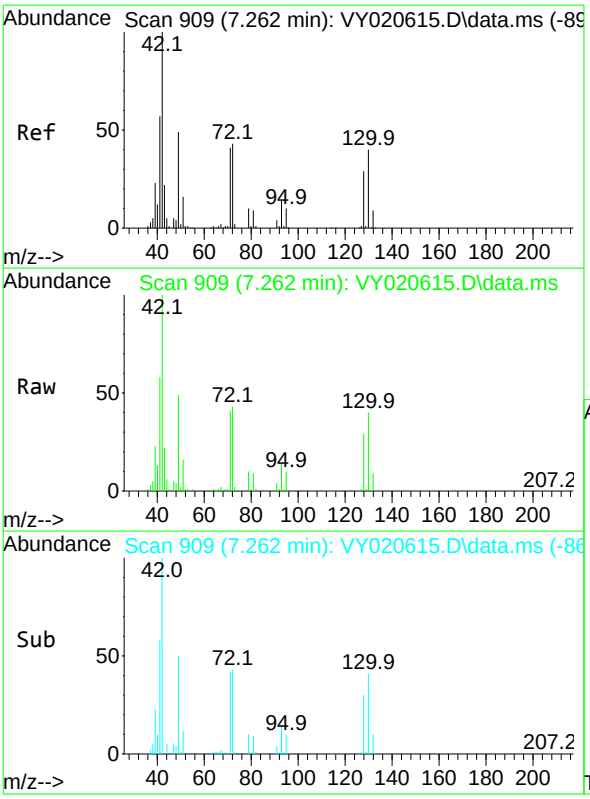


#28
Bromochloromethane
Concen: 56.199 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

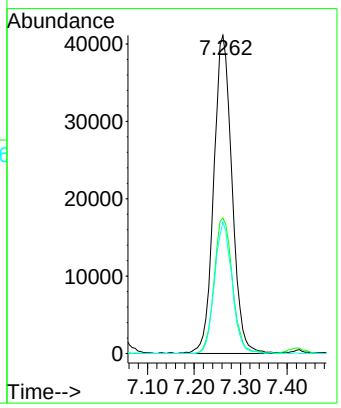




#29
Tetrahydrofuran
Concen: 258.011 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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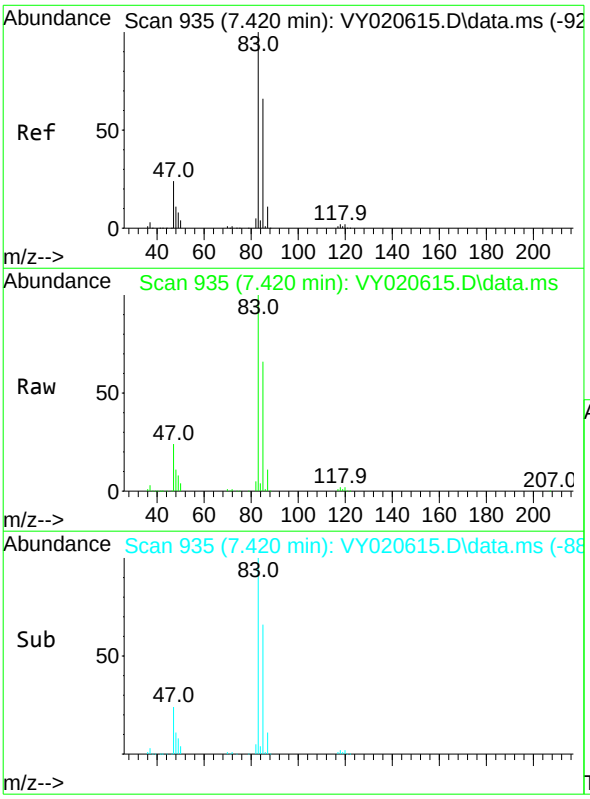
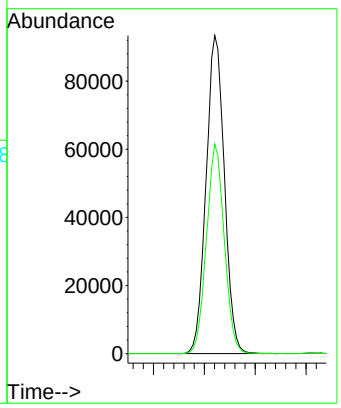
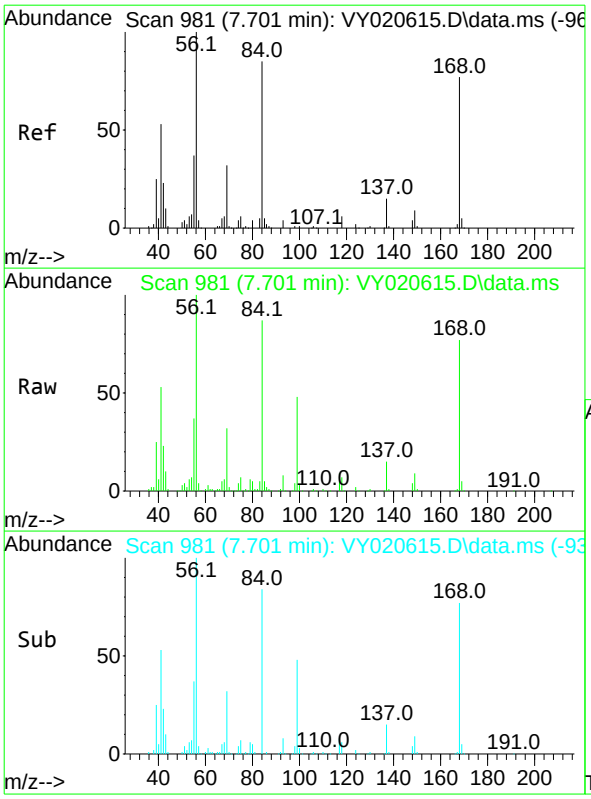


#30
Chloroform
Concen: 52.860 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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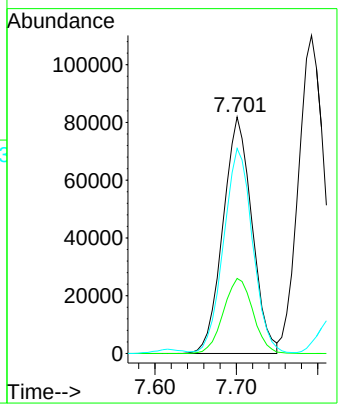
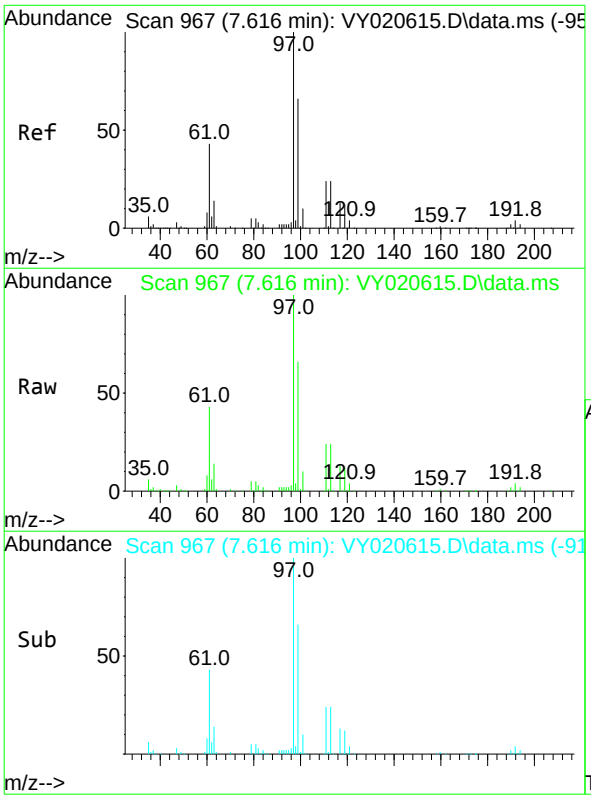
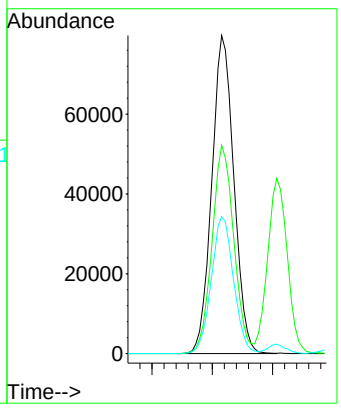


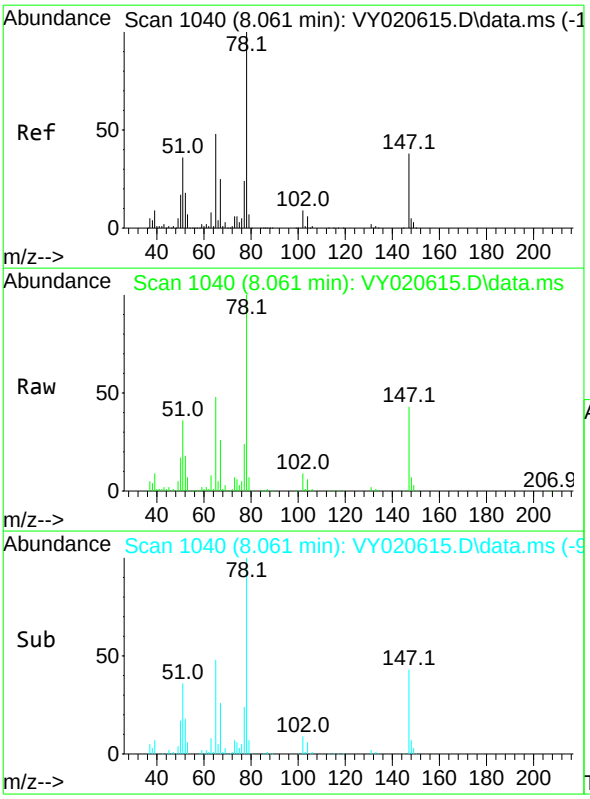


#32
1,1,1-Trichloroethane
Concen: 49.911 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

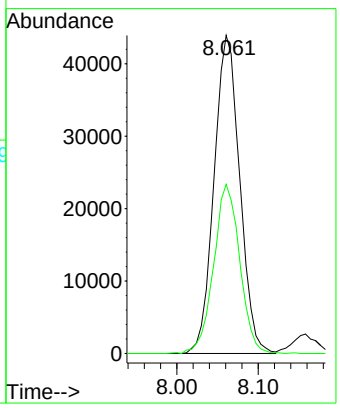




#33
1,2-Dichloroethane-d4
Concen: 51.933 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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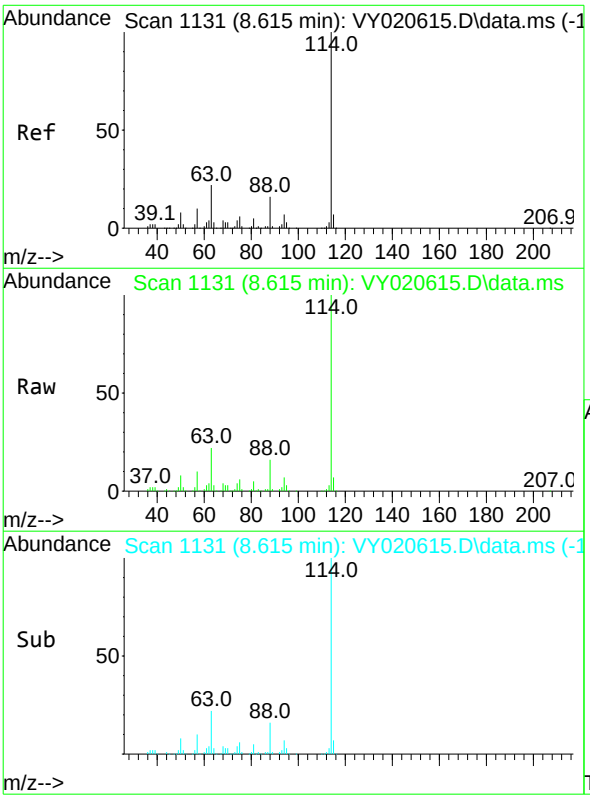
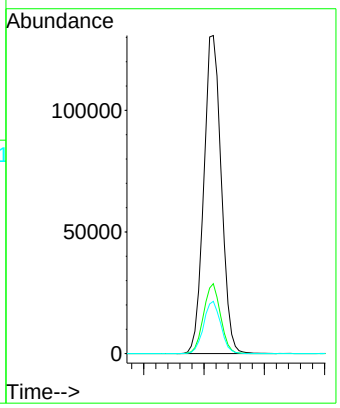
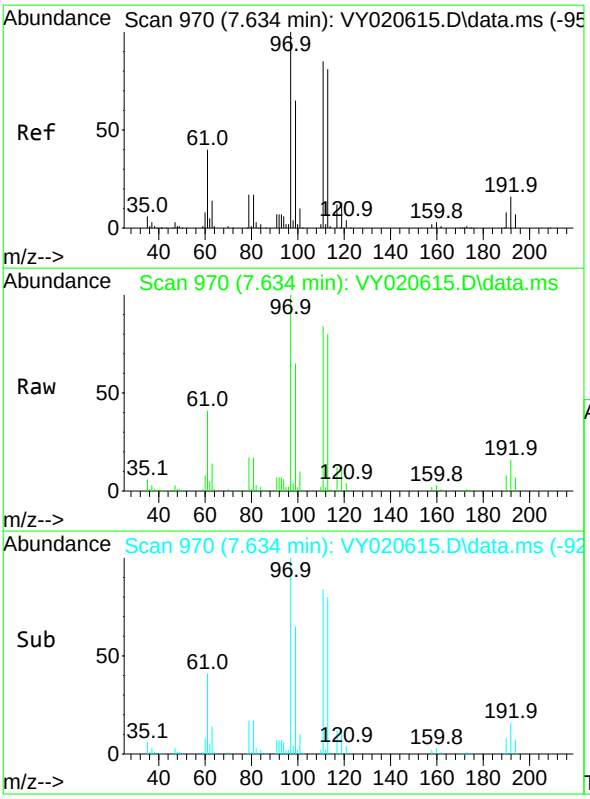


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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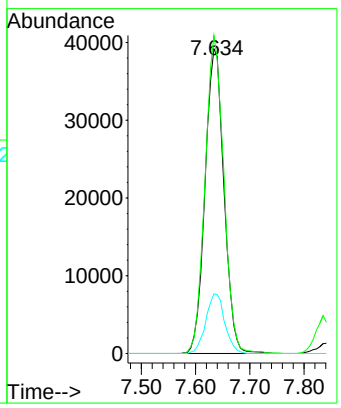
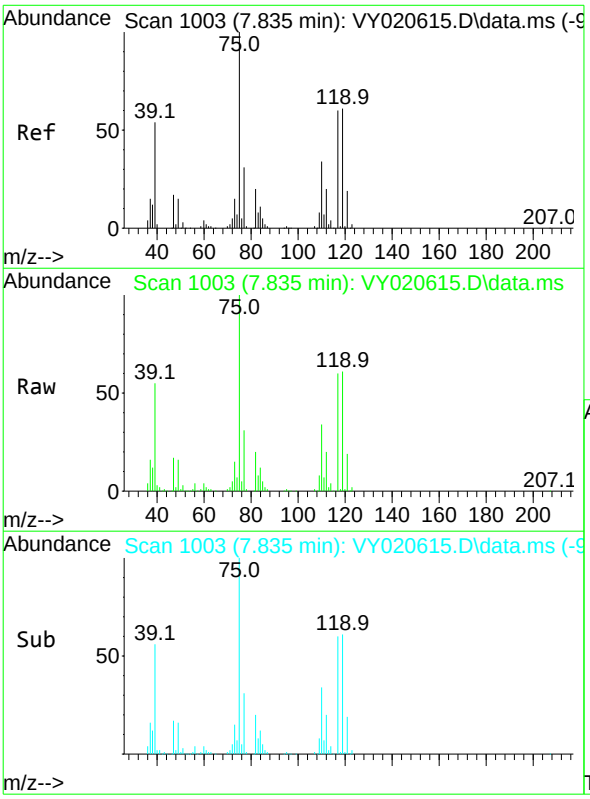
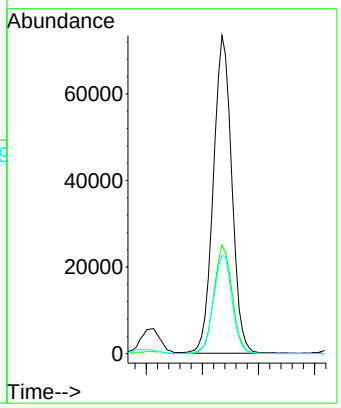


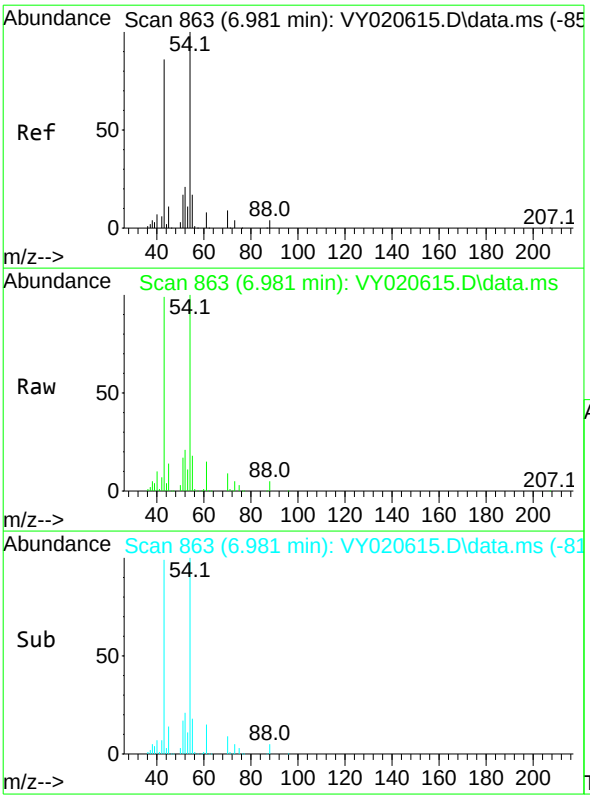


#36
1,1-Dichloropropene
Concen: 49.533 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

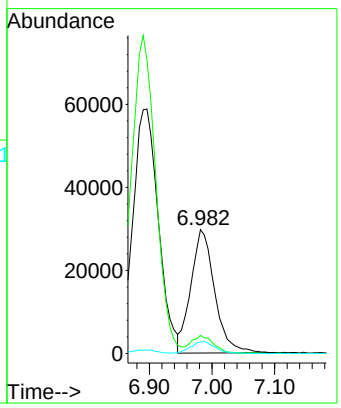




#37
Ethyl Acetate
Concen: 49.275 ug/l
RT: 6.981 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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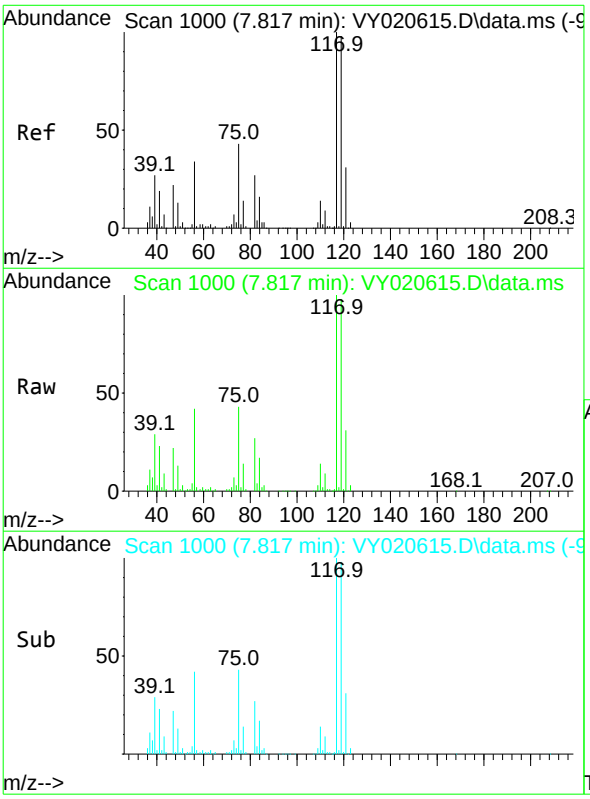
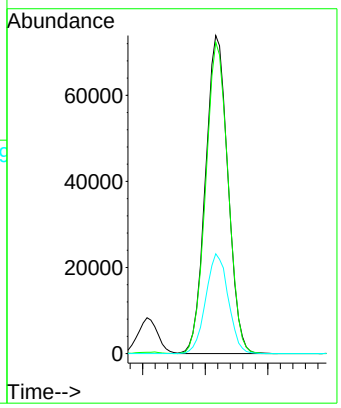
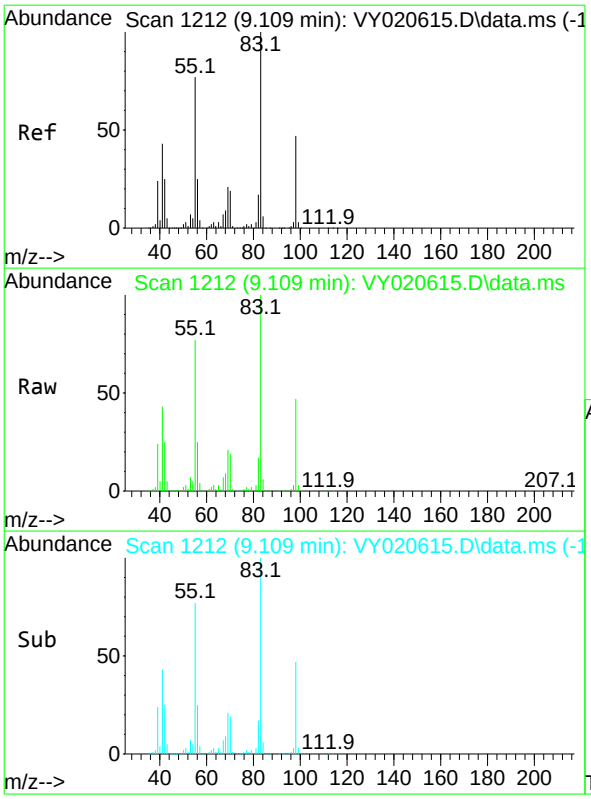


#38
Carbon Tetrachloride
Concen: 49.267 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

Manual Integrations
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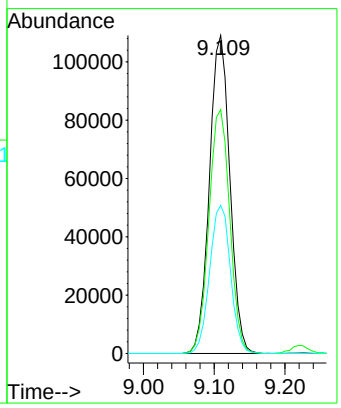
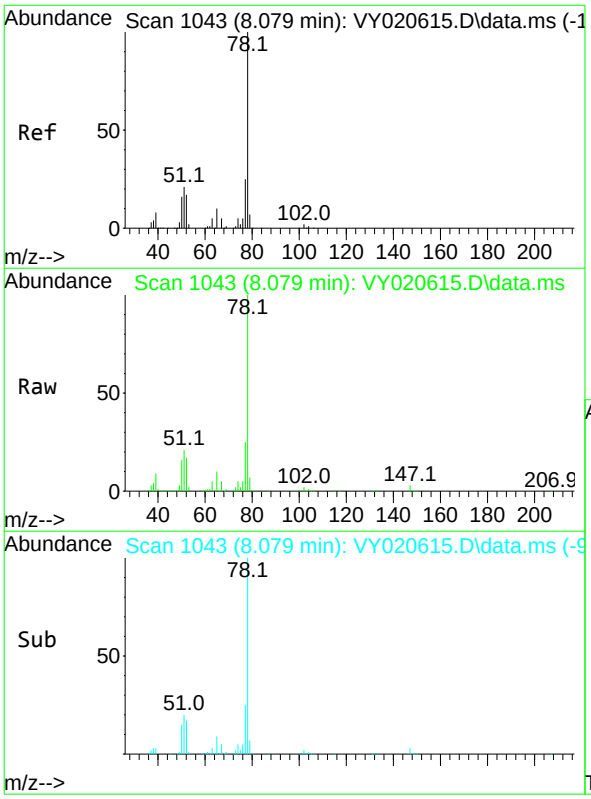
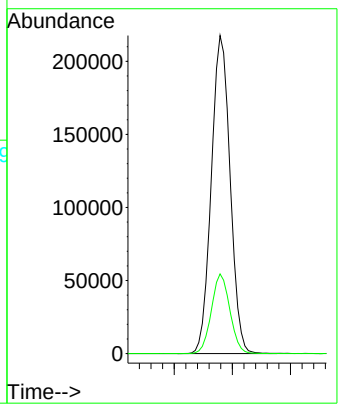


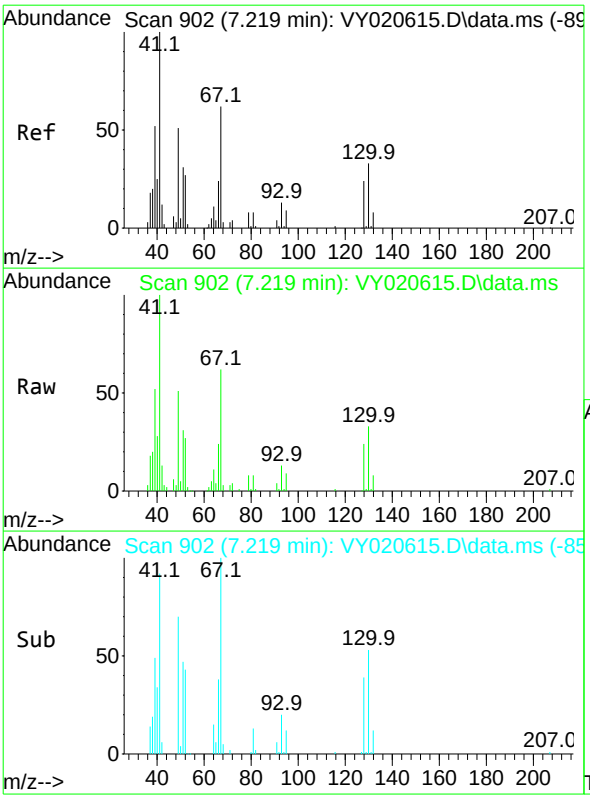


#40
Benzene
Concen: 49.343 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 78 Resp: 489140

Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.1	30.1

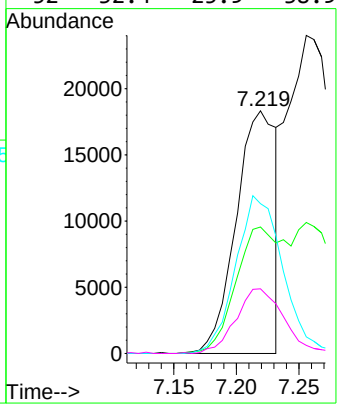




#41
Methacrylonitrile
Concen: 48.191 ug/l
RT: 7.219 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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 :
VSTDICCC050

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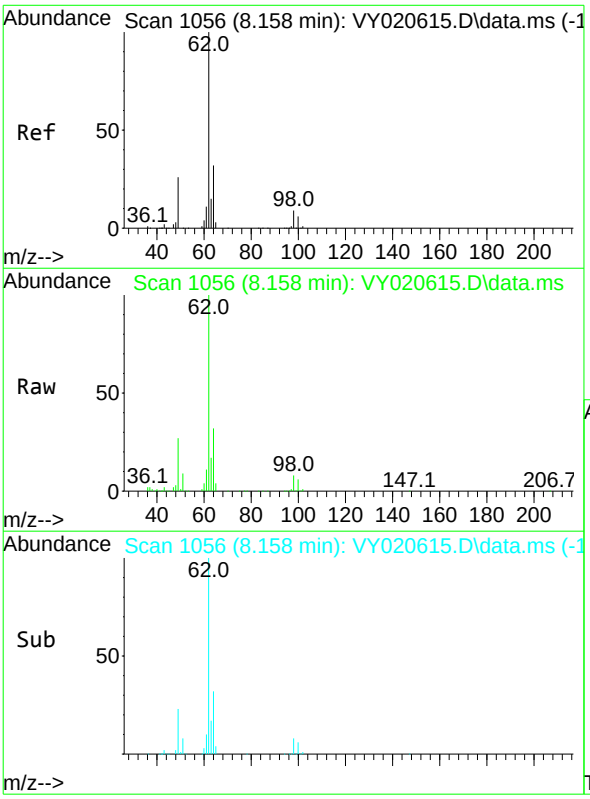
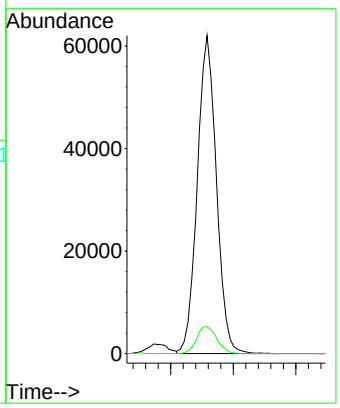
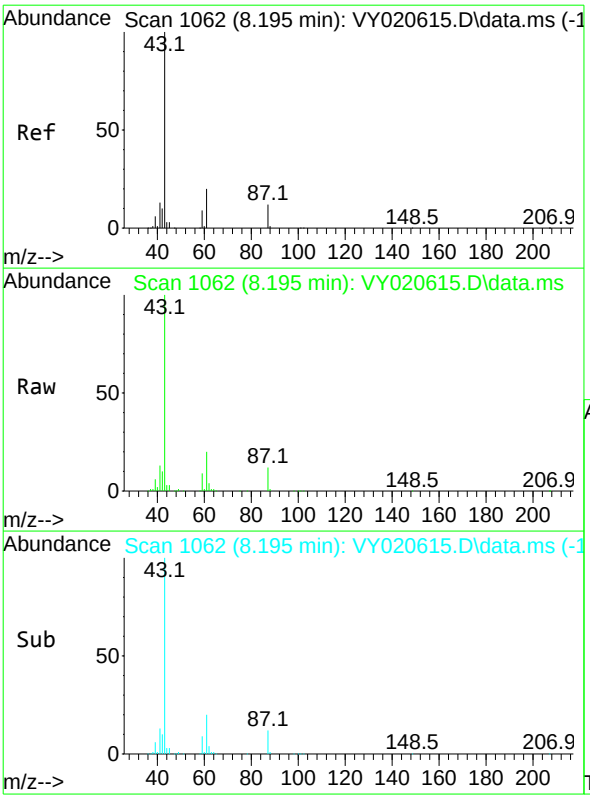


#42
1,2-Dichloroethane
Concen: 50.069 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 131640

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0

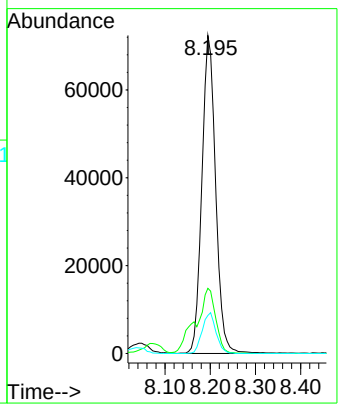




#43
Isopropyl Acetate
Concen: 50.877 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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 :
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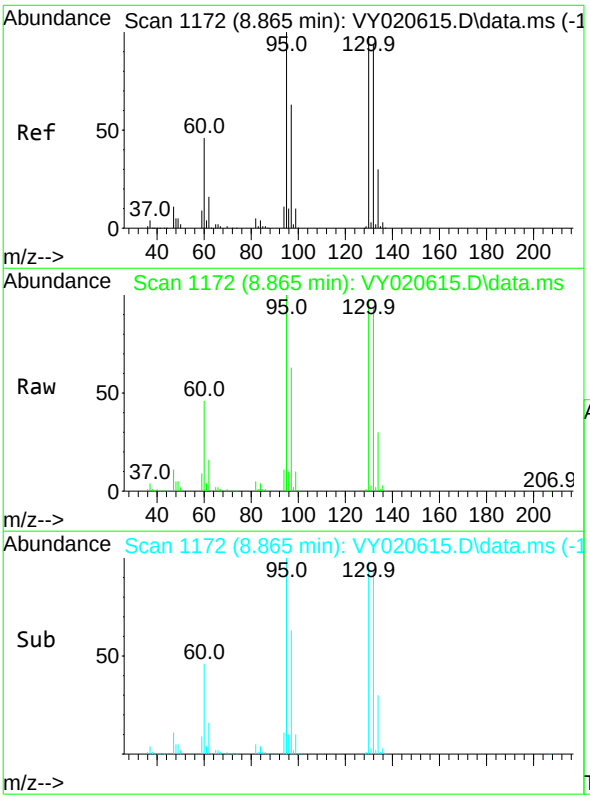
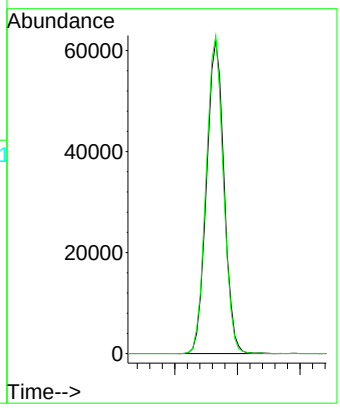
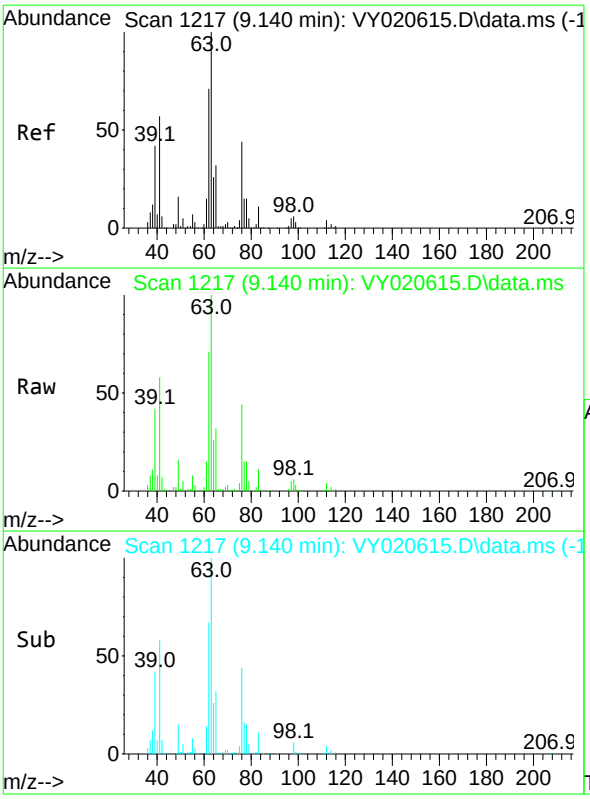


#44
Trichloroethene
Concen: 49.491 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:130 Resp: 120552

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.2

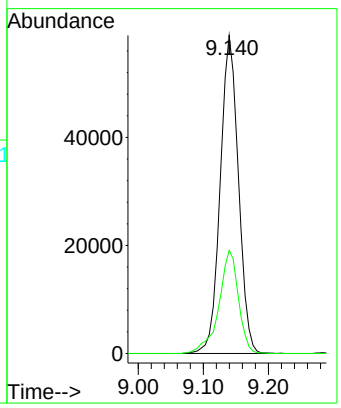




#45
1,2-Dichloropropane
Concen: 49.313 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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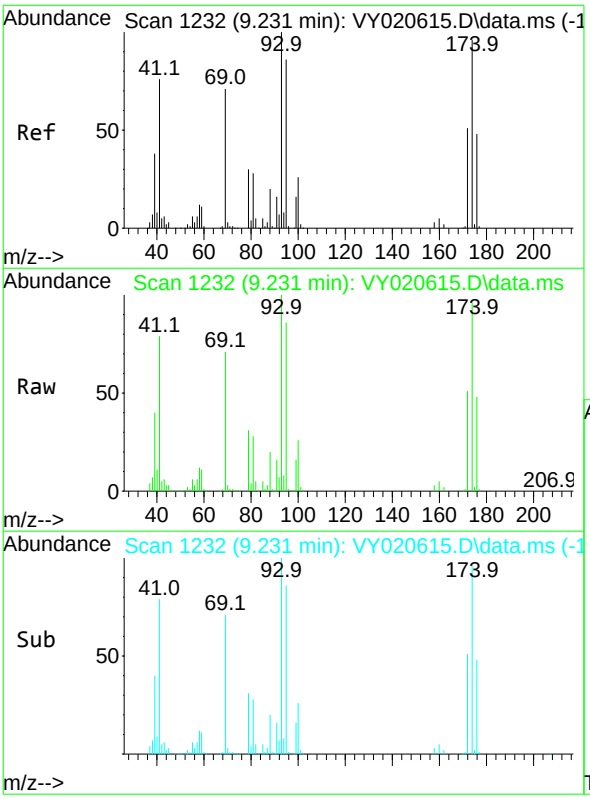
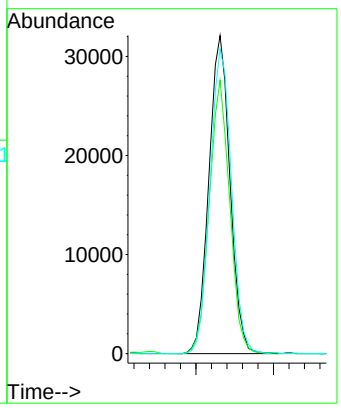
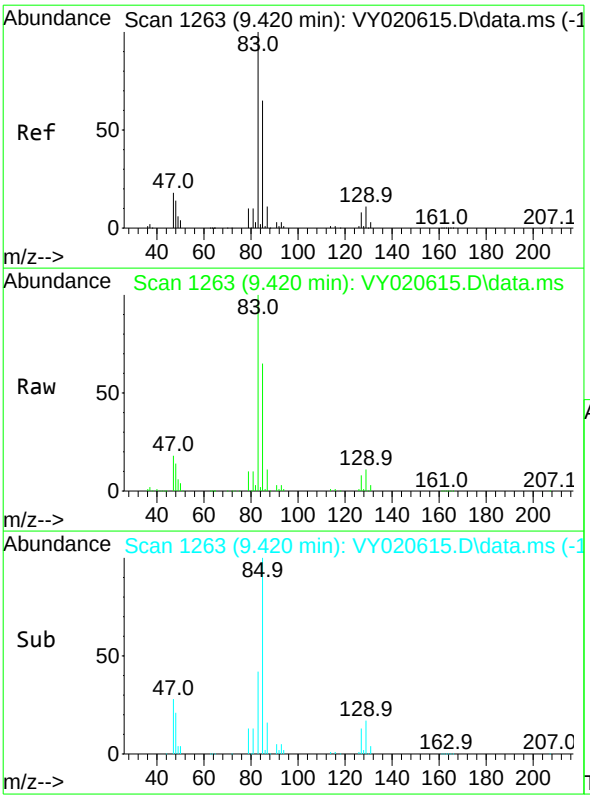


#46
Dibromomethane
Concen: 49.642 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

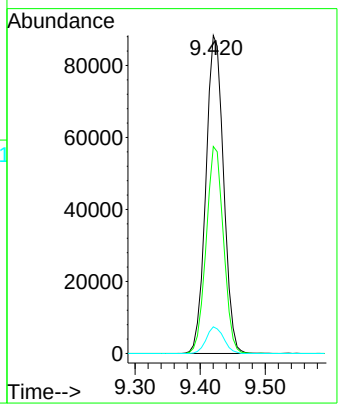




#47
Bromodichloromethane
Concen: 50.291 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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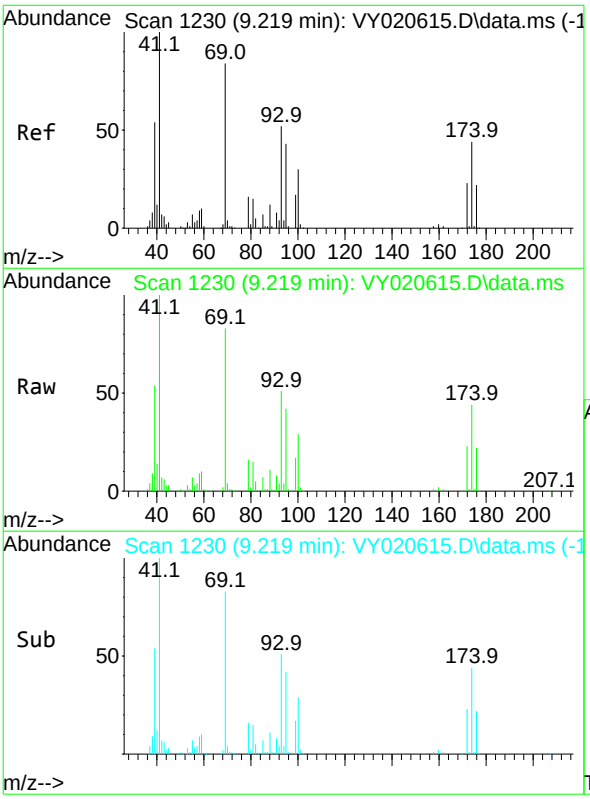
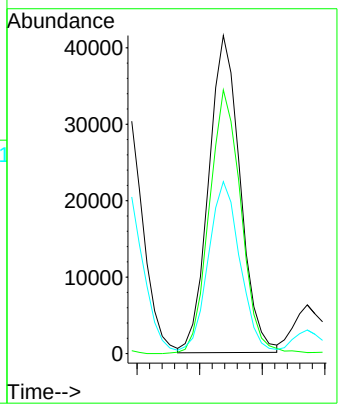
Supervised By :Semsettin Yesilyurt 12/18/2024

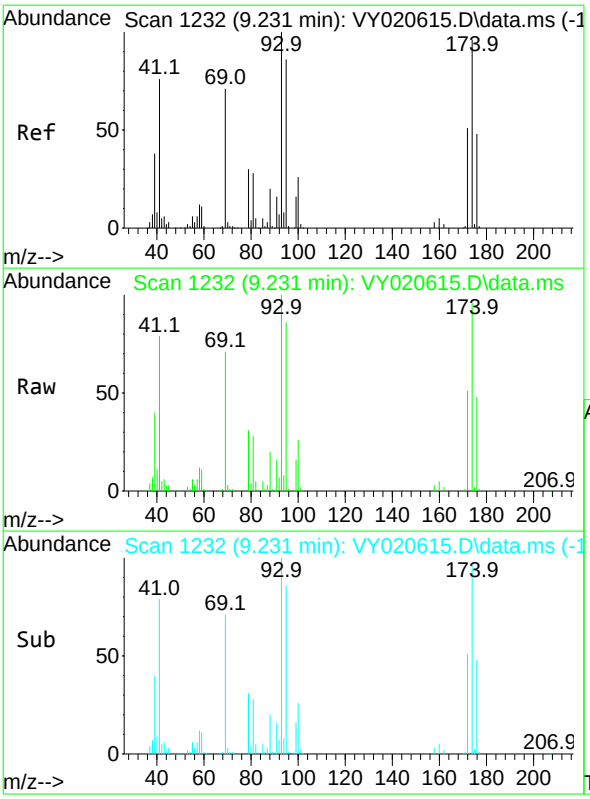


#48
Methyl methacrylate
Concen: 50.709 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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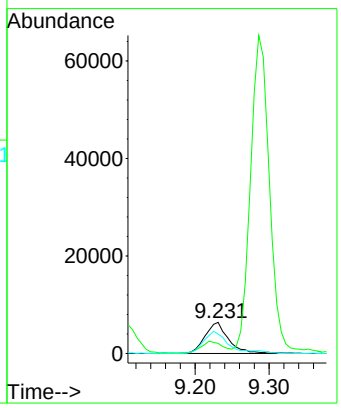
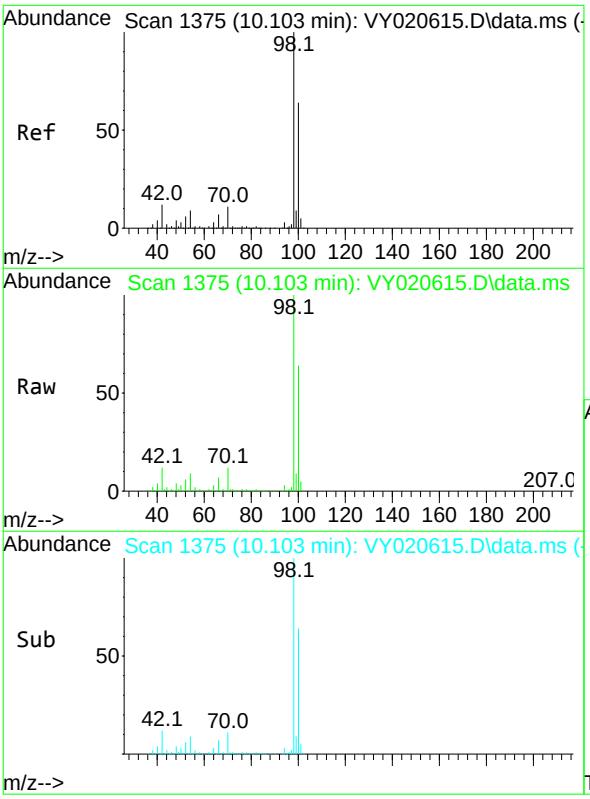
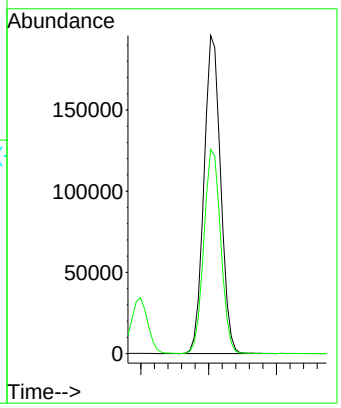


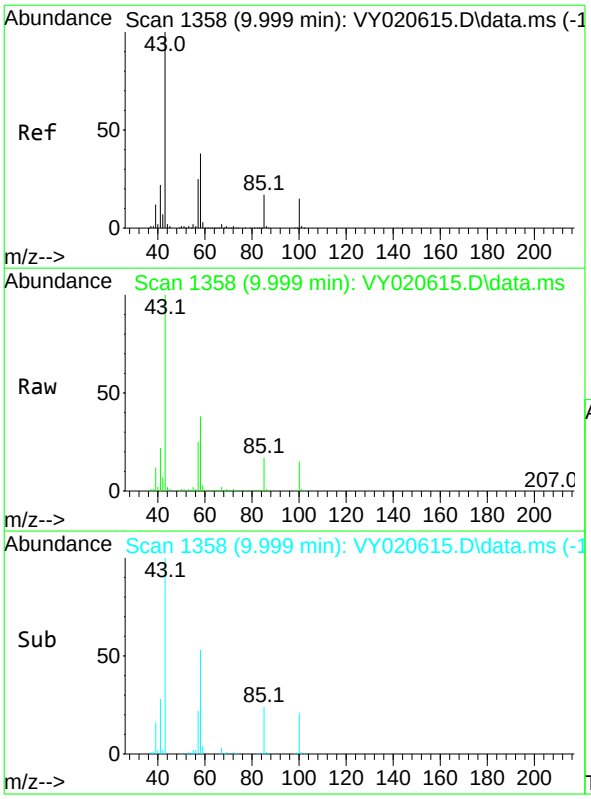


#50
Toluene-d8
Concen: 51.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 98 Resp: 334601

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

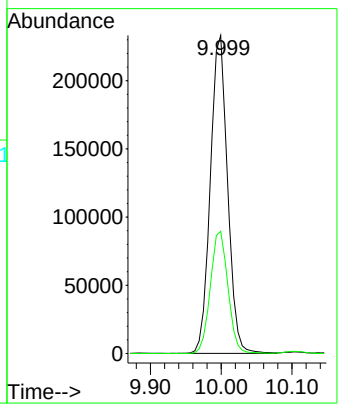




#51
4-Methyl-2-Pentanone
Concen: 247.835 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 393979

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2



Instrument :
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ClientSampleId :
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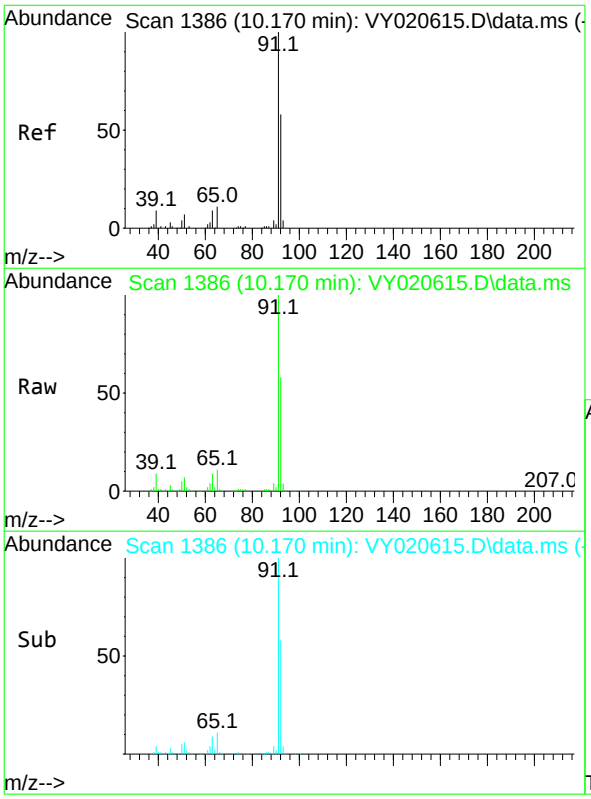
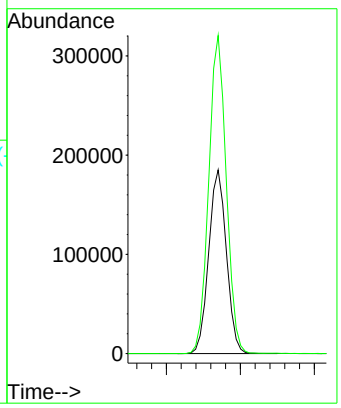
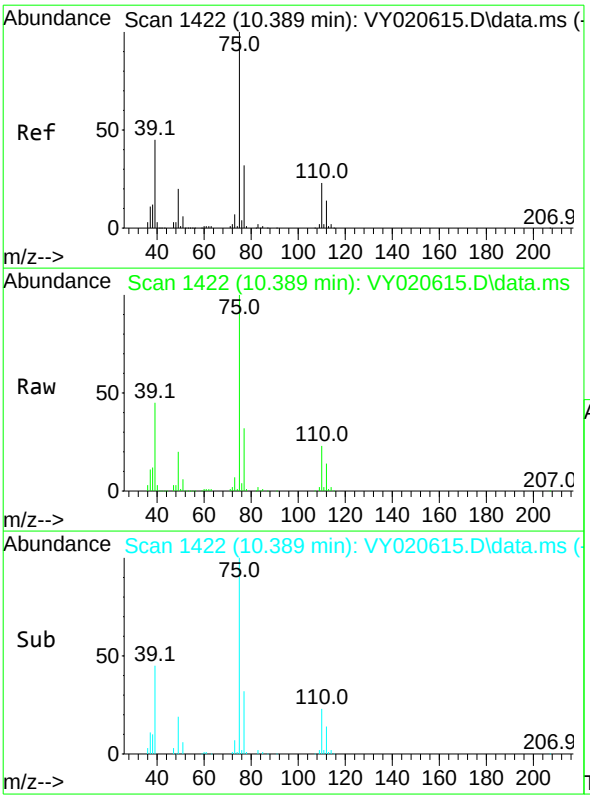


#52
Toluene
Concen: 49.846 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 92 Resp: 307082

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0

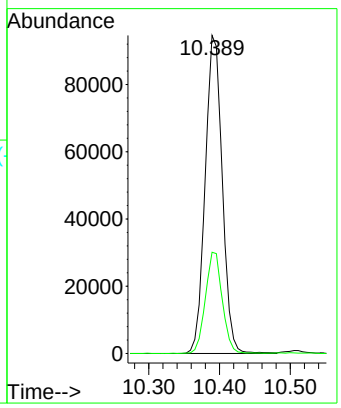




#53
t-1,3-Dichloropropene
Concen: 51.442 ug/l
RT: 10.389 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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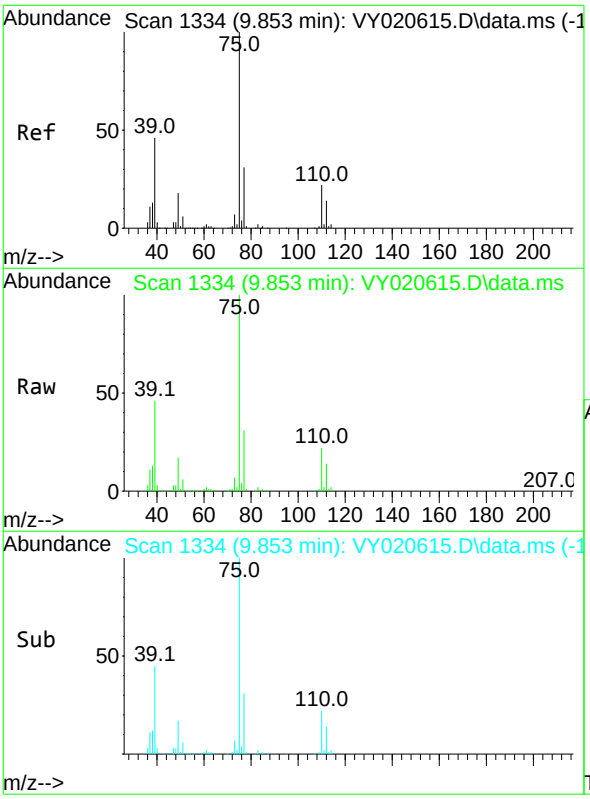
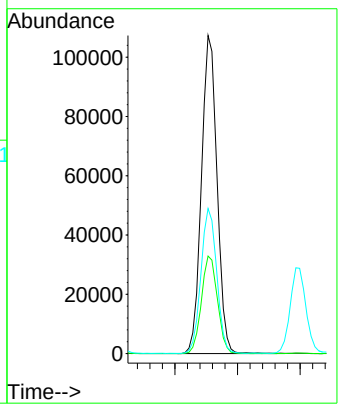
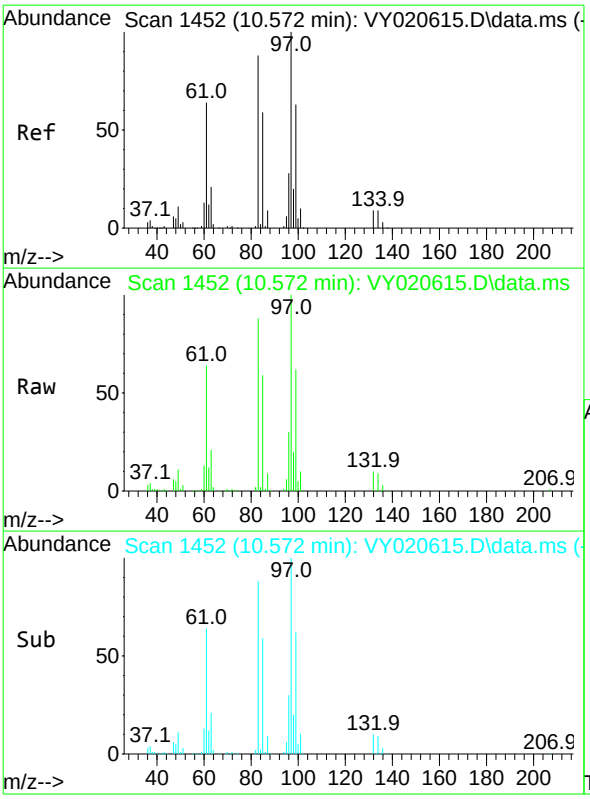


#54
cis-1,3-Dichloropropene
Concen: 50.849 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

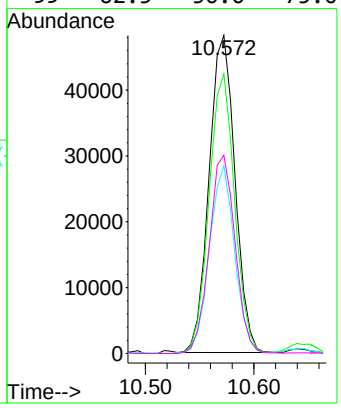




#55
1,1,2-Trichloroethane
Concen: 49.318 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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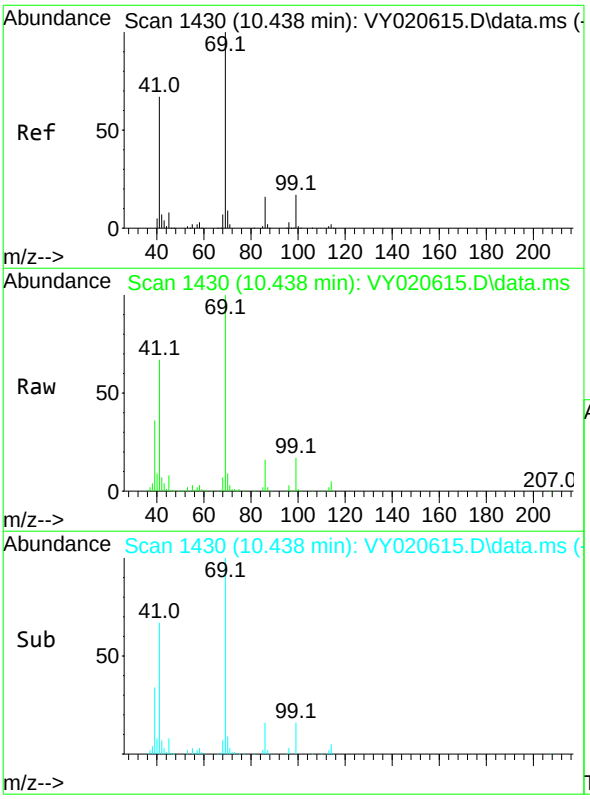
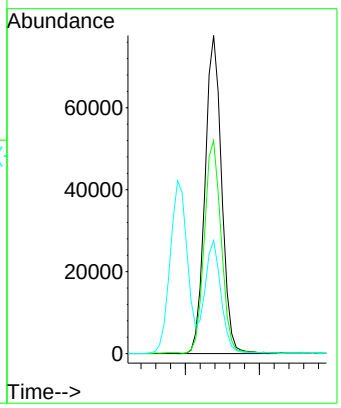
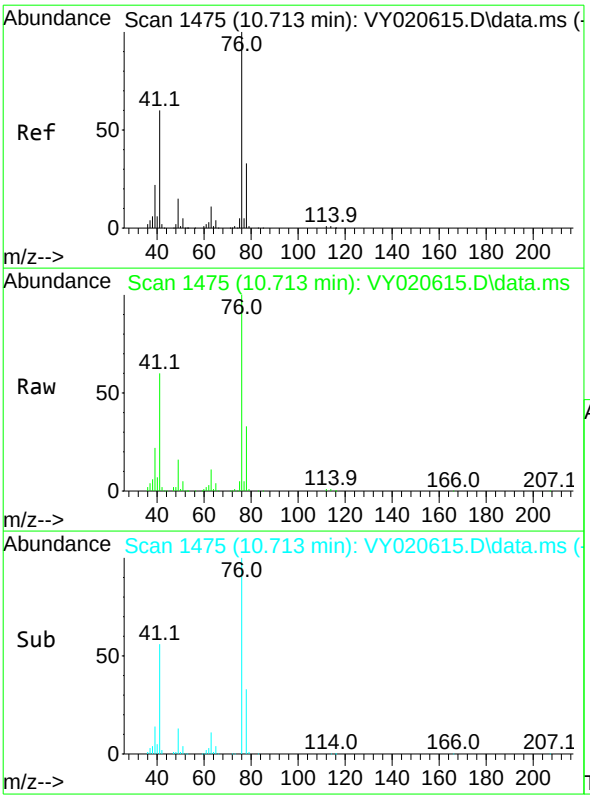


#56
Ethyl methacrylate
Concen: 51.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

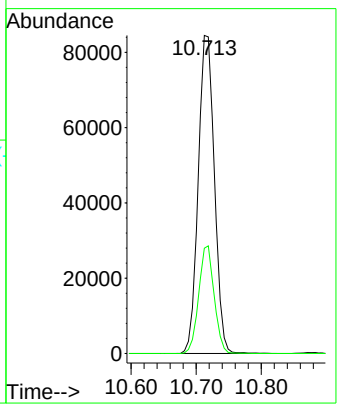




#57
1,3-Dichloropropane
Concen: 50.611 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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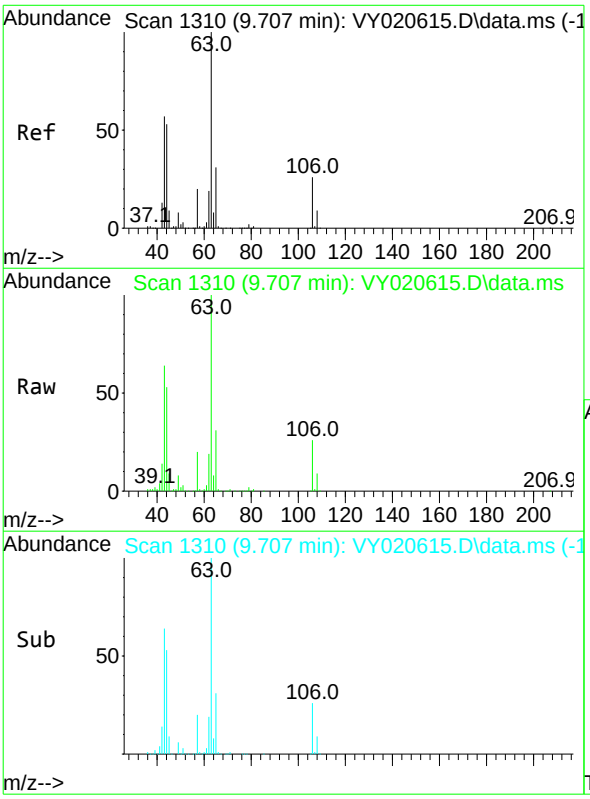
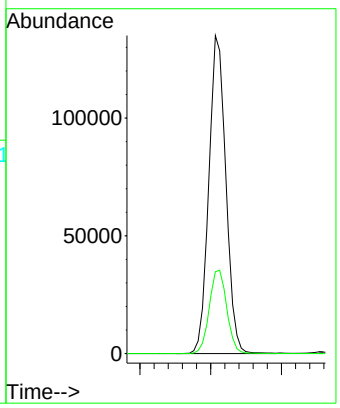
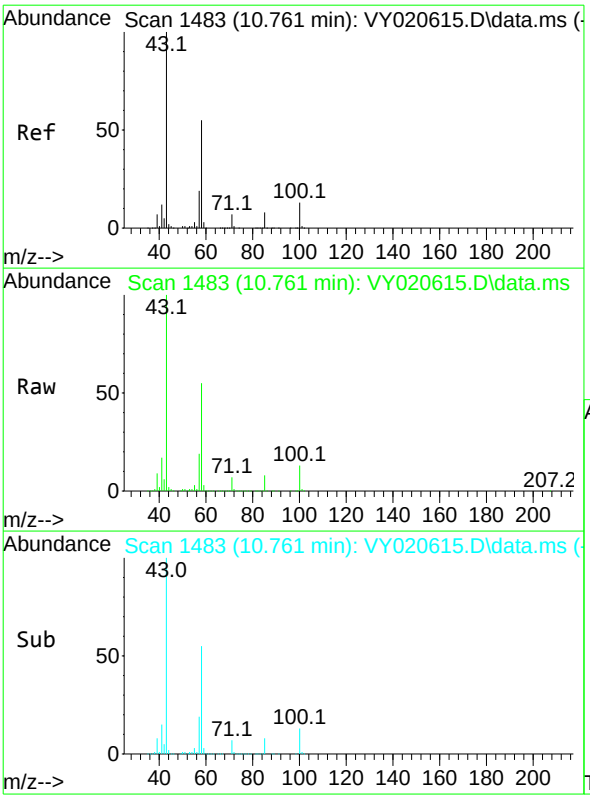


#58
2-Chloroethyl Vinyl ether
Concen: 228.767 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 226061

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

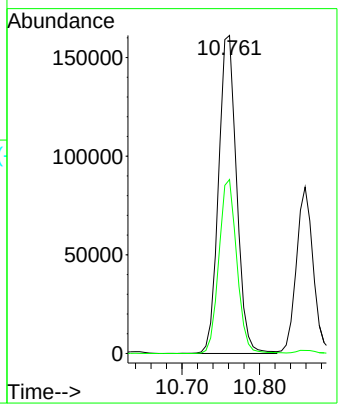




#59
2-Hexanone
Concen: 256.048 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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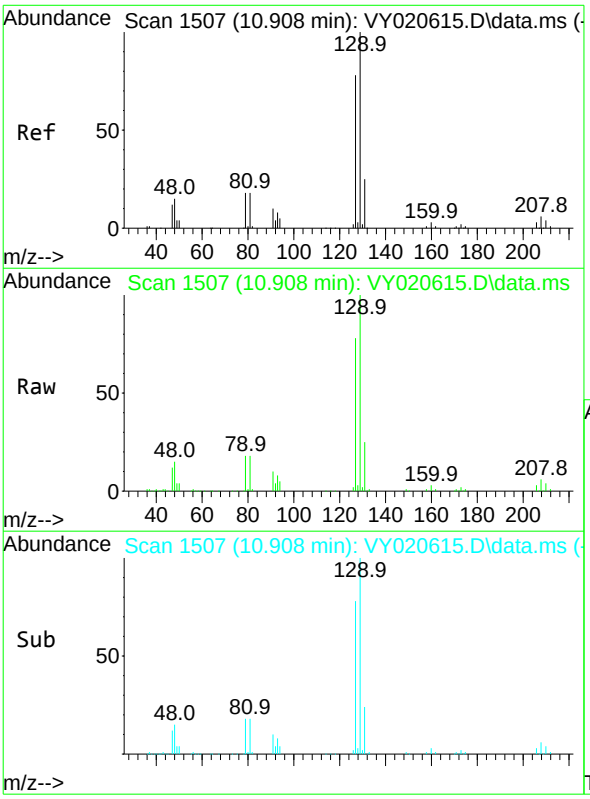
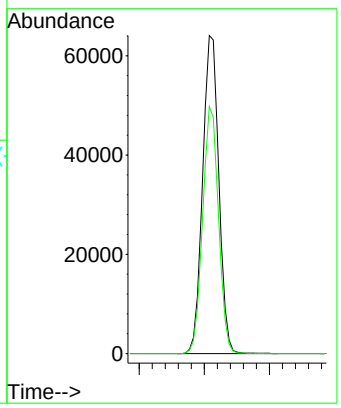
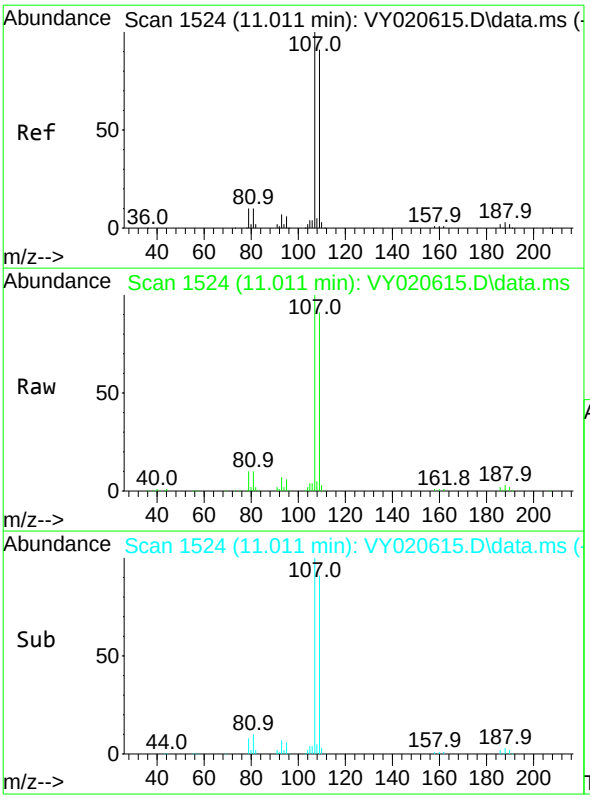


#60
Dibromochloromethane
Concen: 51.085 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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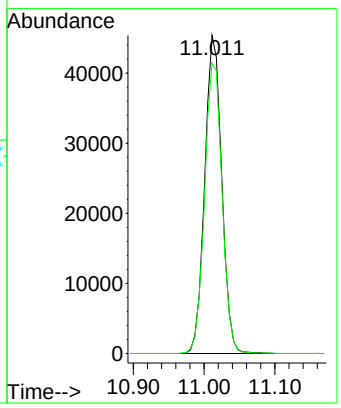
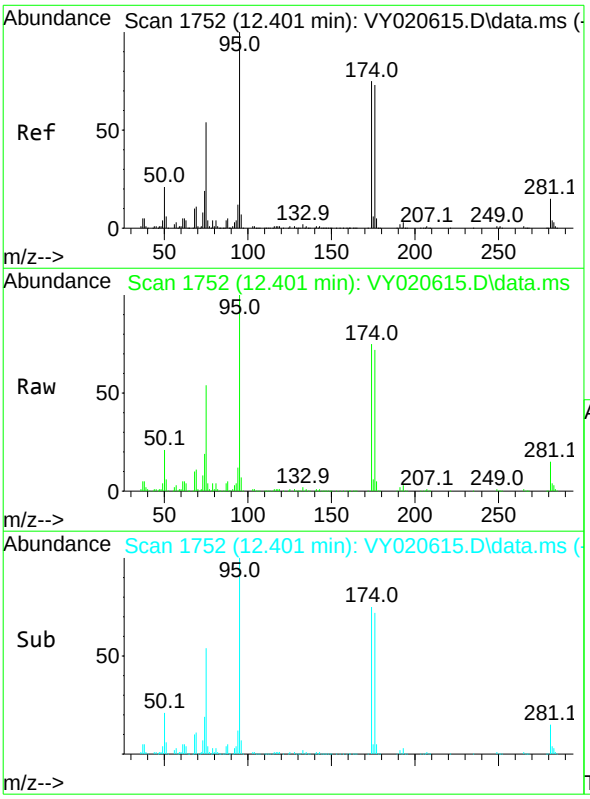
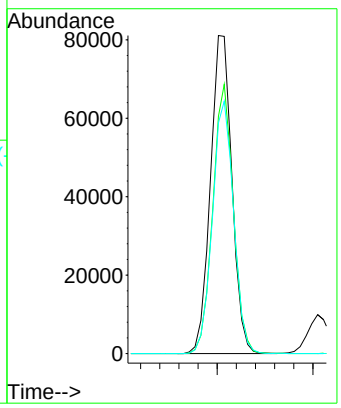


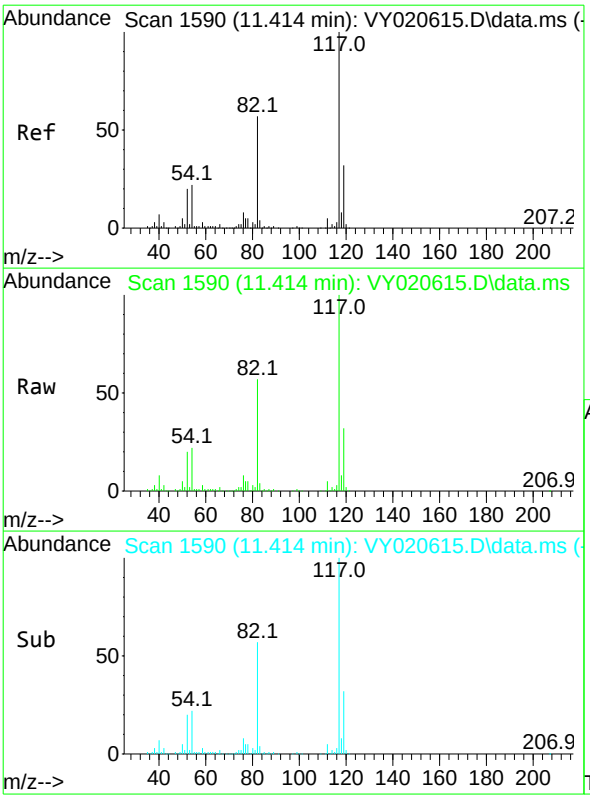


#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

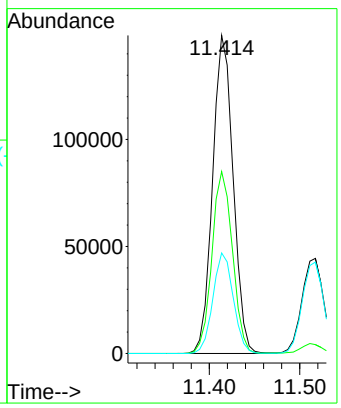




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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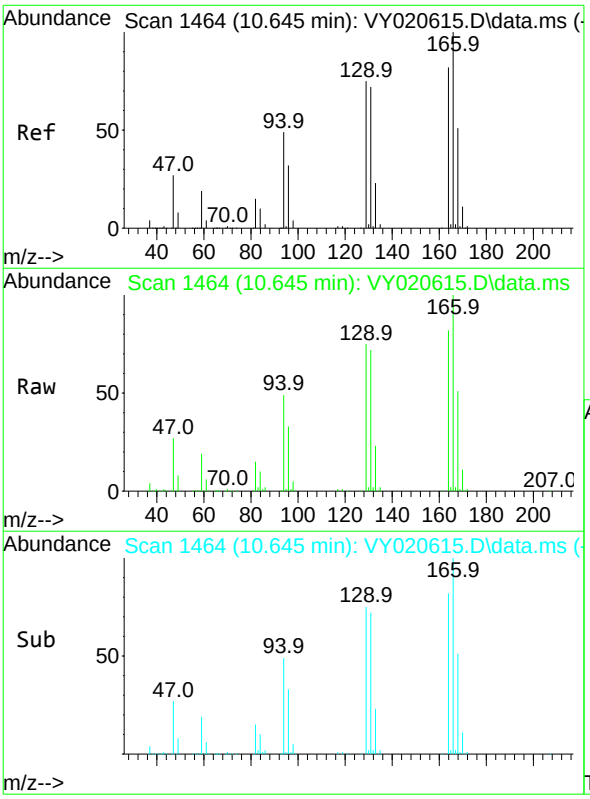
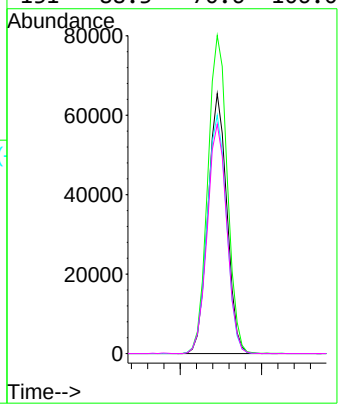
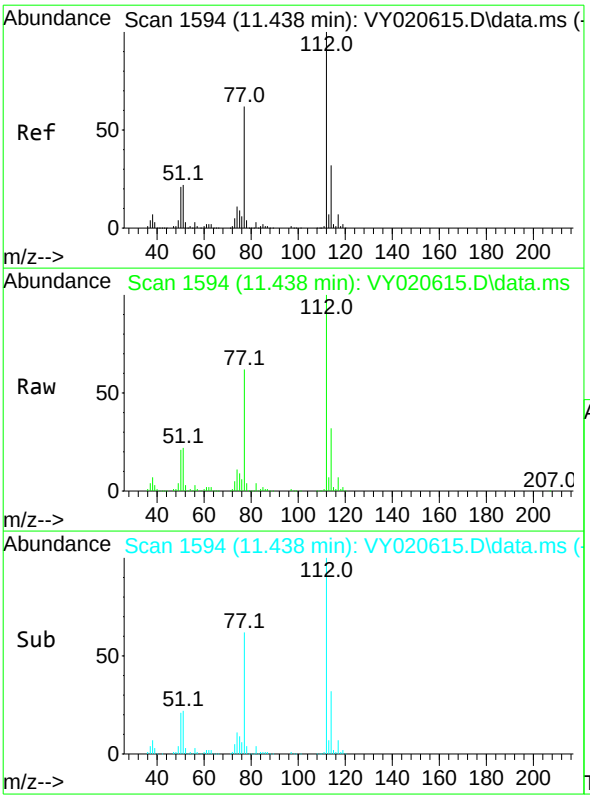


#64
Tetrachloroethene
Concen: 48.065 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

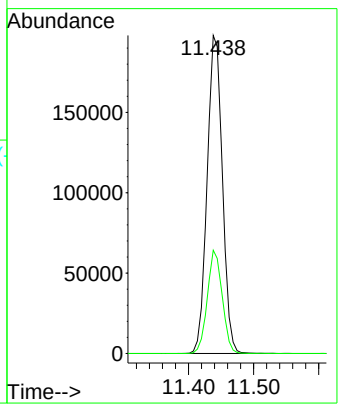




#65
Chlorobenzene
Concen: 49.154 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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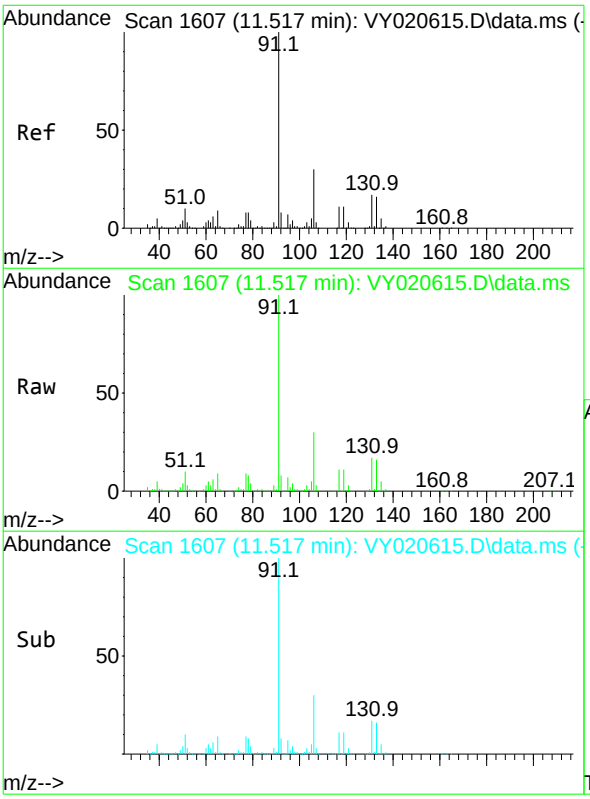
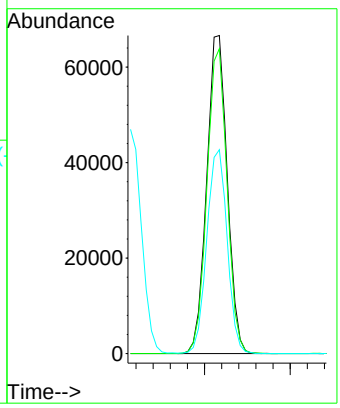
Supervised By :Semsettin Yesilyurt 12/18/2024

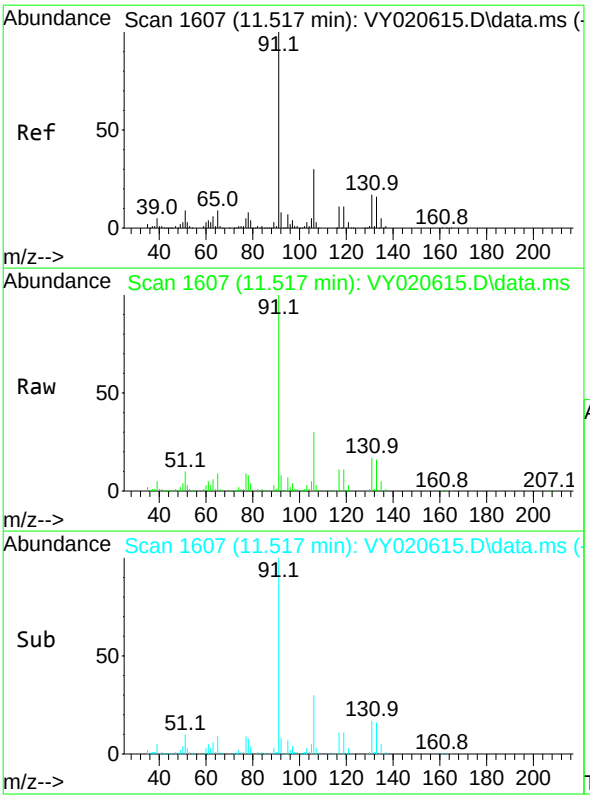


#66
1,1,1,2-Tetrachloroethane
Concen: 49.571 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

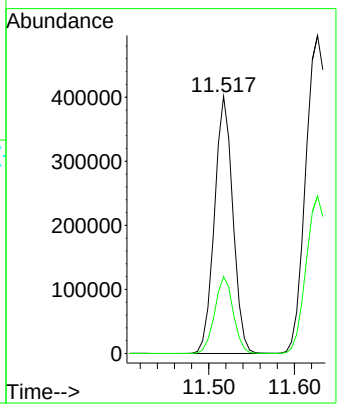




#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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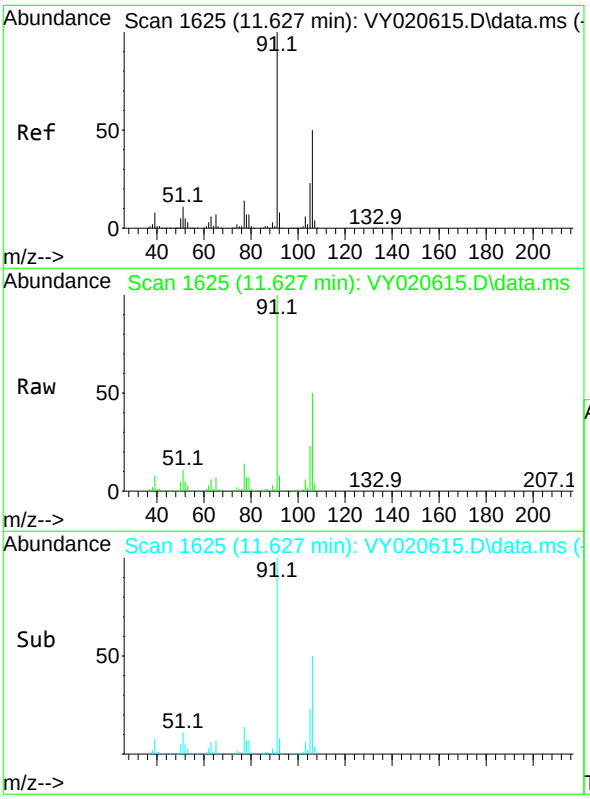
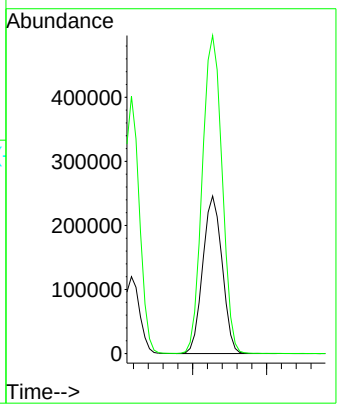
Supervised By :Semsettin Yesilyurt 12/18/2024

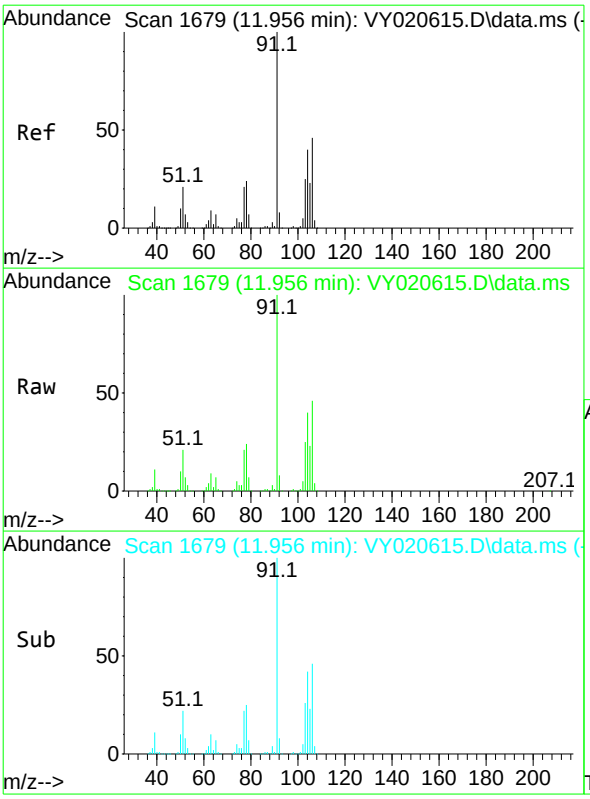


#68
m/p-Xylenes
Concen: 99.408 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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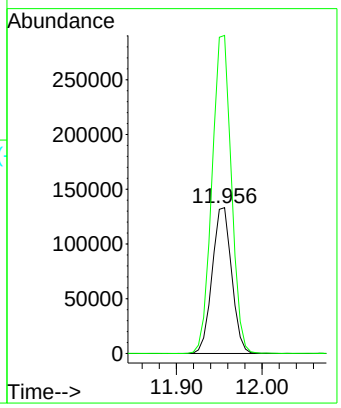
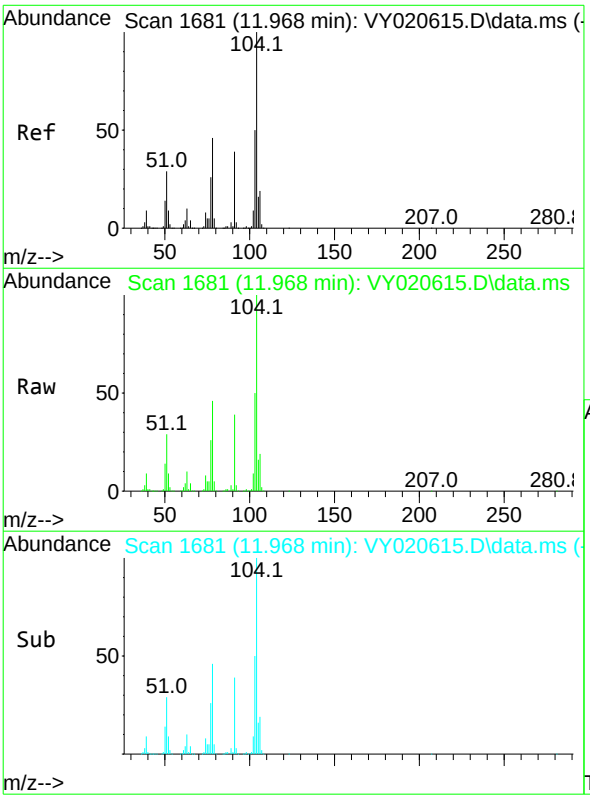
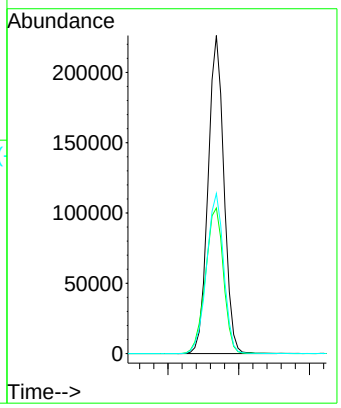


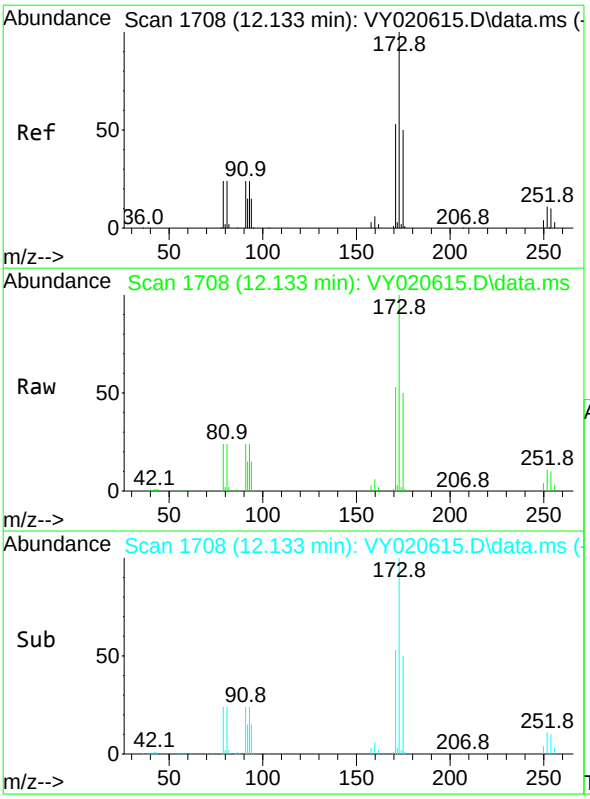


#70
Styrene
Concen: 50.222 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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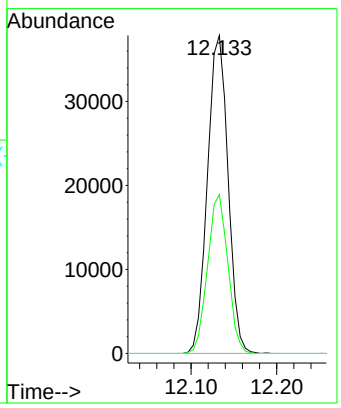
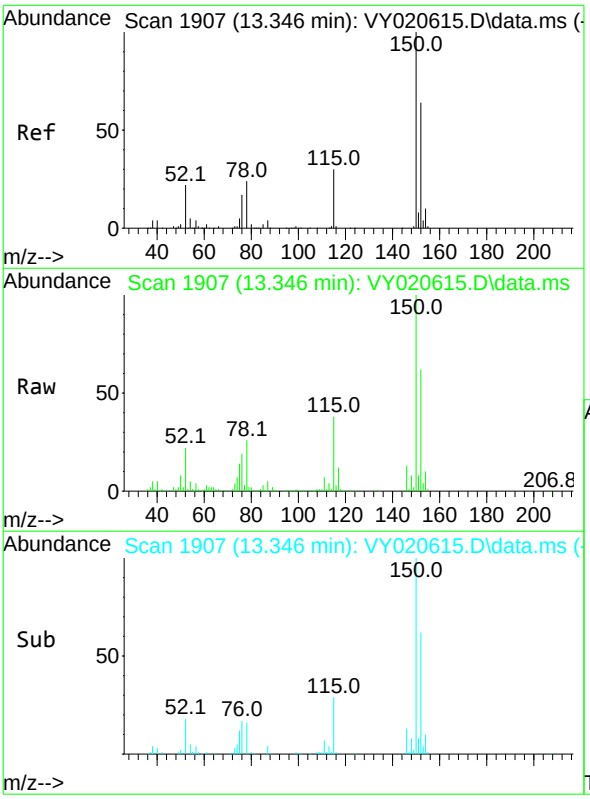
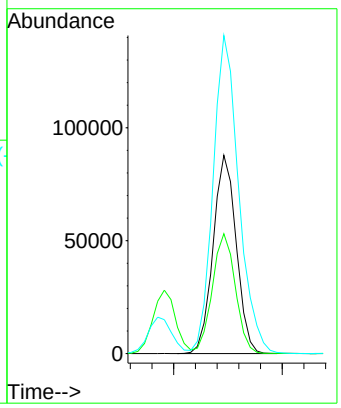


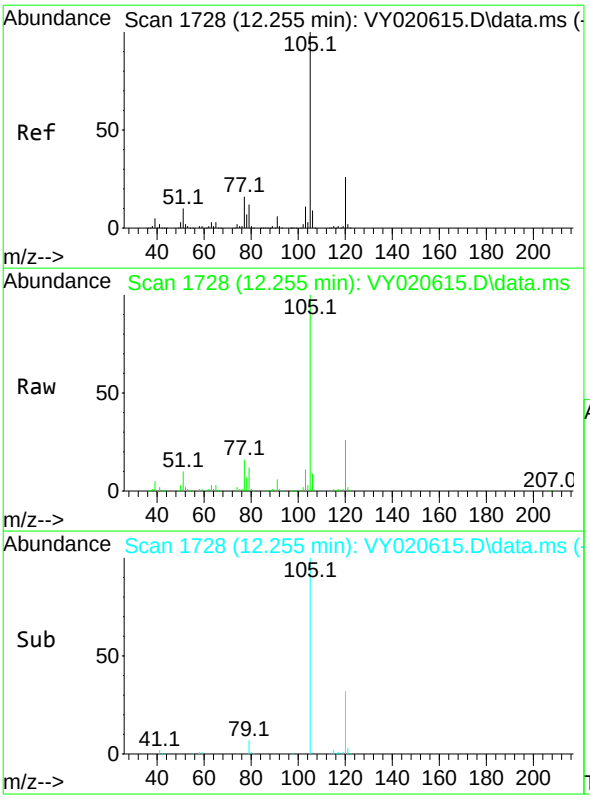


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

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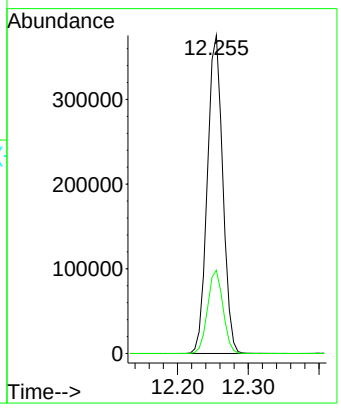
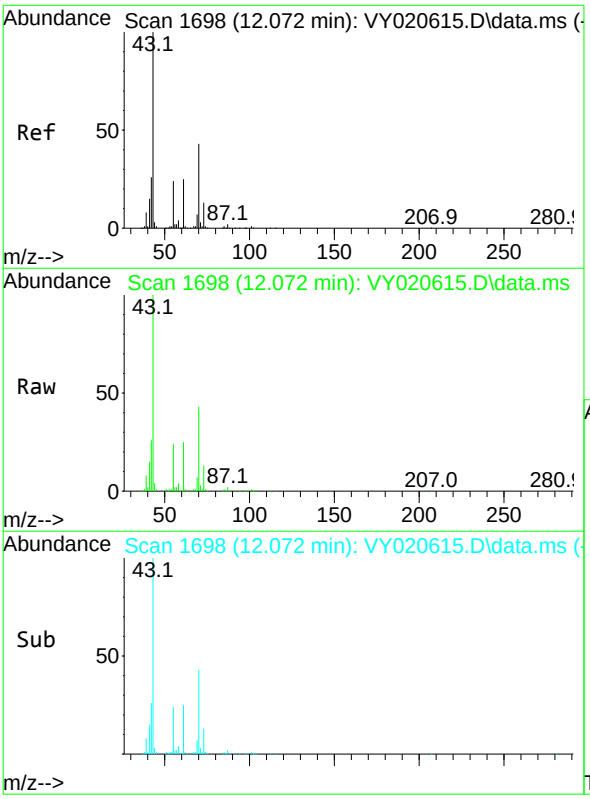
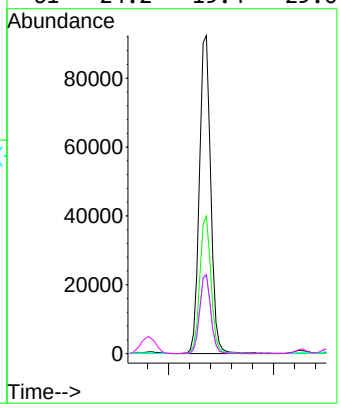


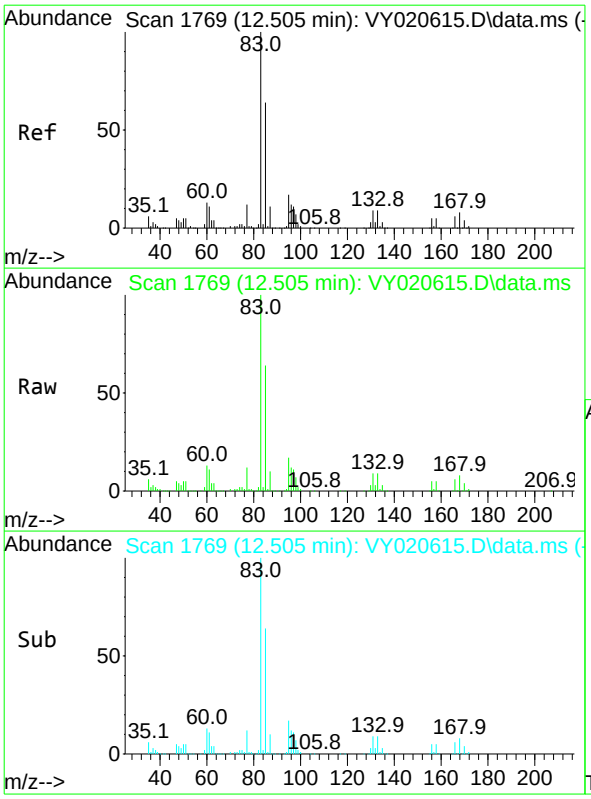


#74
N-amyl acetate
Concen: 52.254 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

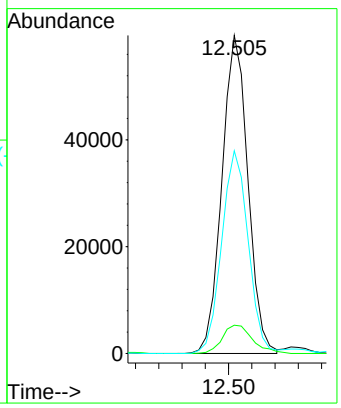




#75
1,1,2,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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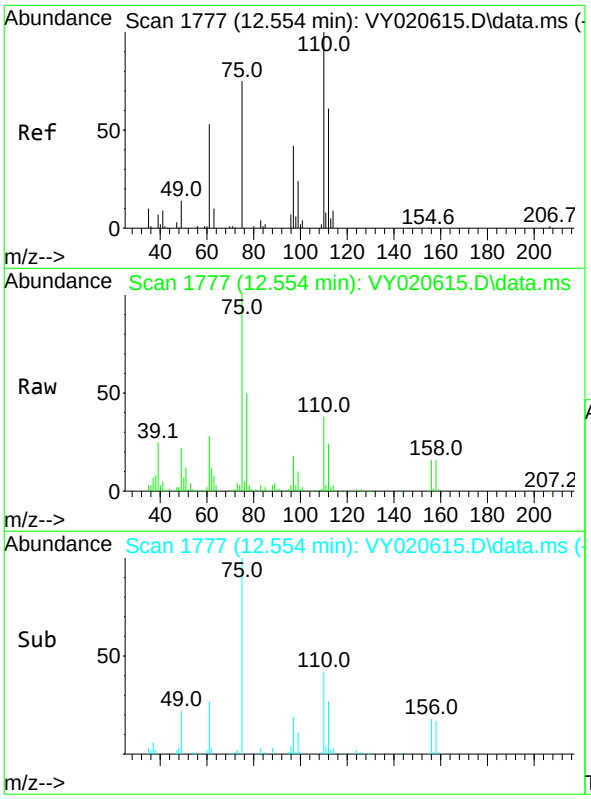
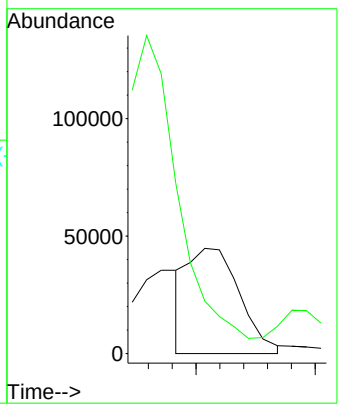
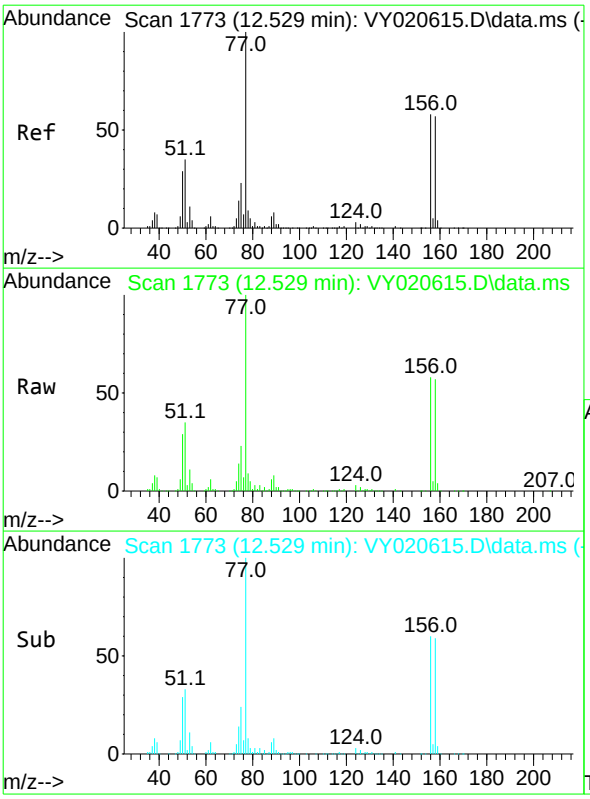


#76
1,2,3-Trichloropropane
Concen: 50.656 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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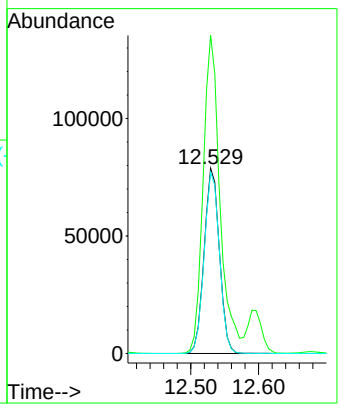
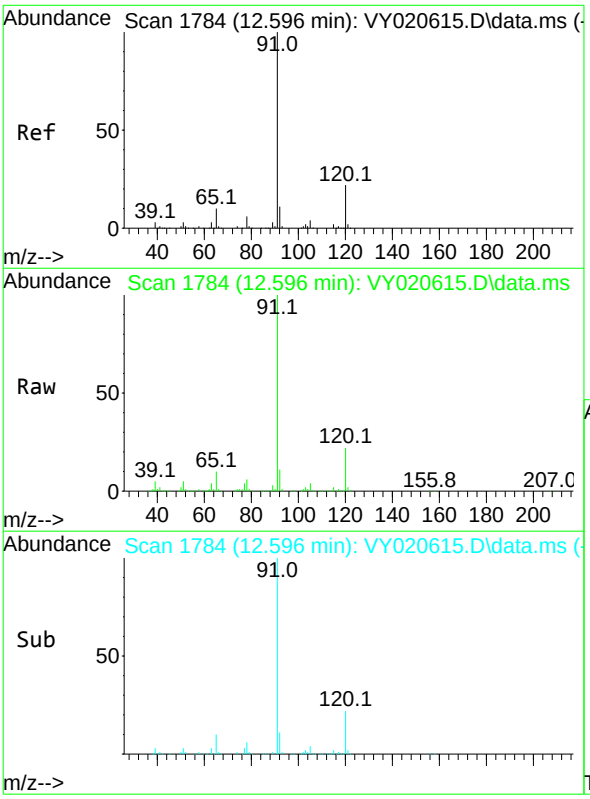
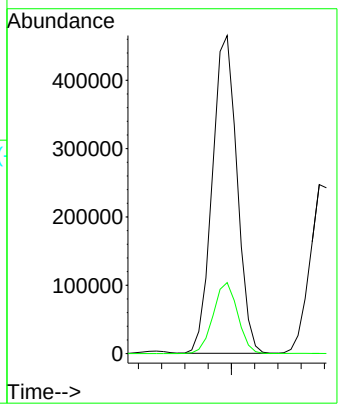


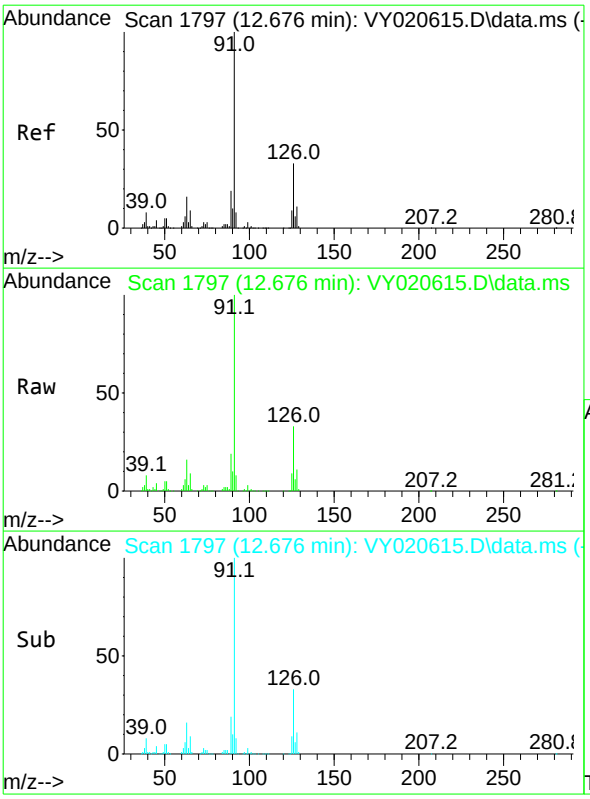


#78
n-propylbenzene
Concen: 50.251 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 687319

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

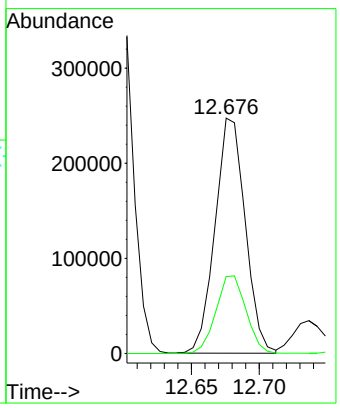




#79
2-Chlorotoluene
Concen: 49.707 ug/l
RT: 12.676 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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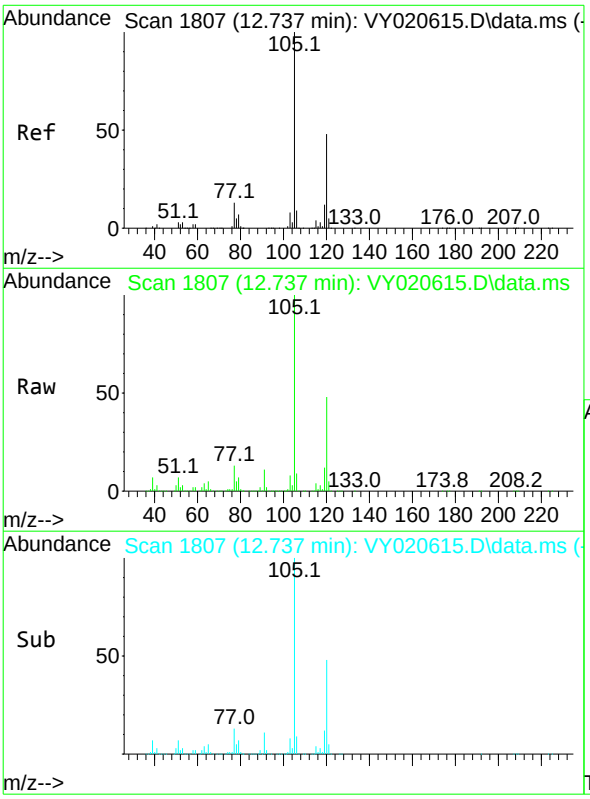
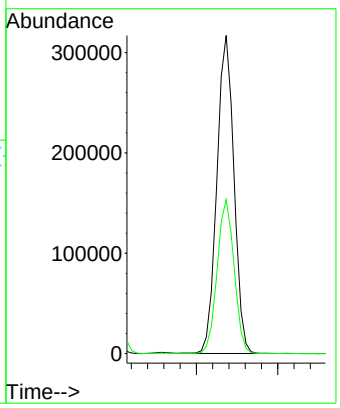
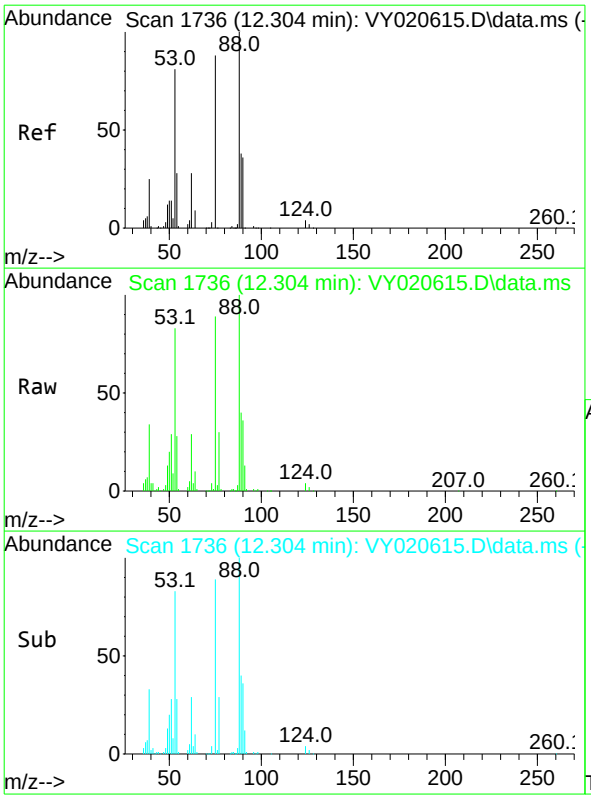


#80
1,3,5-Trimethylbenzene
Concen: 50.279 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 463155

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7

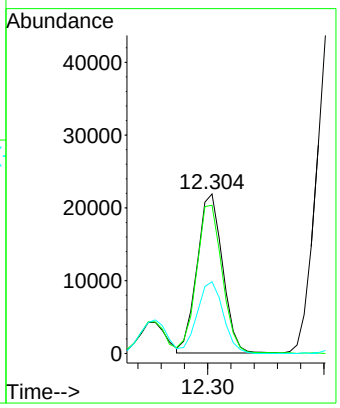




#81
trans-1,4-Dichloro-2-butene
Concen: 51.816 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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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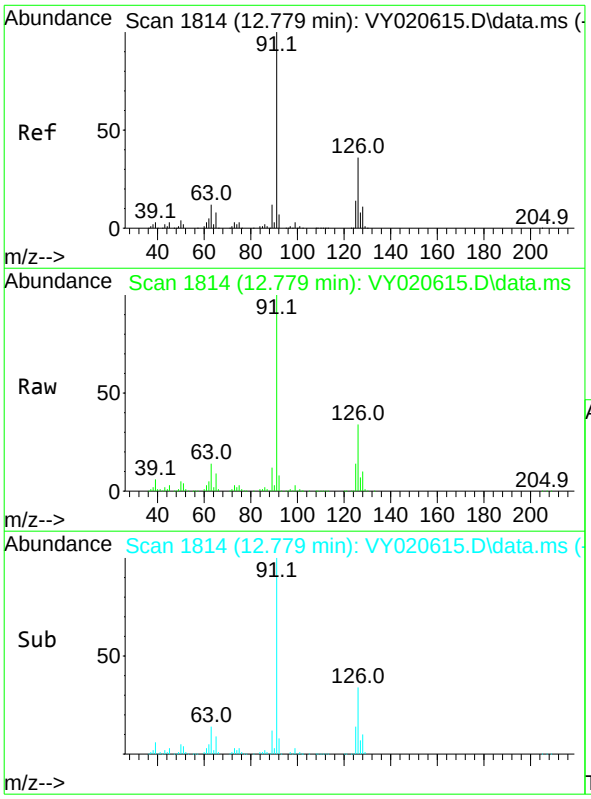
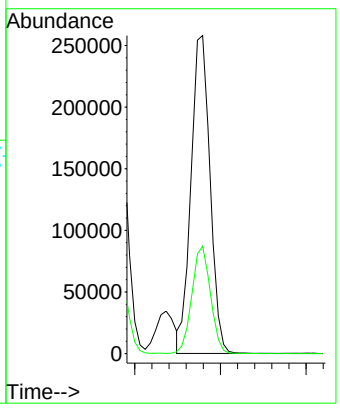
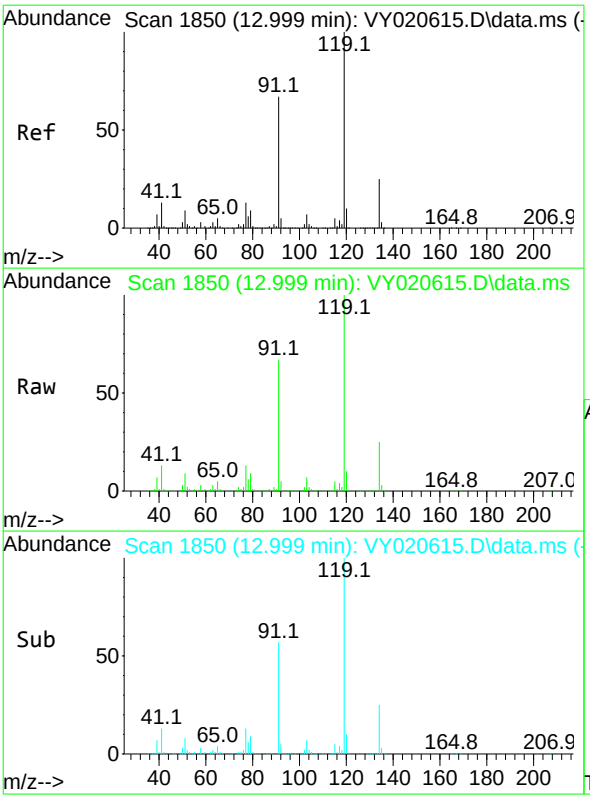


#82
4-Chlorotoluene
Concen: 49.848 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 397958

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

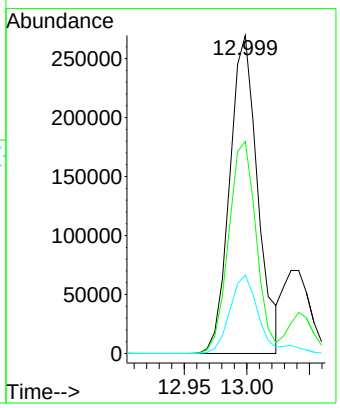




#83
tert-Butylbenzene
Concen: 50.127 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:119 Resp: 418182

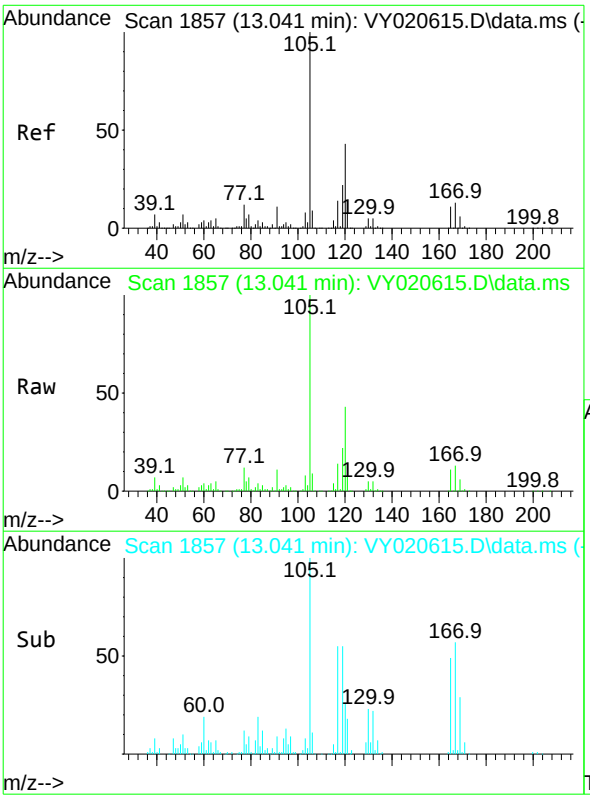
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

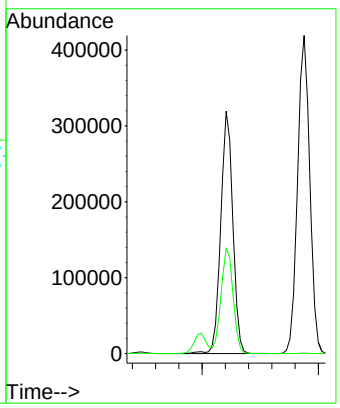
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

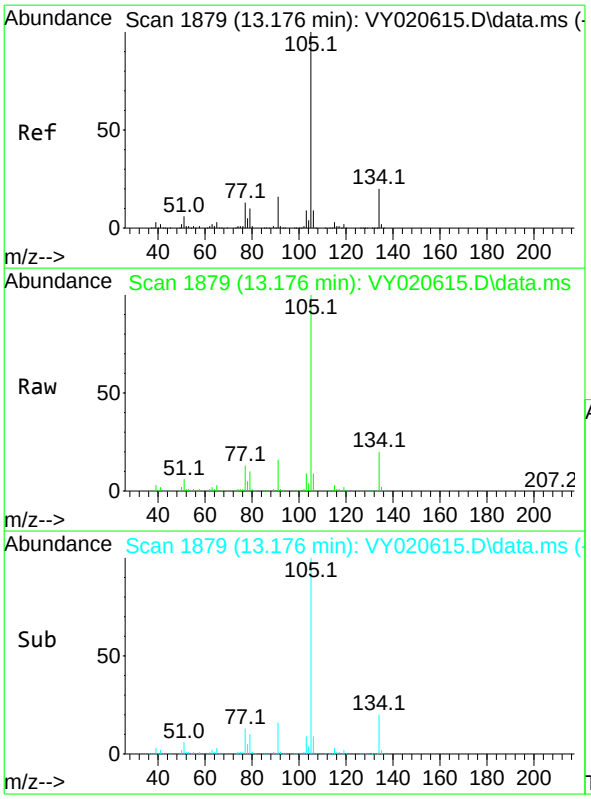


#84
1,2,4-Trimethylbenzene
Concen: 50.907 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 459974

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4

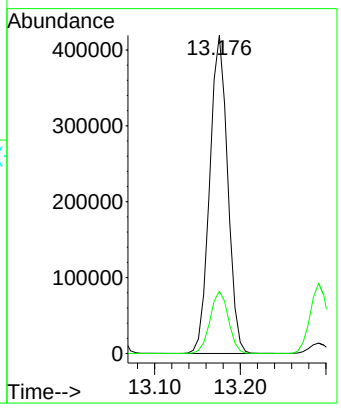




#85
sec-Butylbenzene
Concen: 50.301 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 610142

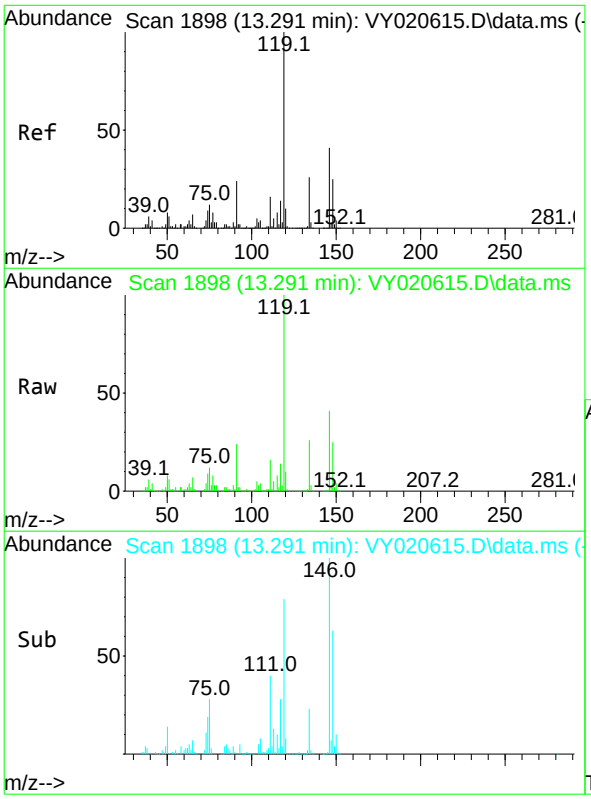
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

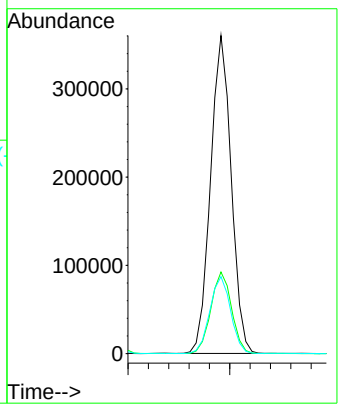
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

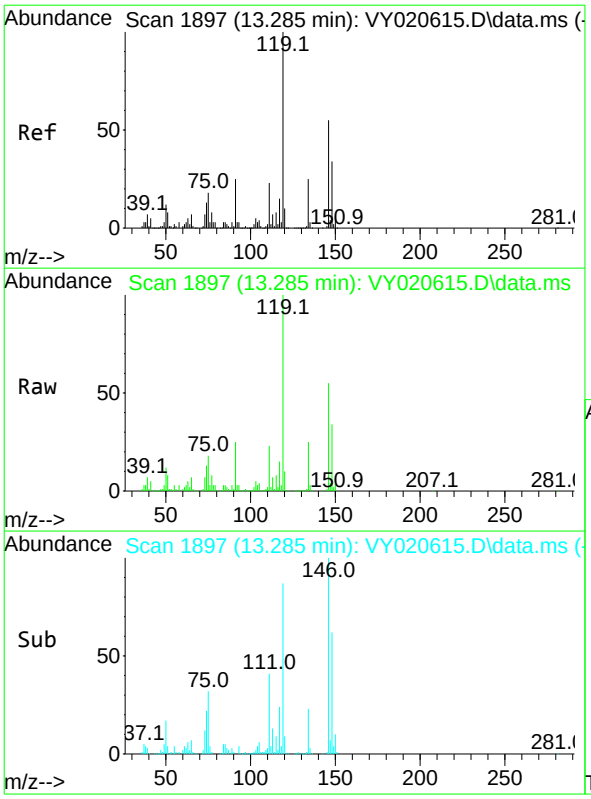


#86
p-Isopropyltoluene
Concen: 50.941 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

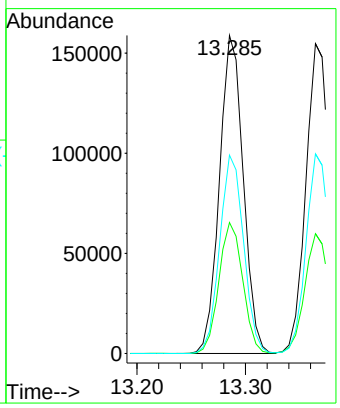




#87
1,3-Dichlorobenzene
Concen: 49.677 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 242502

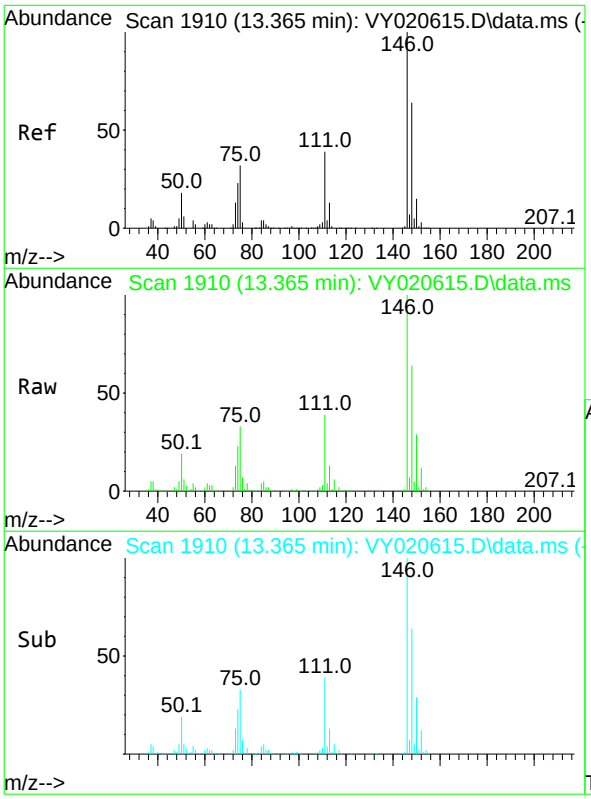
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	62.7	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

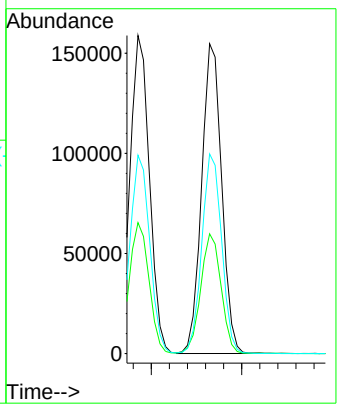
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

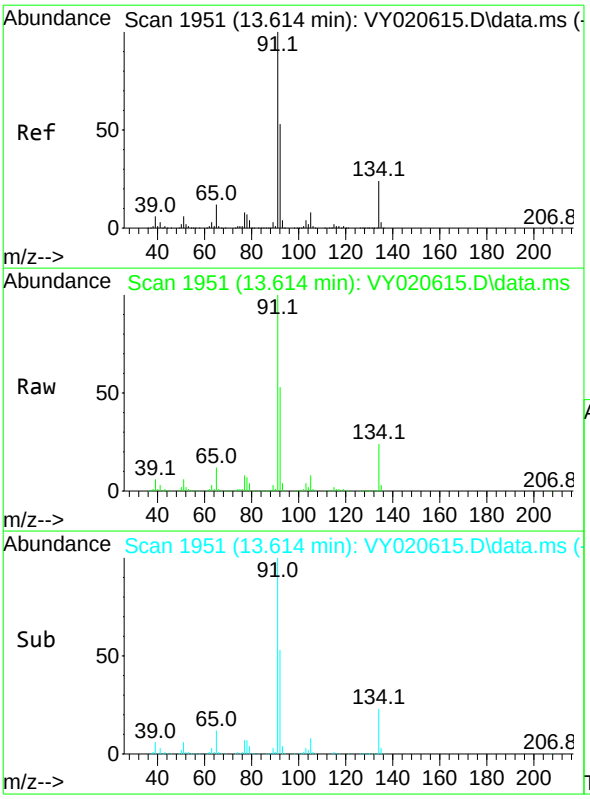


#88
1,4-Dichlorobenzene
Concen: 49.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

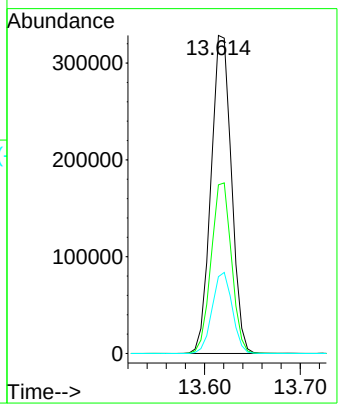




#89
n-Butylbenzene
Concen: 51.461 ug/l
RT: 13.614 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 487742

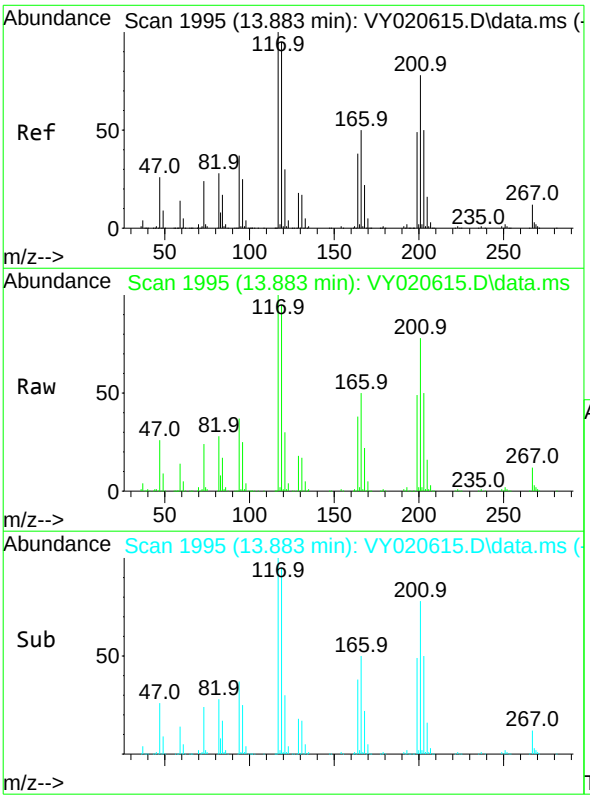
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	25.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

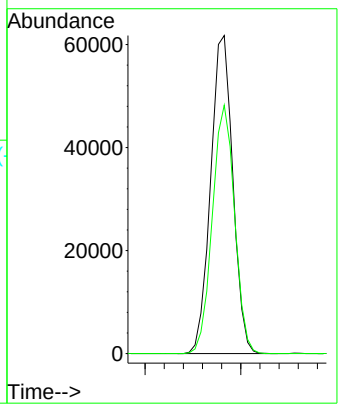
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

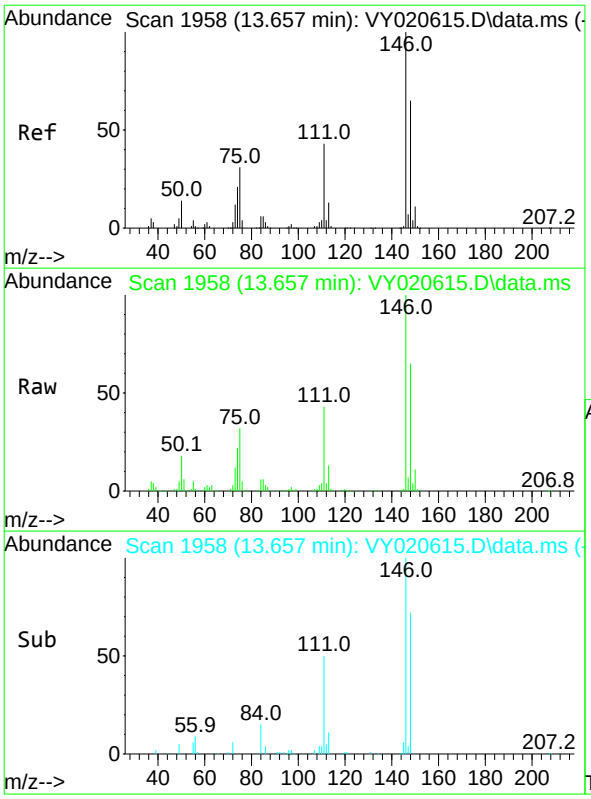


#90
Hexachloroethane
Concen: 50.134 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 99360

Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3

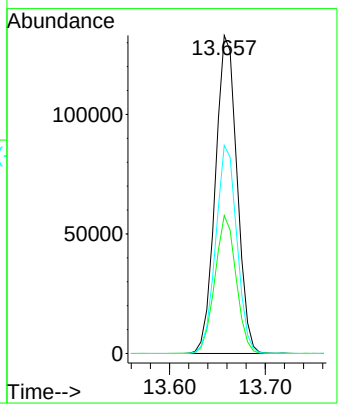




#91
1,2-Dichlorobenzene
Concen: 49.409 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 208977

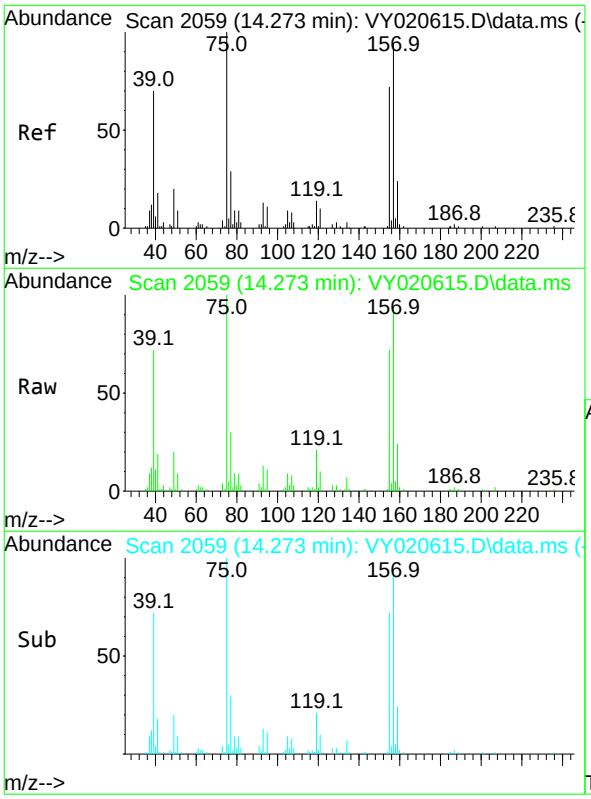
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

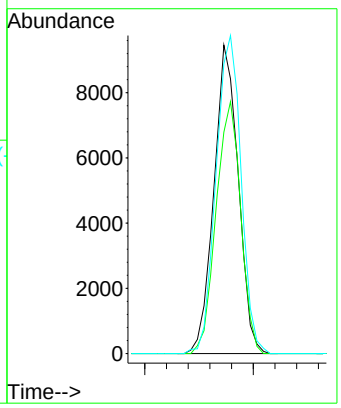
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

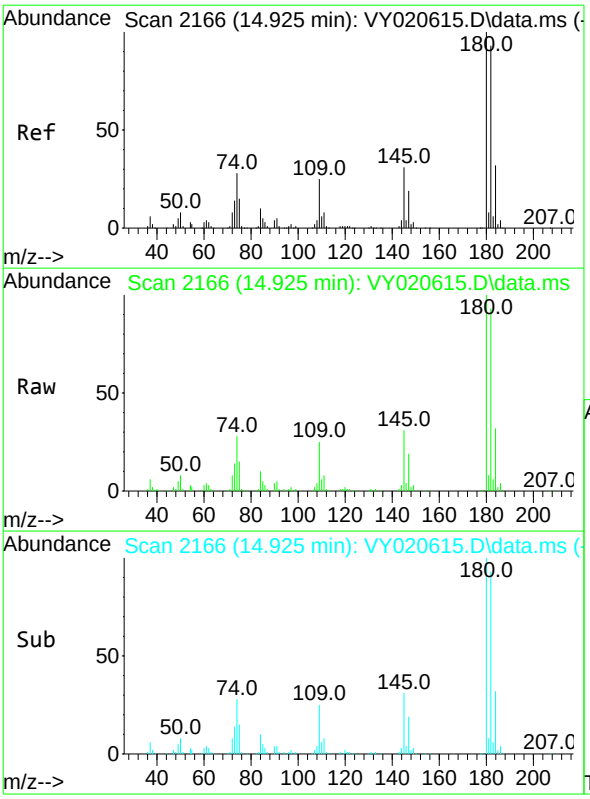


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

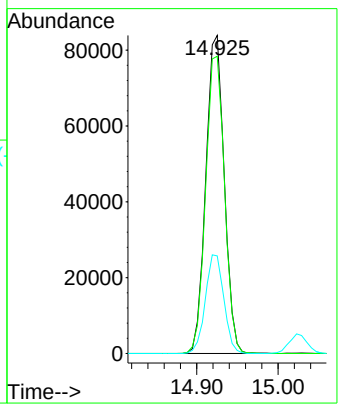
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

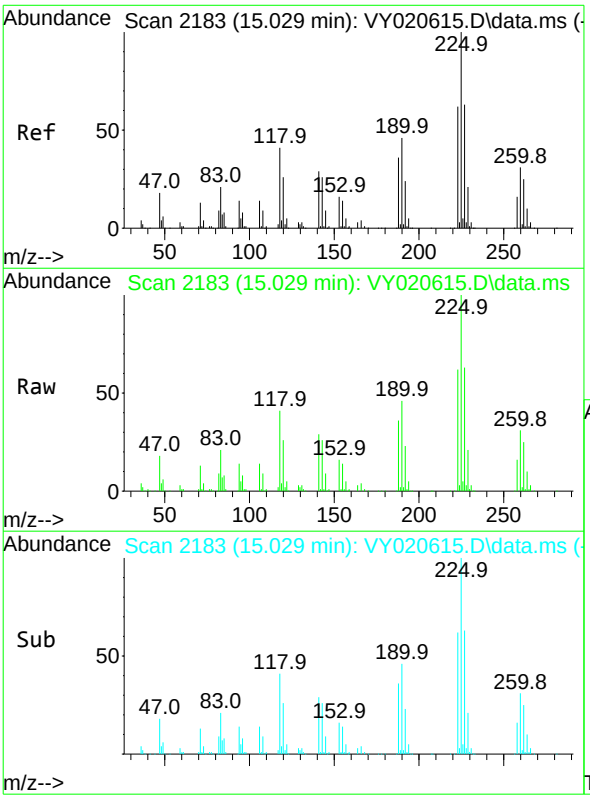
Tgt Ion:180 Resp: 131852

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

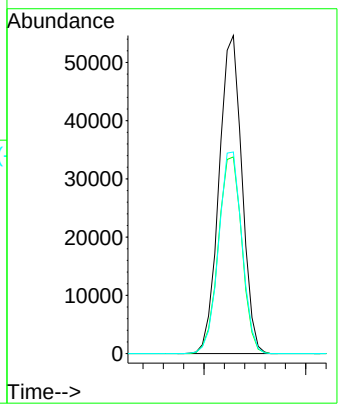


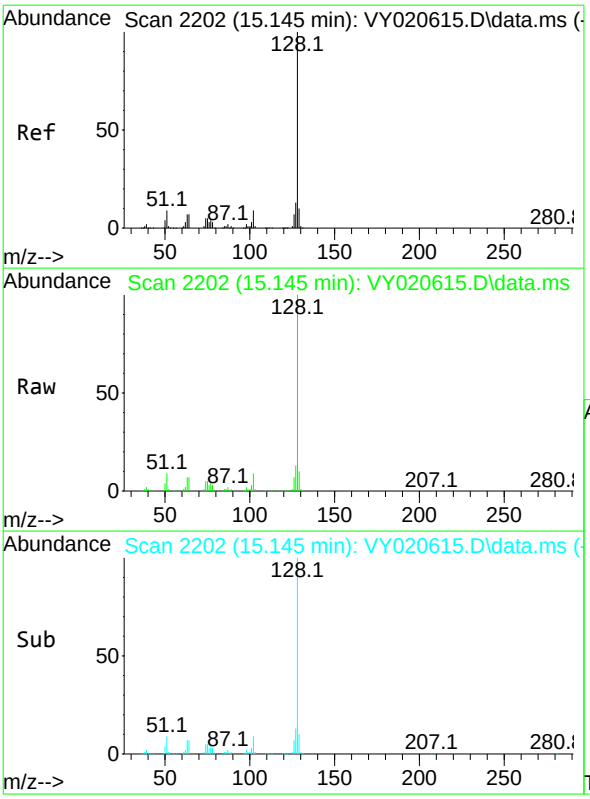


#94
Hexachlorobutadiene
Concen: 51.117 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

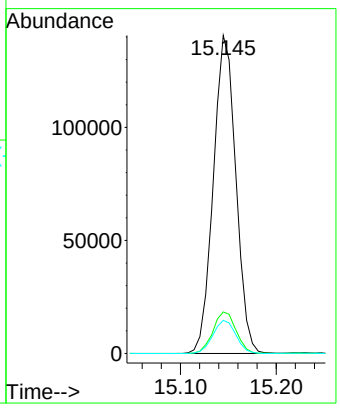




#95
Naphthalene
Concen: 52.434 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:128 Resp: 229979

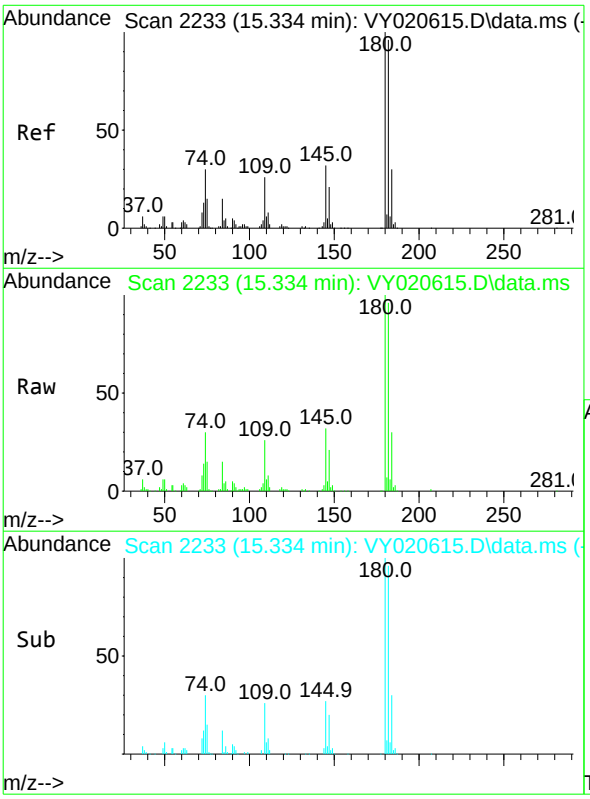
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

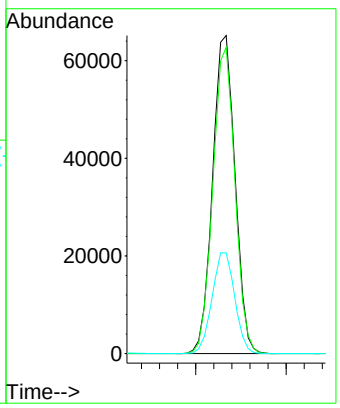
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#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

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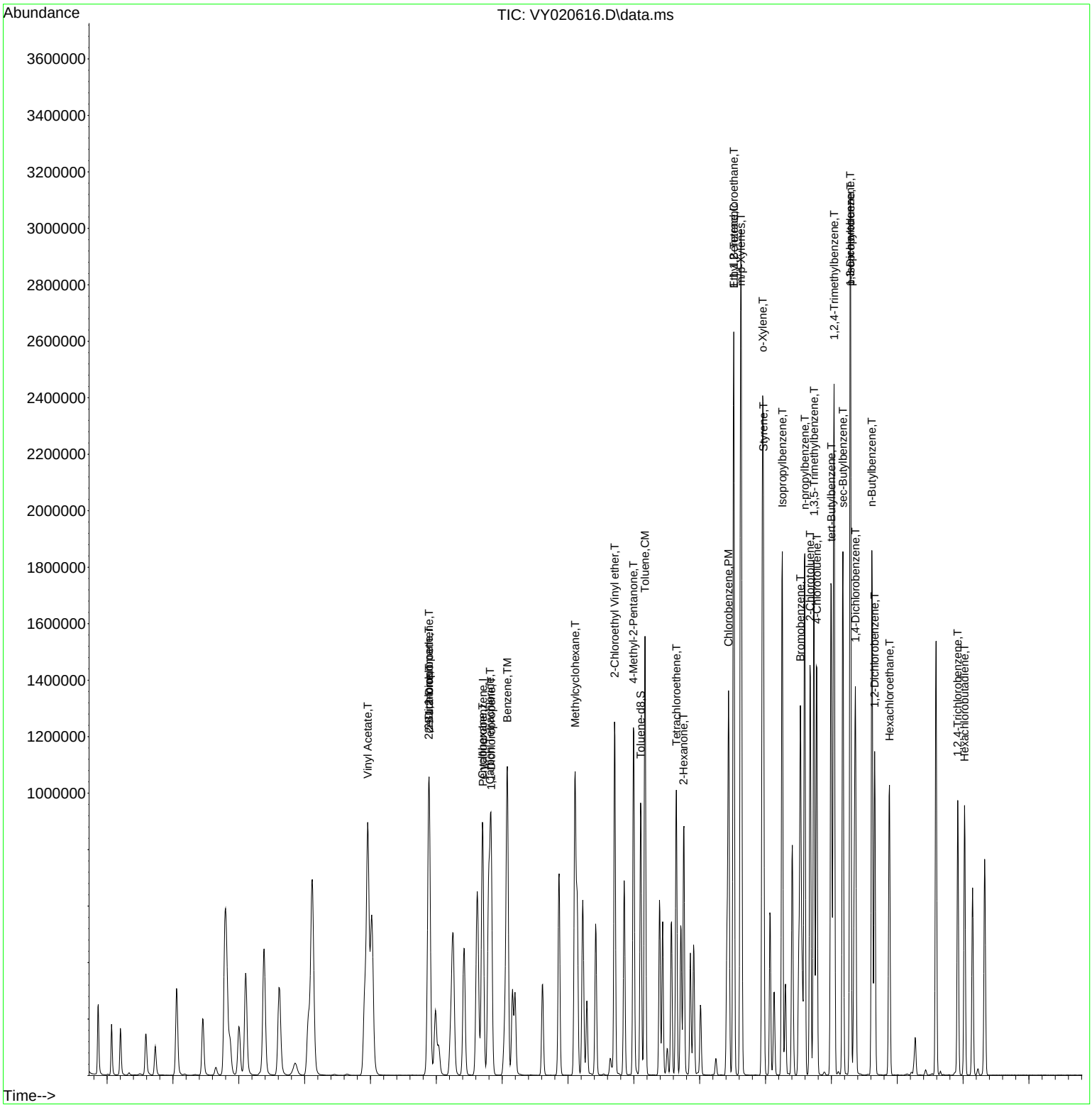
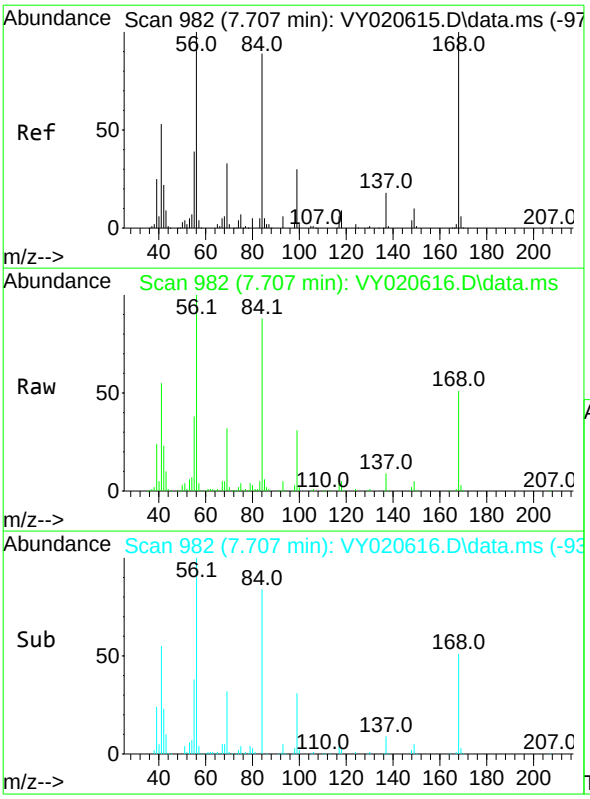
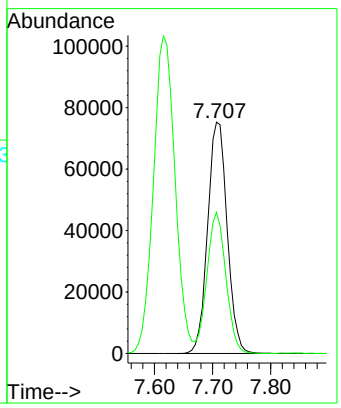




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:168 Resp: 175469

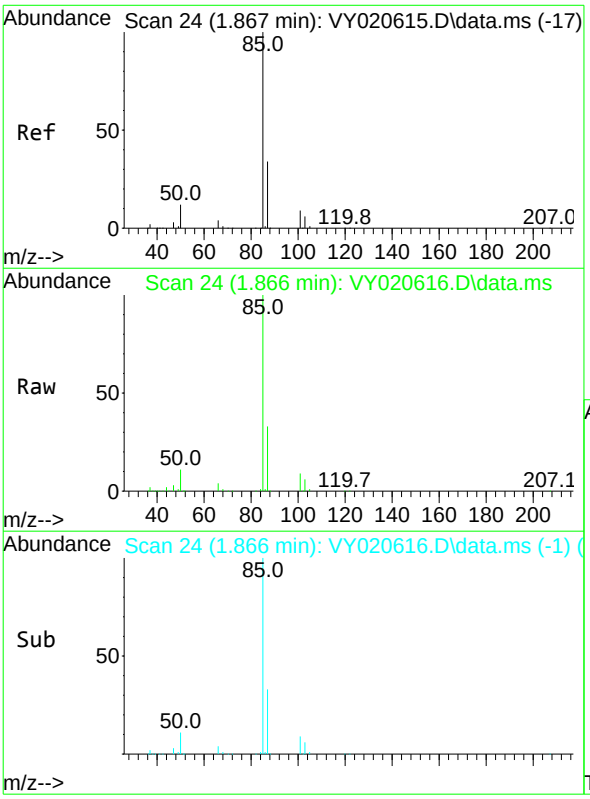
Ion	Ratio	Lower	Upper
168	100		
99	61.0	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

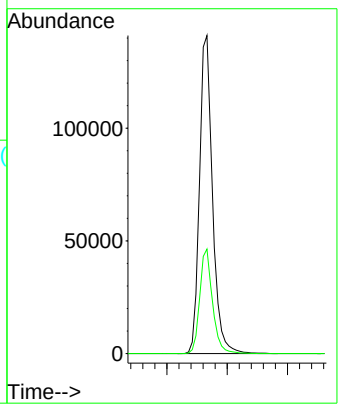
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

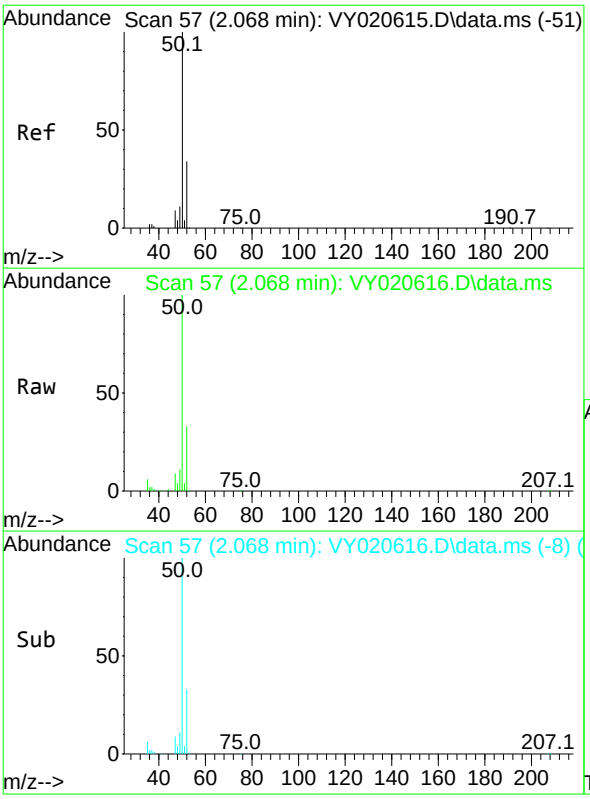


#2
Dichlorodifluoromethane
Concen: 96.249 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 85 Resp: 210949

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.8	50.3

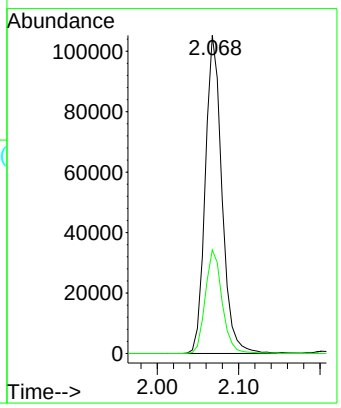




#3
Chloromethane
Concen: 92.044 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 50 Resp: 149471

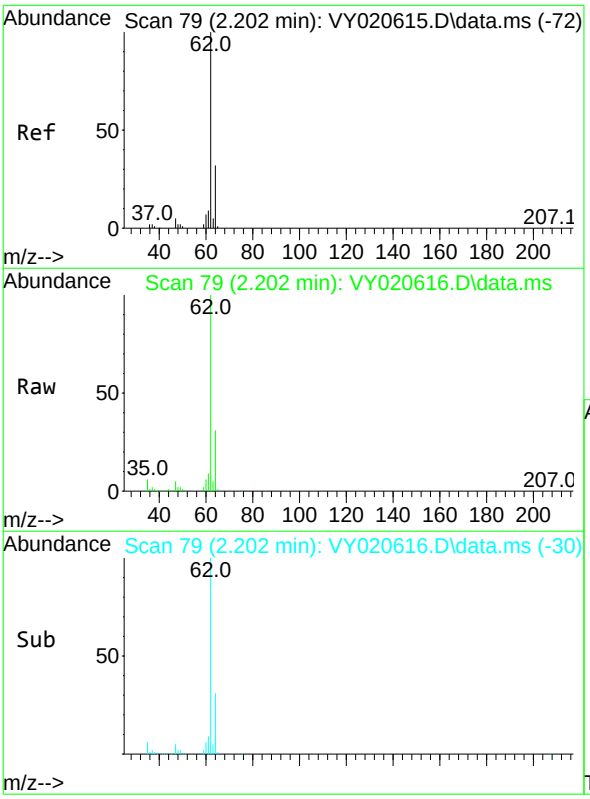
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

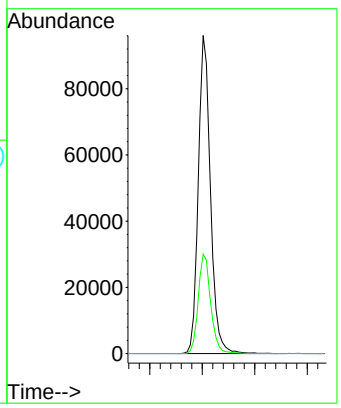
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

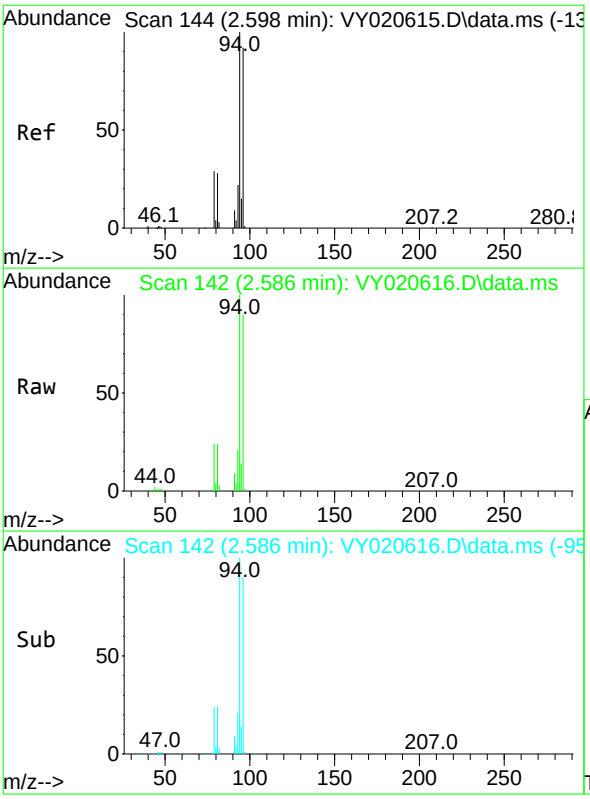


#4
Vinyl Chloride
Concen: 102.062 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 154262

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9

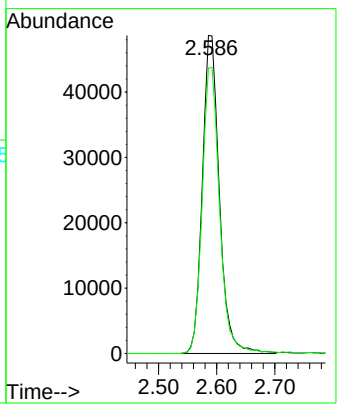




#5
Bromomethane
Concen: 101.715 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 94 Resp: 98824

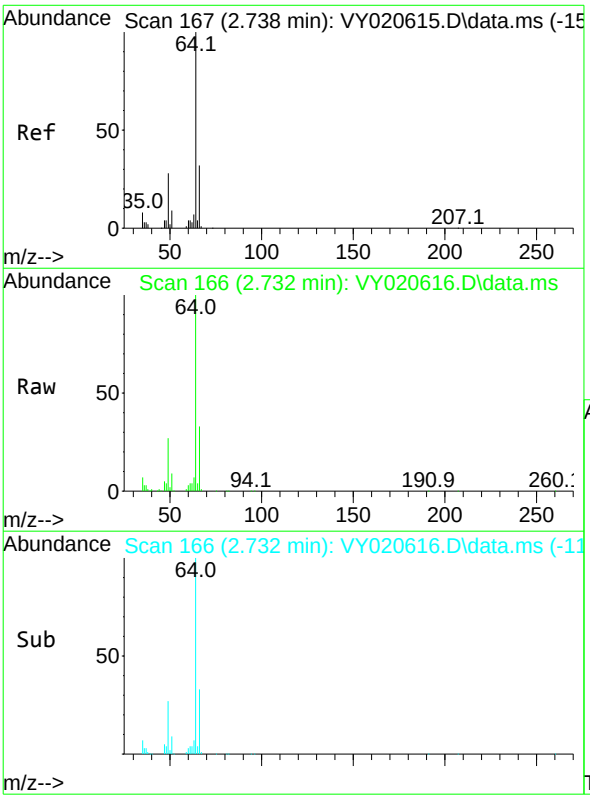
Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

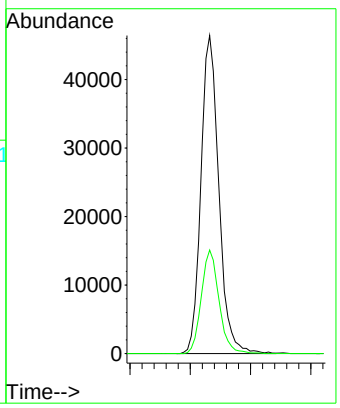
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

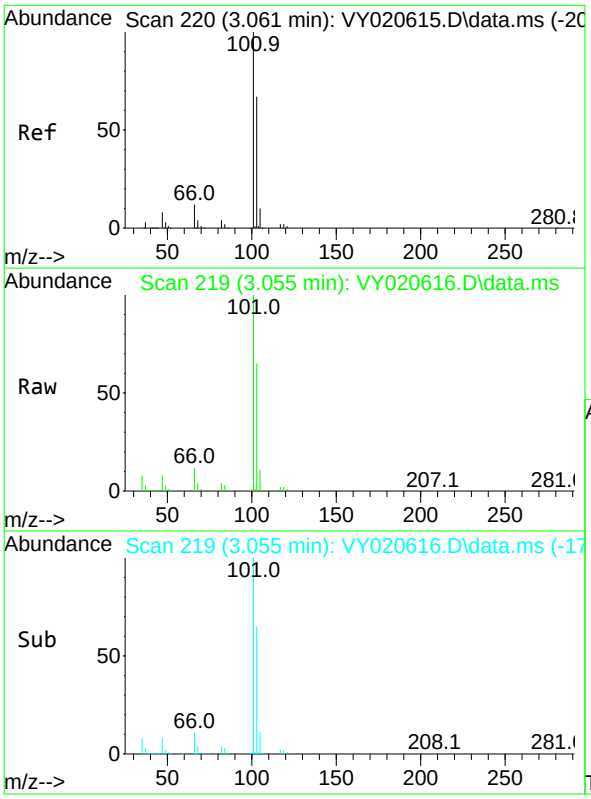


#6
Chloroethane
Concen: 102.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 64 Resp: 95621

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.8	38.6

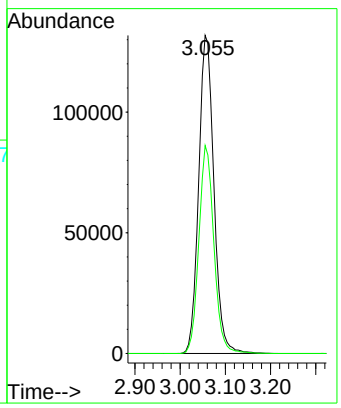




#7
Trichlorofluoromethane
Concen: 97.464 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:101 Resp: 308242

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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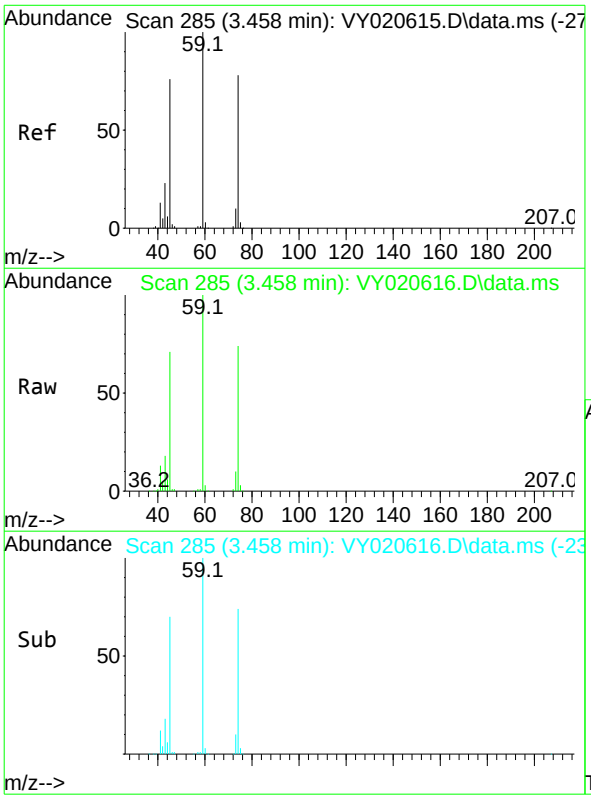
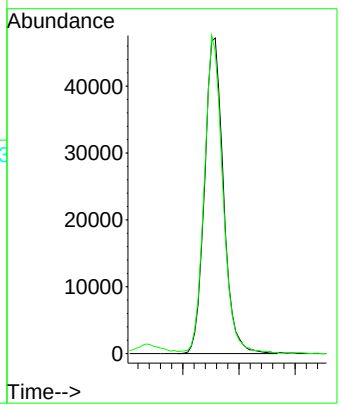
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

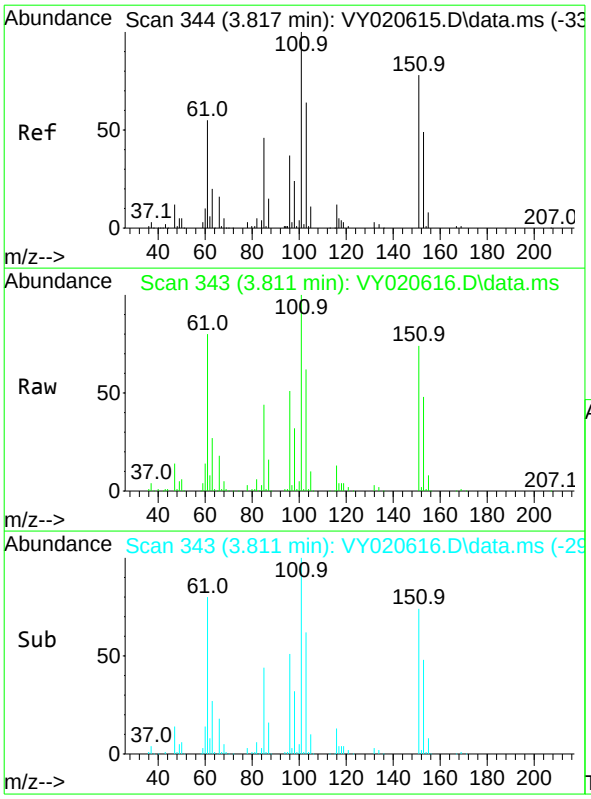


#8
Diethyl Ether
Concen: 99.599 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

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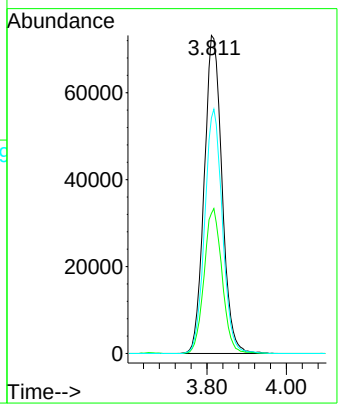
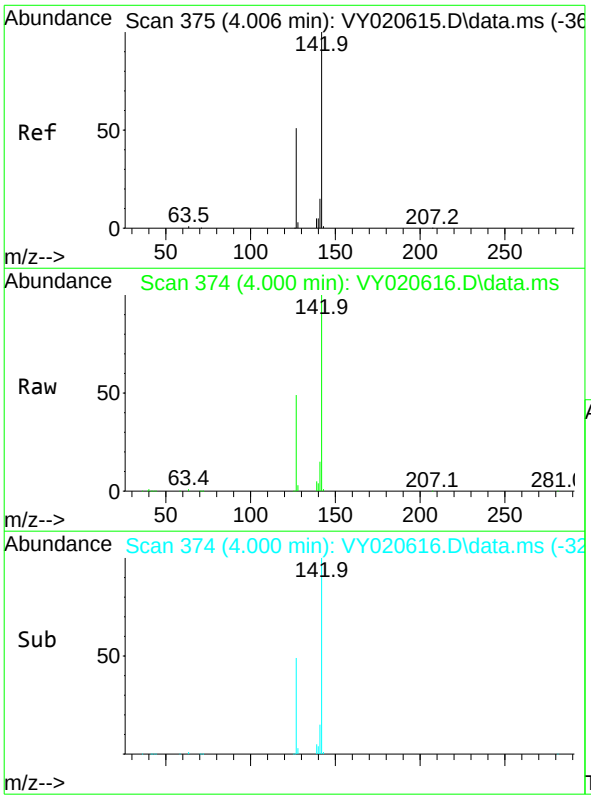
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

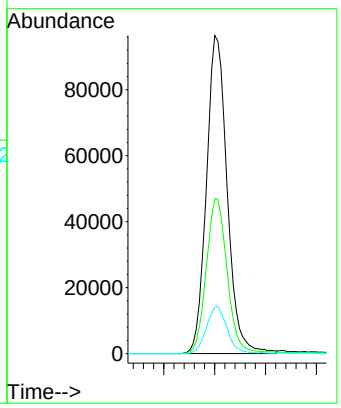


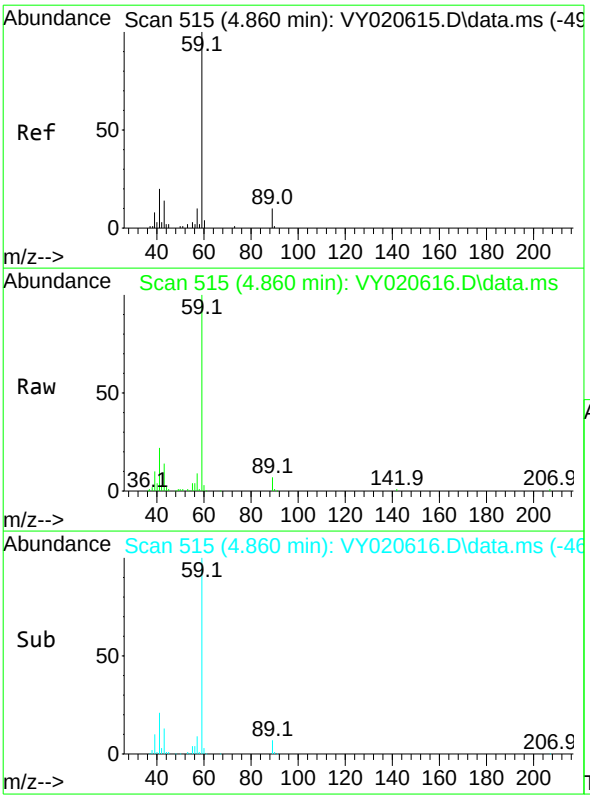


#10
Methyl Iodide
Concen: 108.168 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

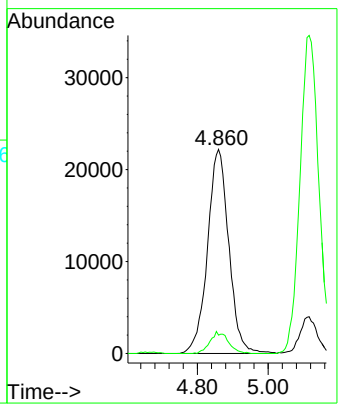




#11
Tert butyl alcohol
Concen: 533.746 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 59 Resp: 92710

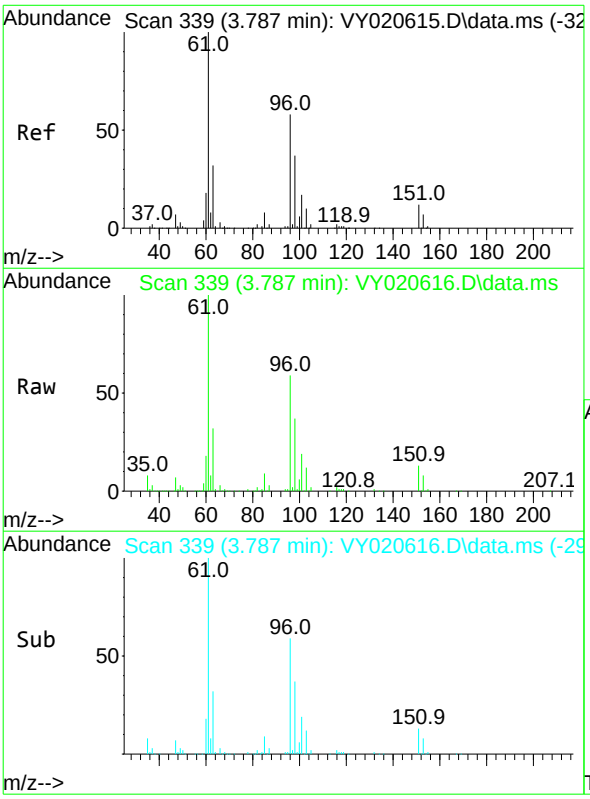
Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

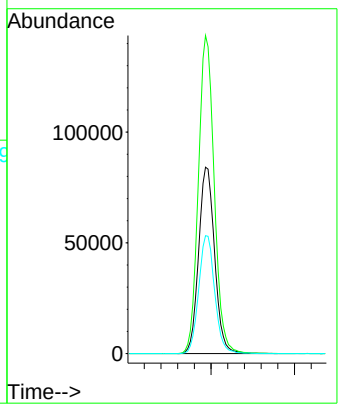
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

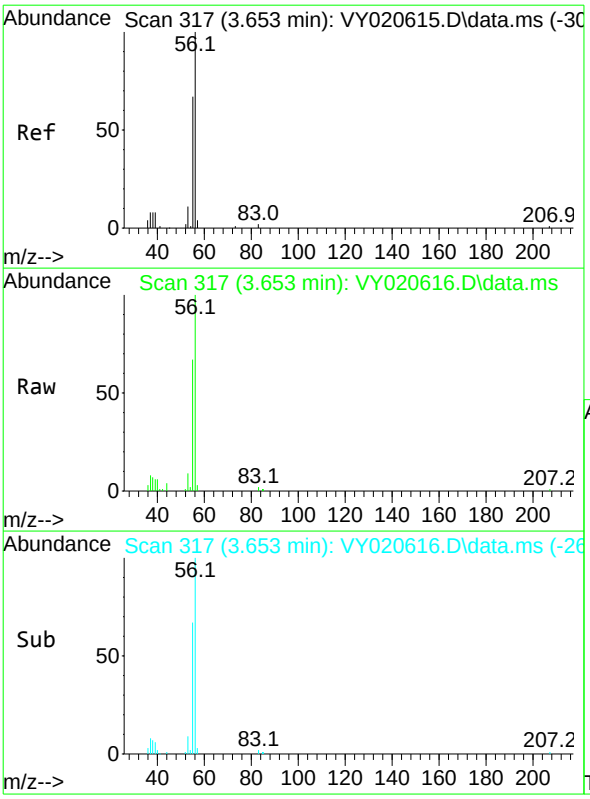


#12
1,1-Dichloroethene
Concen: 101.847 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

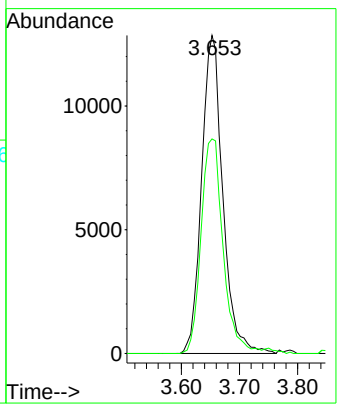




#13
Acrolein
Concen: 357.929 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 56 Resp: 32525

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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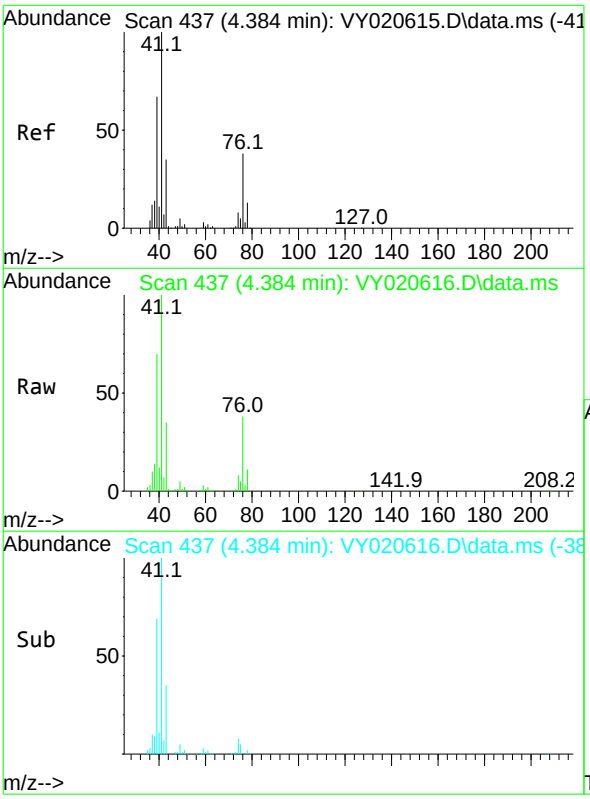
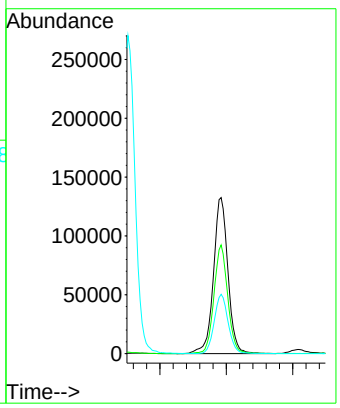
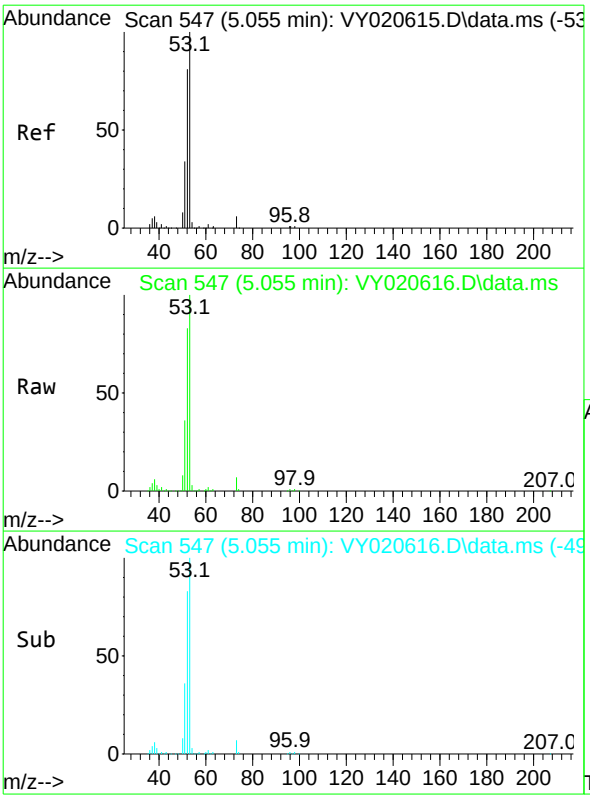


#14
Allyl chloride
Concen: 104.161 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

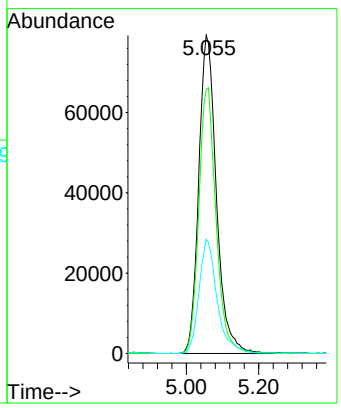




#15
Acrylonitrile
Concen: 506.539 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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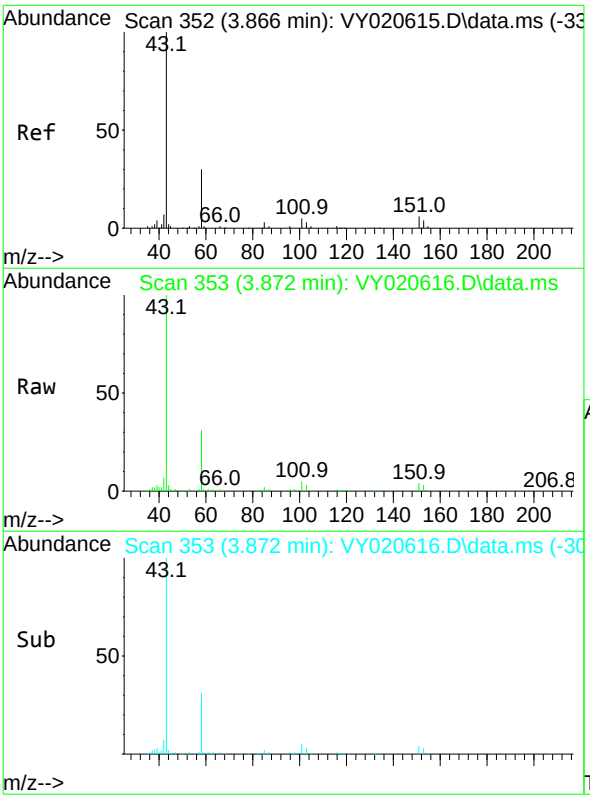
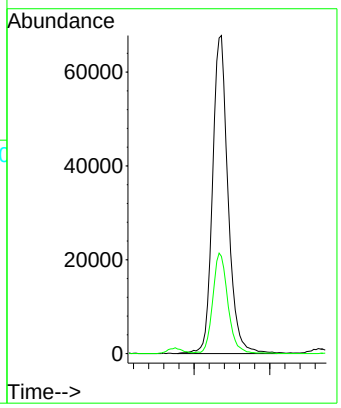
Supervised By :Semsettin Yesilyurt 12/18/2024

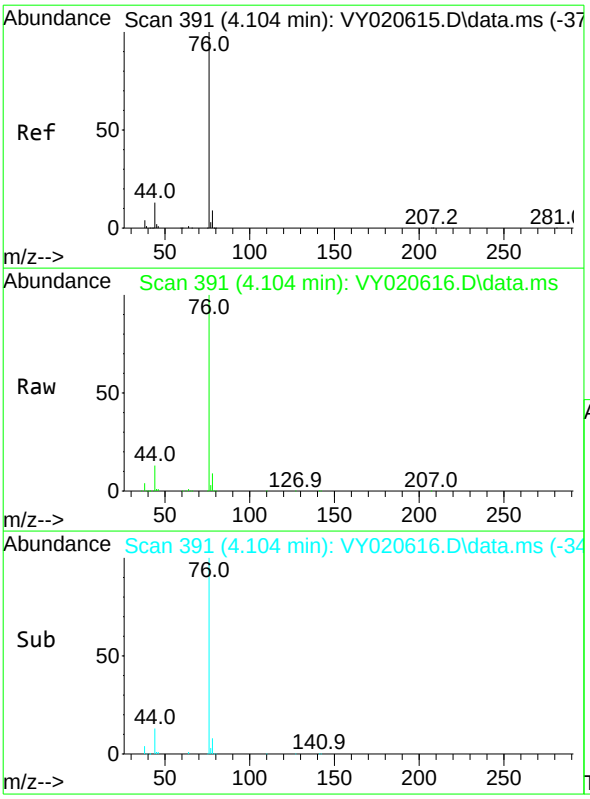


#16
Acetone
Concen: 512.024 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 192907

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6

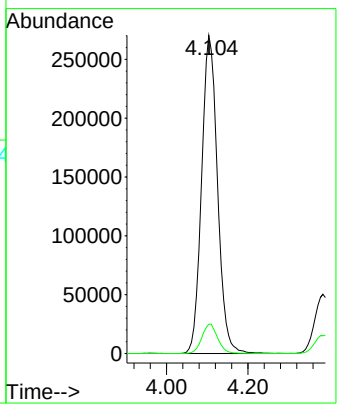




#17
Carbon Disulfide
Concen: 102.553 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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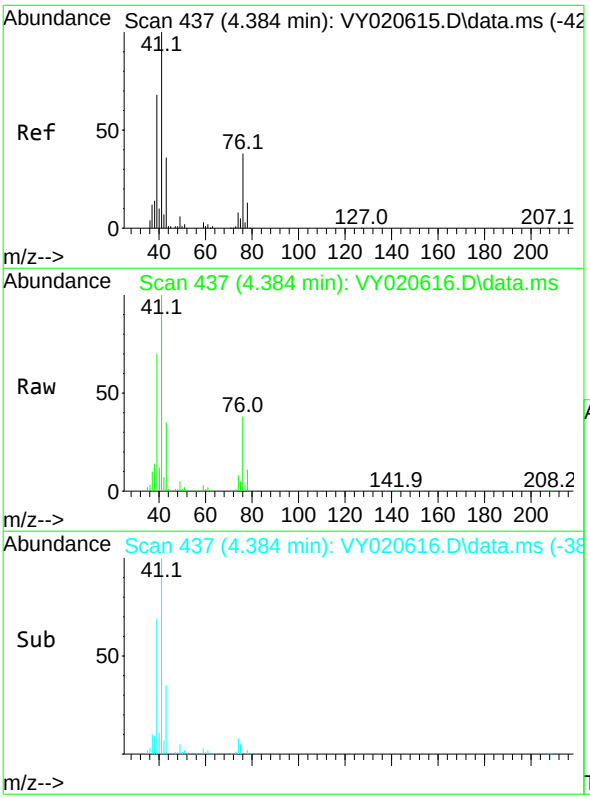
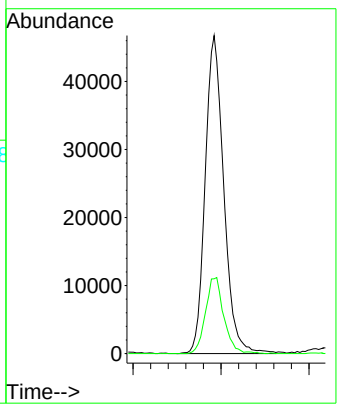
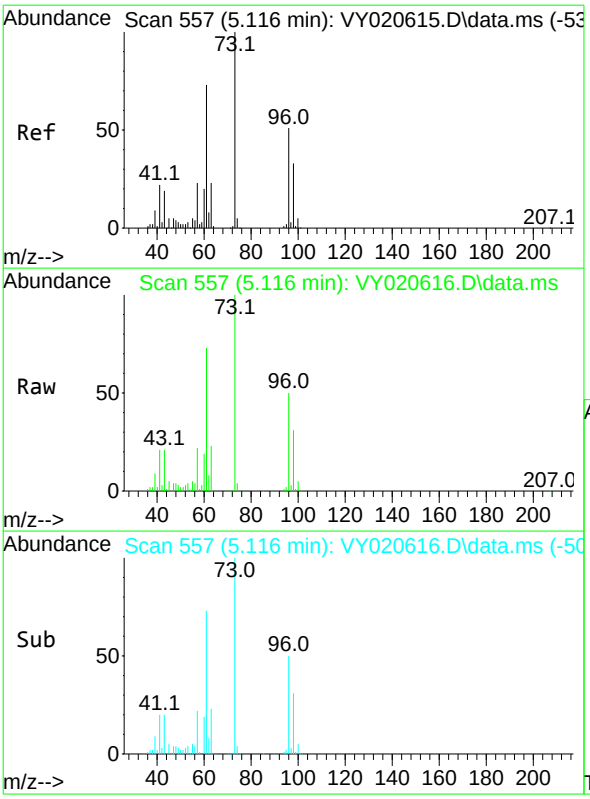


#18
Methyl Acetate
Concen: 104.906 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 137166

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8

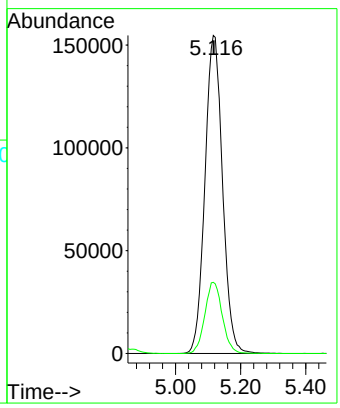




#19
Methyl tert-butyl Ether
Concen: 102.132 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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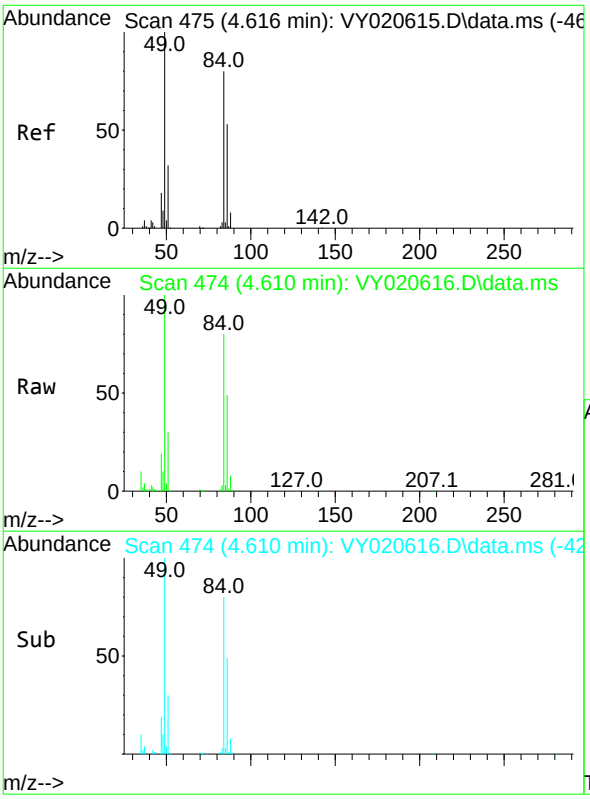
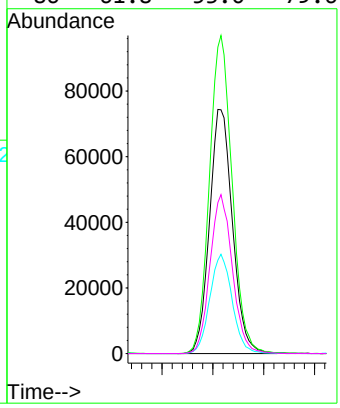
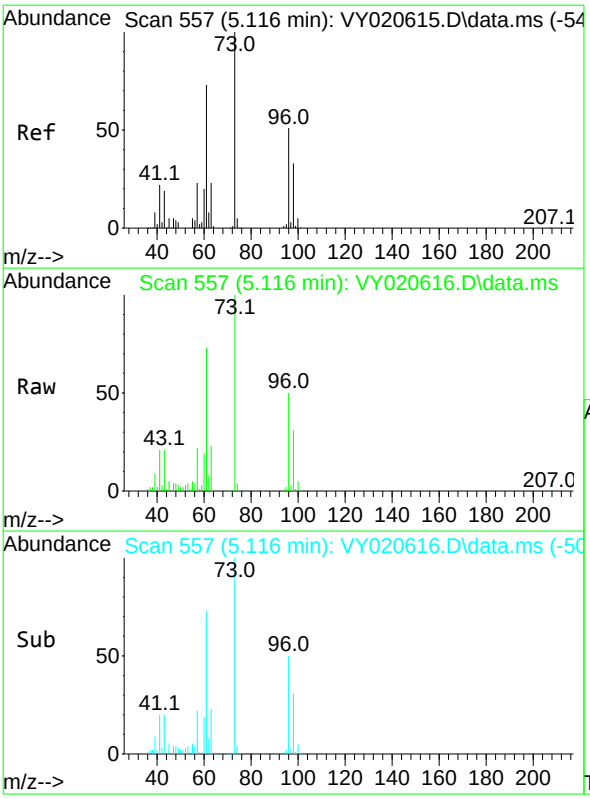


#20
Methylene Chloride
Concen: 97.650 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

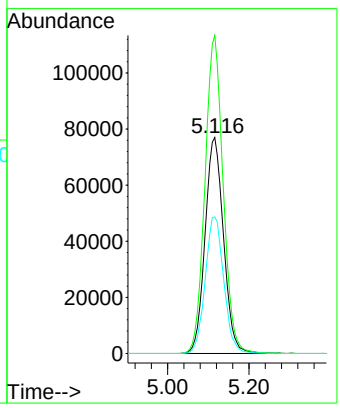




#21
trans-1,2-Dichloroethene
Concen: 98.365 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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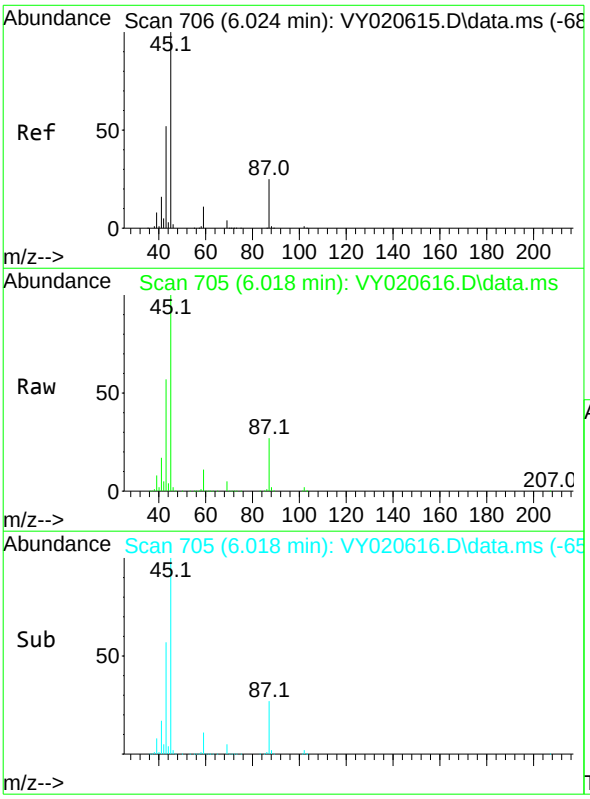
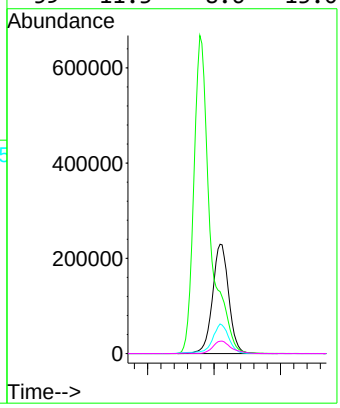
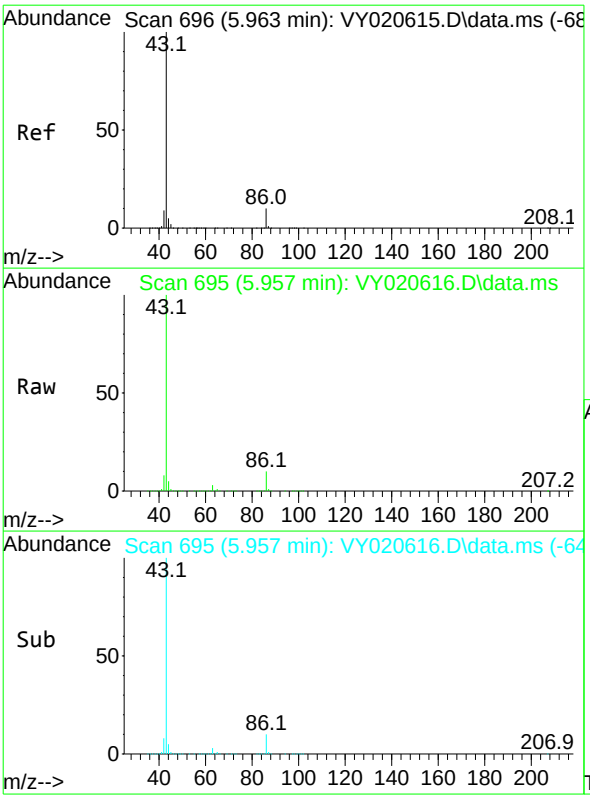


#22
Diisopropyl ether
Concen: 99.391 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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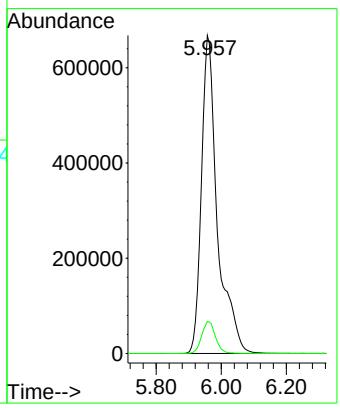
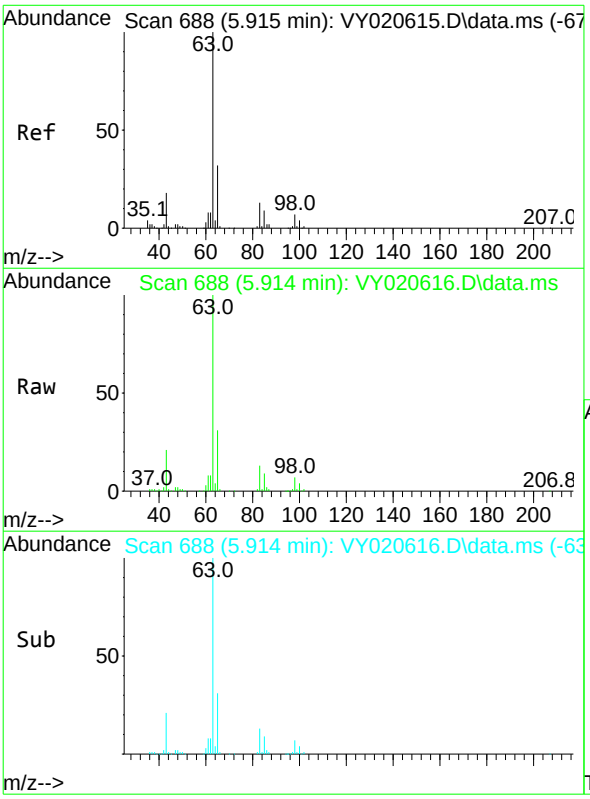
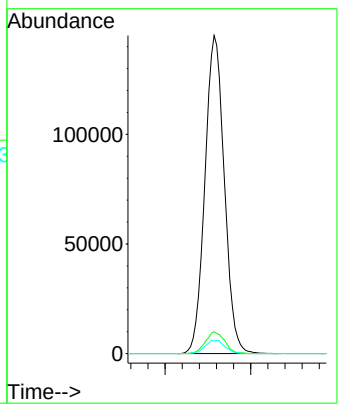


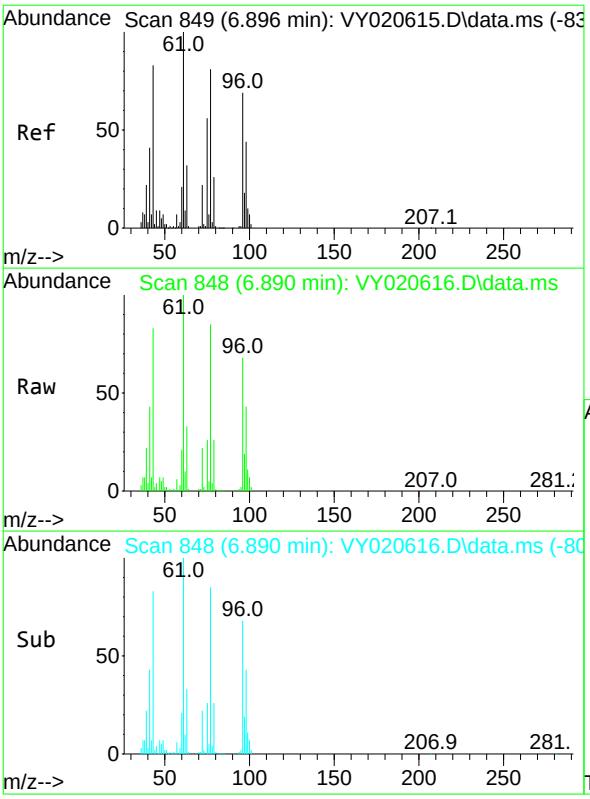


#24
1,1-Dichloroethane
Concen: 99.510 ug/l
RT: 5.914 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

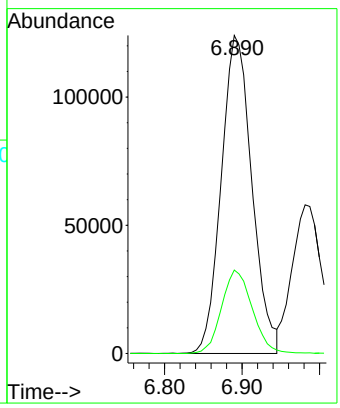




#25
2-Butanone
Concen: 478.150 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 341489

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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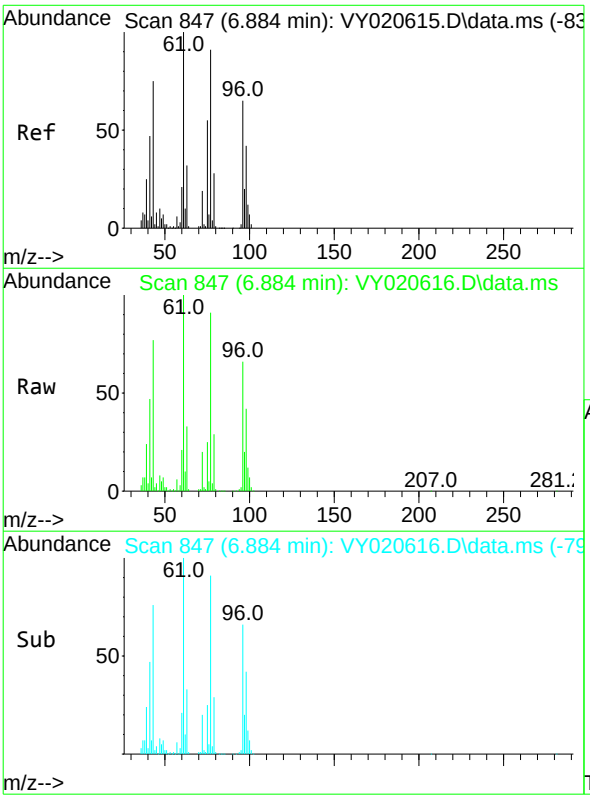
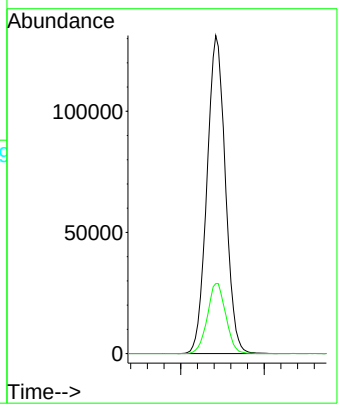
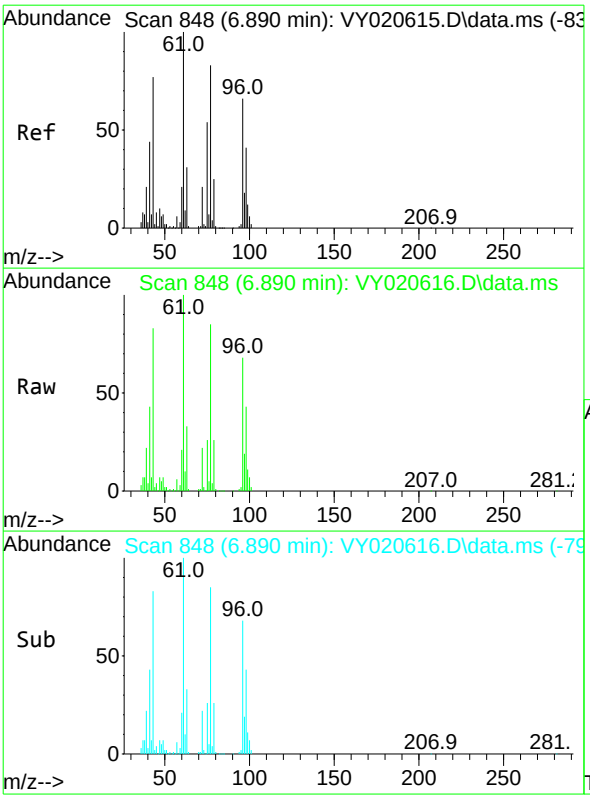


#26
2,2-Dichloropropane
Concen: 92.822 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 77 Resp: 402163

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

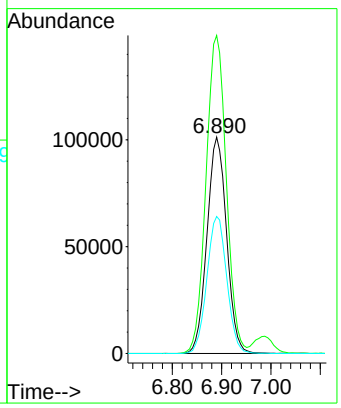




#27
cis-1,2-Dichloroethene
Concen: 98.523 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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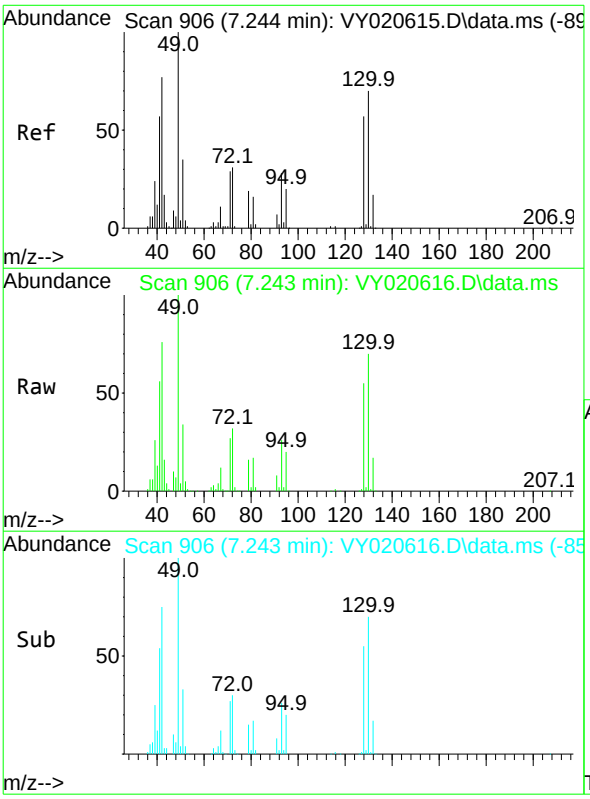
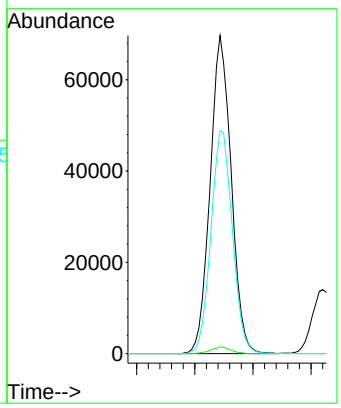
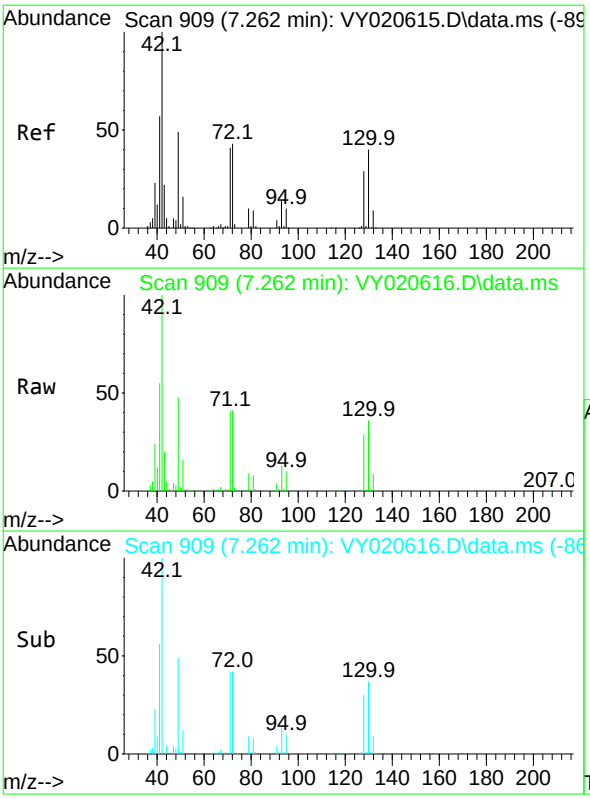


#28
Bromochloromethane
Concen: 113.661 ug/l
RT: 7.243 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

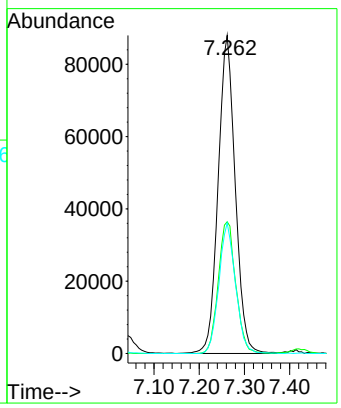




#29
Tetrahydrofuran
Concen: 512.090 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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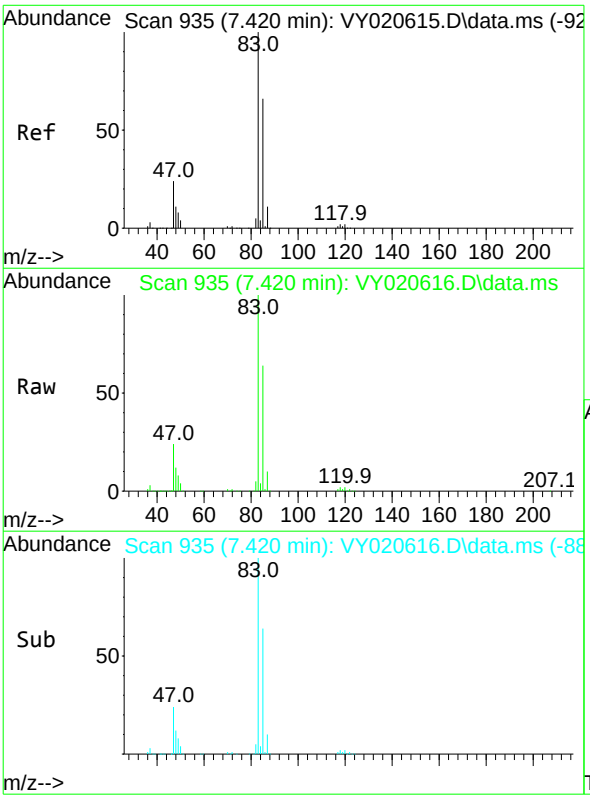
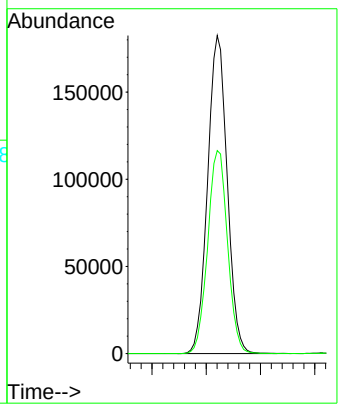
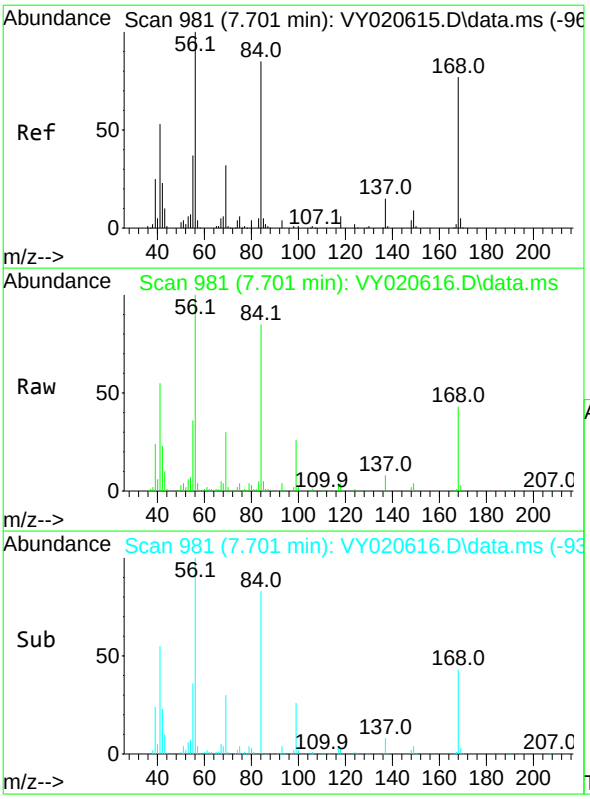


#30
Chloroform
Concen: 105.160 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 457070

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.7	79.1

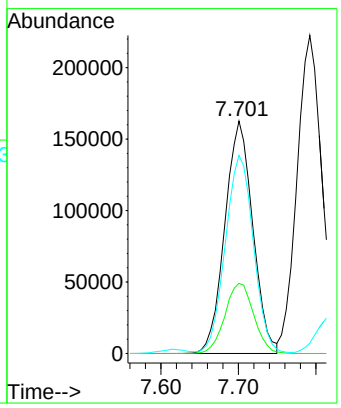




#31
Cyclohexane
Concen: 92.899 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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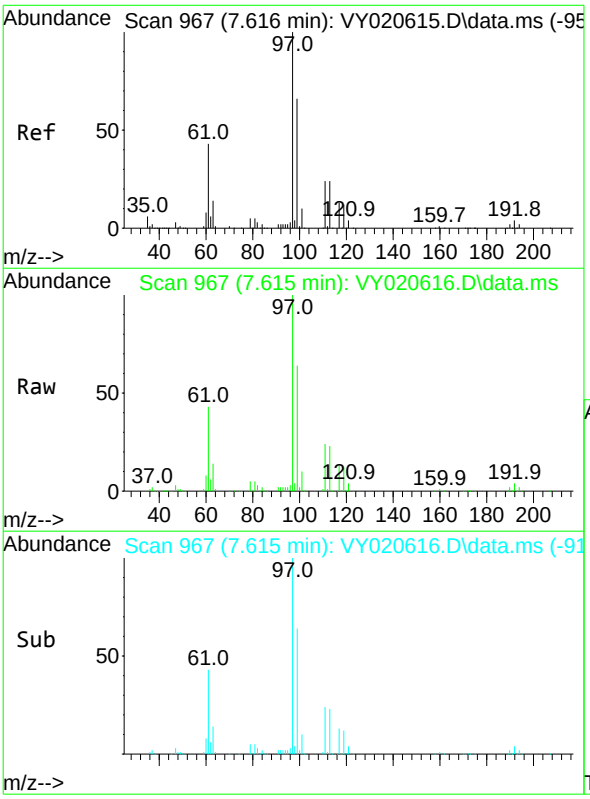
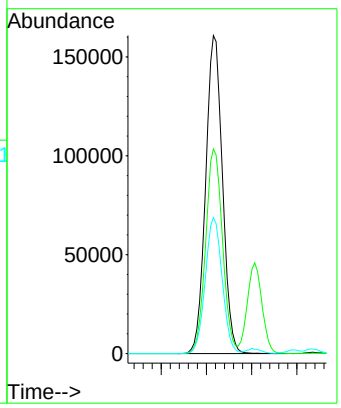
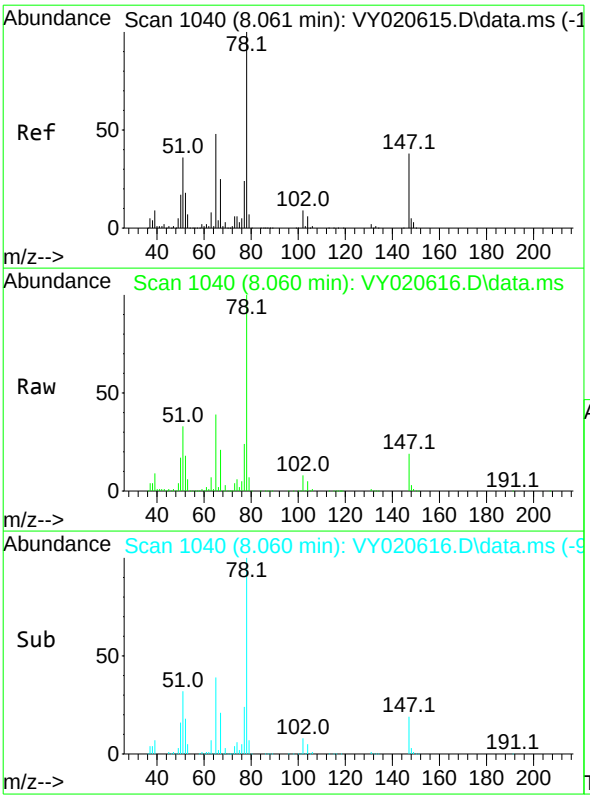


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

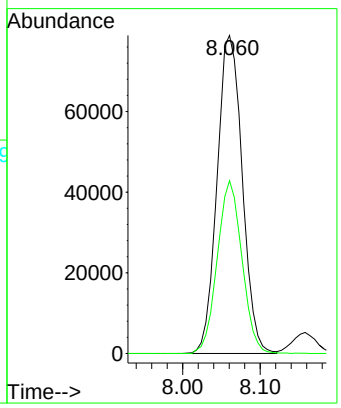




#33
1,2-Dichloroethane-d4
Concen: 92.612 ug/l
RT: 8.060 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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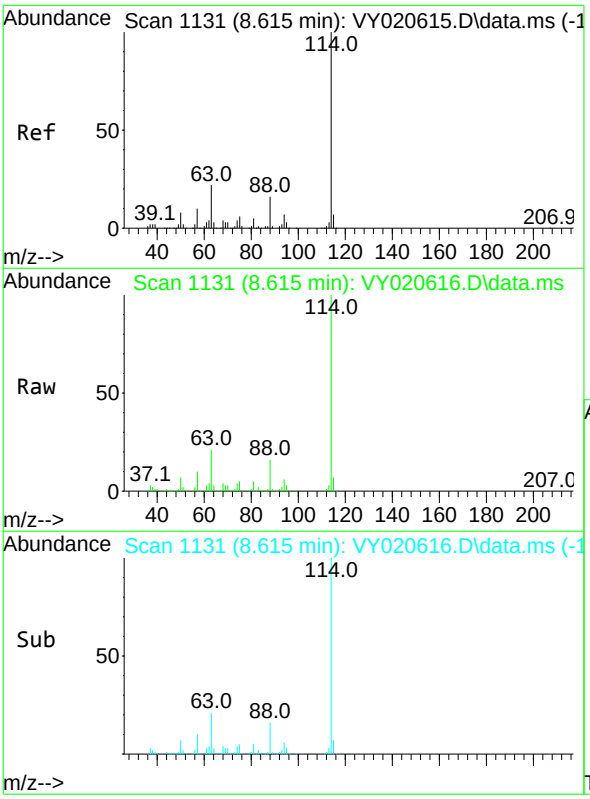
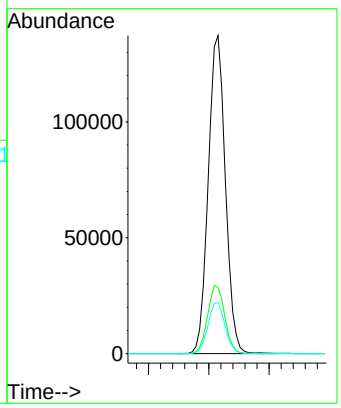
Supervised By :Semsettin Yesilyurt 12/18/2024

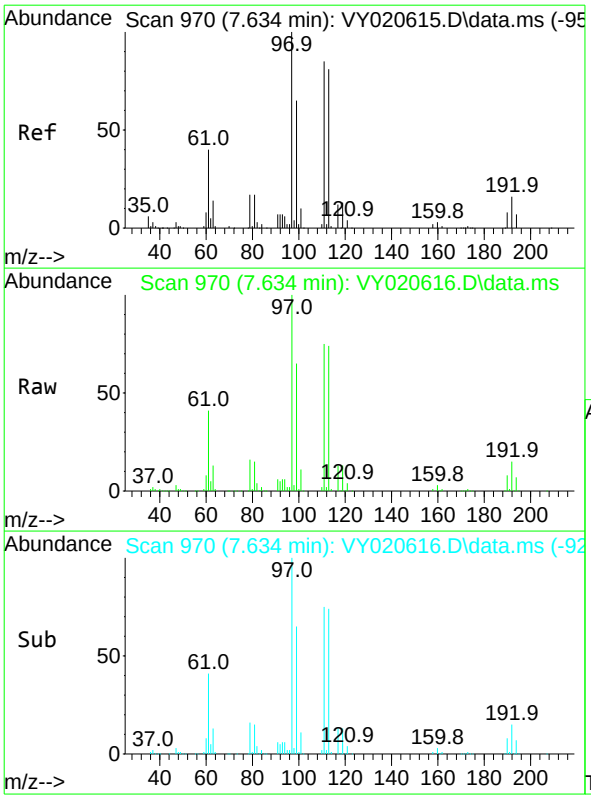


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

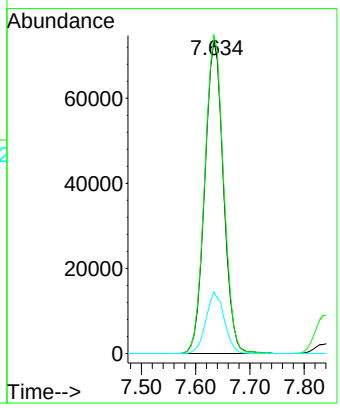




#35
Dibromofluoromethane
Concen: 92.118 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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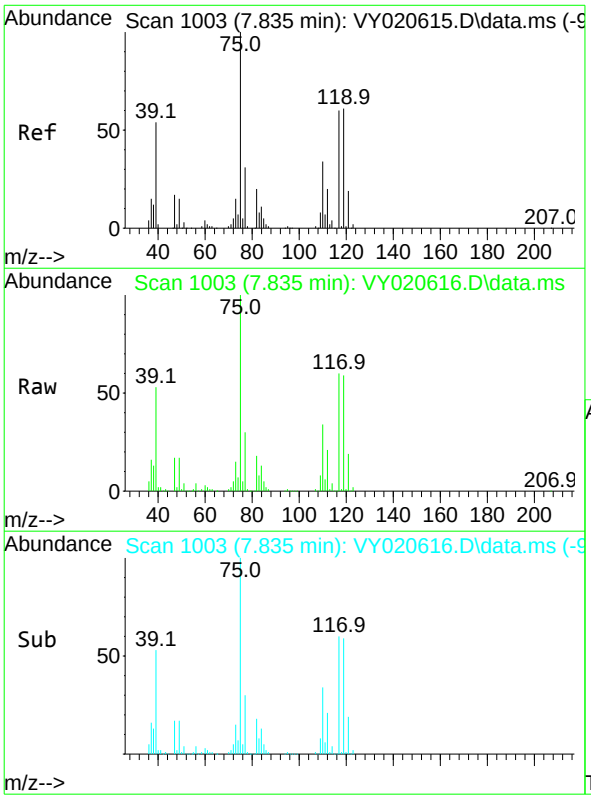
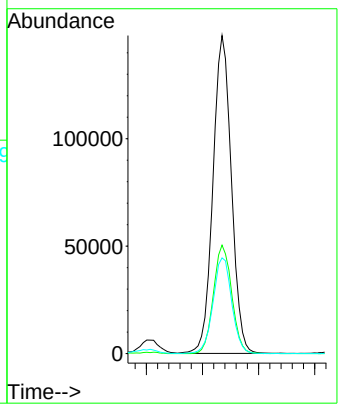
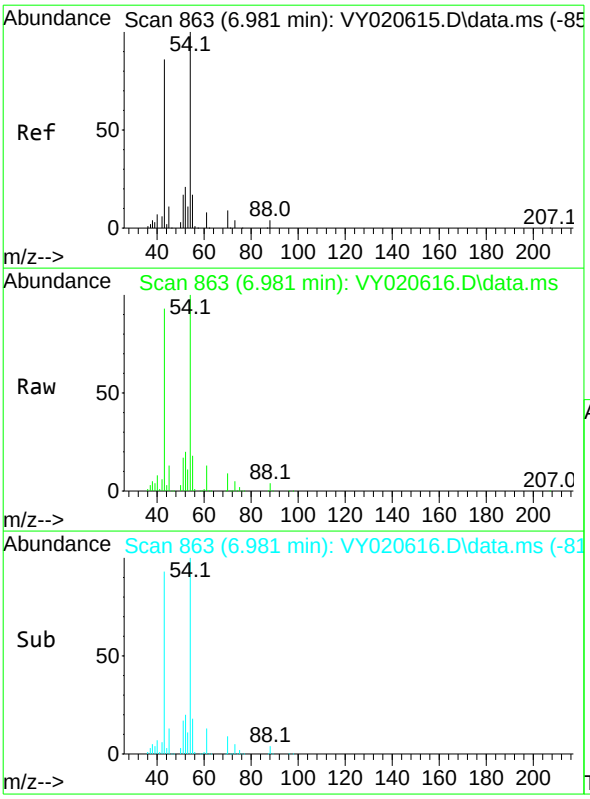


#36
1,1-Dichloropropene
Concen: 96.854 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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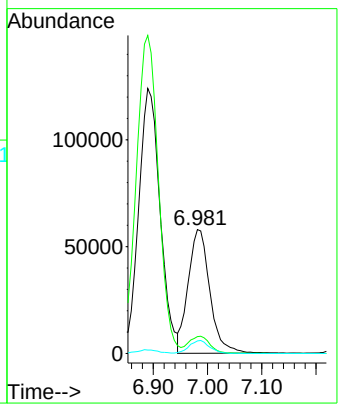
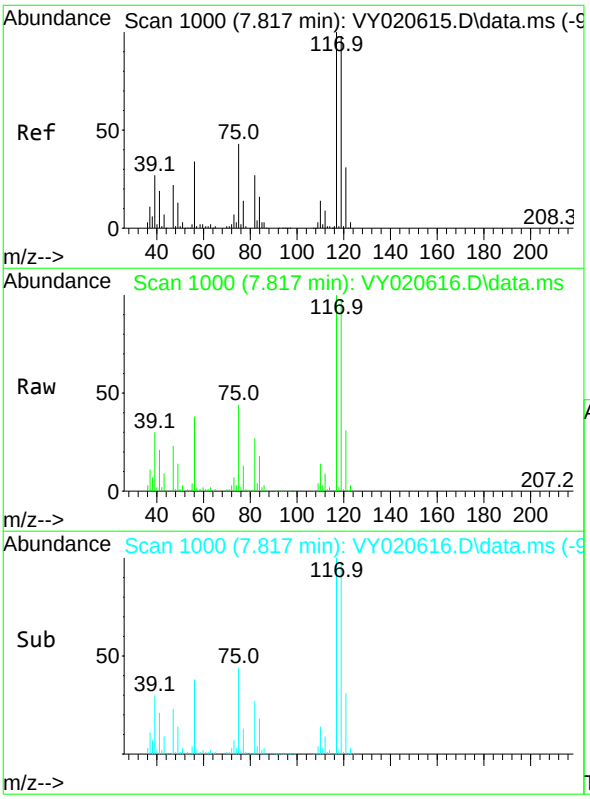
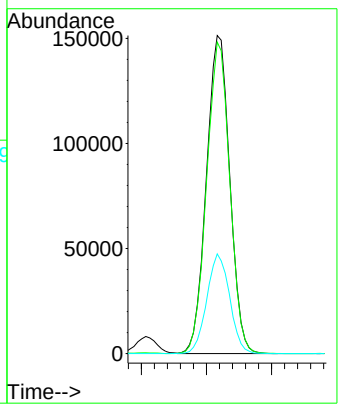


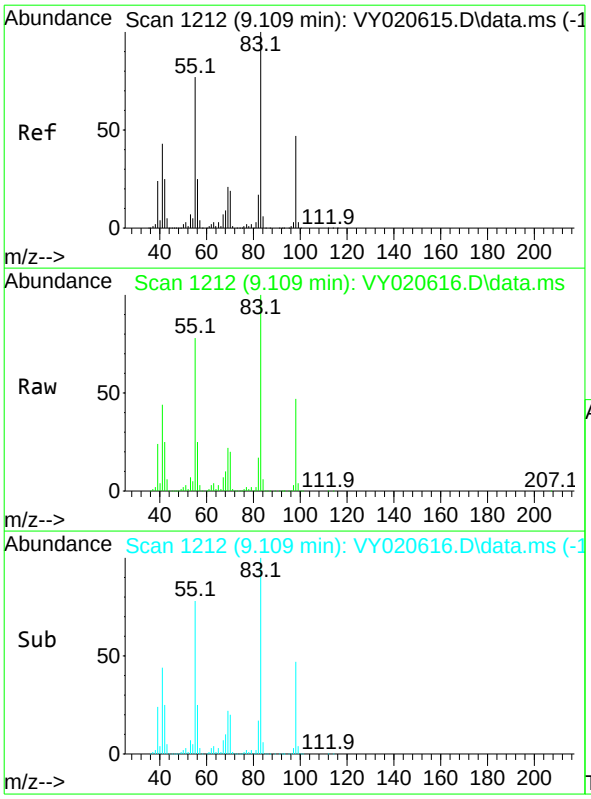


#38
Carbon Tetrachloride
Concen: 97.998 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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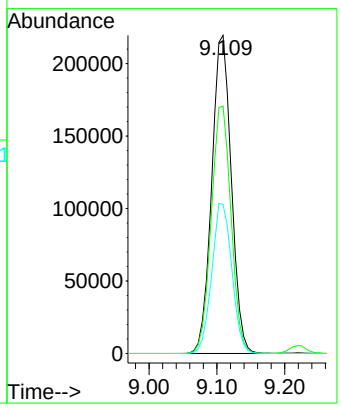
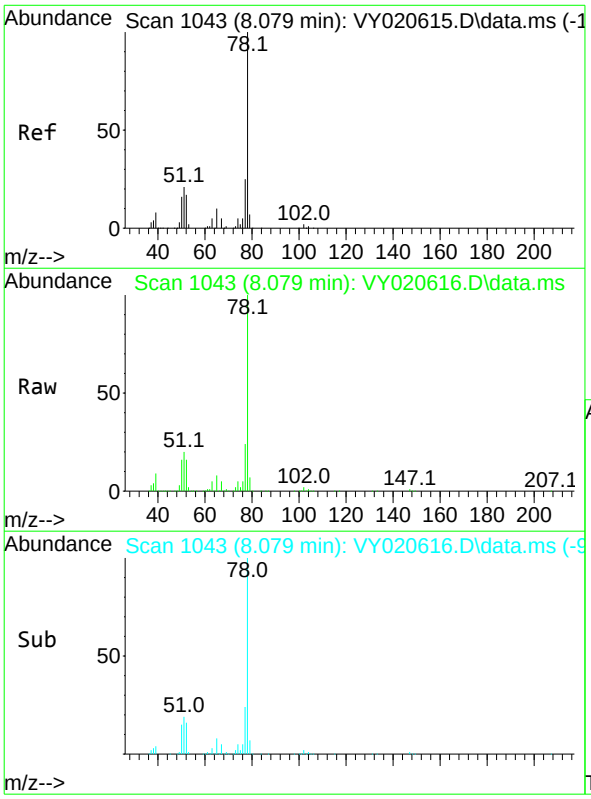
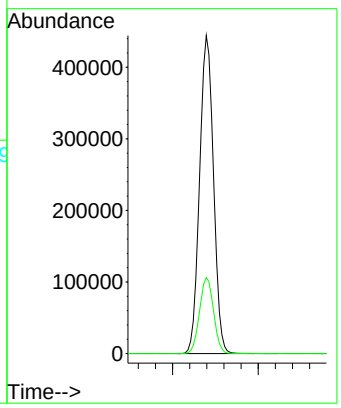


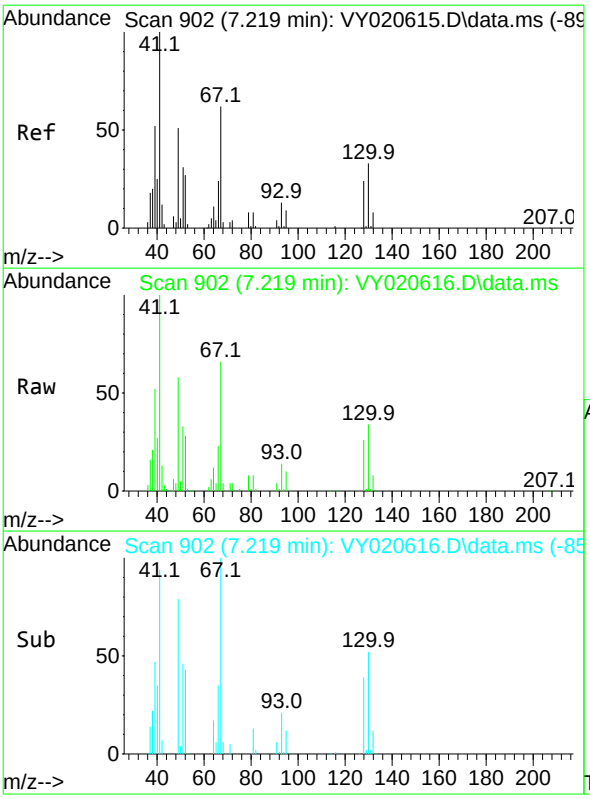


#40
Benzene
Concen: 98.064 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 78 Resp: 1000543

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1

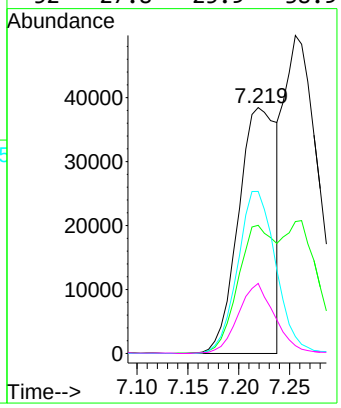




#41
Methacrylonitrile
Concen: 114.810 ug/l
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

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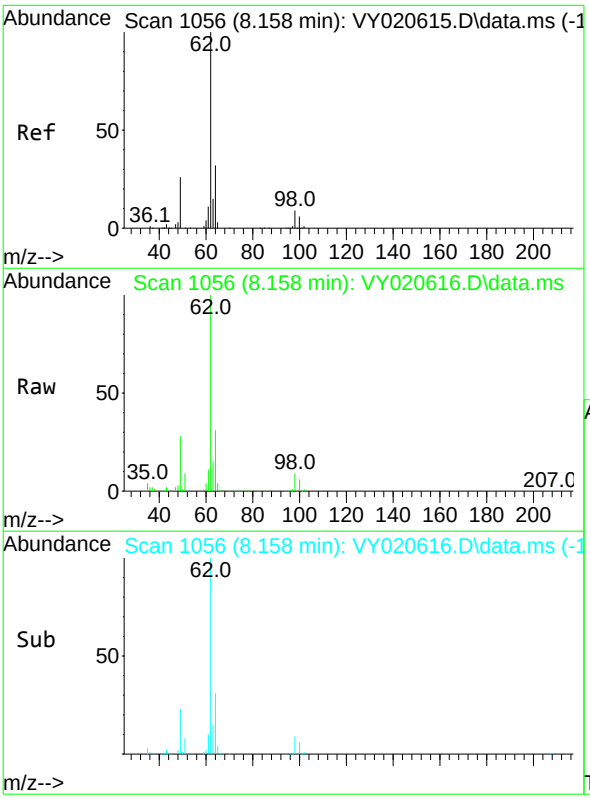
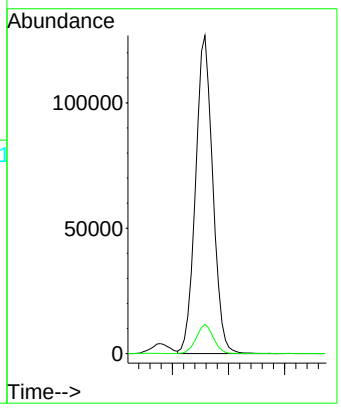
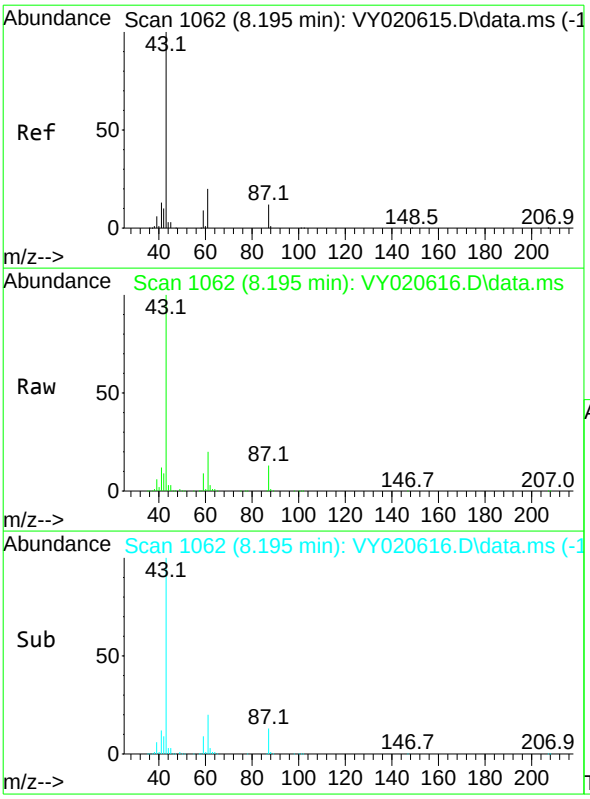


#42
1,2-Dichloroethane
Concen: 99.793 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

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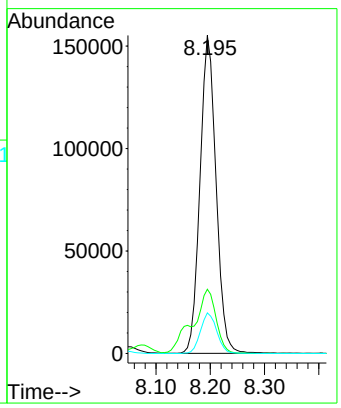
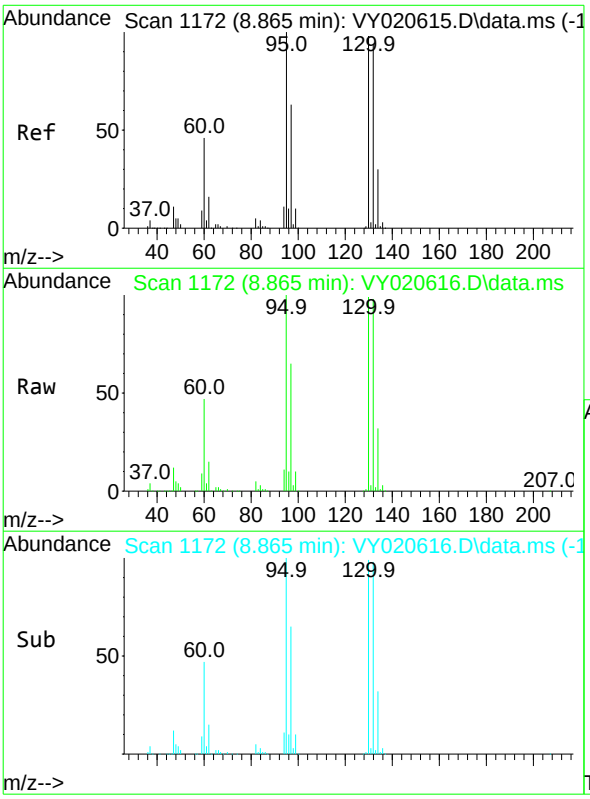
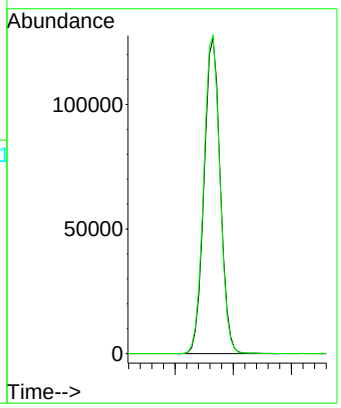


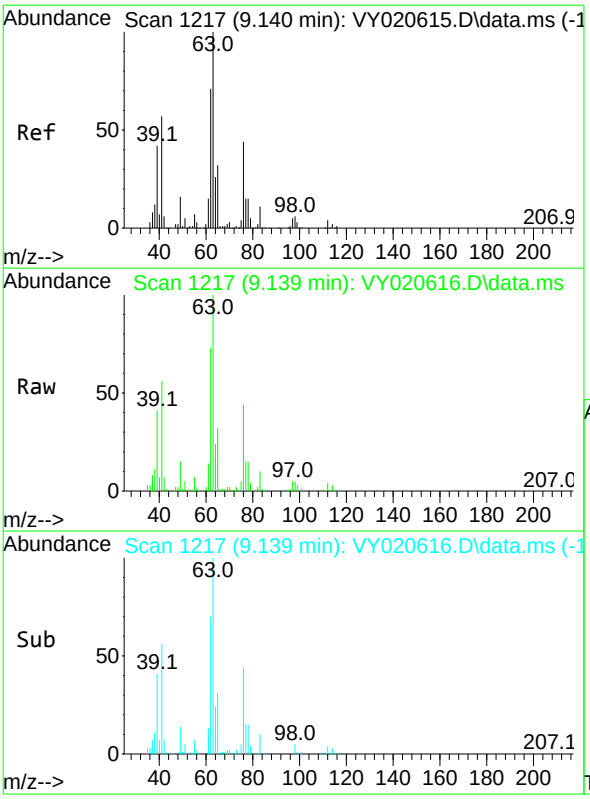


#44
Trichloroethene
Concen: 97.912 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:130 Resp: 245474

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2

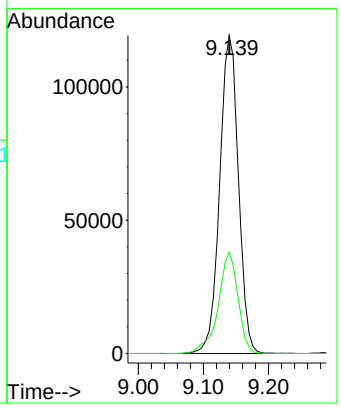




#45
1,2-Dichloropropane
Concen: 100.062 ug/l
RT: 9.139 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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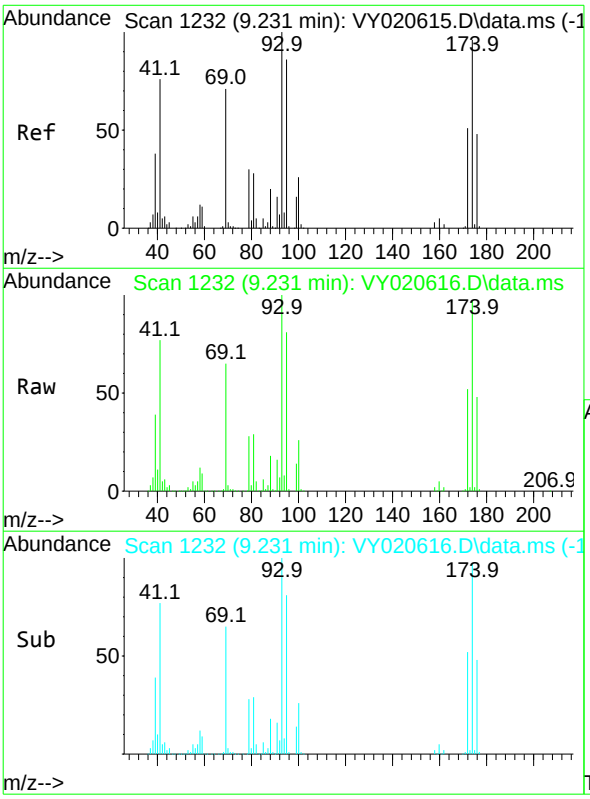
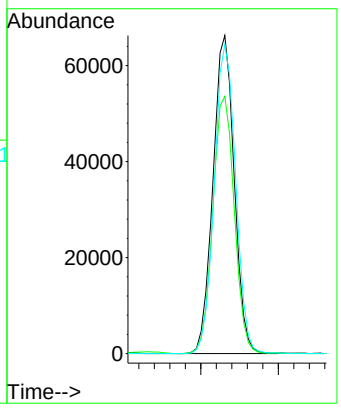
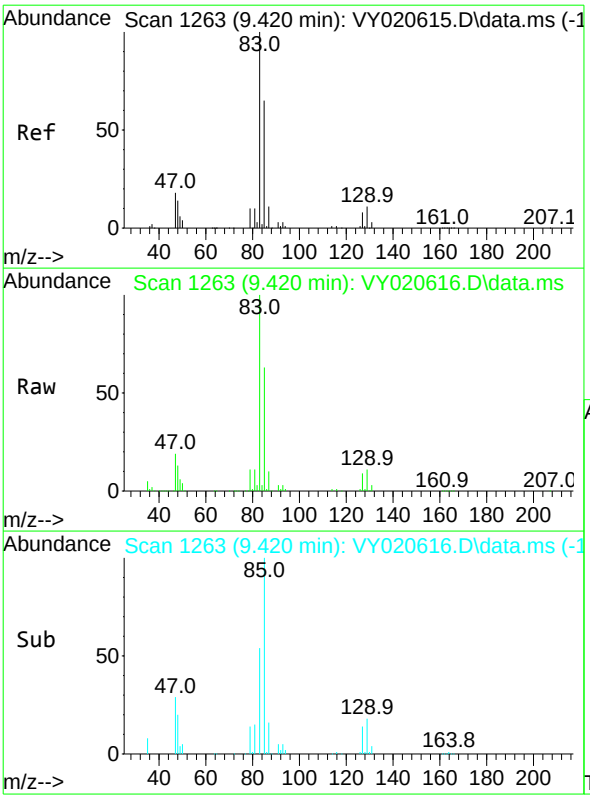


#46
Dibromomethane
Concen: 100.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

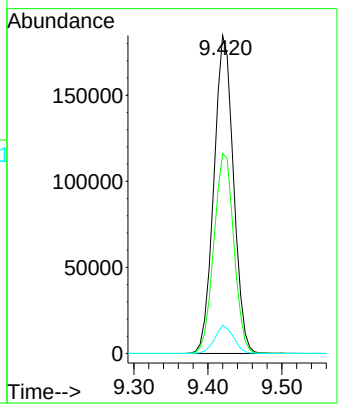




#47
Bromodichloromethane
Concen: 99.796 ug/l
RT: 9.420 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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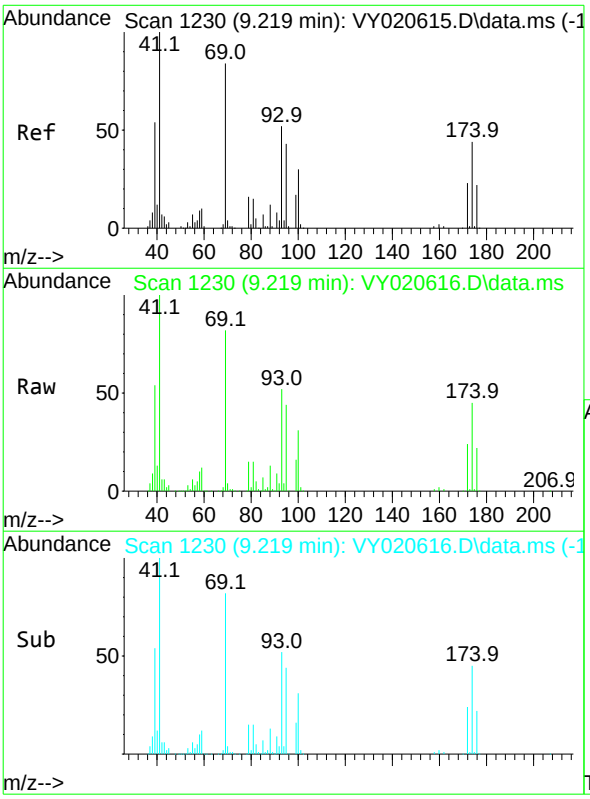
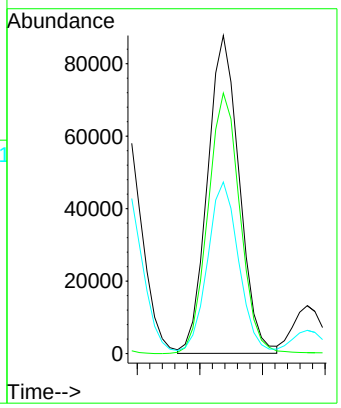
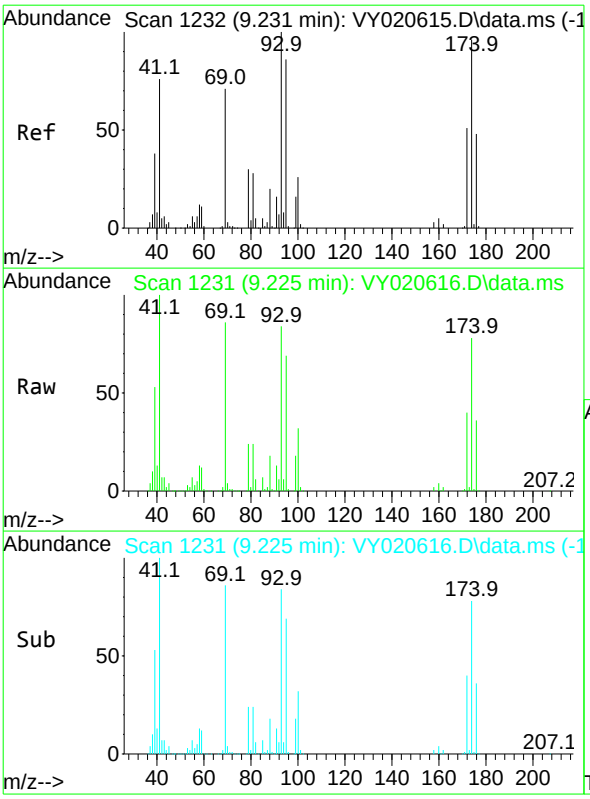


#48
Methyl methacrylate
Concen: 105.079 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

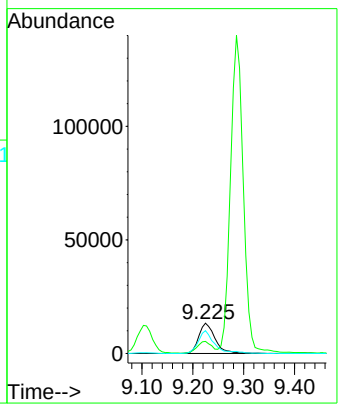




#49
1,4-Dioxane
Concen: 2066.774 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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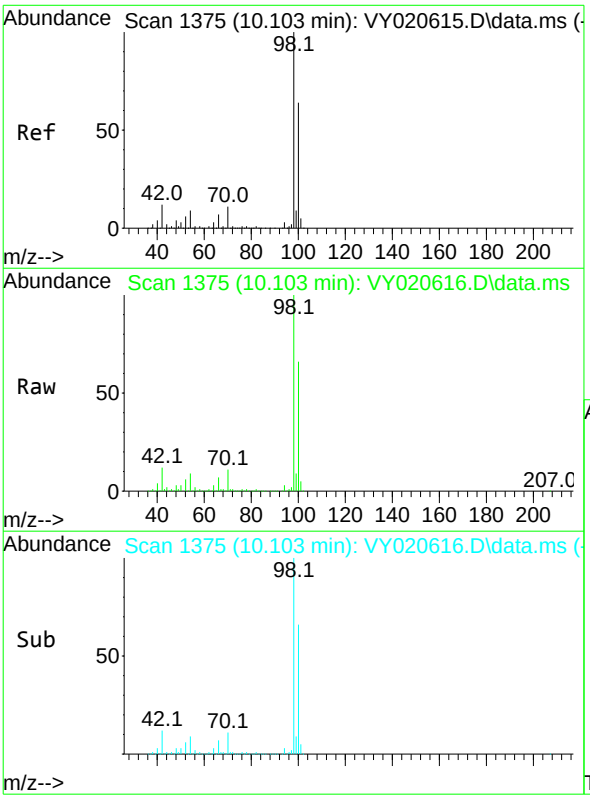
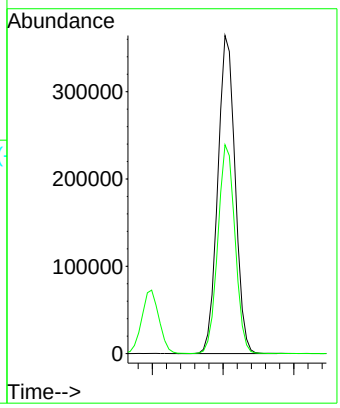
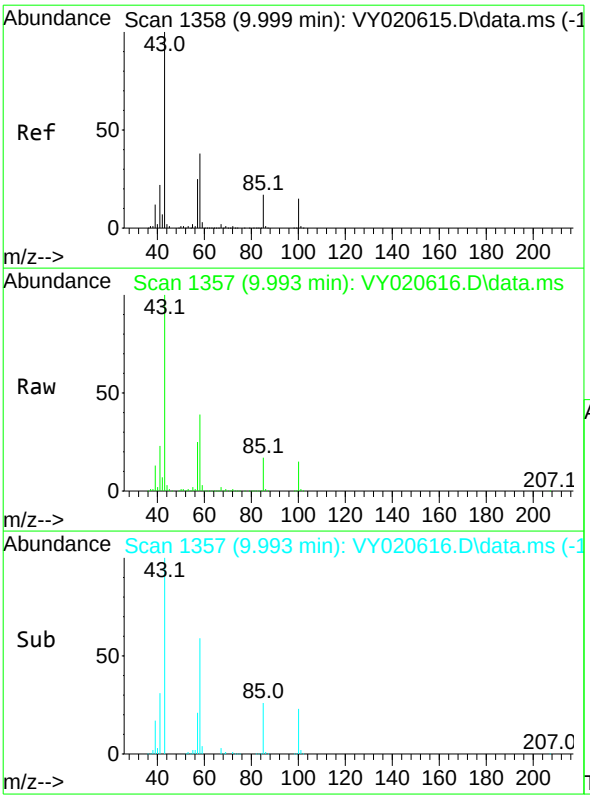


#50
Toluene-d8
Concen: 92.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 98 Resp: 619412

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

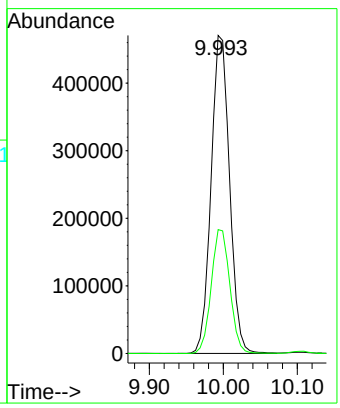




#51
4-Methyl-2-Pentanone
Concen: 498.015 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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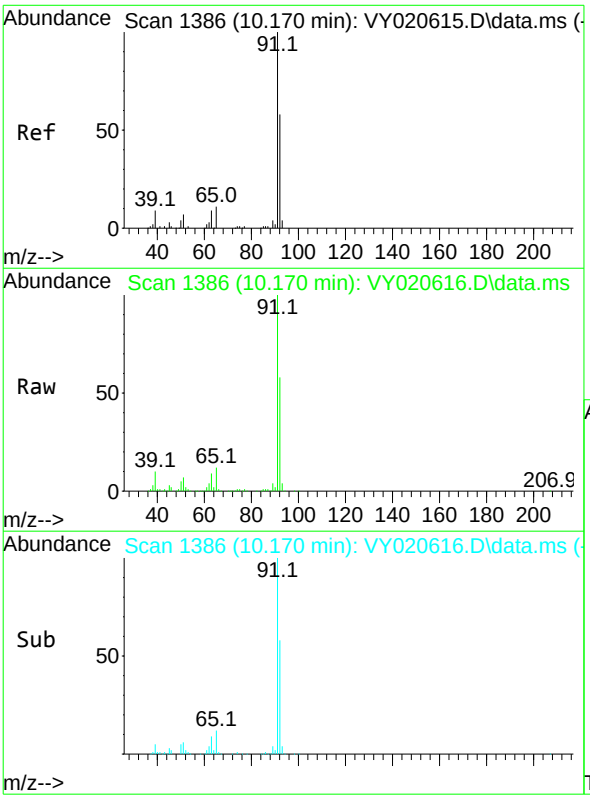
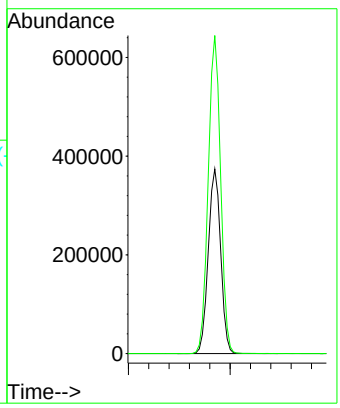
Supervised By :Semsettin Yesilyurt 12/18/2024

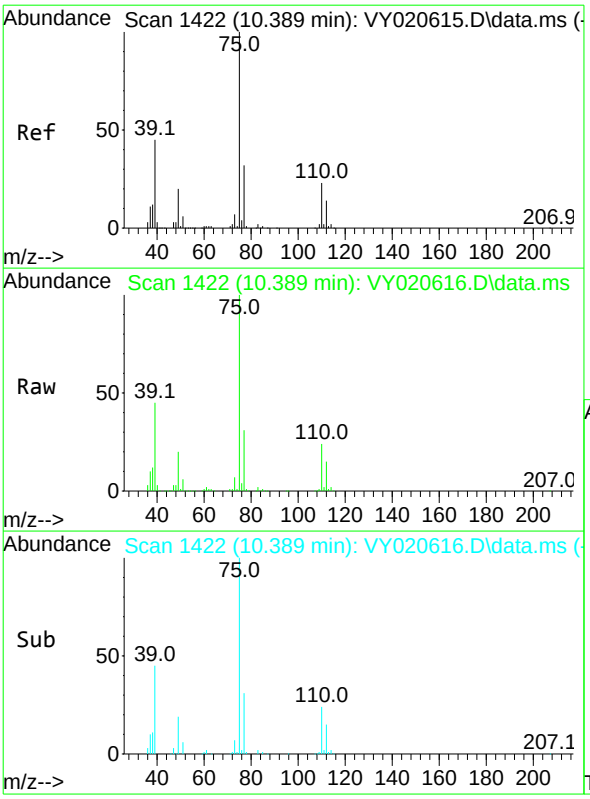


#52
Toluene
Concen: 99.573 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 92 Resp: 631368

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

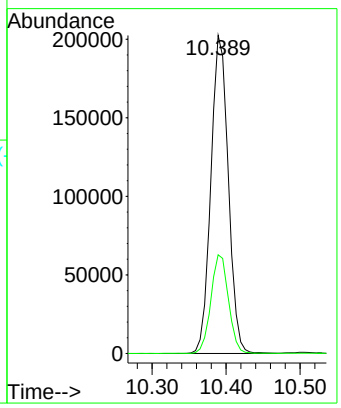




#53
t-1,3-Dichloropropene
Concen: 104.287 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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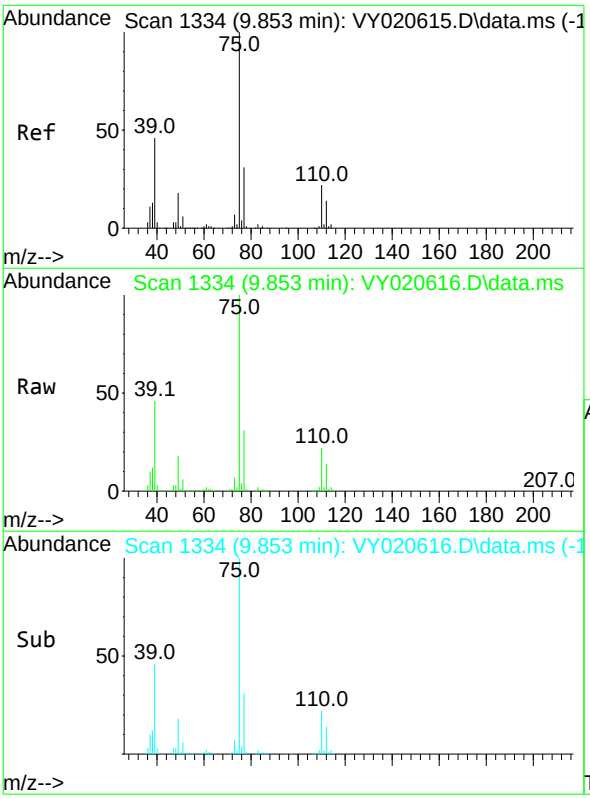
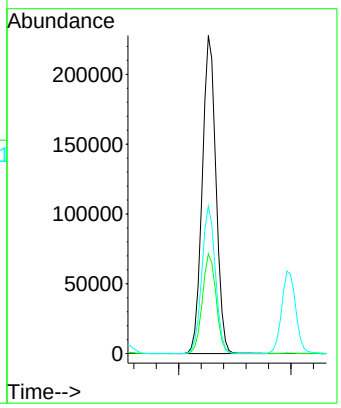
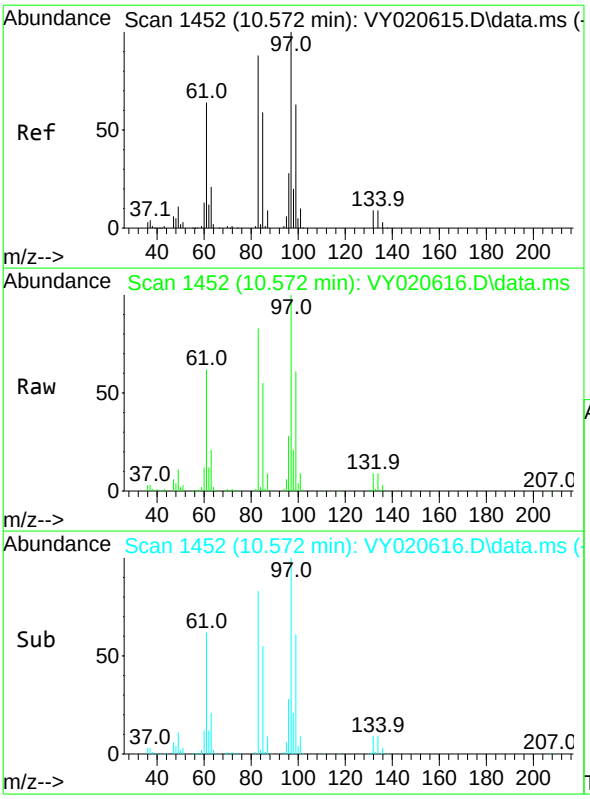


#54
cis-1,3-Dichloropropene
Concen: 102.884 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

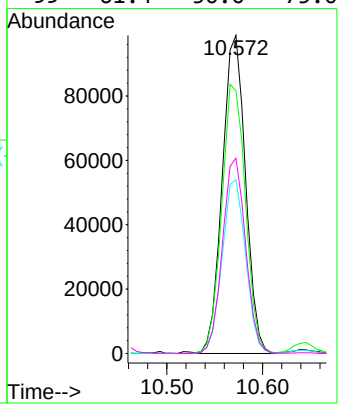




#55
1,1,2-Trichloroethane
Concen: 100.352 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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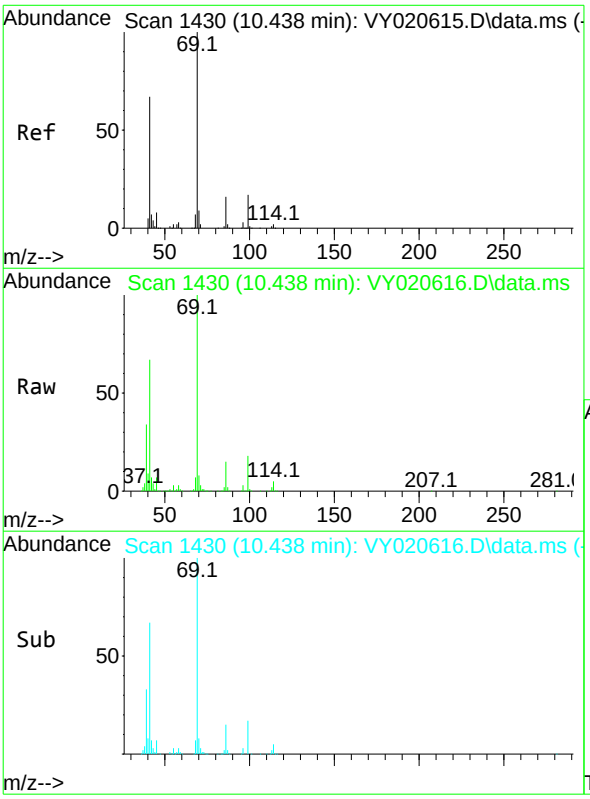
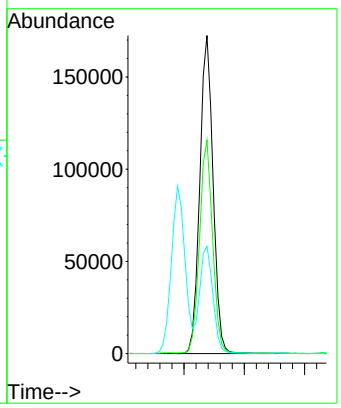
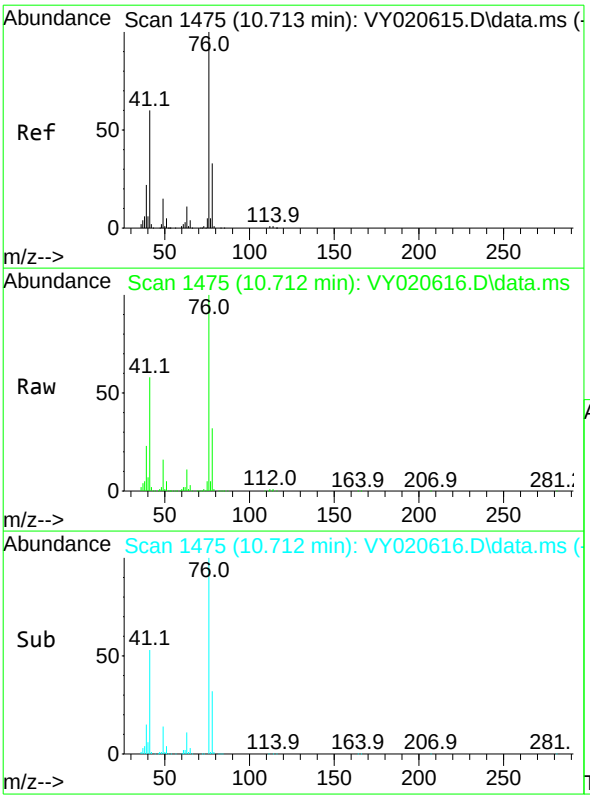


#56
Ethyl methacrylate
Concen: 109.090 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

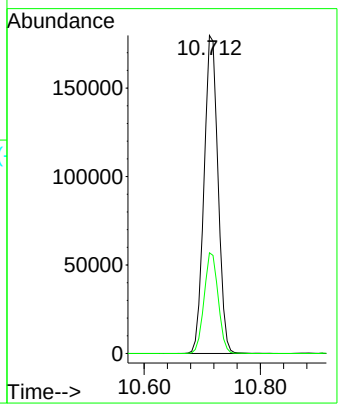




#57
1,3-Dichloropropane
Concen: 100.965 ug/l
RT: 10.712 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 76 Resp: 299884

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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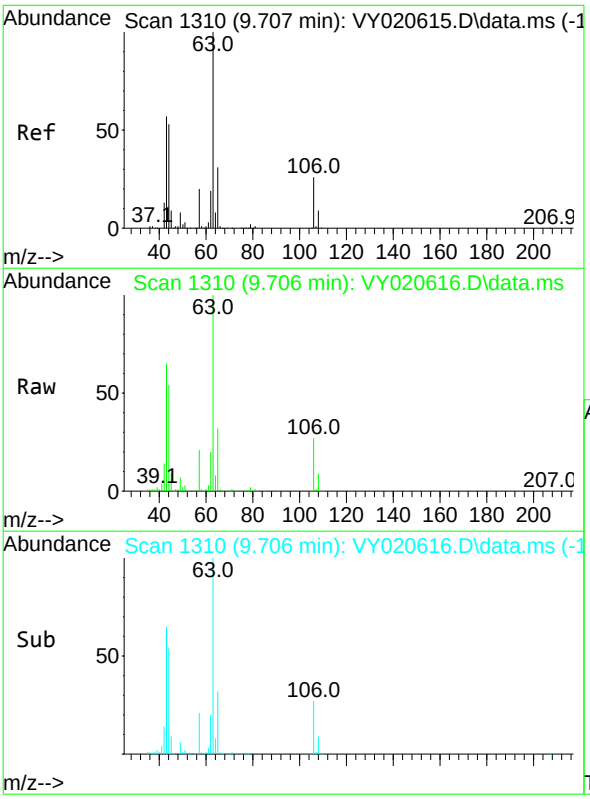
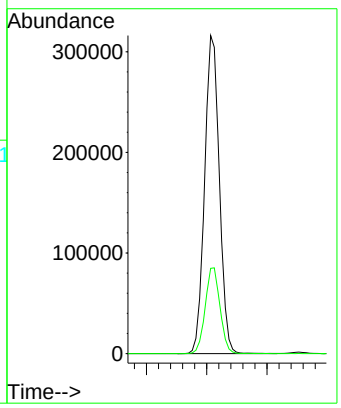
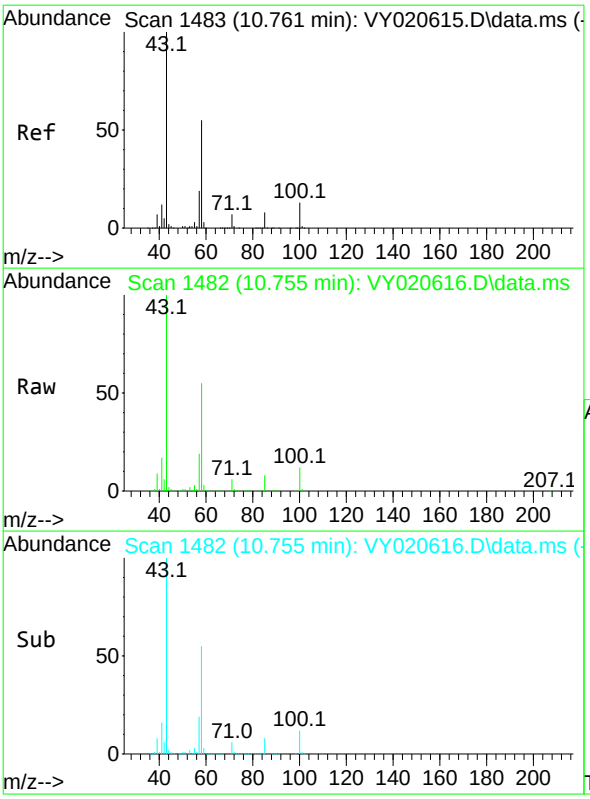


#58
2-Chloroethyl Vinyl ether
Concen: 527.303 ug/l
RT: 9.706 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 536306

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

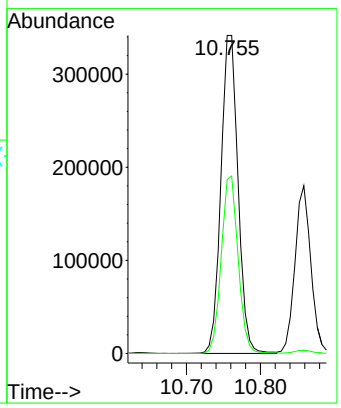




#59
2-Hexanone
Concen: 521.929 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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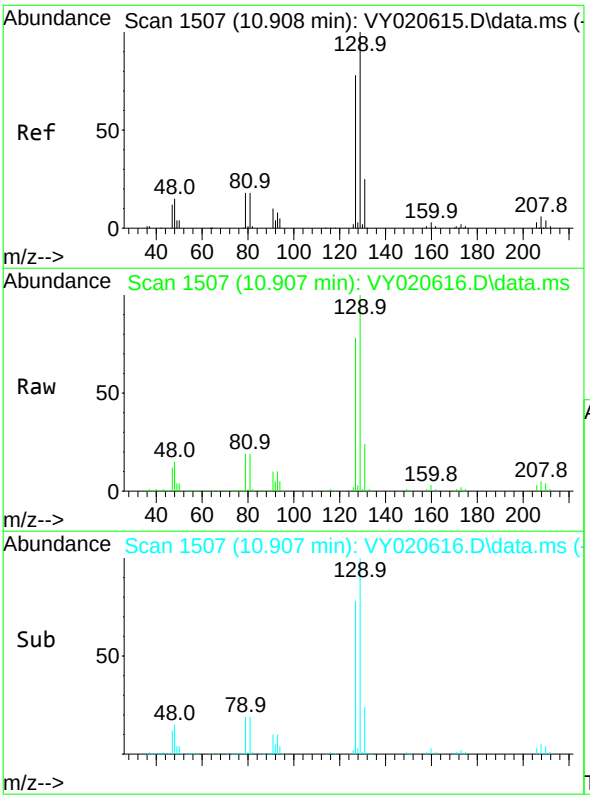
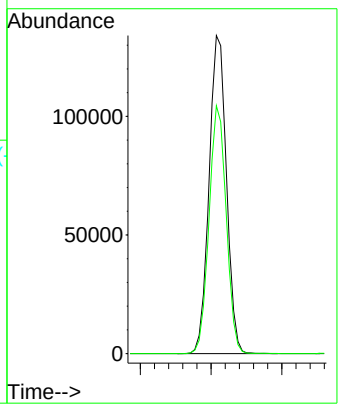
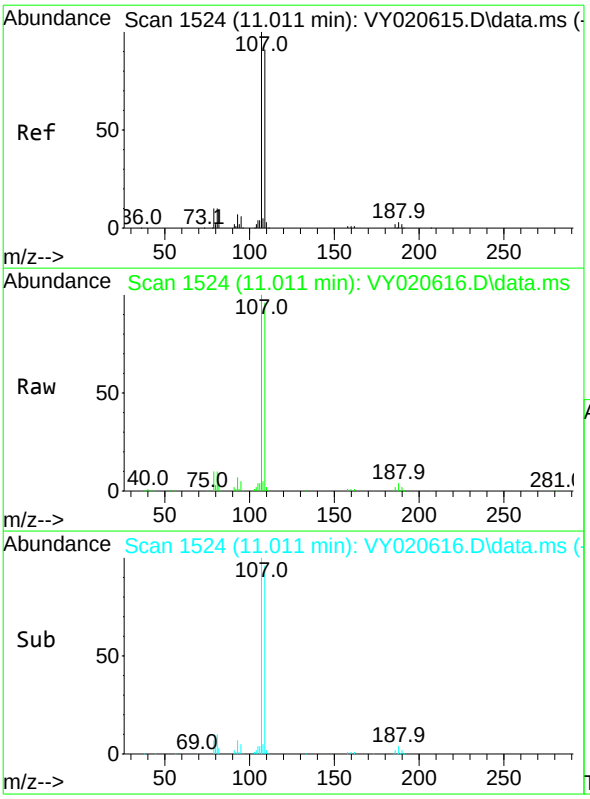


#60
Dibromochloromethane
Concen: 102.389 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:129 Resp: 228154

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3

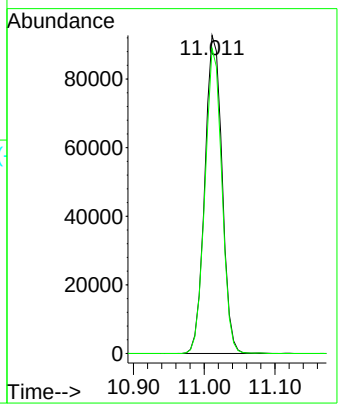




#61
1,2-Dibromoethane
Concen: 101.225 ug/l
RT: 11.011 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:107 Resp: 156883

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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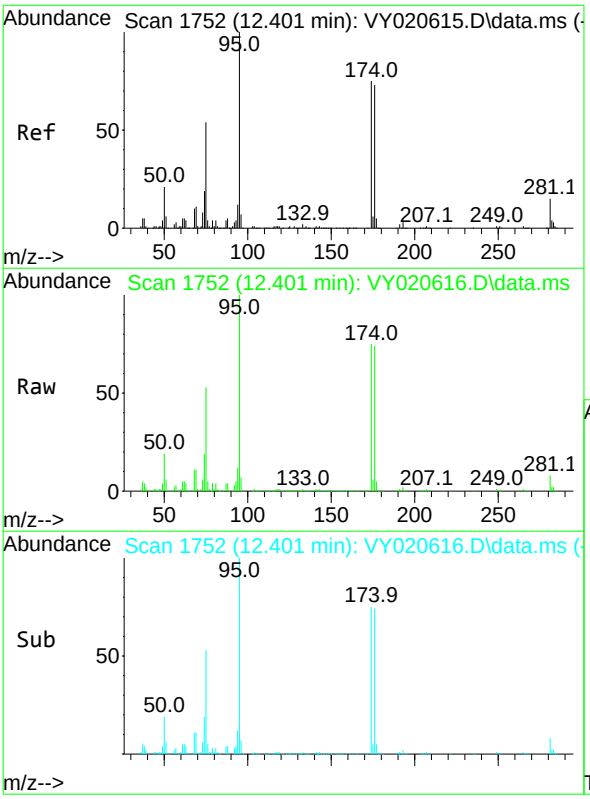
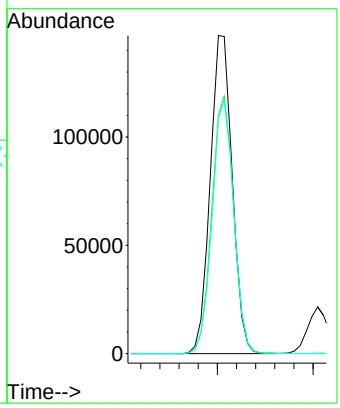
Supervised By :Semsettin Yesilyurt 12/18/2024

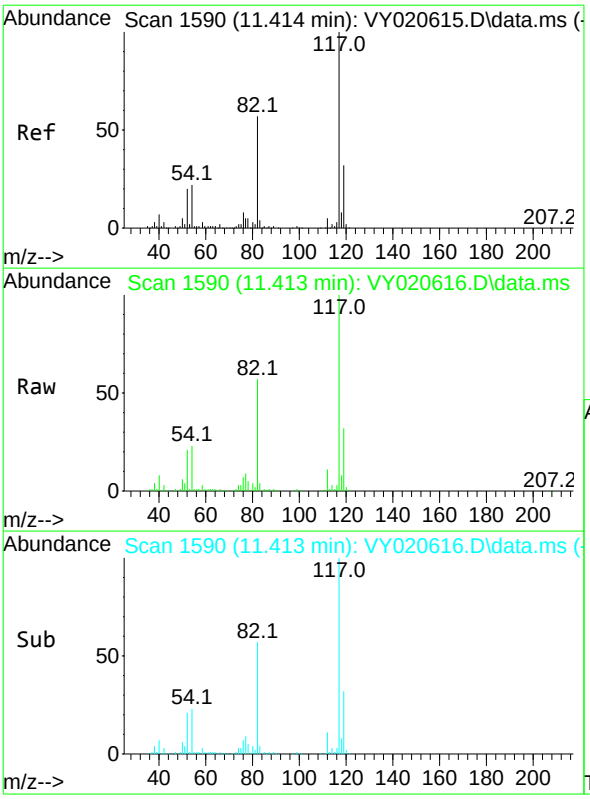


#62
4-Bromofluorobenzene
Concen: 89.665 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

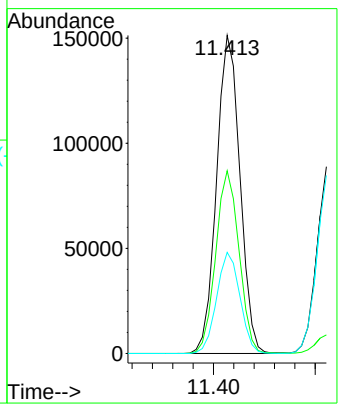




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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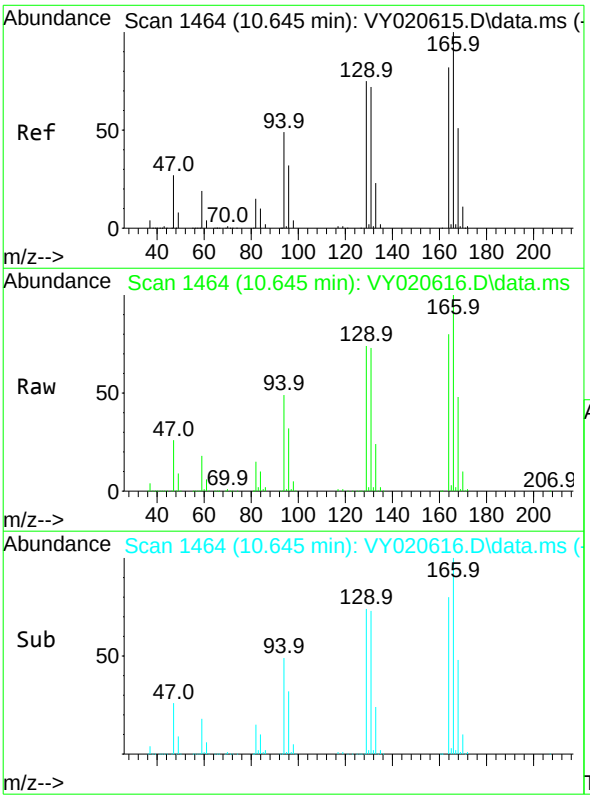
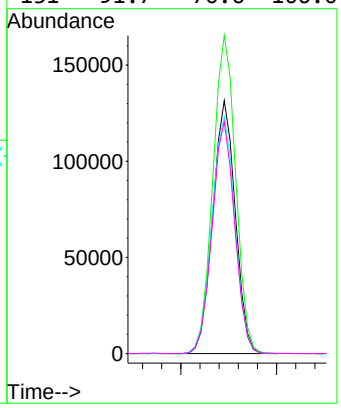
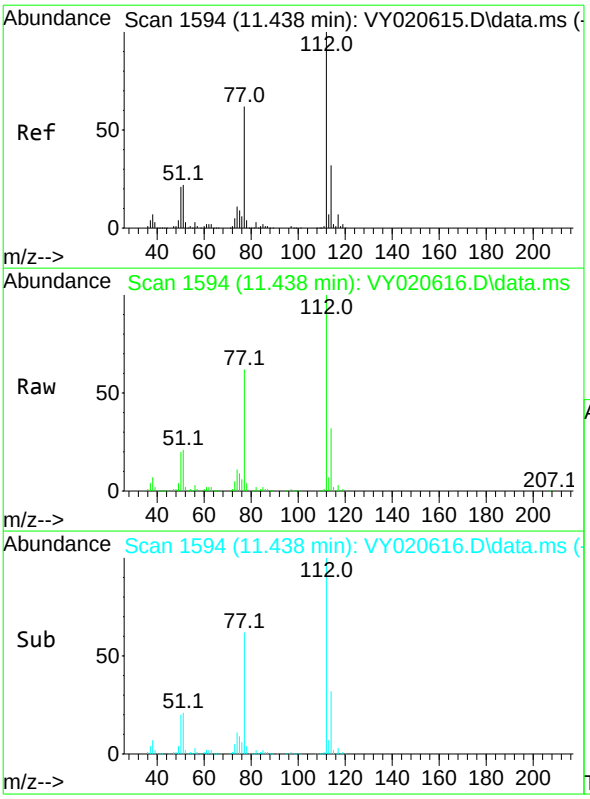


#64
Tetrachloroethene
Concen: 94.803 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

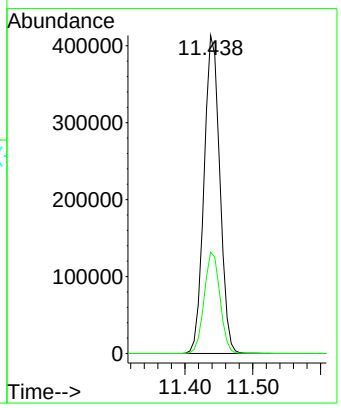




#65
Chlorobenzene
Concen: 98.800 ug/l
RT: 11.438 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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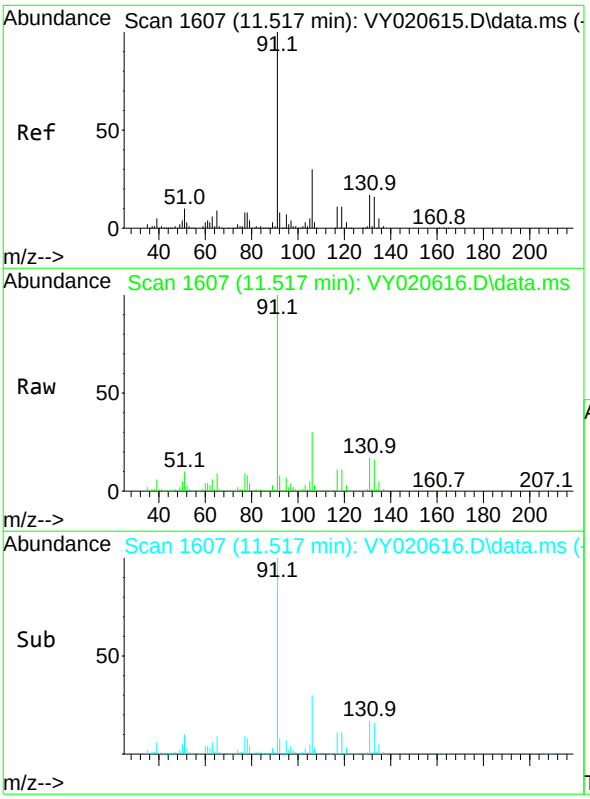
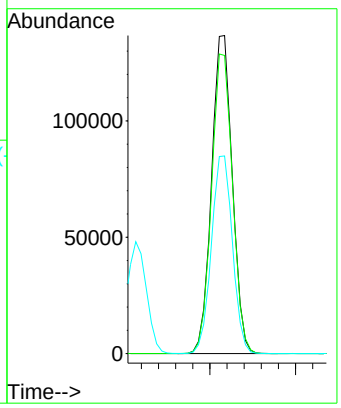
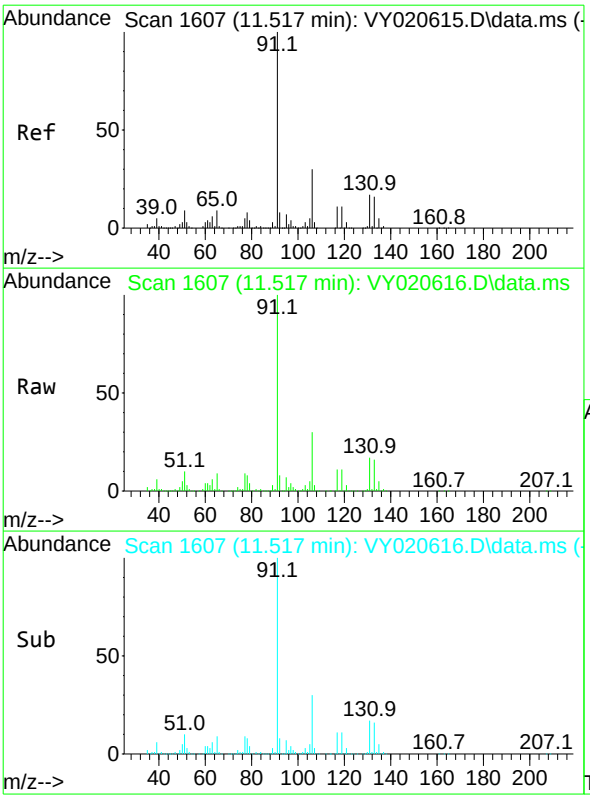


#66
1,1,1,2-Tetrachloroethane
Concen: 99.489 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

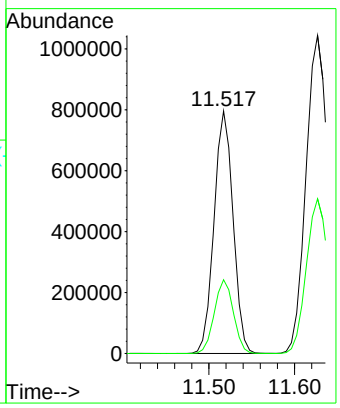




#67
Ethyl Benzene
Concen: 98.607 ug/l
RT: 11.517 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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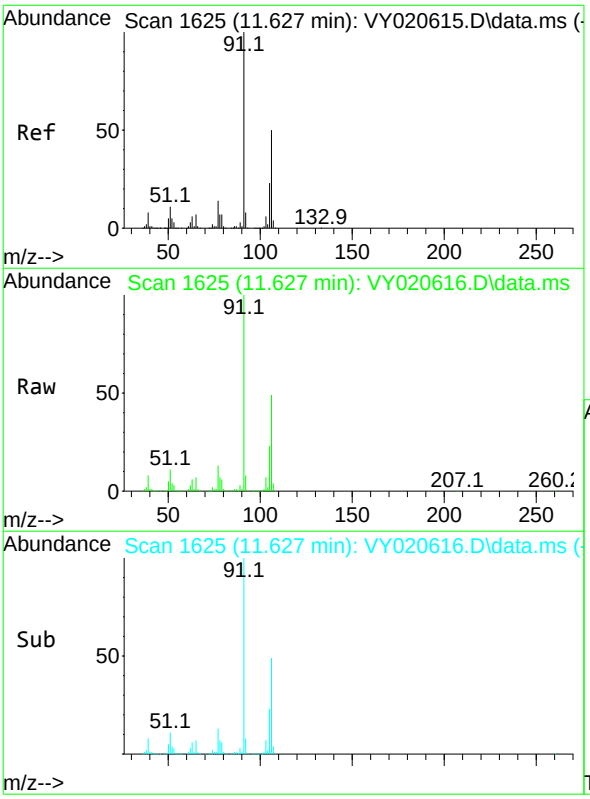
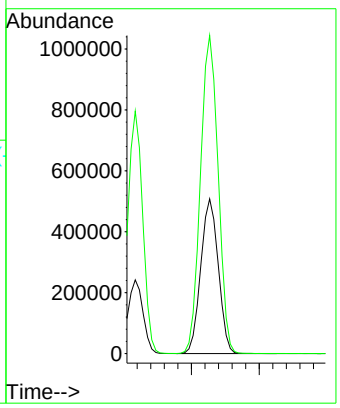
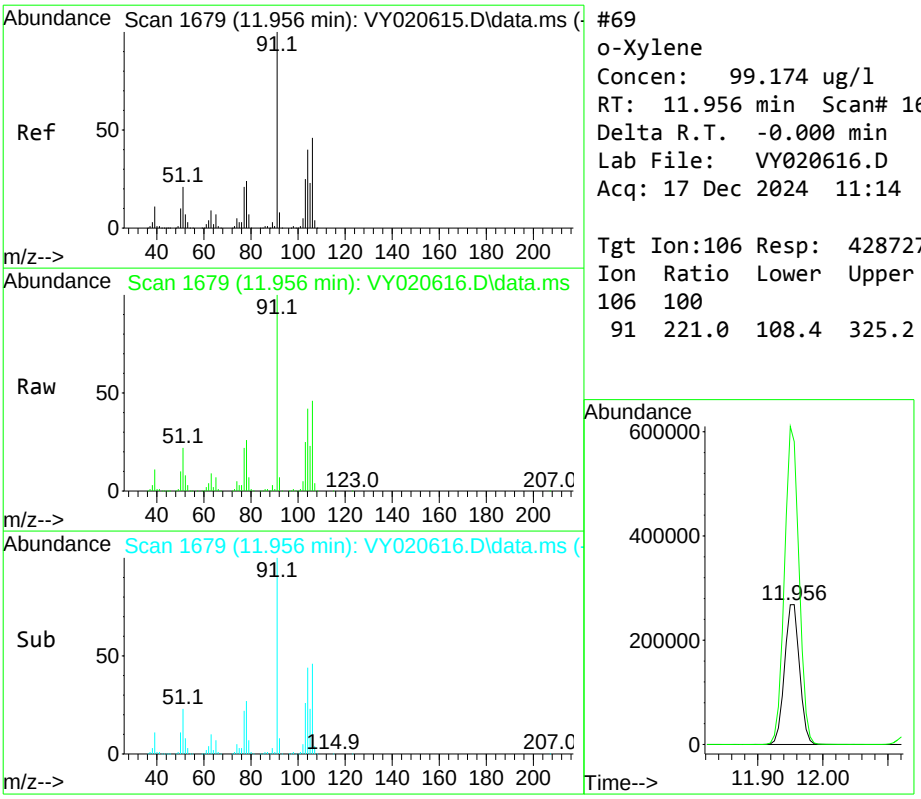


#68
m/p-Xylenes
Concen: 196.521 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

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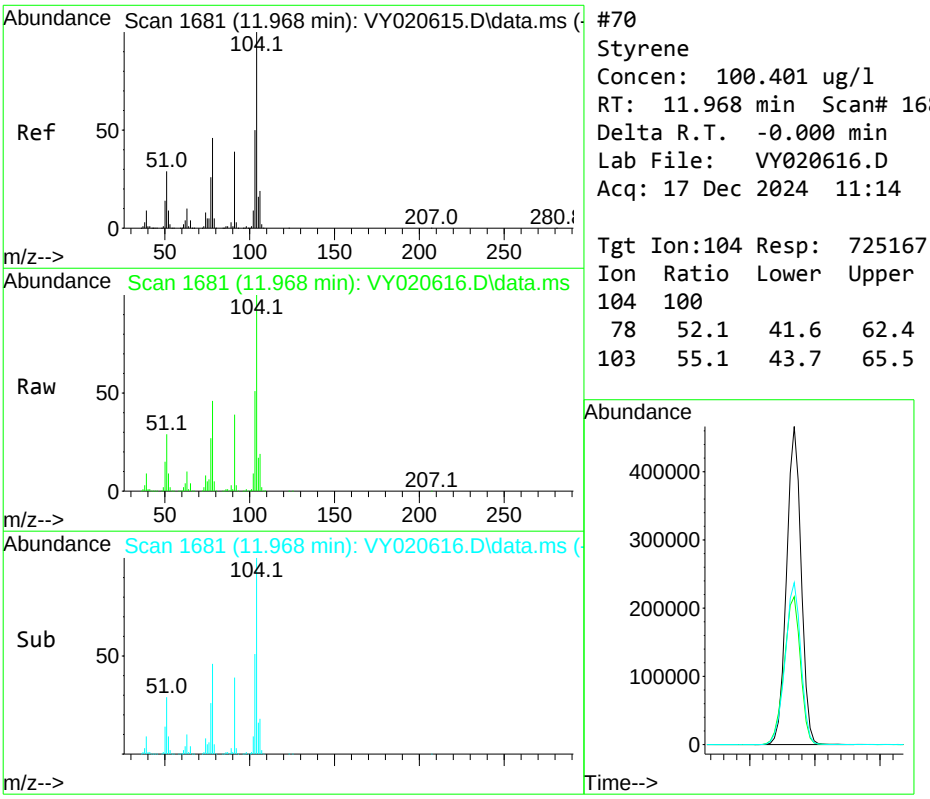
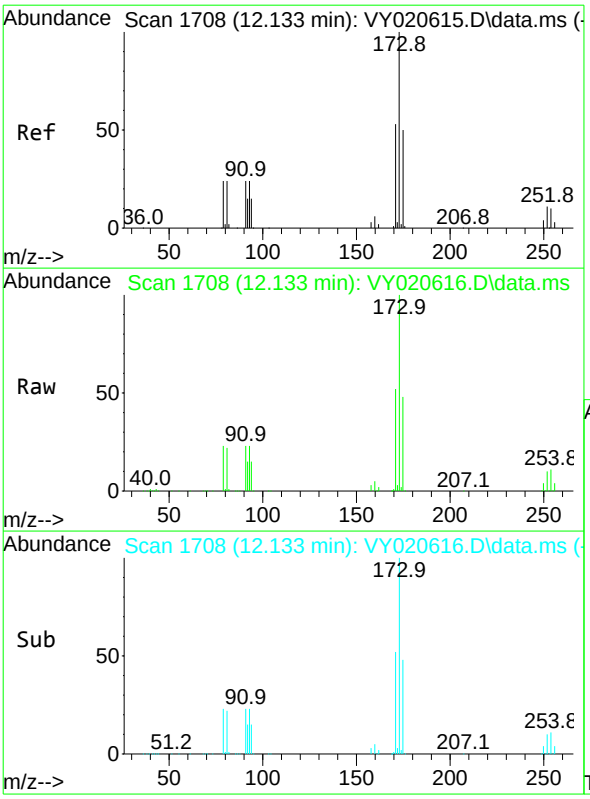
Supervised By :Semsettin Yesilyurt 12/18/2024



#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

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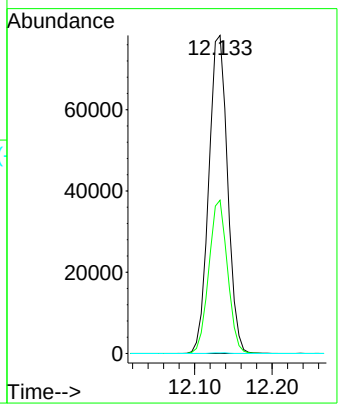
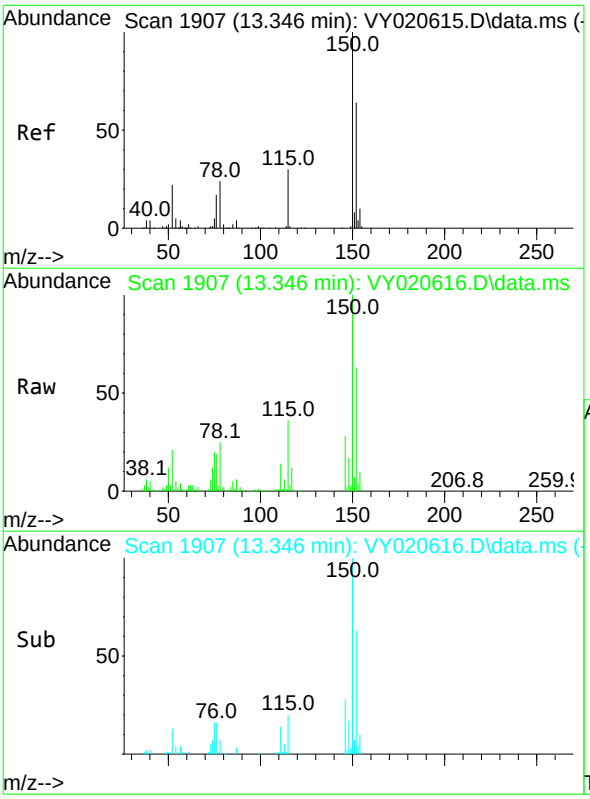
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

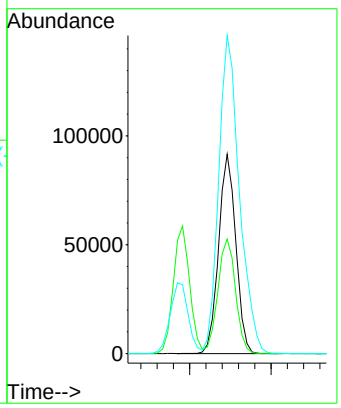


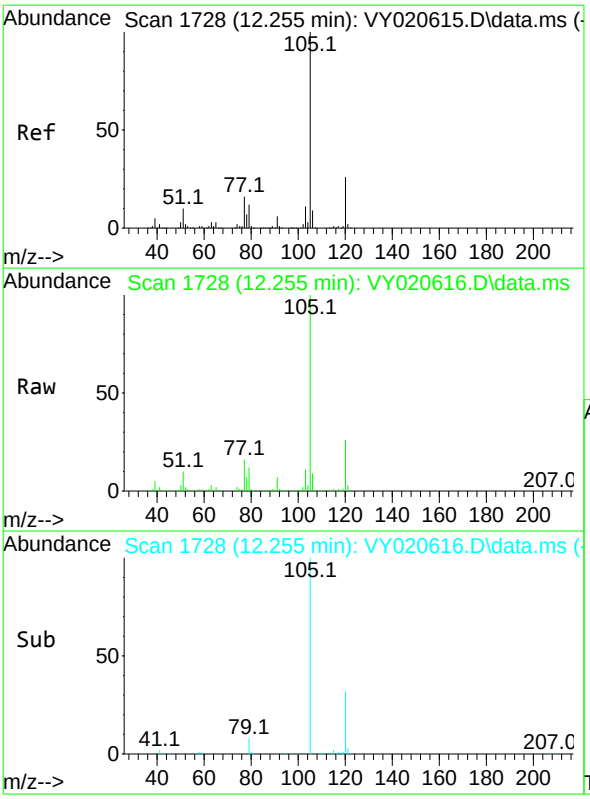


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

Manual Integrations
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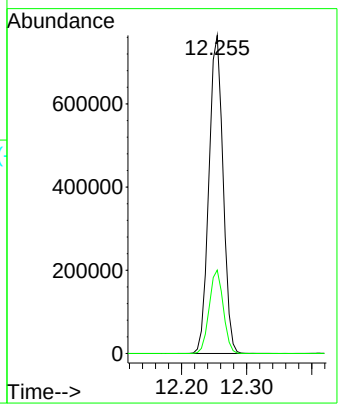
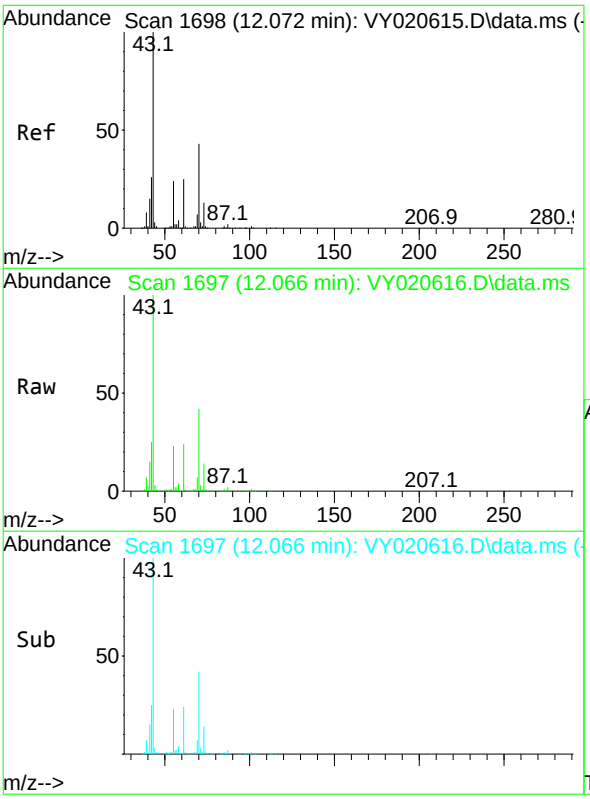
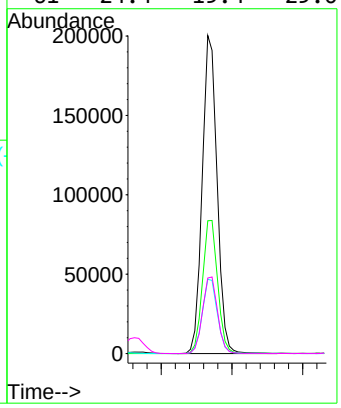


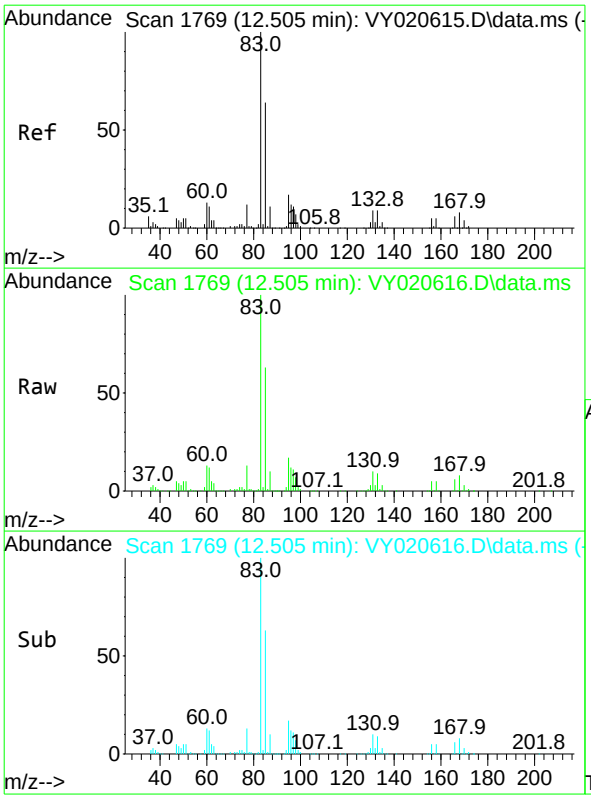


#74
N-amyl acetate
Concen: 106.582 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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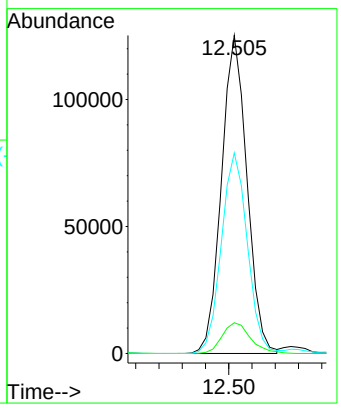
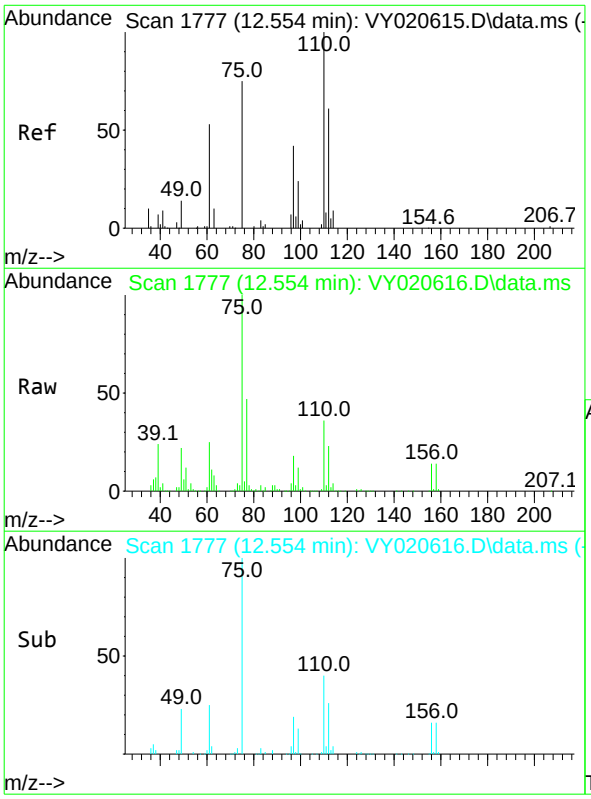
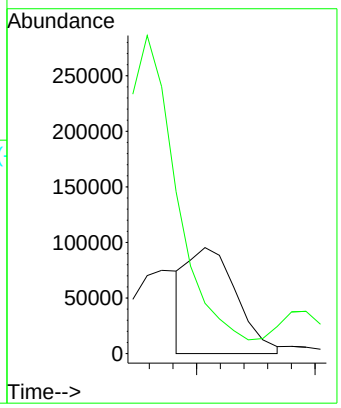


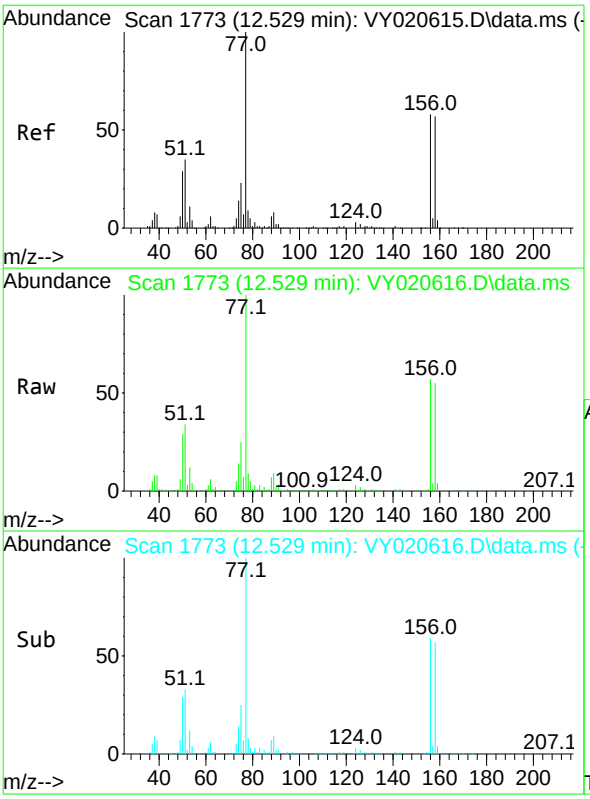


#76
1,2,3-Trichloropropane
Concen: 99.183 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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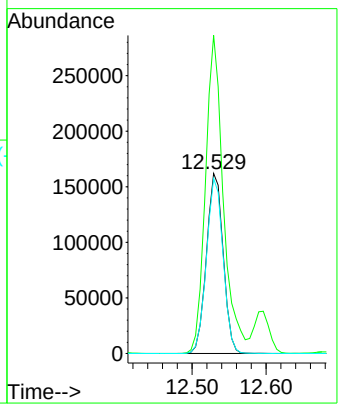
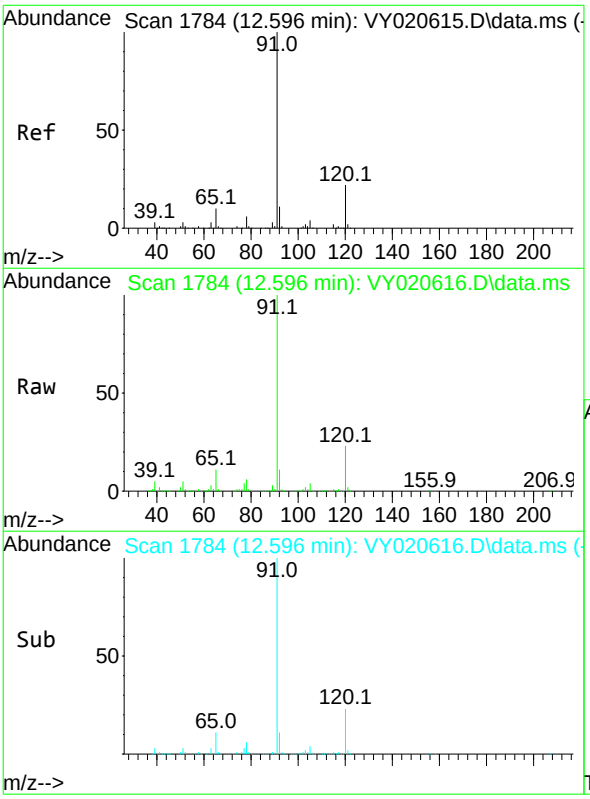
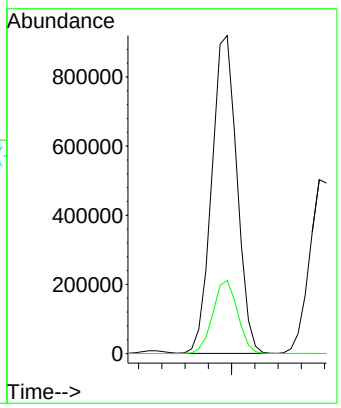


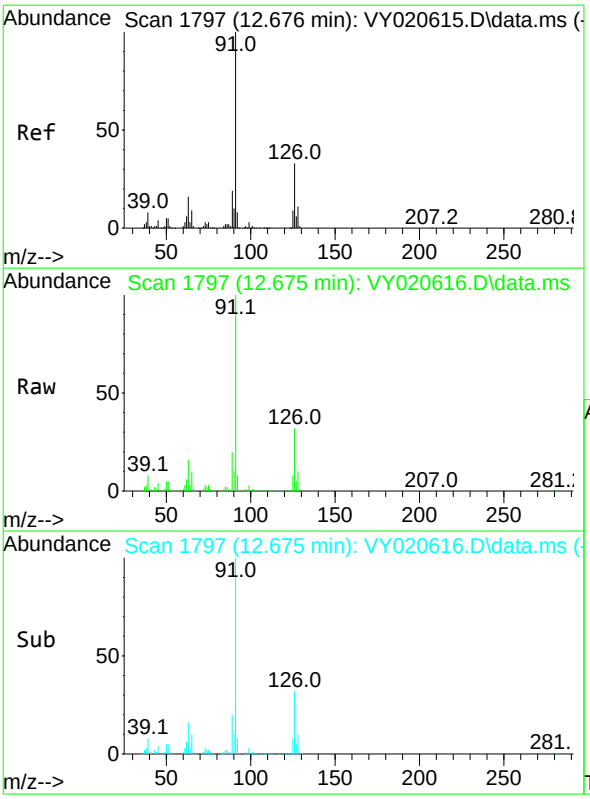


#78
n-propylbenzene
Concen: 97.980 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

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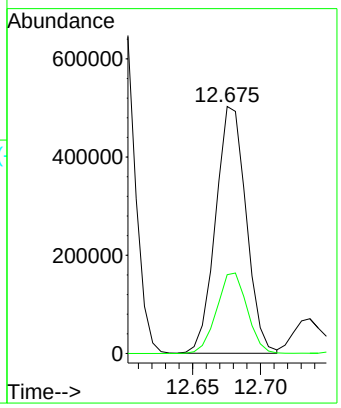
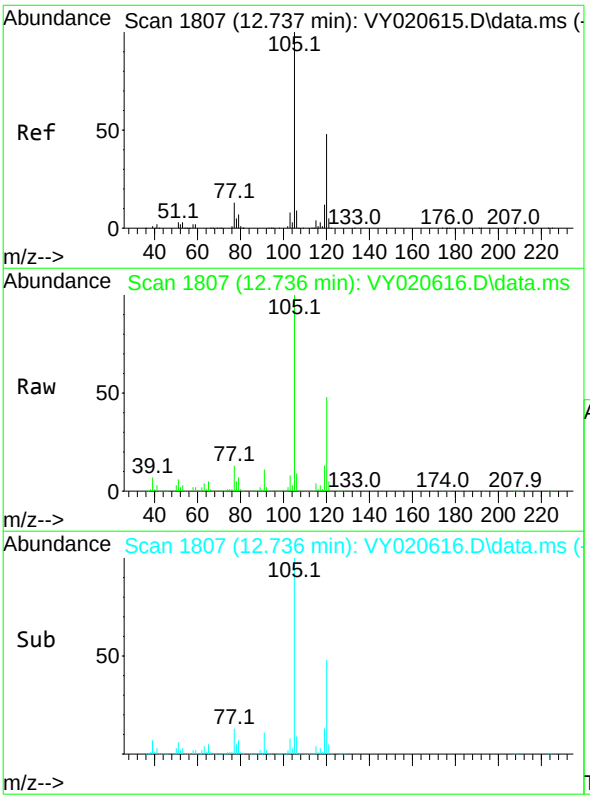
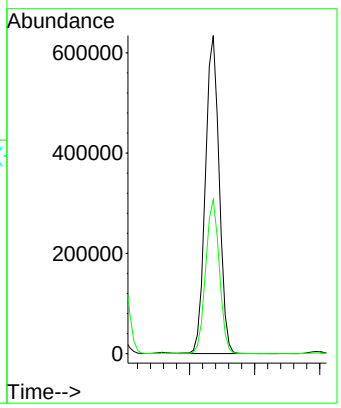


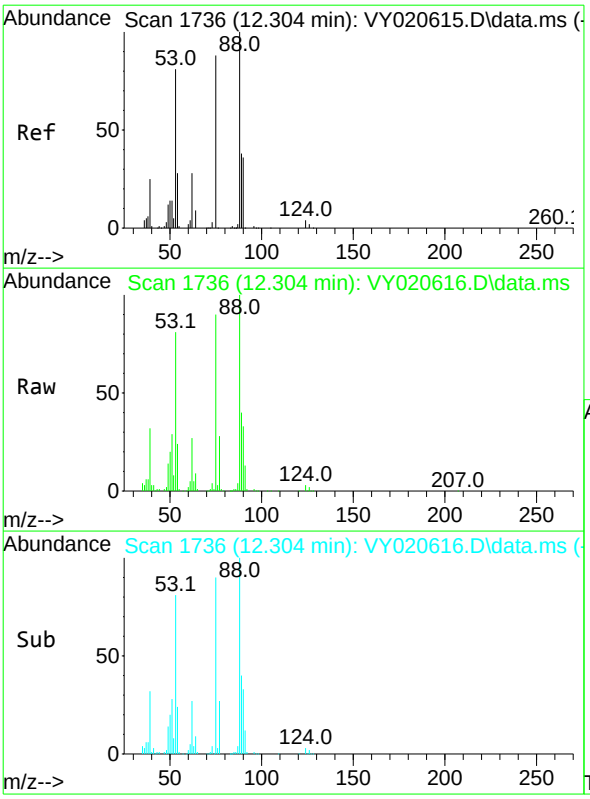


#80
1,3,5-Trimethylbenzene
Concen: 98.108 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 933106

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7

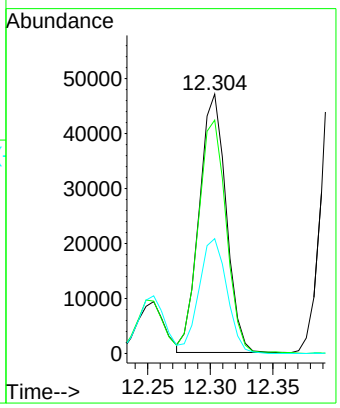




#81
trans-1,4-Dichloro-2-butene
Concen: 105.852 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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
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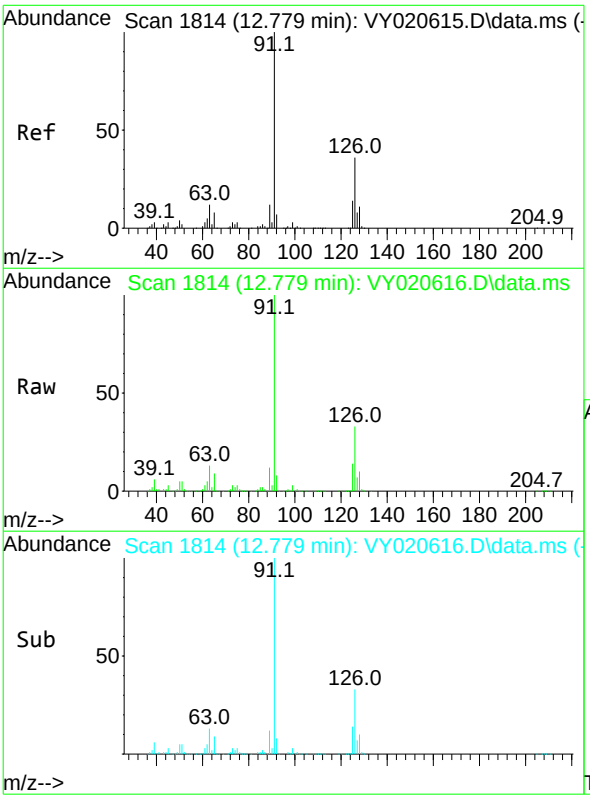
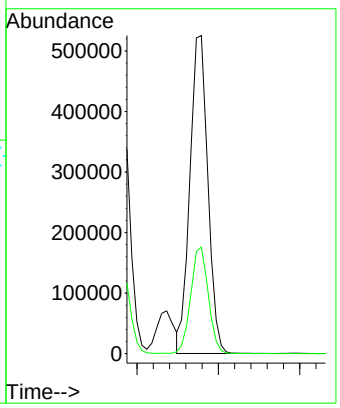
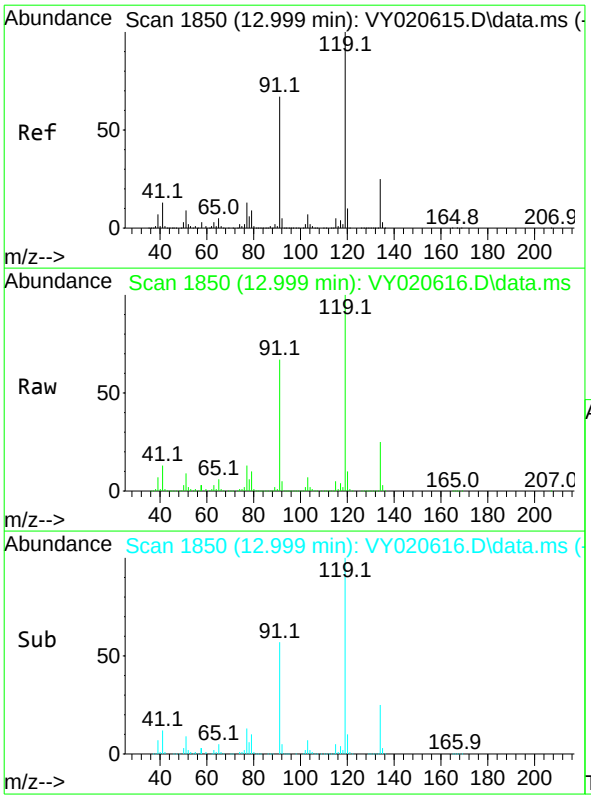


#82
4-Chlorotoluene
Concen: 97.558 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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
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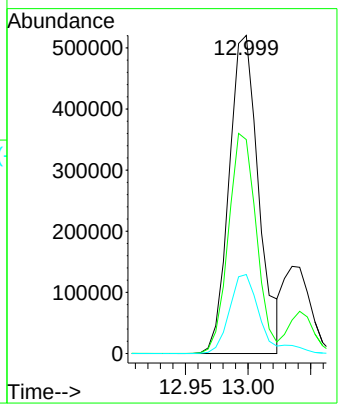
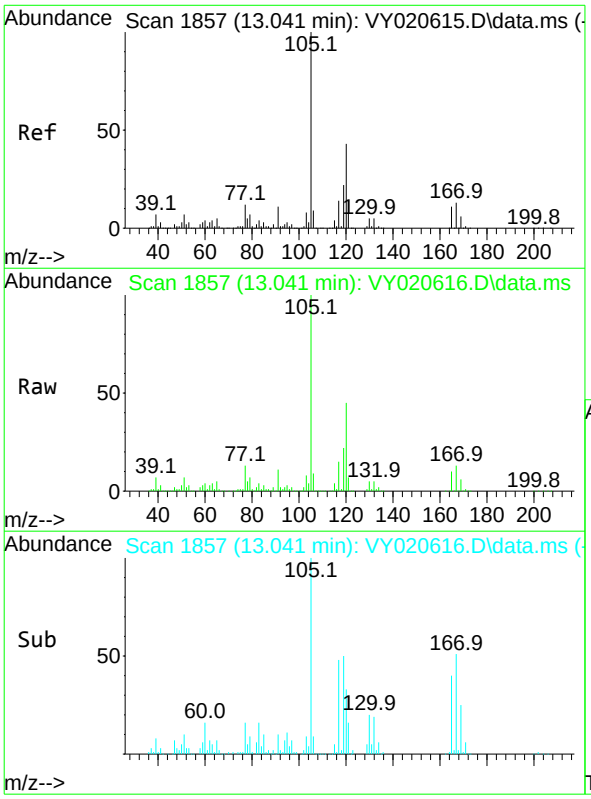
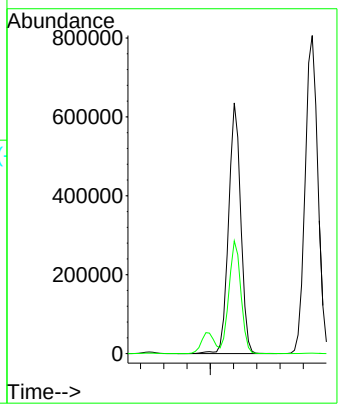


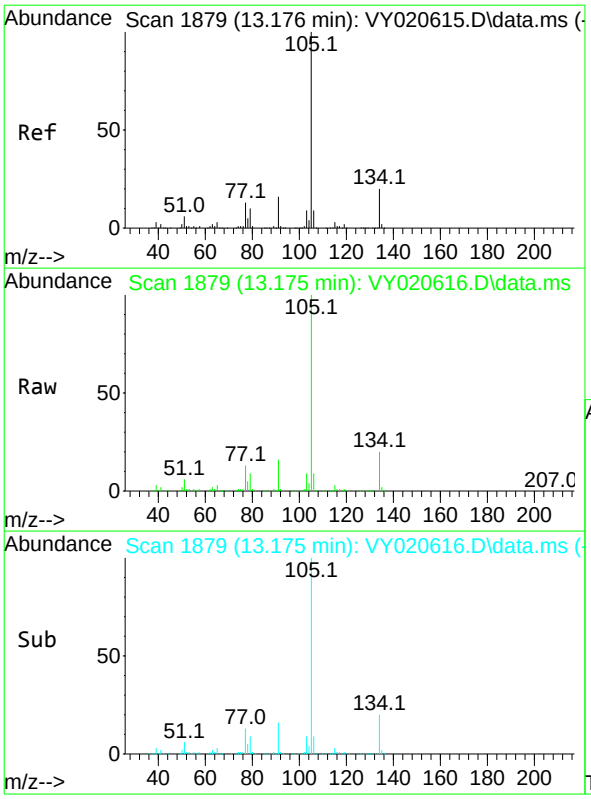


#84
1,2,4-Trimethylbenzene
Concen: 98.727 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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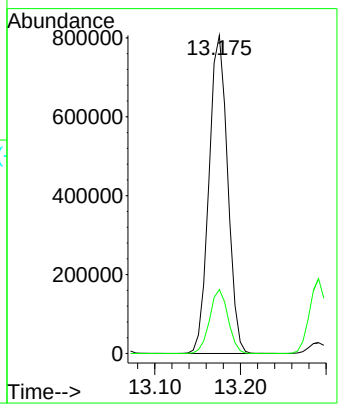
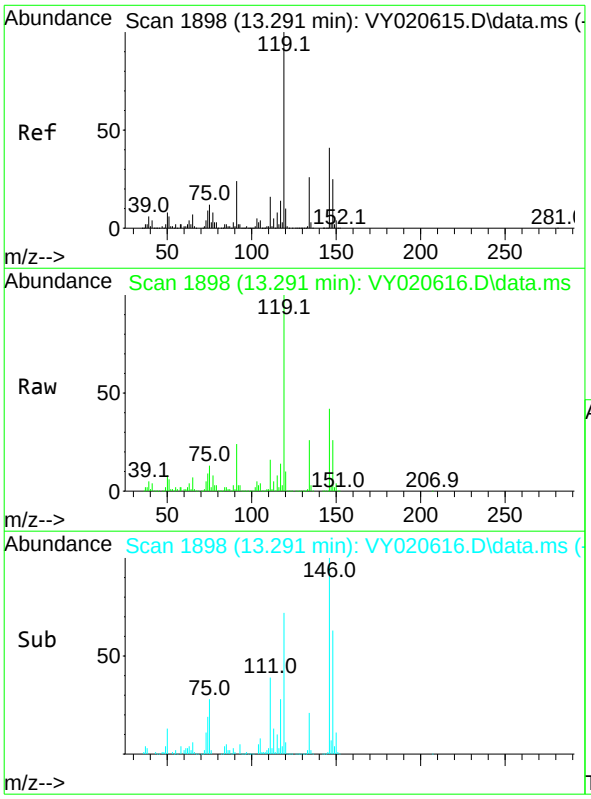
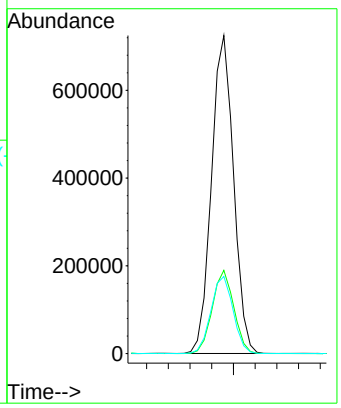


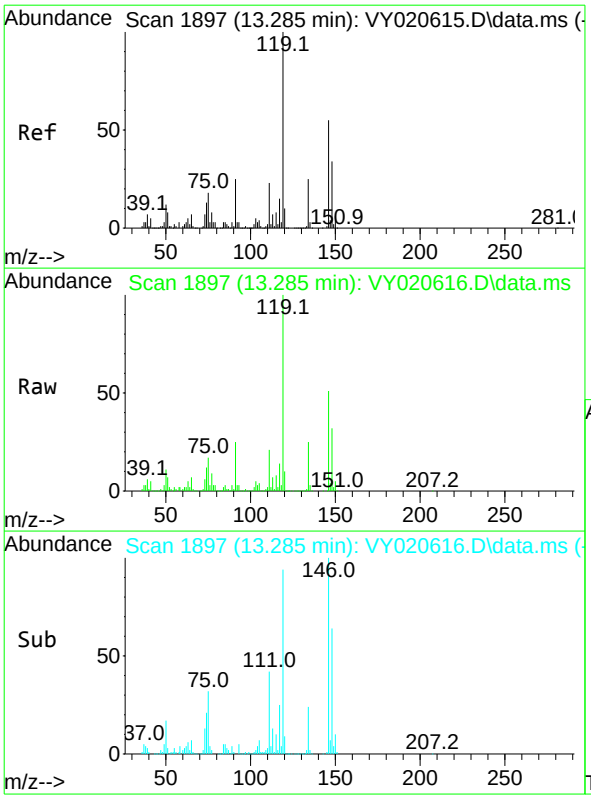


#86
p-Isopropyltoluene
Concen: 99.089 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

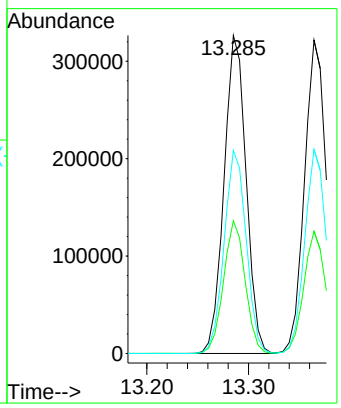




#87
1,3-Dichlorobenzene
Concen: 97.633 ug/l
RT: 13.285 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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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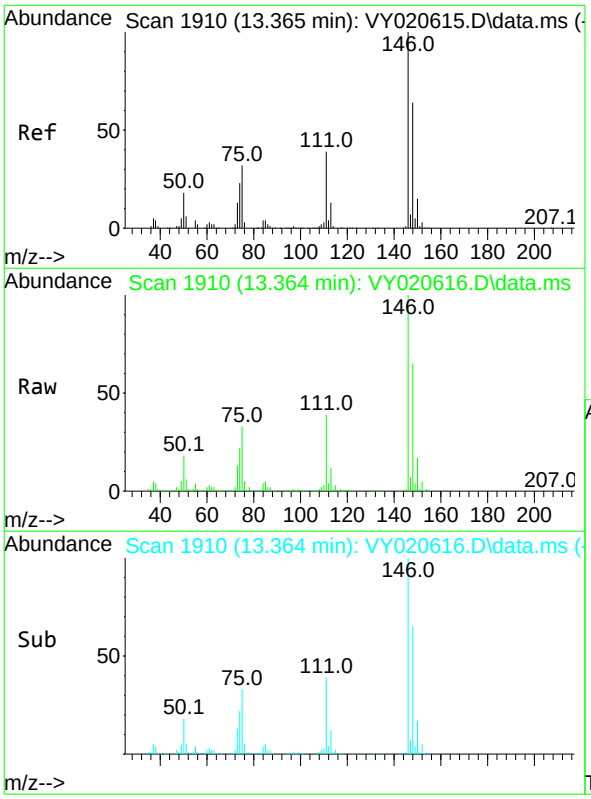
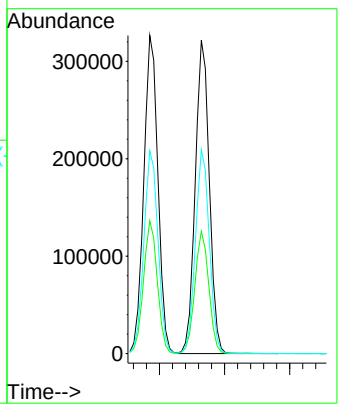
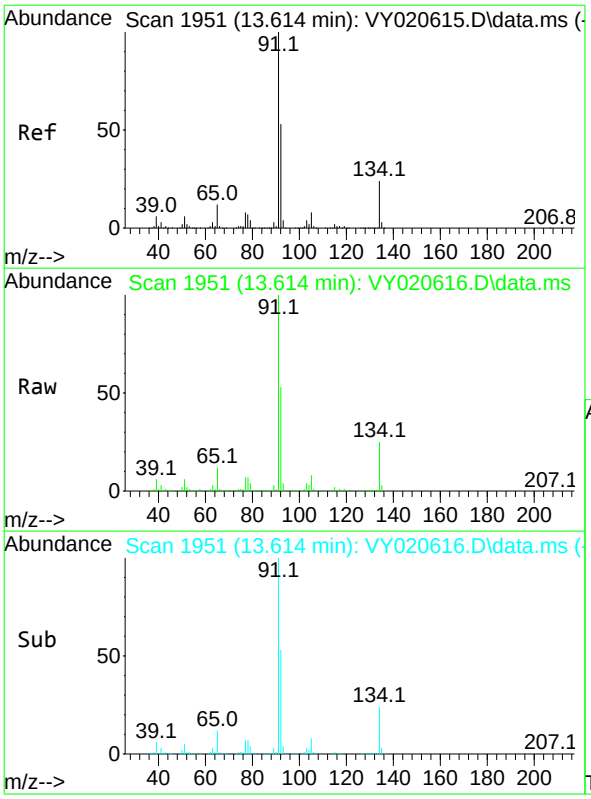


#88
1,4-Dichlorobenzene
Concen: 96.707 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

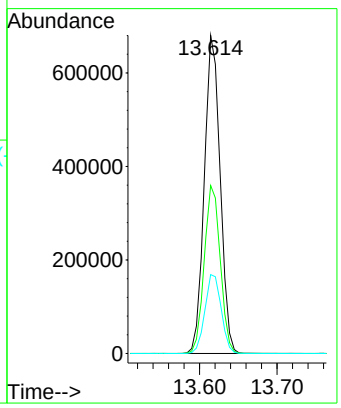




#89
n-Butylbenzene
Concen: 98.789 ug/l
RT: 13.614 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 966758

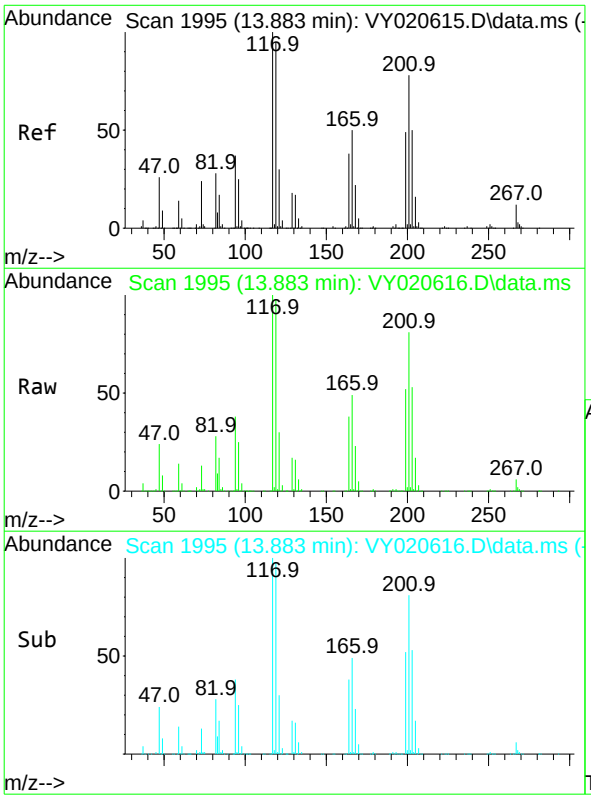
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	25.5	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

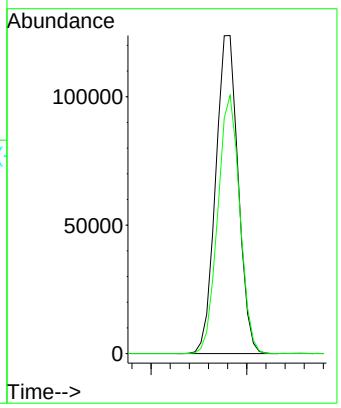
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

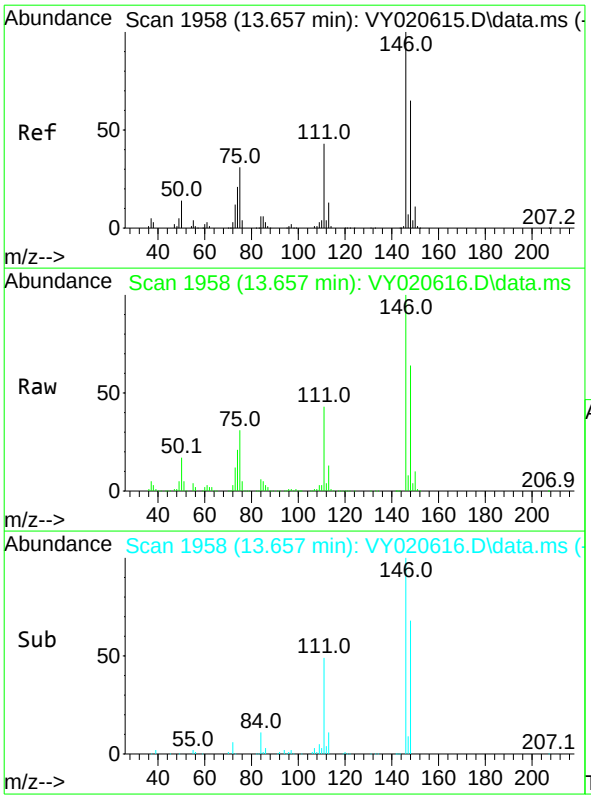


#90
Hexachloroethane
Concen: 98.910 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 202399

Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.1	117.3

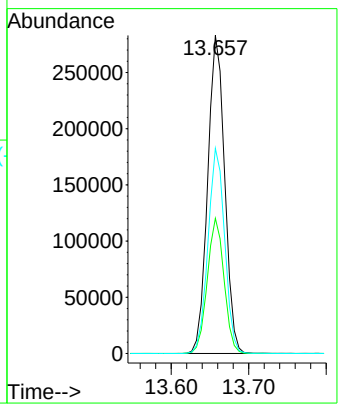




#91
1,2-Dichlorobenzene
Concen: 98.552 ug/l
RT: 13.657 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:146 Resp: 430383

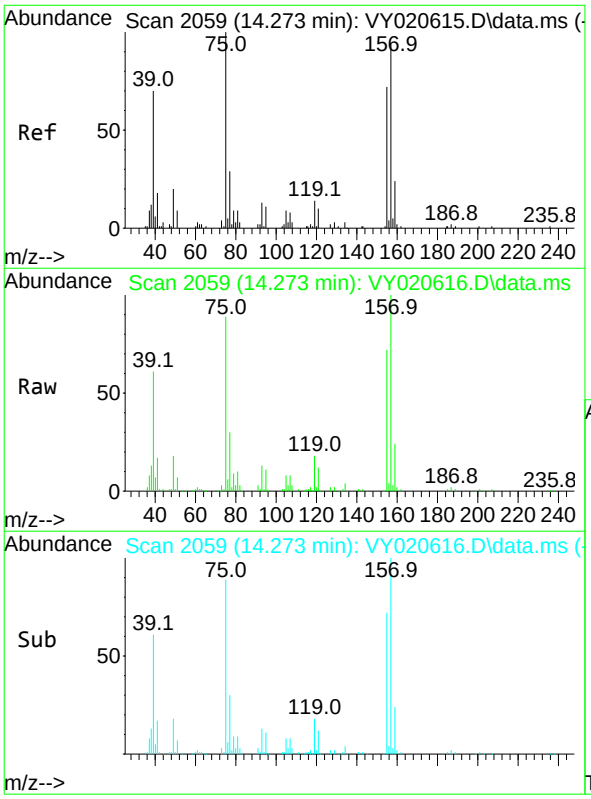
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

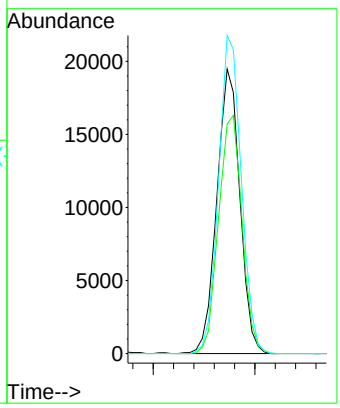
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

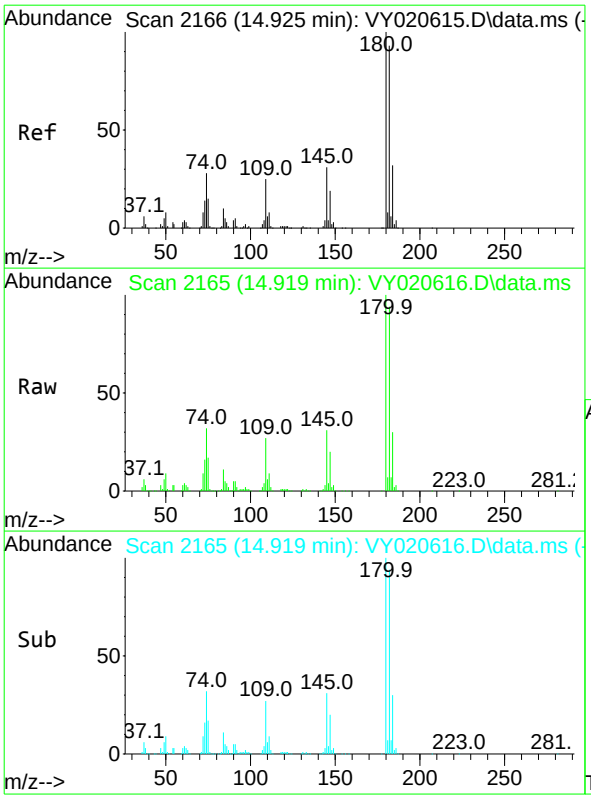


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.008 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

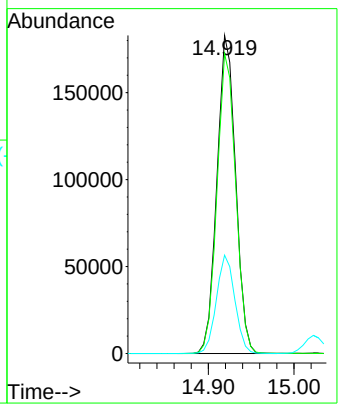




#93
1,2,4-Trichlorobenzene
Concen: 104.790 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:180 Resp: 276806

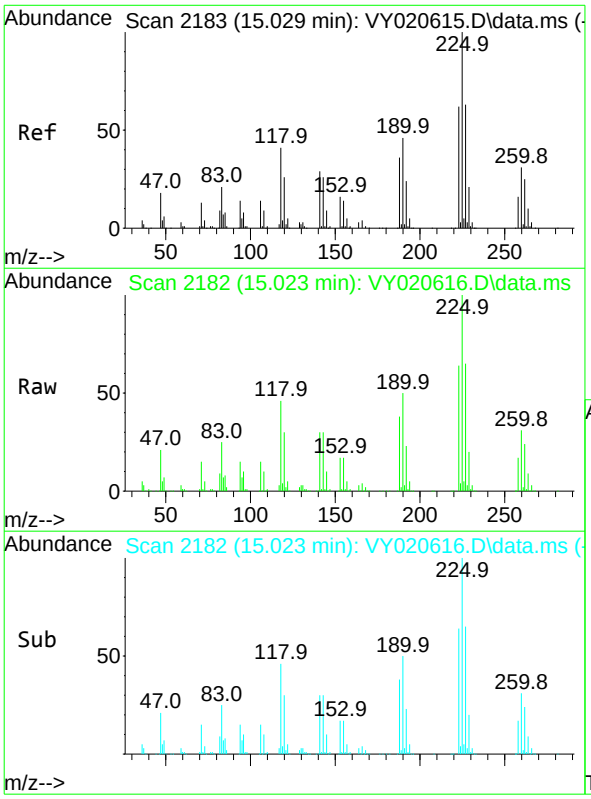
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	30.6	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

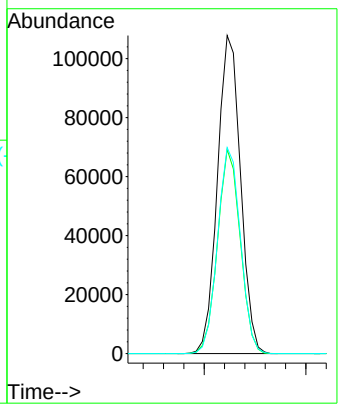
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

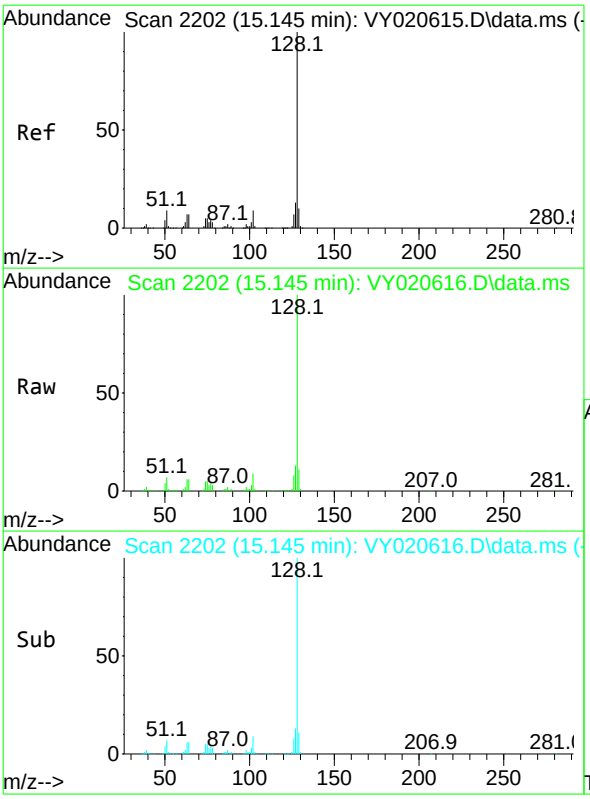


#94
Hexachlorobutadiene
Concen: 98.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

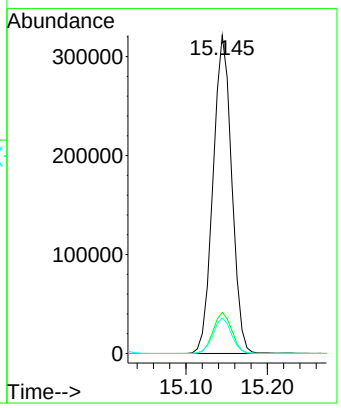




#95
Naphthalene
Concen: 113.046 ug/l
RT: 15.145 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:128 Resp: 511948

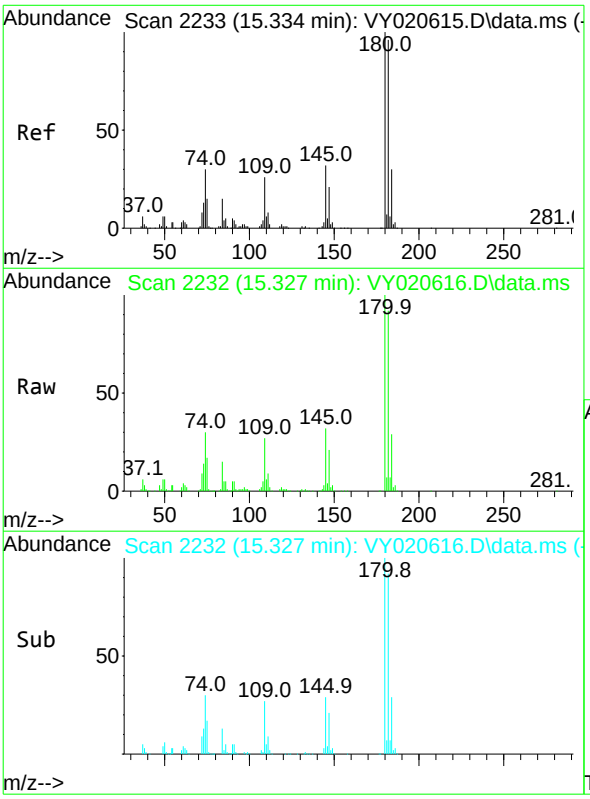
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

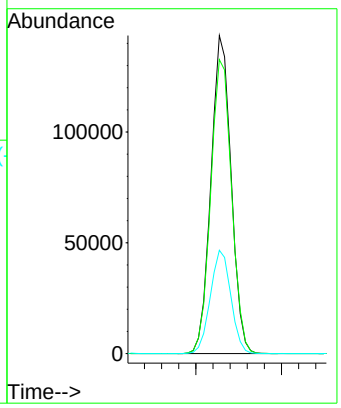
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#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

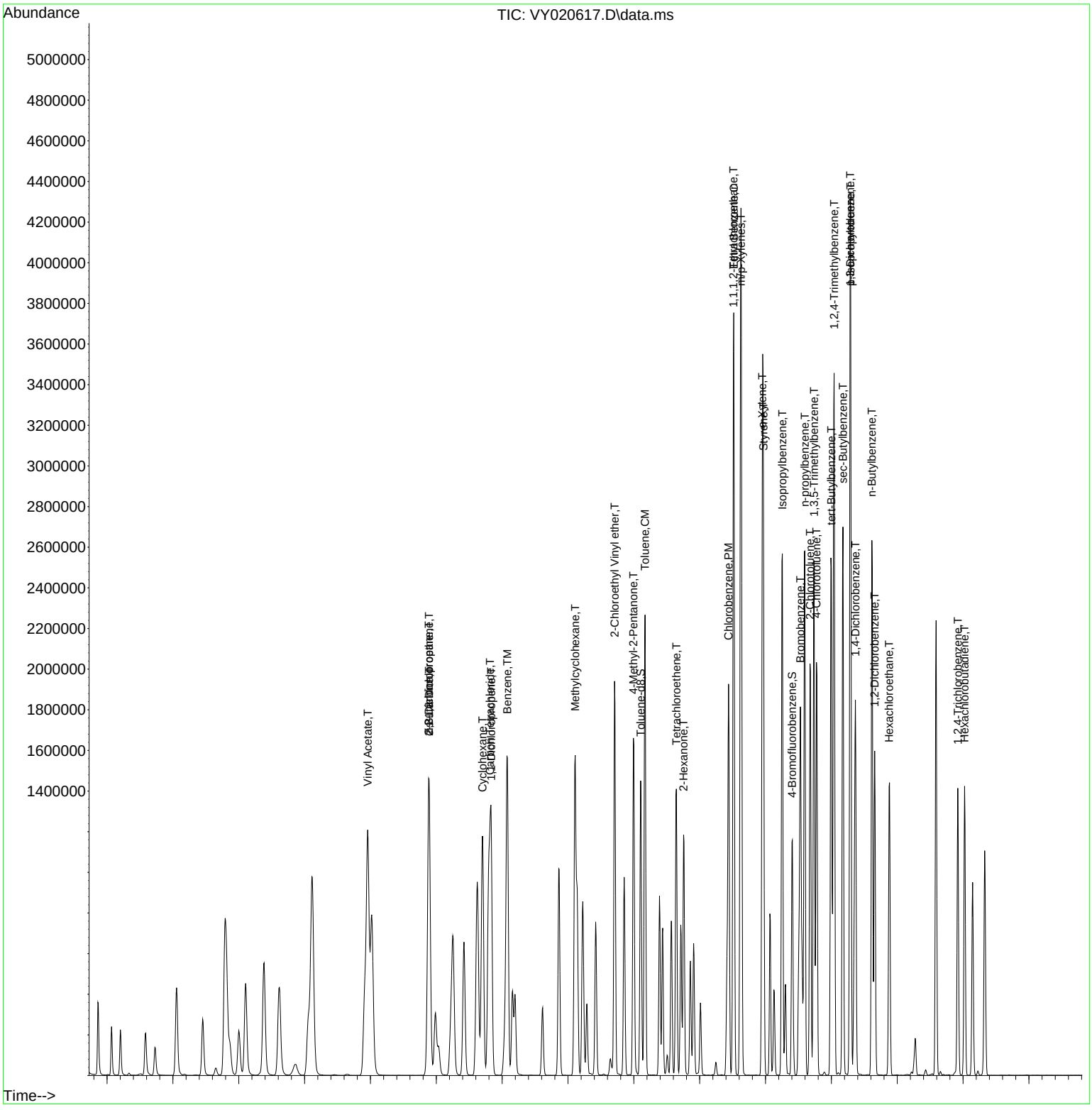
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

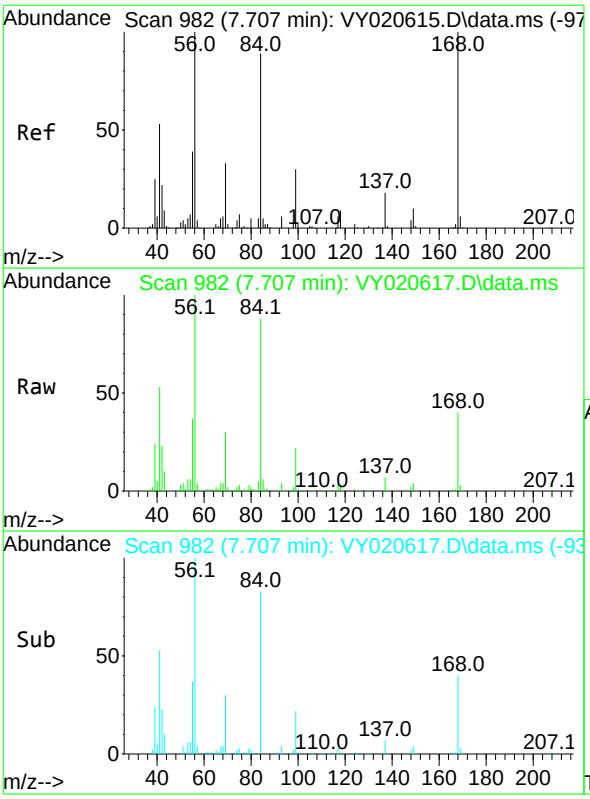
Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

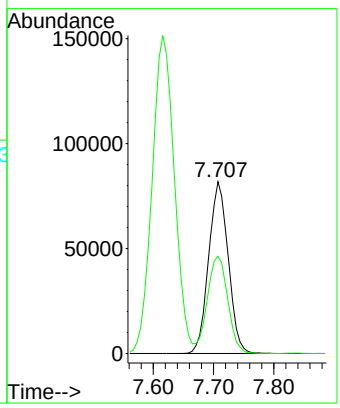




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:168 Resp: 184362

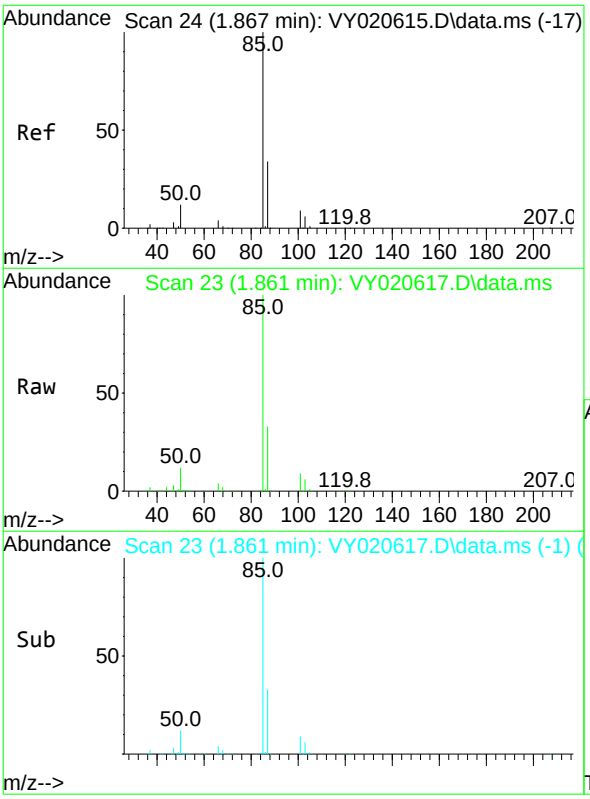
Ion	Ratio	Lower	Upper
168	100		
99	56.5	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

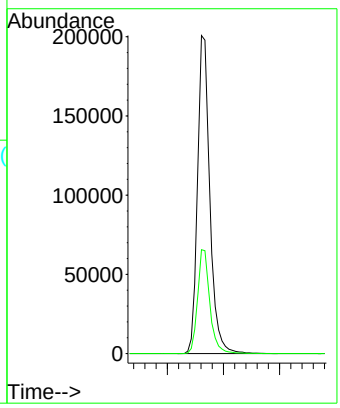
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

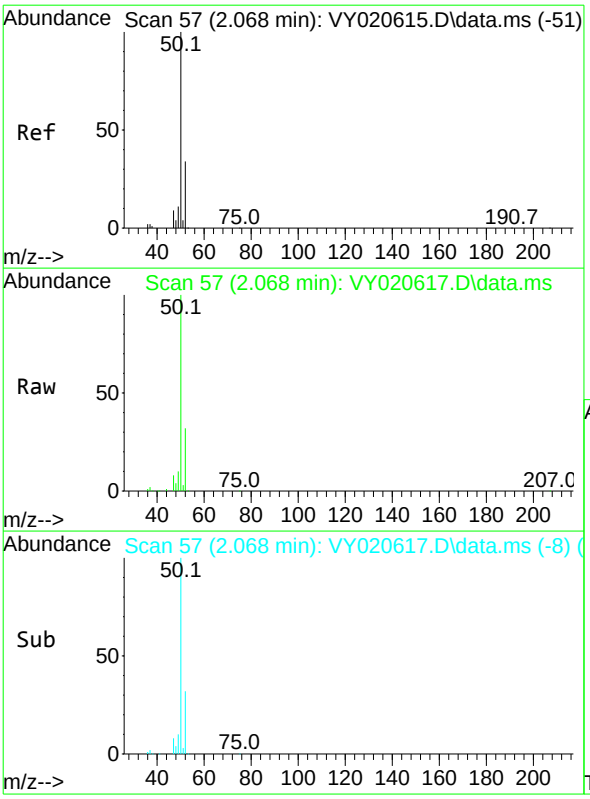


#2
Dichlorodifluoromethane
Concen: 132.646 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 85 Resp: 305452

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3

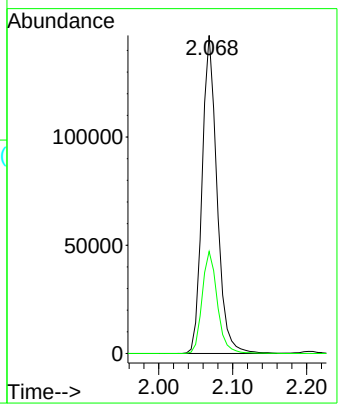




#3
Chloromethane
Concen: 120.474 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 50 Resp: 205555

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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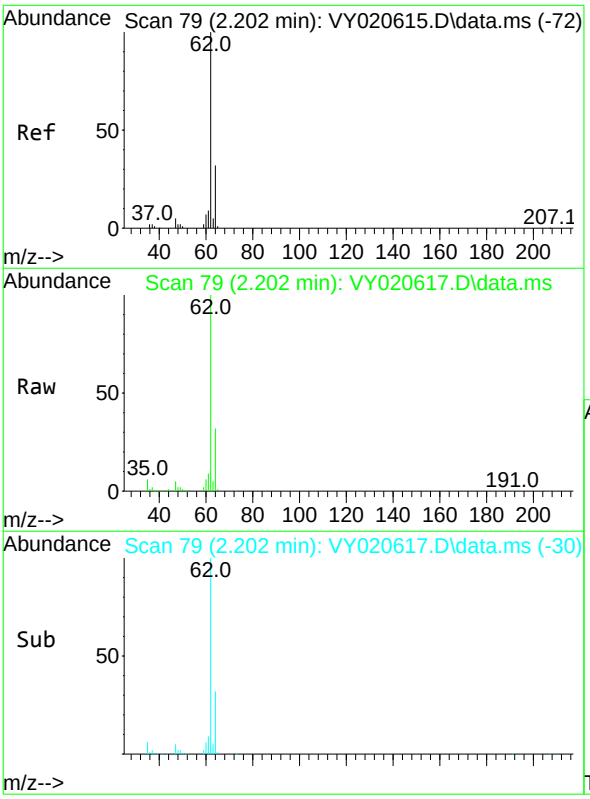
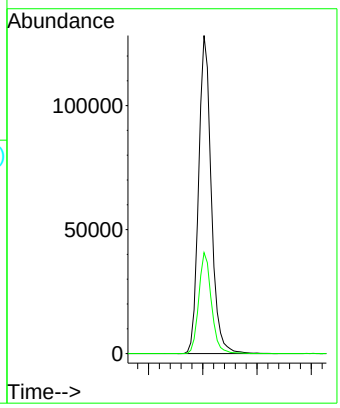
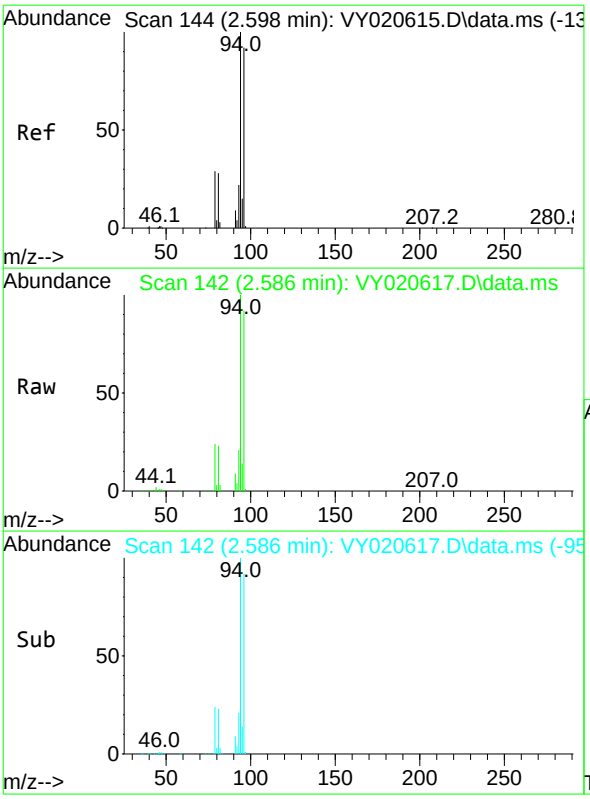


#4
Vinyl Chloride
Concen: 130.199 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 206764

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9

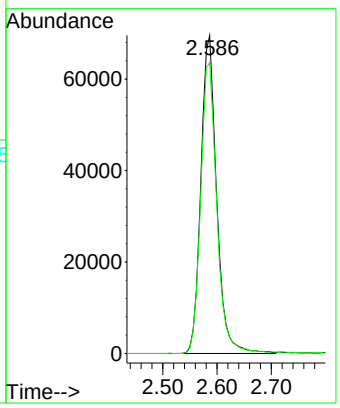




#5
Bromomethane
Concen: 137.550 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 94 Resp: 140413

Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.8	110.6



Instrument :
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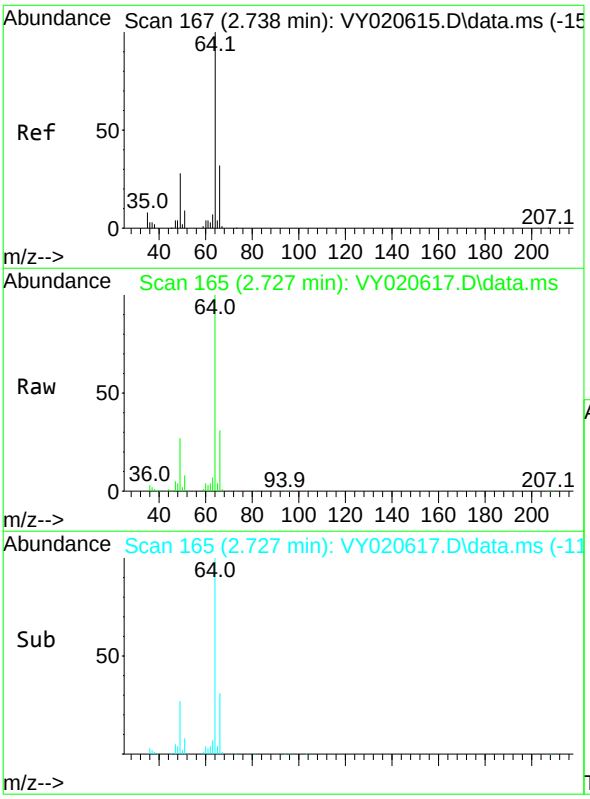
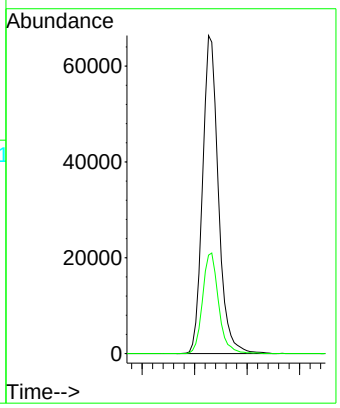
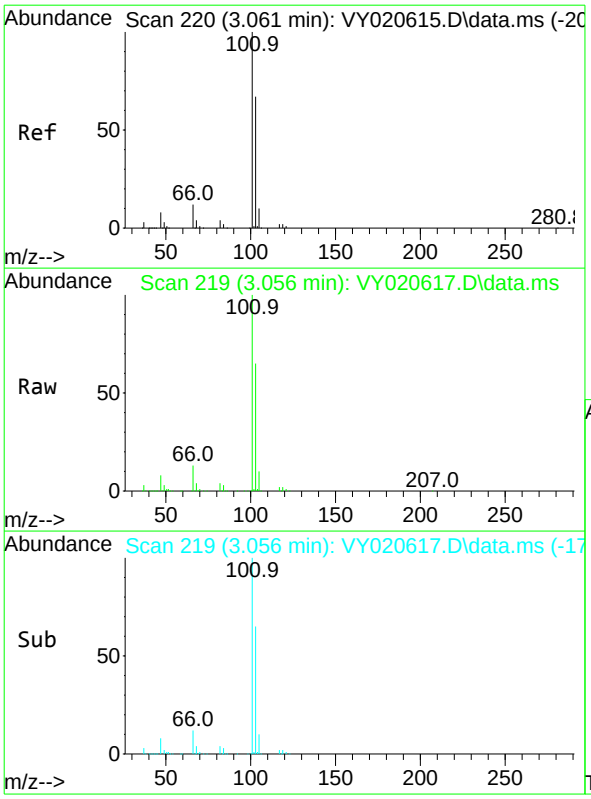


#6
Chloroethane
Concen: 141.459 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 64 Resp: 138821

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6

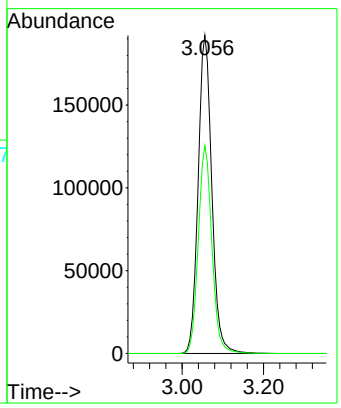




#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:101 Resp: 447890

Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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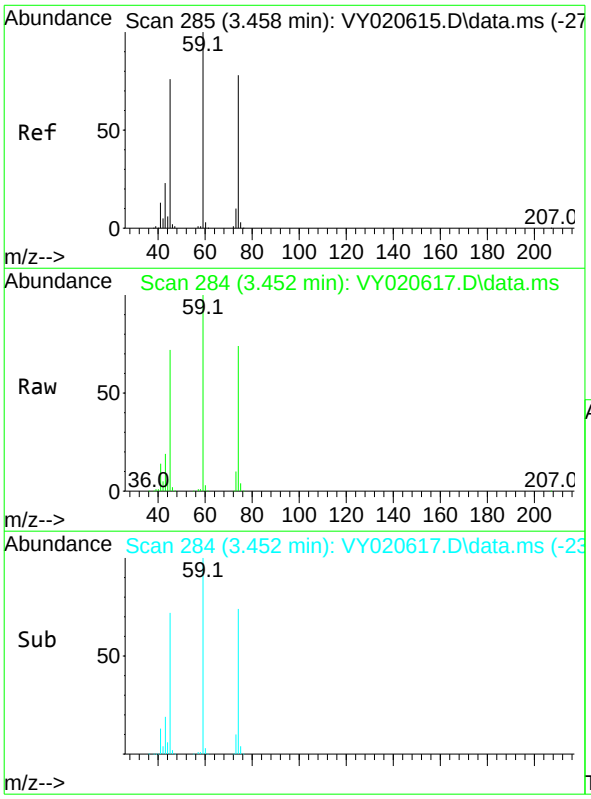
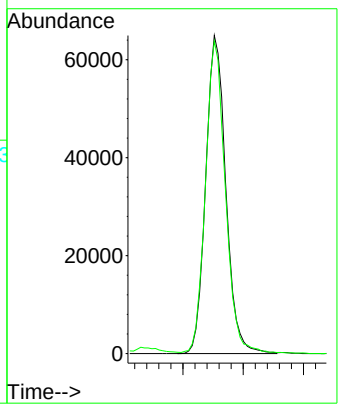
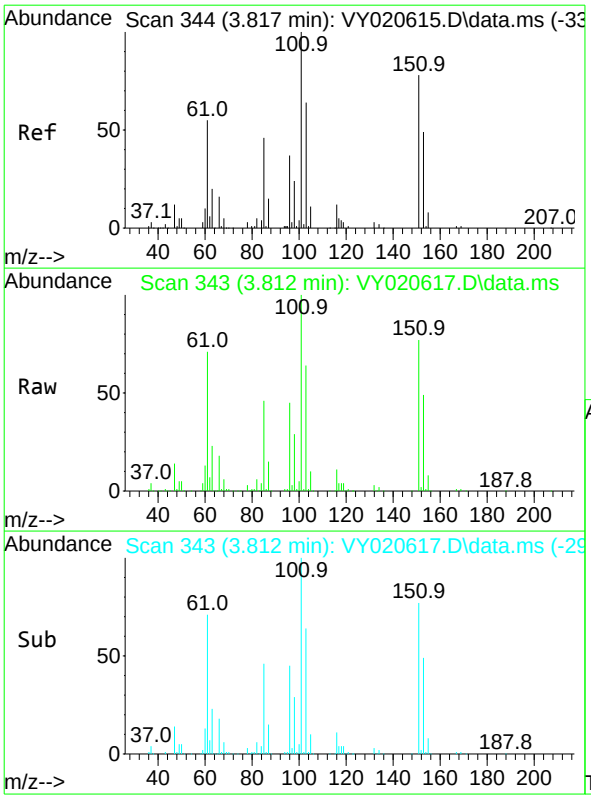


#8
Diethyl Ether
Concen: 129.035 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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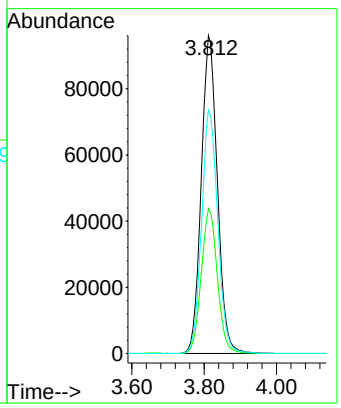
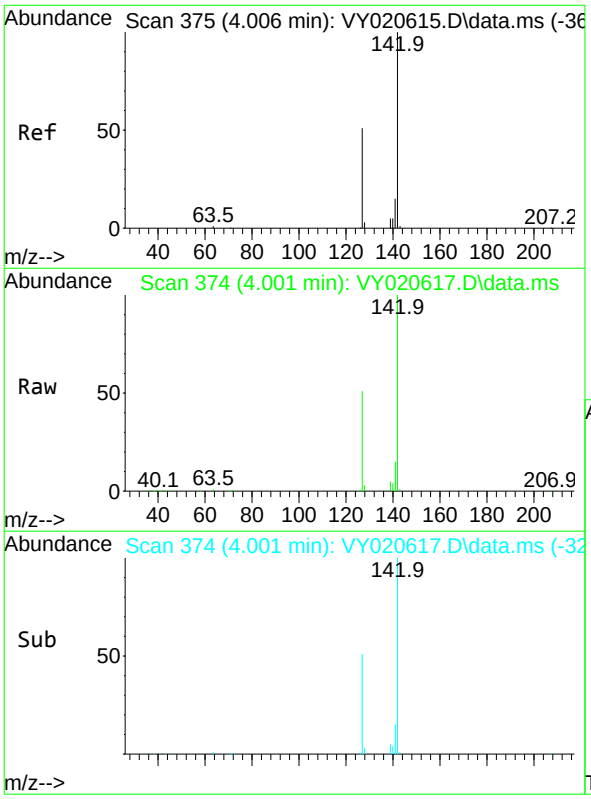
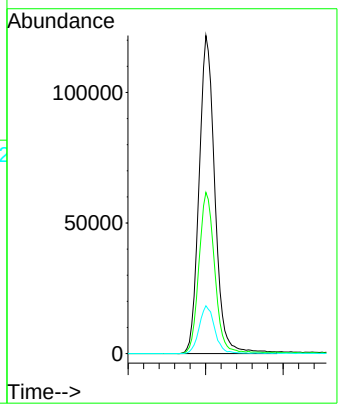


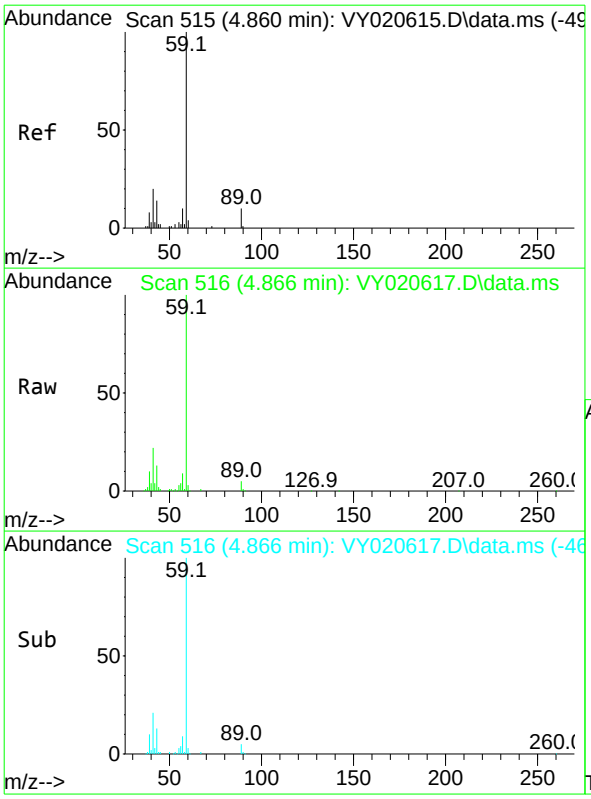


#10
Methyl Iodide
Concen: 130.361 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.005 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

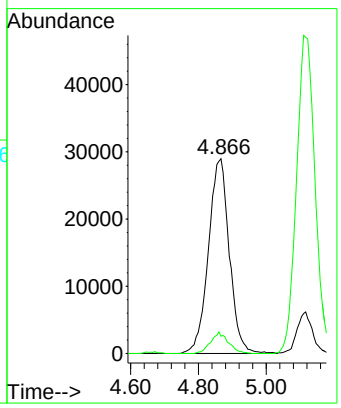




#11
Tert butyl alcohol
Concen: 737.397 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 59 Resp: 123878

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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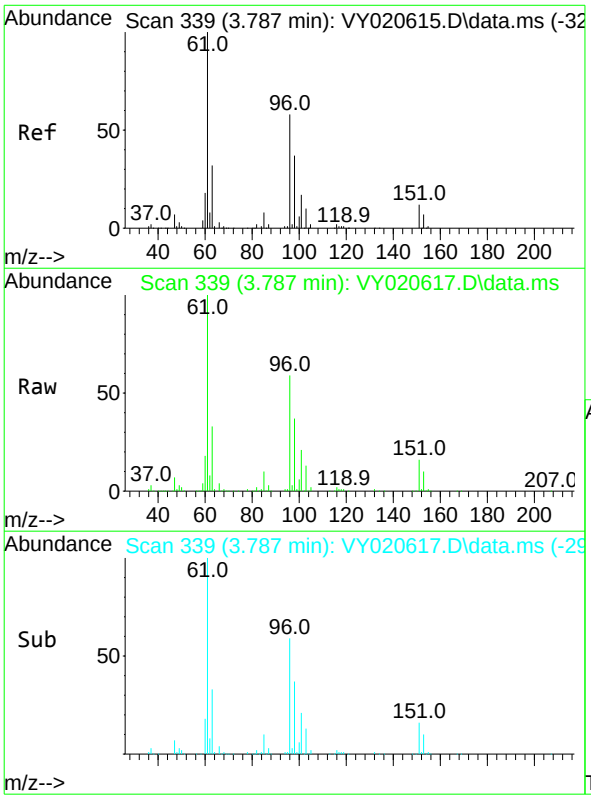
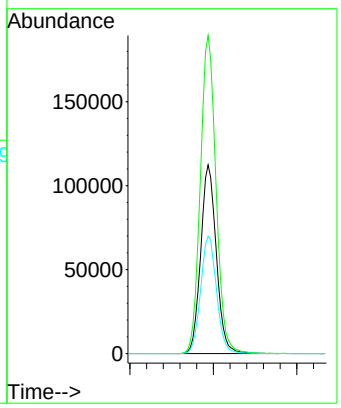
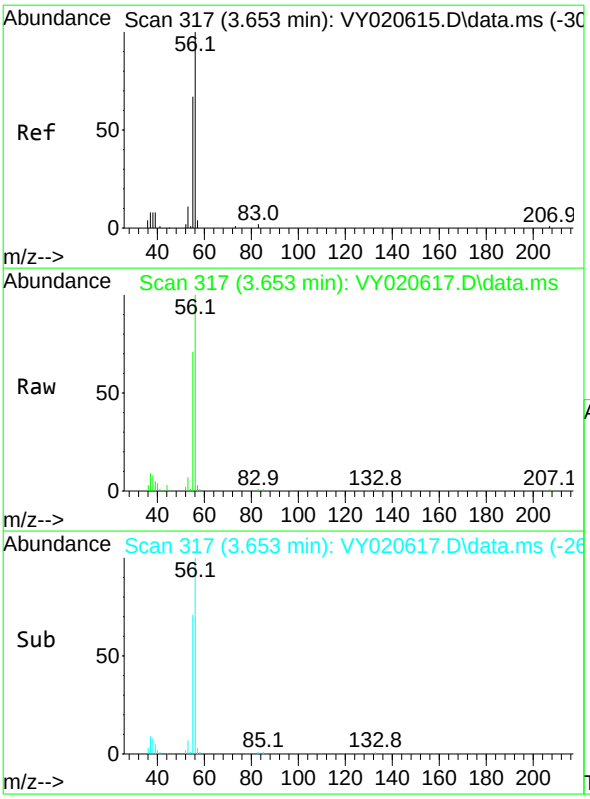


#12
1,1-Dichloroethene
Concen: 126.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

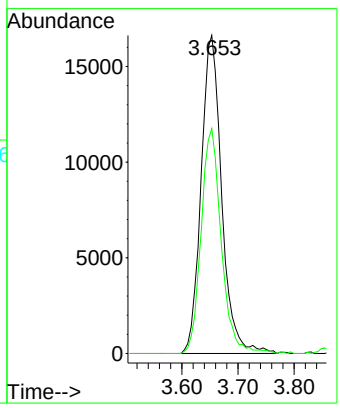




#13
Acrolein
Concen: 442.848 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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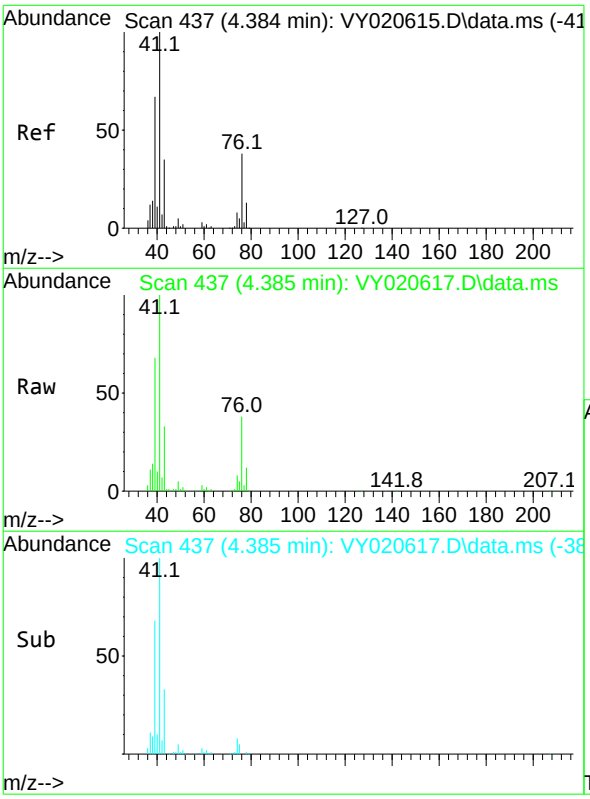
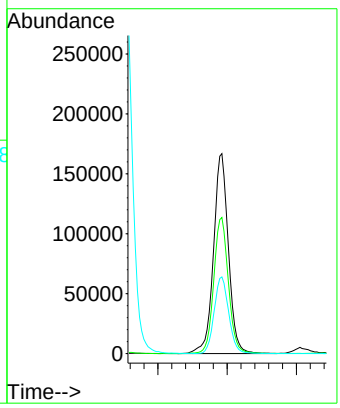
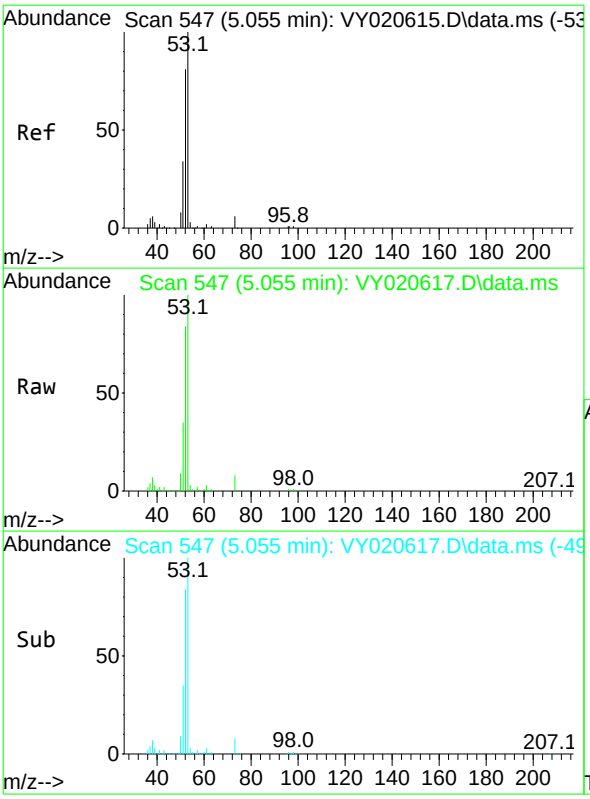


#14
Allyl chloride
Concen: 123.037 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

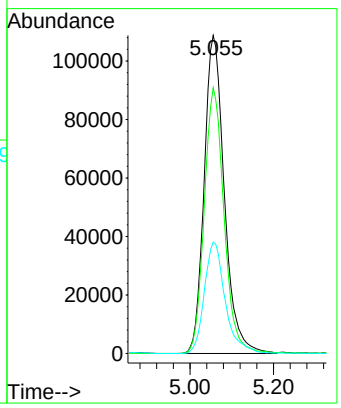




#15
Acrylonitrile
Concen: 655.216 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



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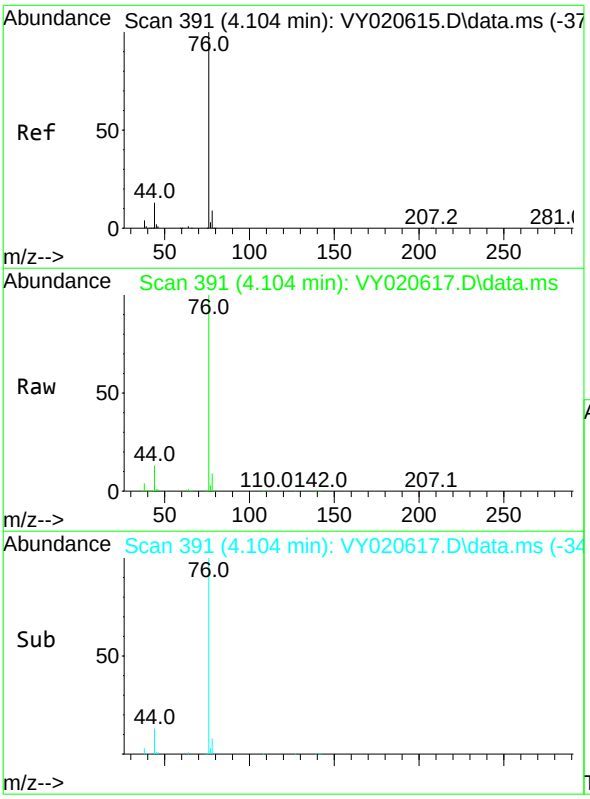
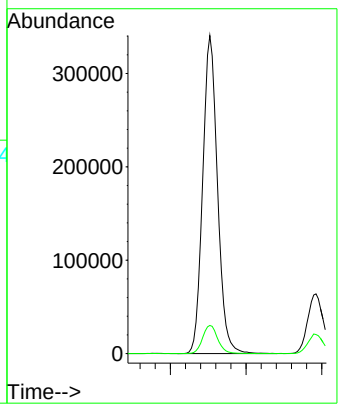
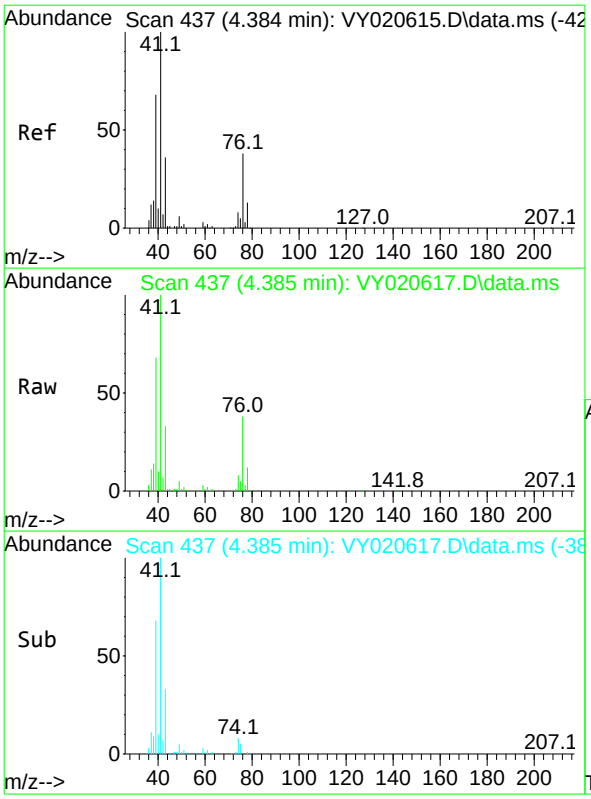


#17
Carbon Disulfide
Concen: 122.748 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 76 Resp: 923365

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

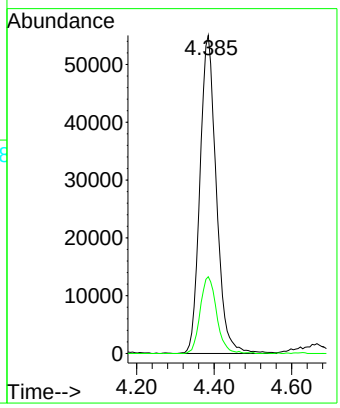




#18
Methyl Acetate
Concen: 117.584 ug/l
RT: 4.385 min Scan# 43
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 161535

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



Instrument :
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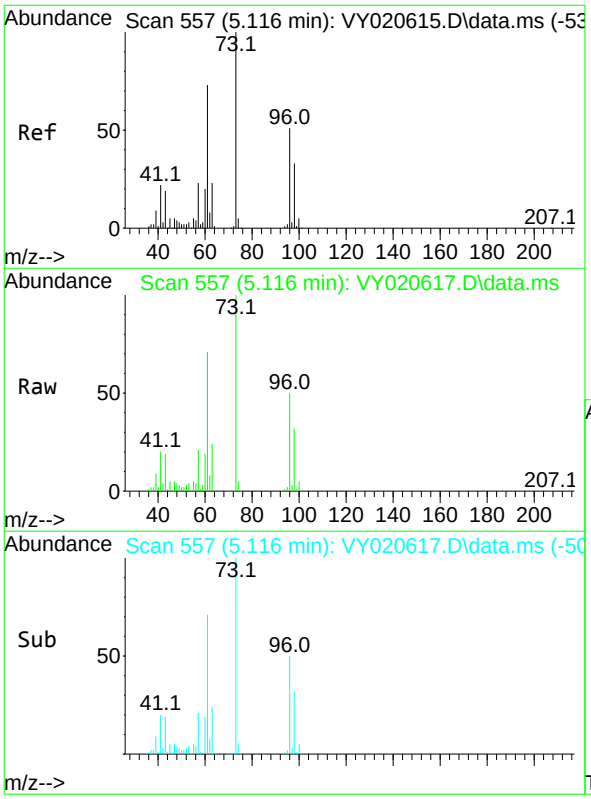
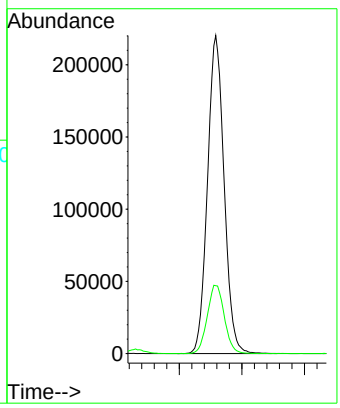
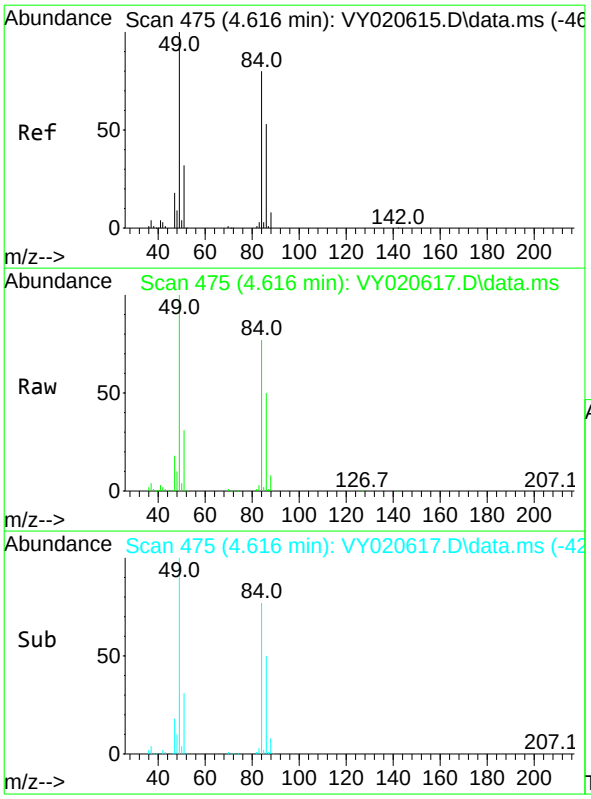


#19
Methyl tert-butyl Ether
Concen: 135.895 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 73 Resp: 810589

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

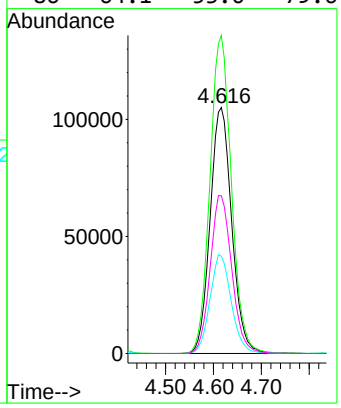




#20
Methylene Chloride
Concen: 131.394 ug/l
RT: 4.616 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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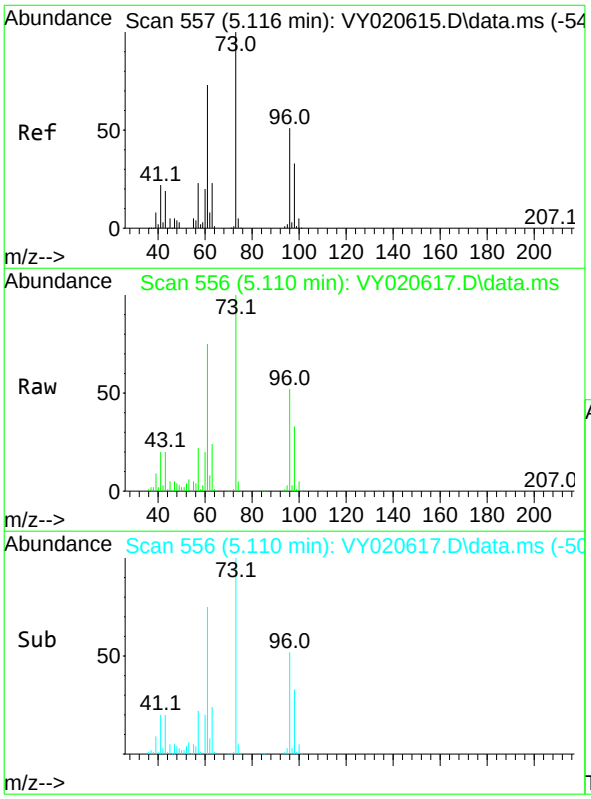
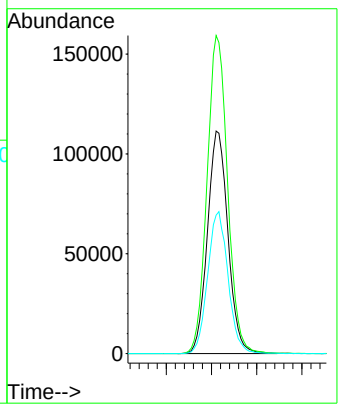
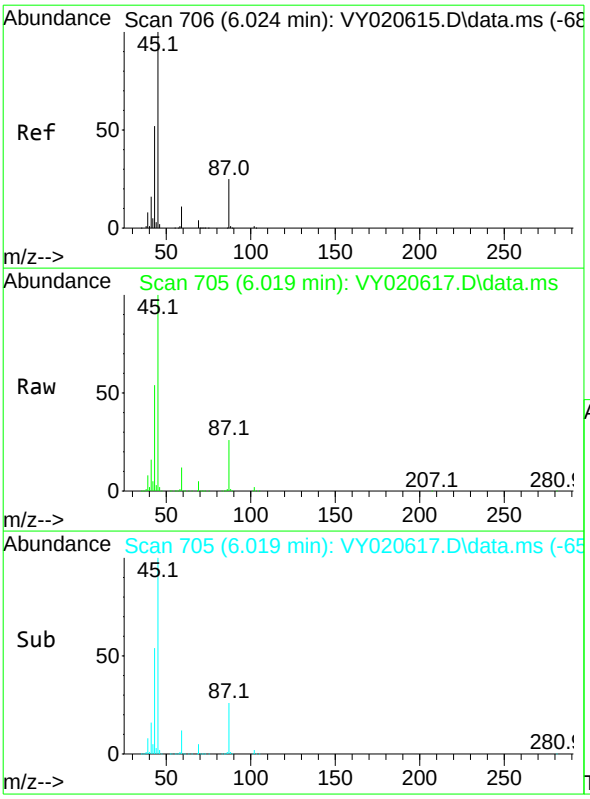


#21
trans-1,2-Dichloroethene
Concen: 135.586 ug/l
RT: 5.110 min Scan# 556
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

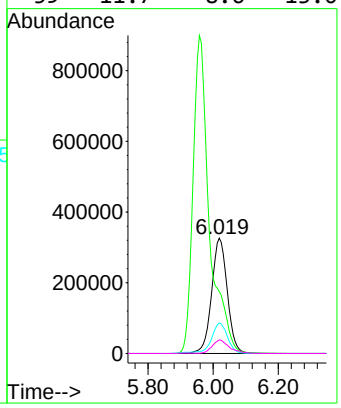




#22
Diisopropyl ether
Concen: 132.601 ug/l
RT: 6.019 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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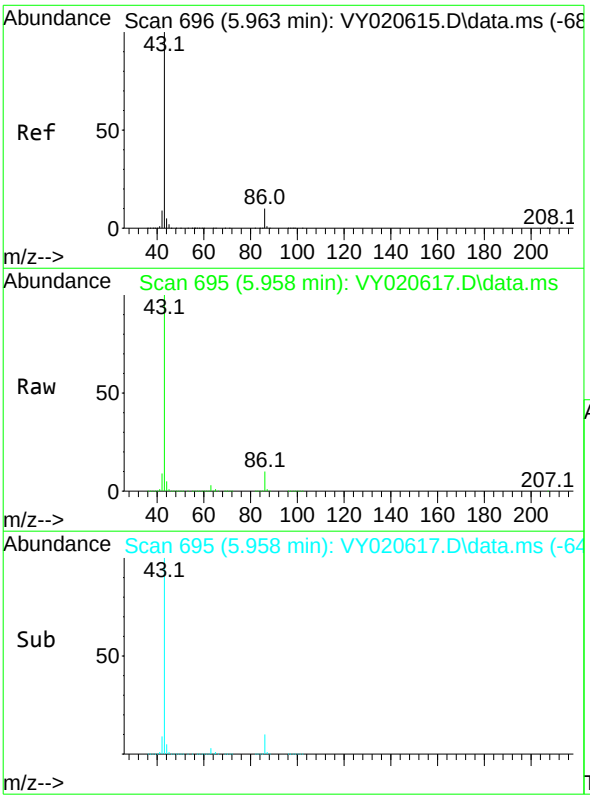
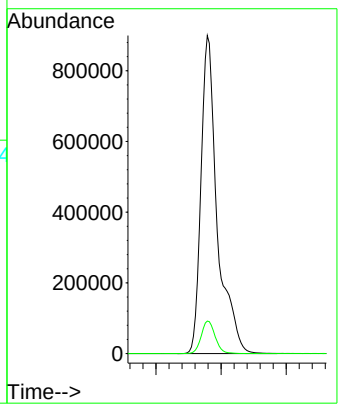
Supervised By :Semsettin Yesilyurt 12/18/2024

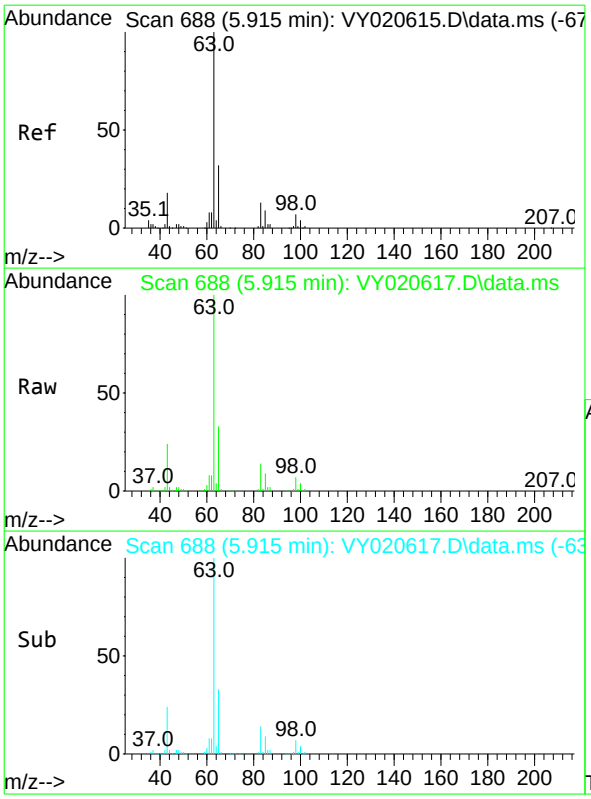


#23
Vinyl Acetate
Concen: 670.840 ug/l
RT: 5.958 min Scan# 695
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 3123065

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

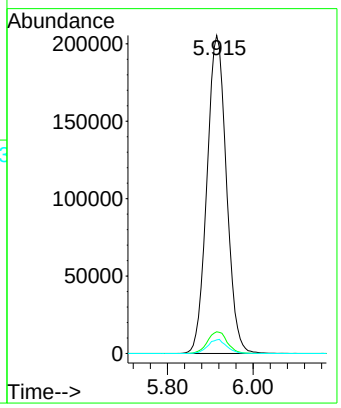




#24
1,1-Dichloroethane
Concen: 134.755 ug/l
RT: 5.915 min Scan# 68
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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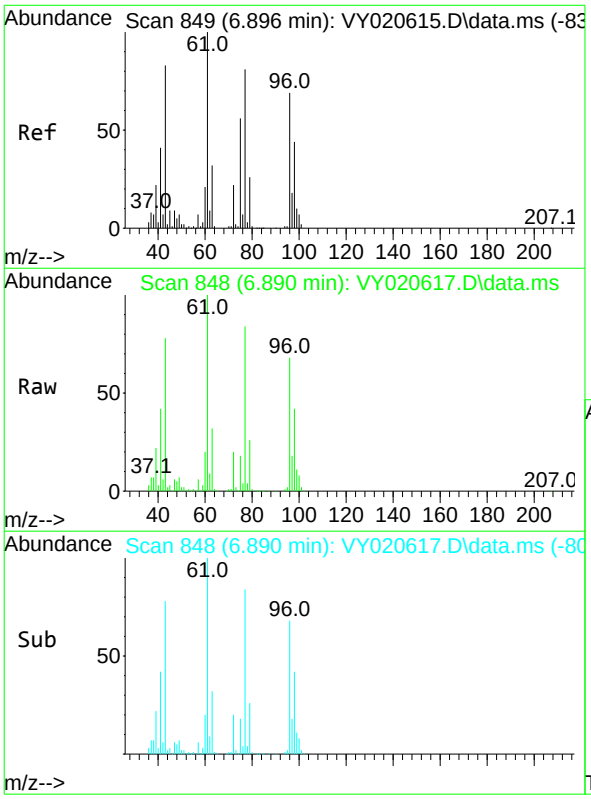
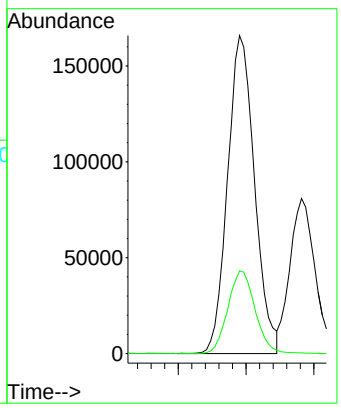
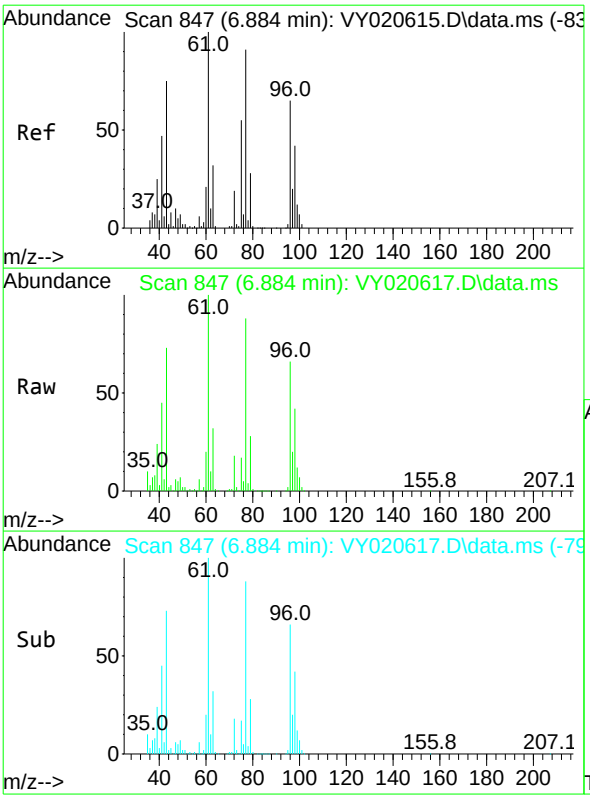


#25
2-Butanone
Concen: 611.252 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 458674

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.6	31.0

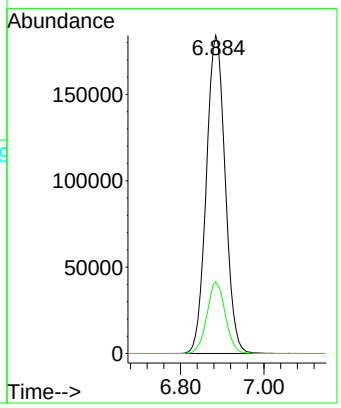




#26
2,2-Dichloropropane
Concen: 126.503 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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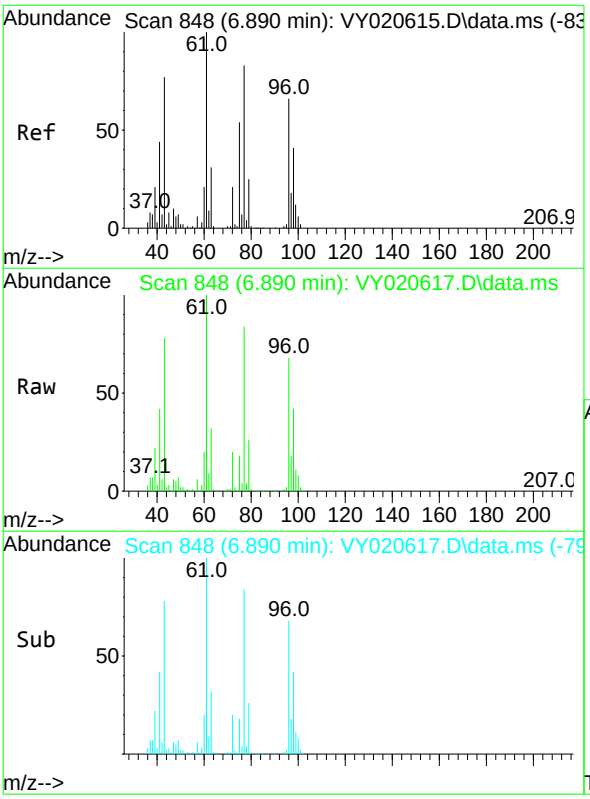
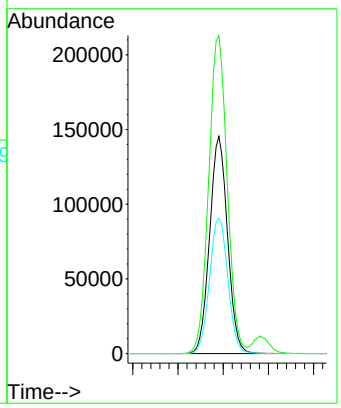
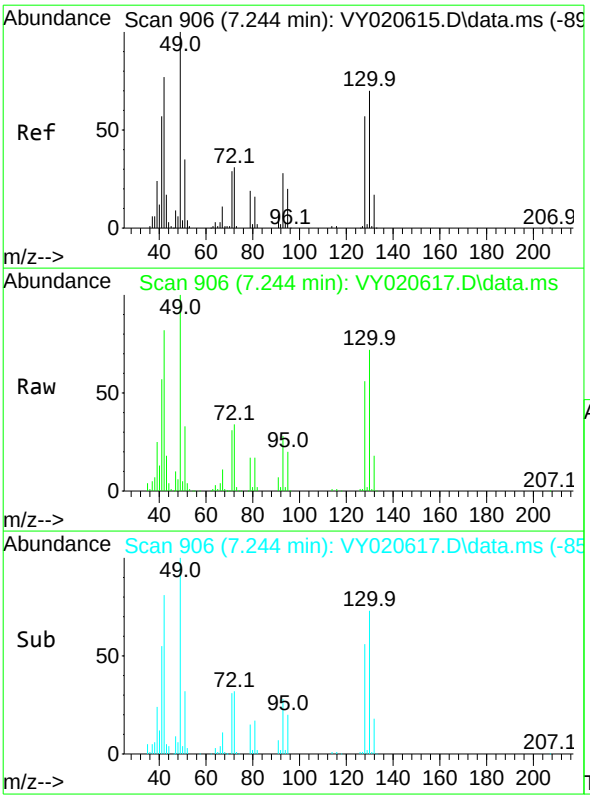


#27
cis-1,2-Dichloroethene
Concen: 134.176 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

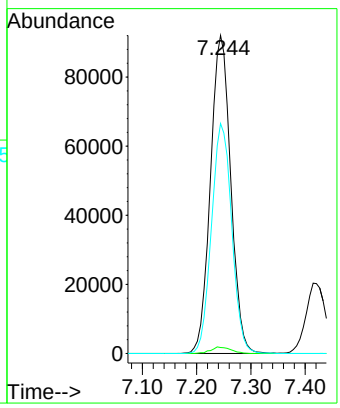




#28
Bromochloromethane
Concen: 147.100 ug/l
RT: 7.244 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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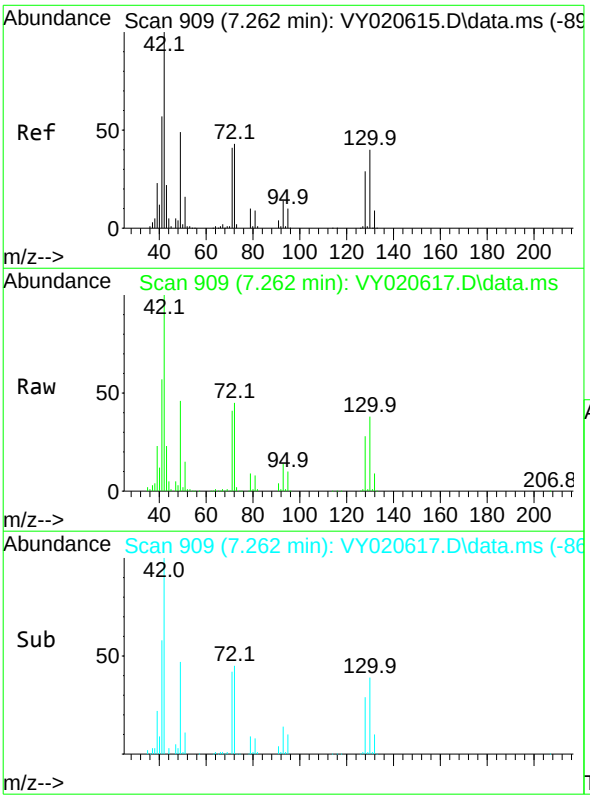
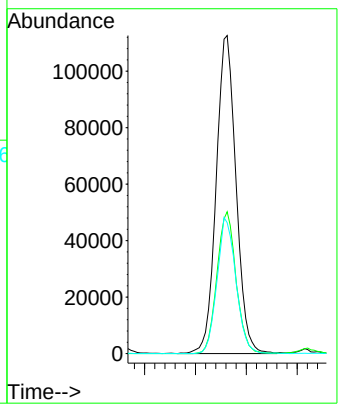
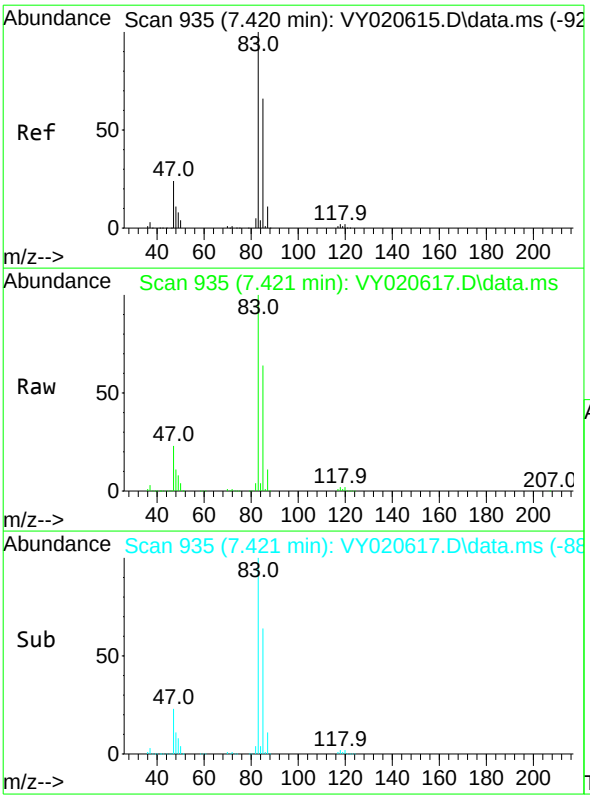


#29
Tetrahydrofuran
Concen: 644.700 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

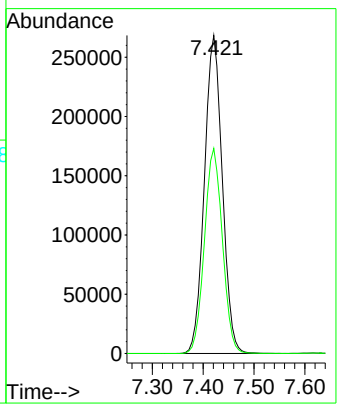




#30
Chloroform
Concen: 145.857 ug/l
RT: 7.421 min Scan# 93
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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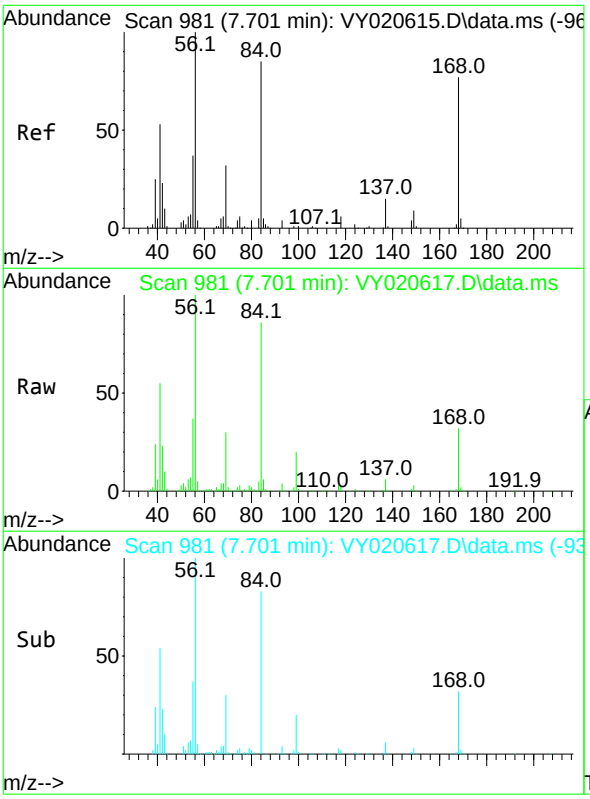
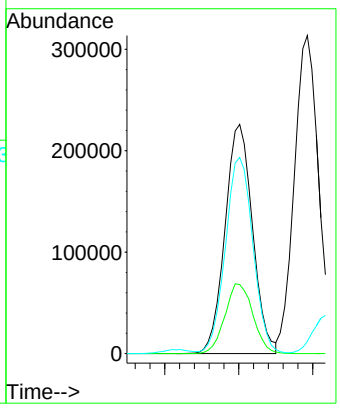
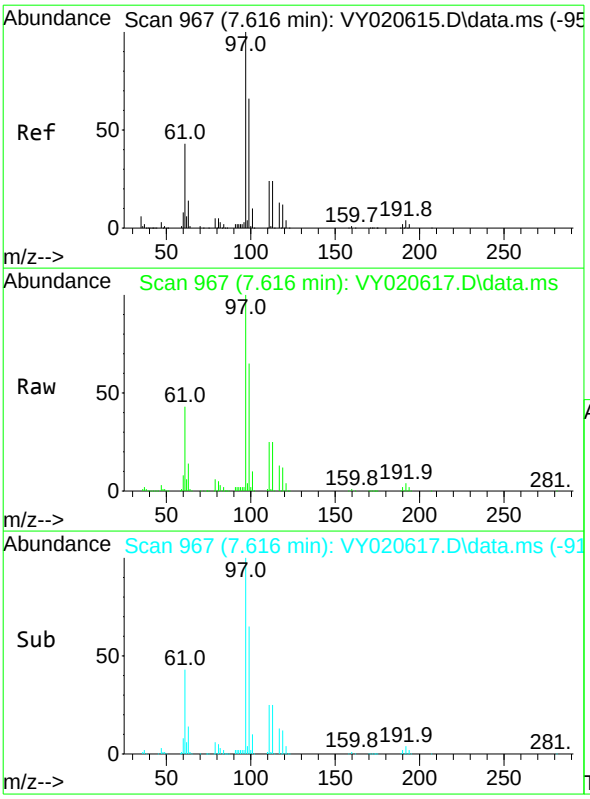


#31
Cyclohexane
Concen: 126.896 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

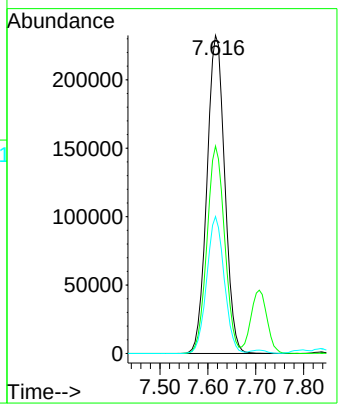




#32
1,1,1-Trichloroethane
Concen: 135.784 ug/l
RT: 7.616 min Scan# 96
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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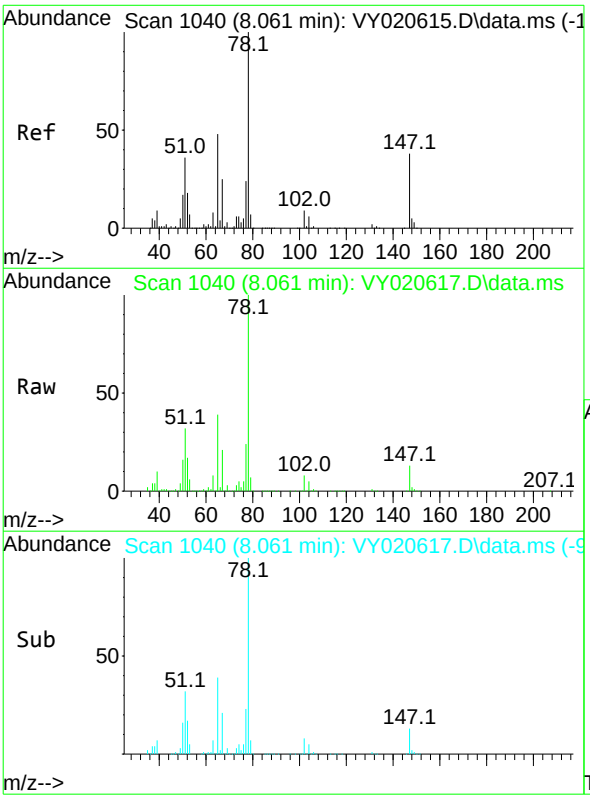
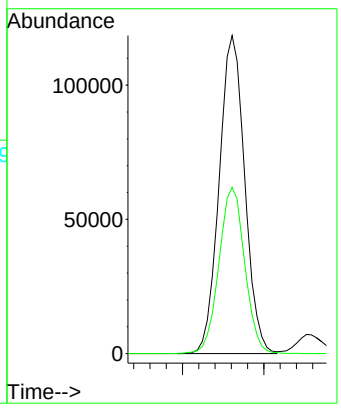
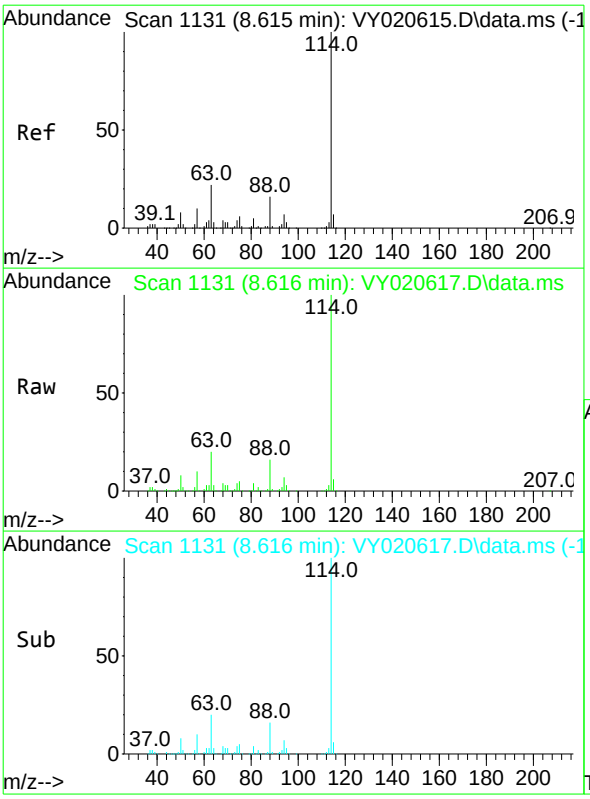


#33
1,2-Dichloroethane-d4
Concen: 128.022 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 65 Resp: 258496

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0

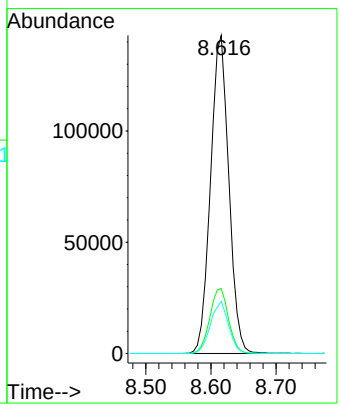




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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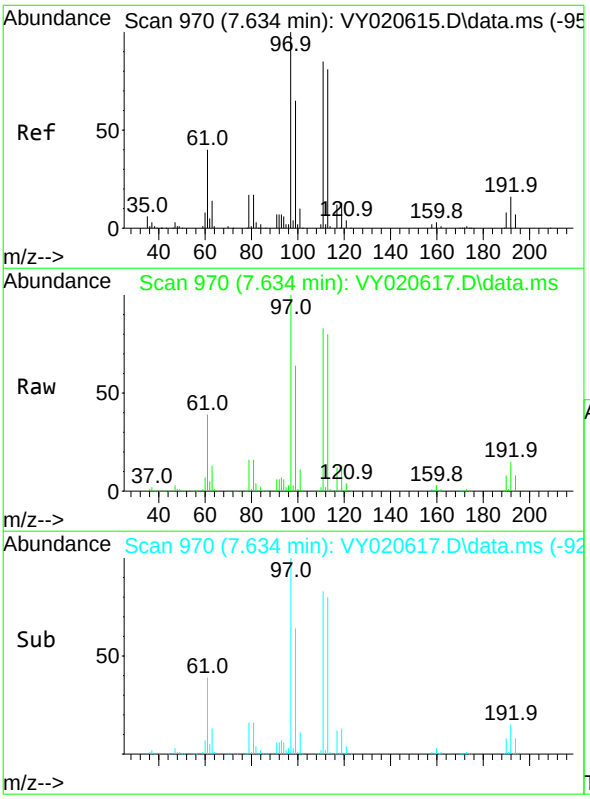
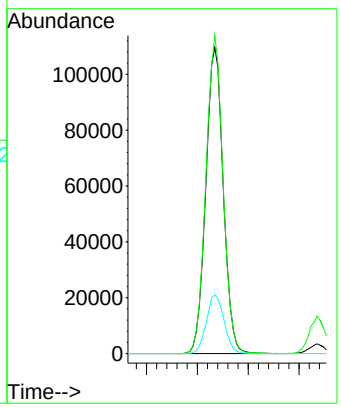
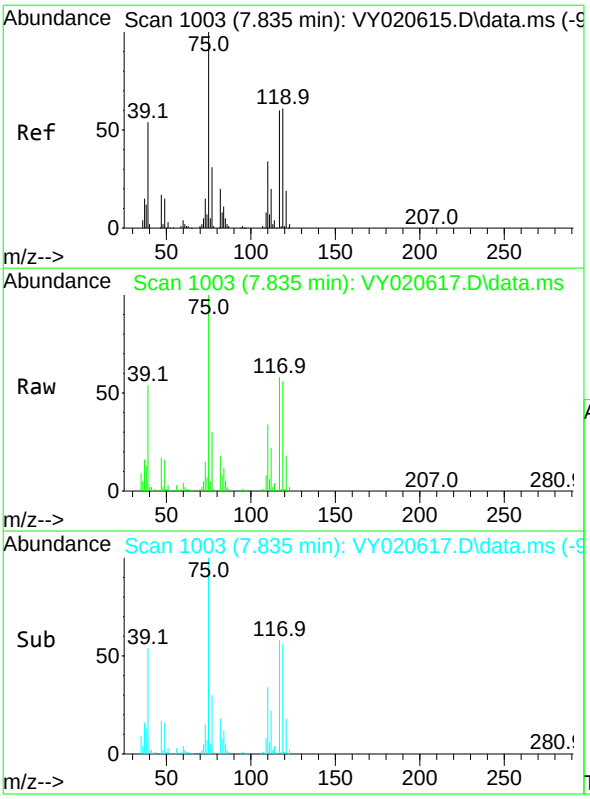


#35
Dibromofluoromethane
Concen: 133.217 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

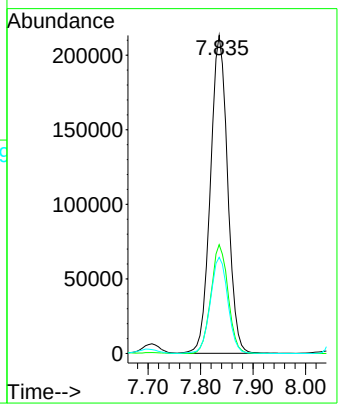




#36
1,1-Dichloropropene
Concen: 135.636 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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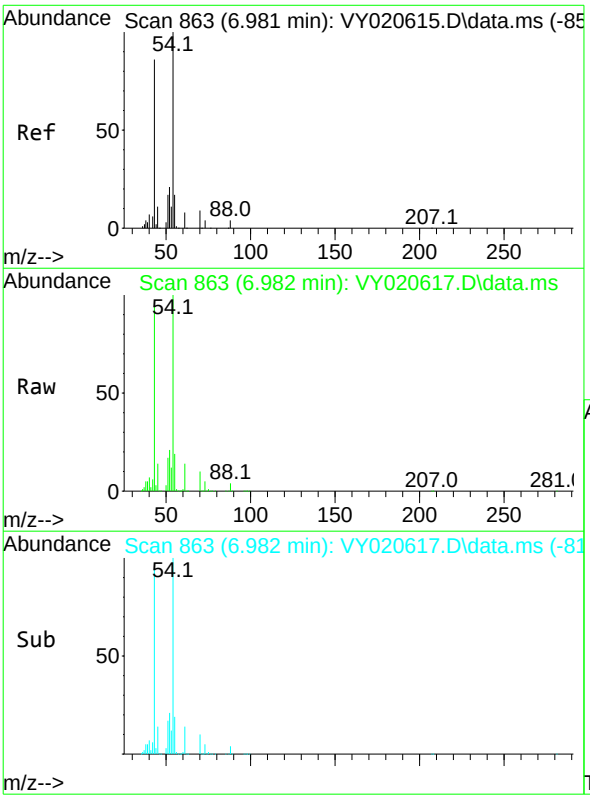
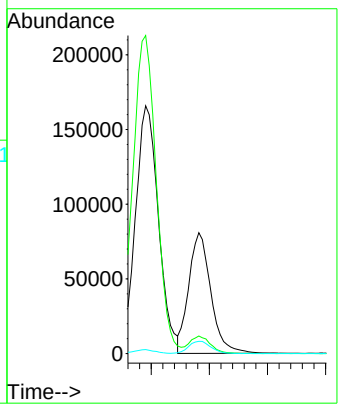
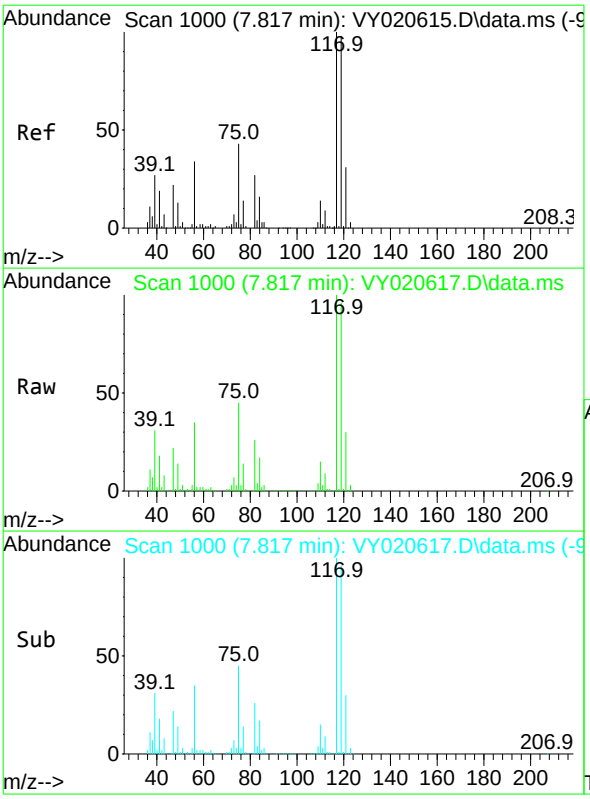


#37
Ethyl Acetate
Concen: 126.794 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

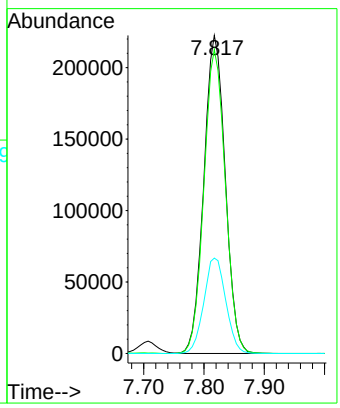




#38
Carbon Tetrachloride
Concen: 138.477 ug/l
RT: 7.817 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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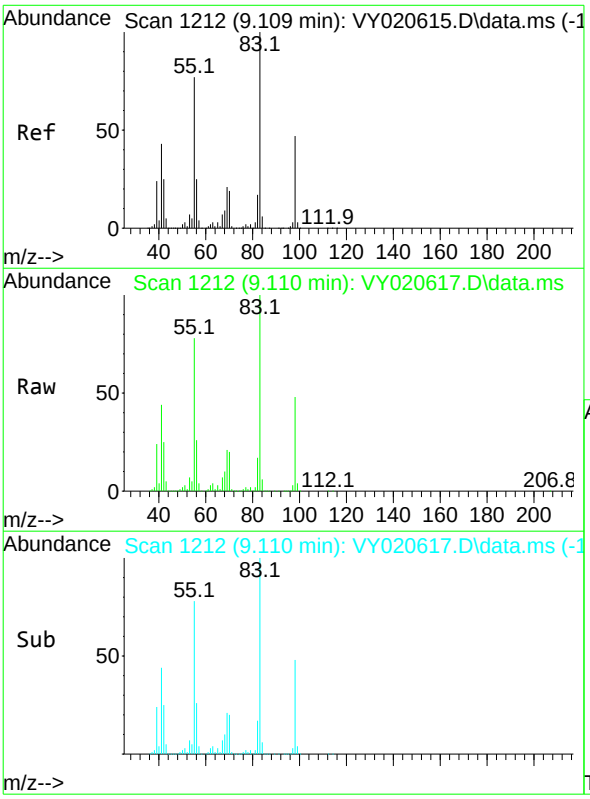
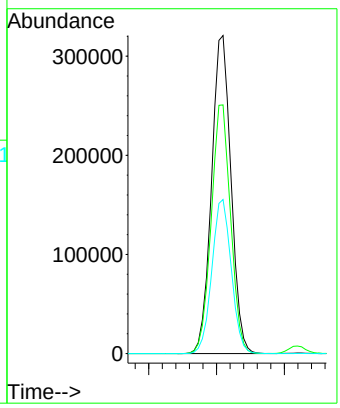
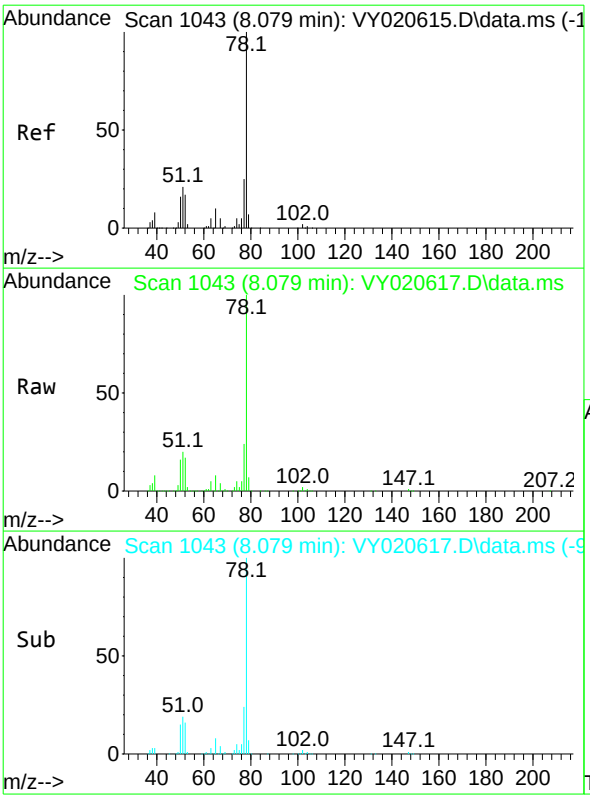


#39
Methylcyclohexane
Concen: 137.259 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

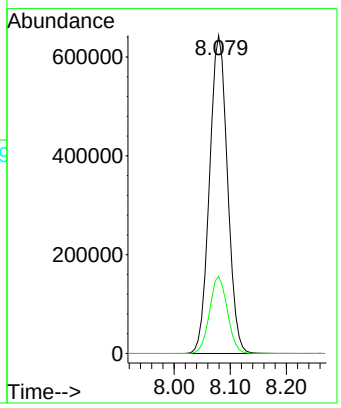




#40
Benzene
Concen: 136.402 ug/l
RT: 8.079 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 78 Resp: 1431012

Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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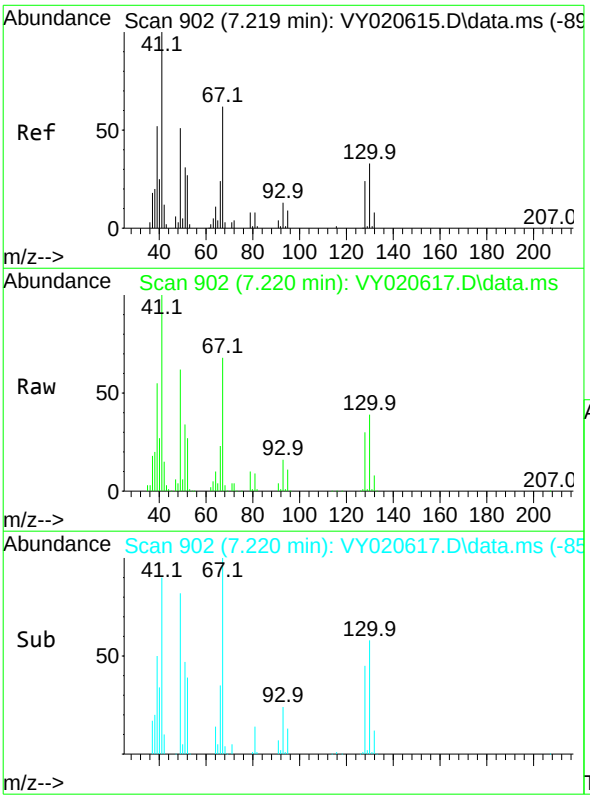
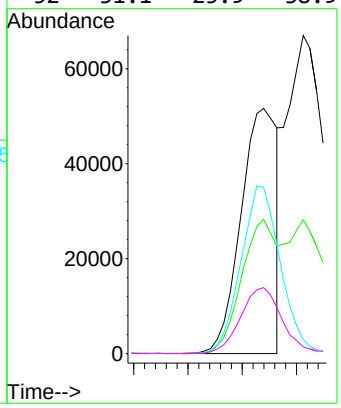
Supervised By :Semsettin Yesilyurt 12/18/2024

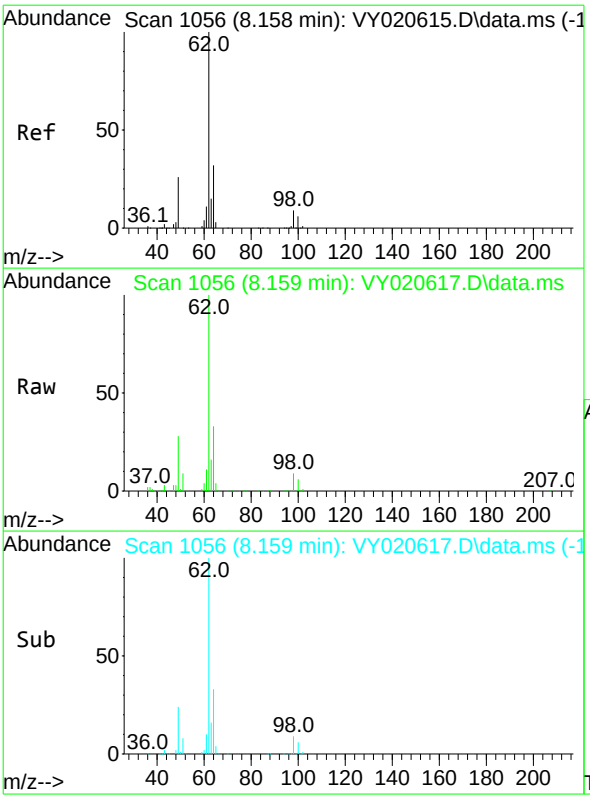


#41
Methacrylonitrile
Concen: 133.813 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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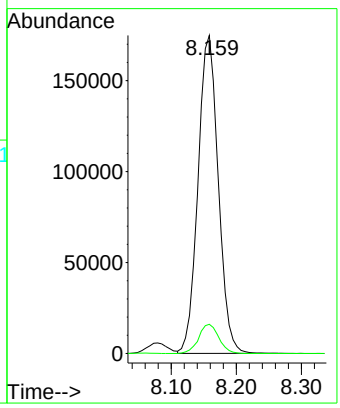
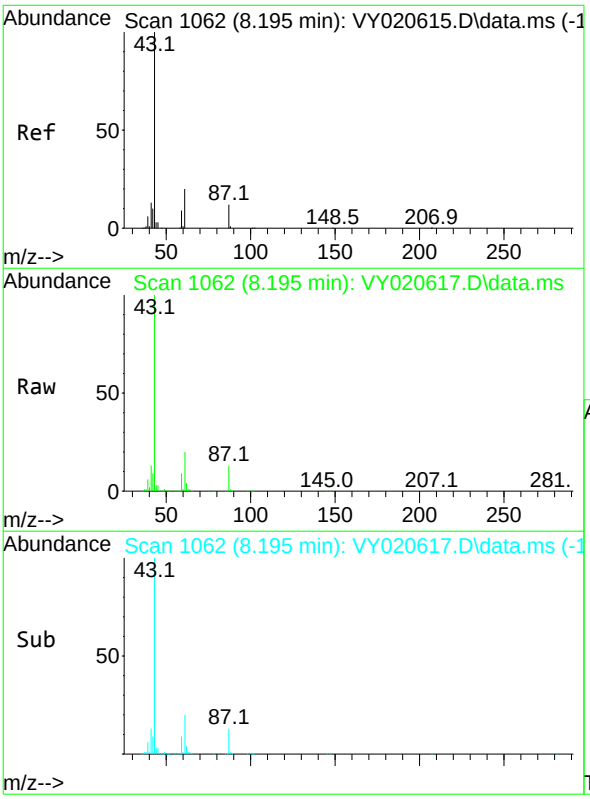
Supervised By :Semsettin Yesilyurt 12/18/2024

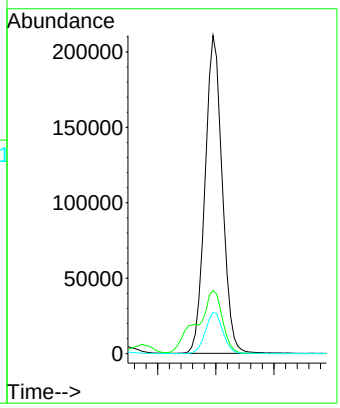


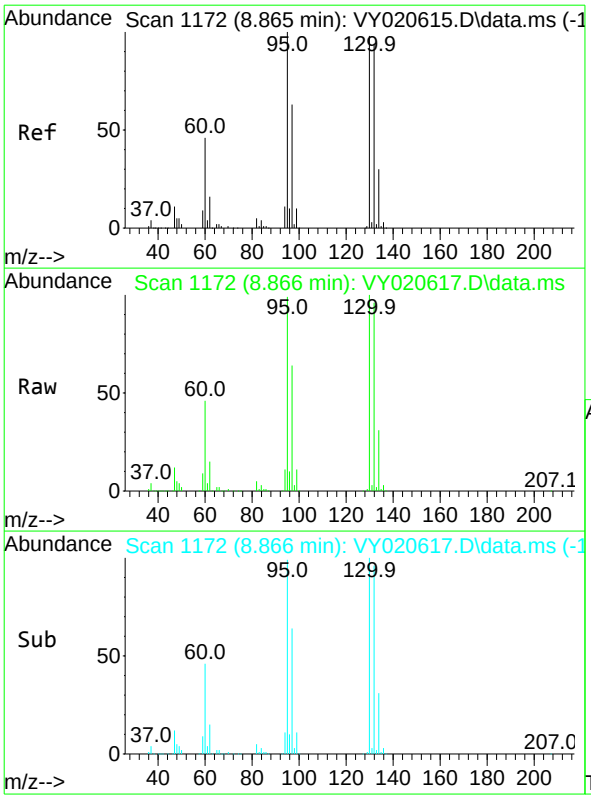


#43
Isopropyl Acetate
Concen: 135.916 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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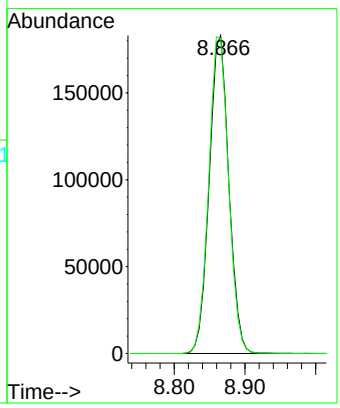
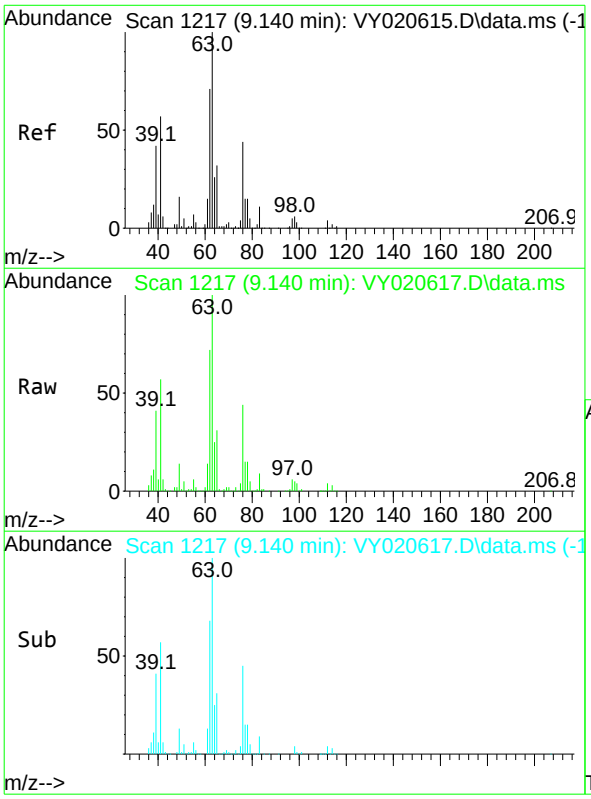
Supervised By :Semsettin Yesilyurt 12/18/2024

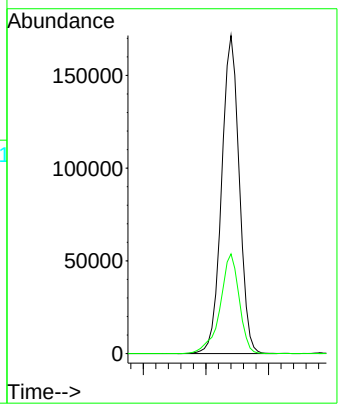


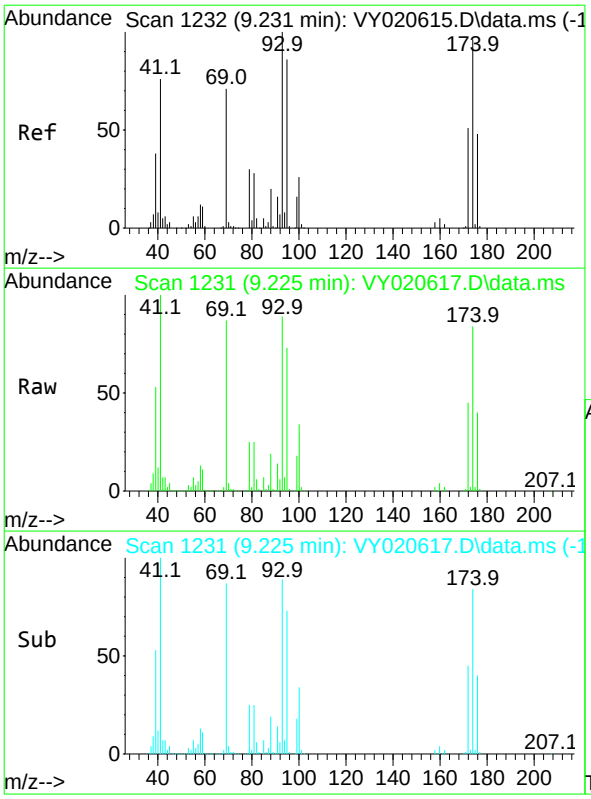


#45
1,2-Dichloropropane
Concen: 136.766 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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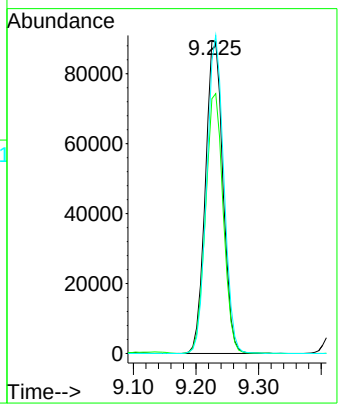
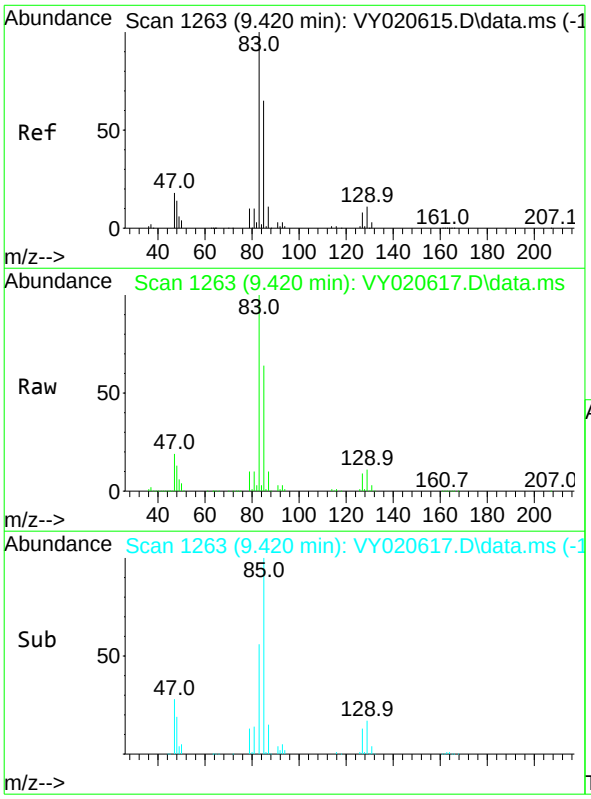
Supervised By :Semsettin Yesilyurt 12/18/2024

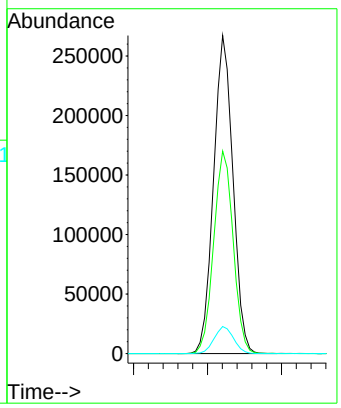


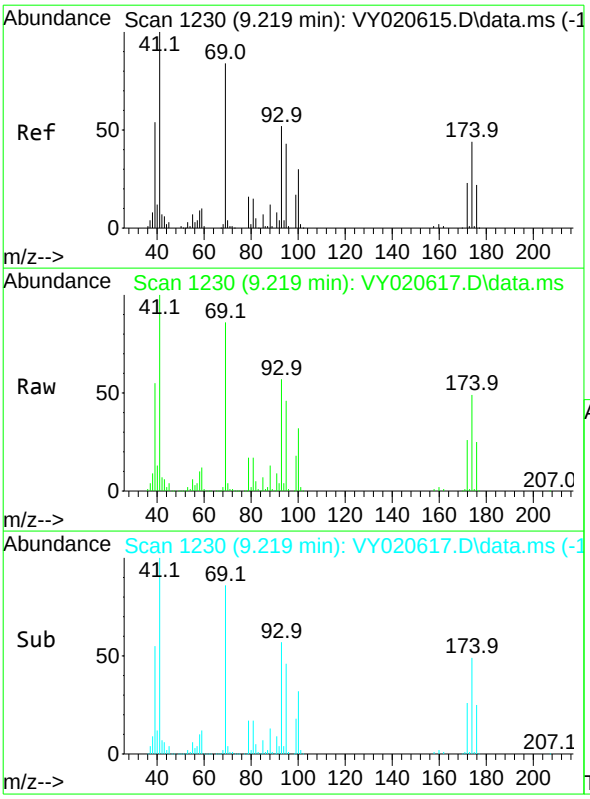


#47
Bromodichloromethane
Concen: 138.787 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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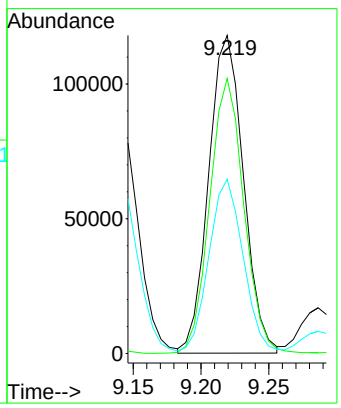
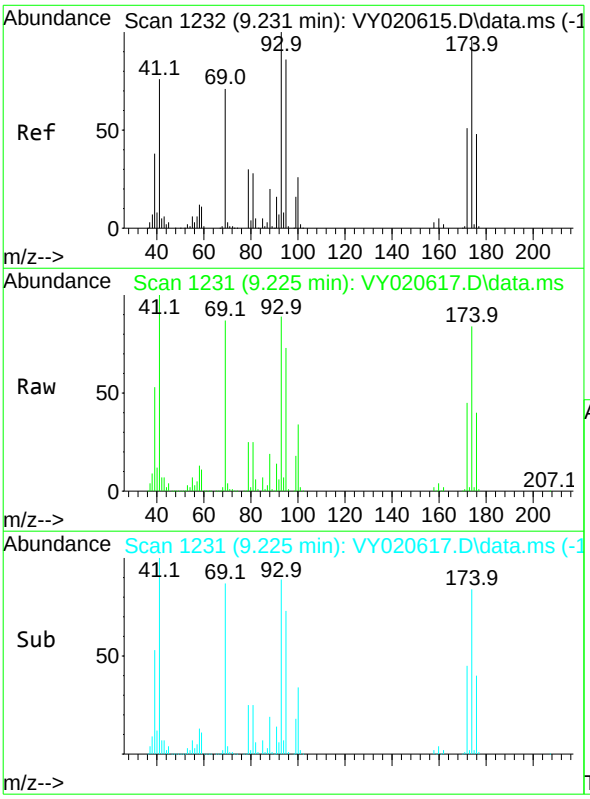
Supervised By :Semsettin Yesilyurt 12/18/2024

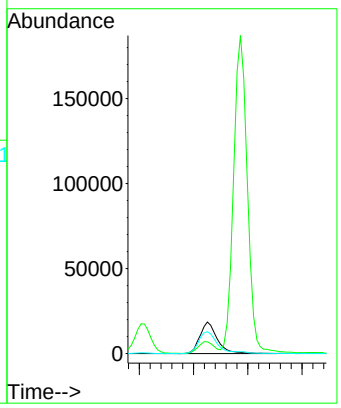


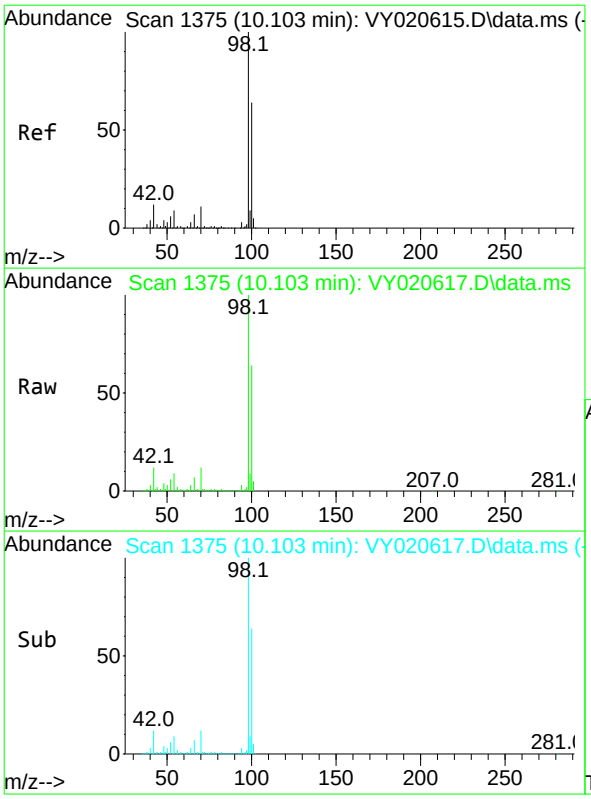


#49
1,4-Dioxane
Concen: 2773.834 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

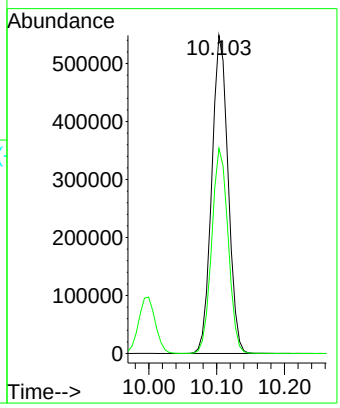




#50
Toluene-d8
Concen: 133.785 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 98 Resp: 919148

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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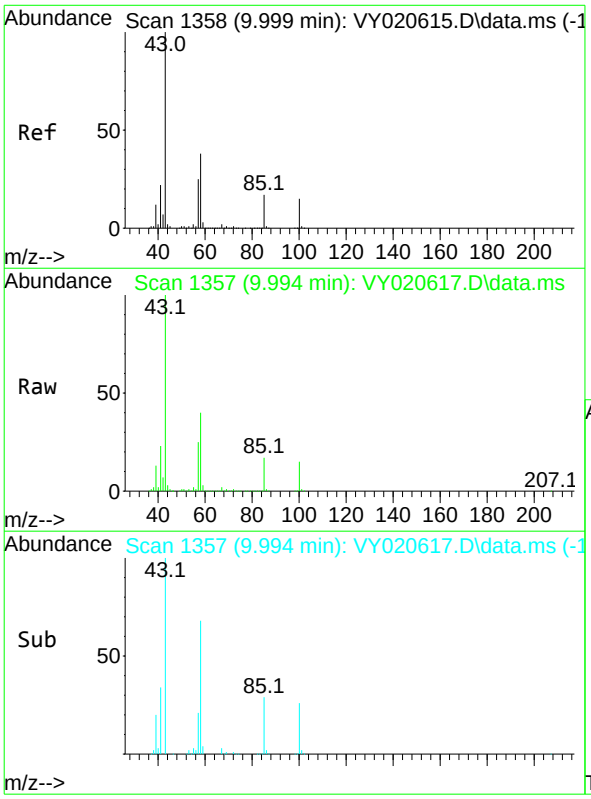
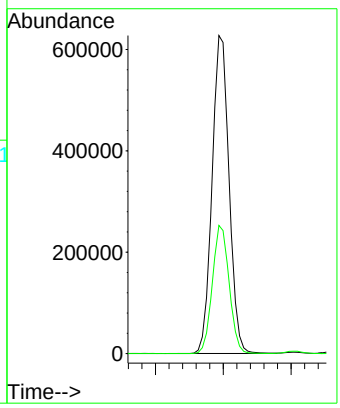
Supervised By :Semsettin Yesilyurt 12/18/2024

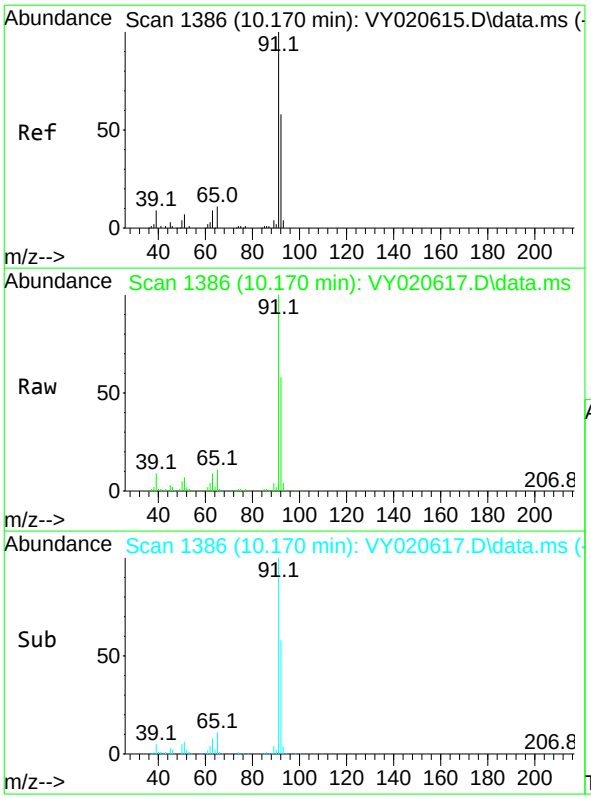


#51
4-Methyl-2-Pentanone
Concen: 649.161 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 1092140

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

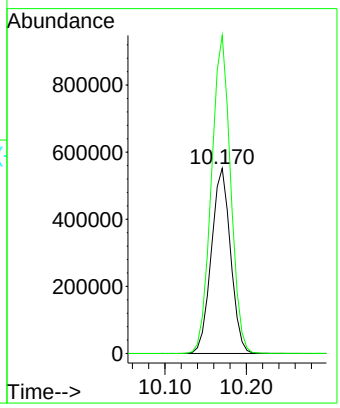




#52
Toluene
Concen: 138.659 ug/l
RT: 10.170 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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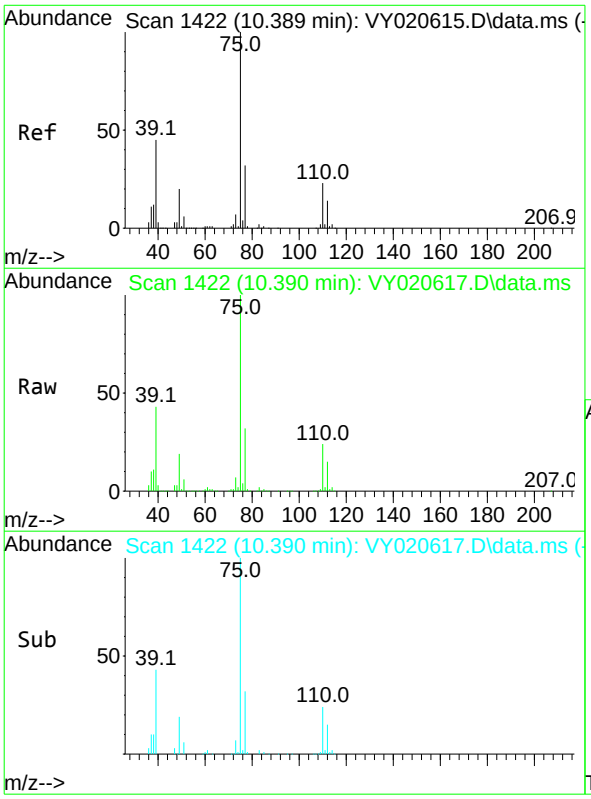
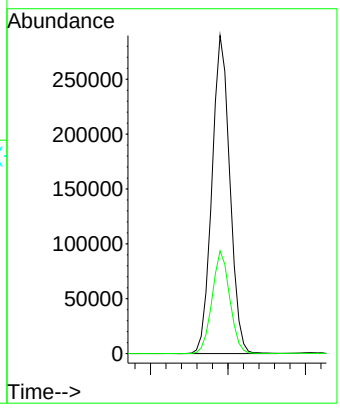
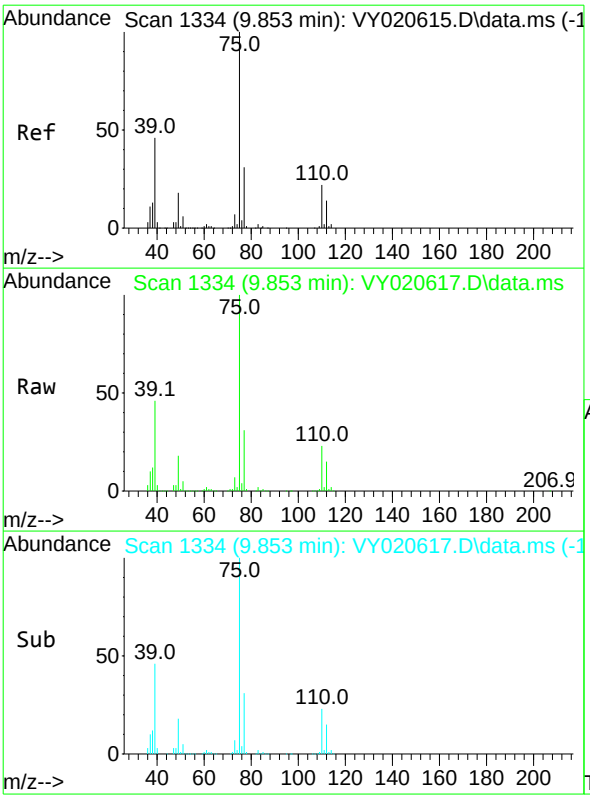


#53
t-1,3-Dichloropropene
Concen: 142.541 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

Manual Integrations
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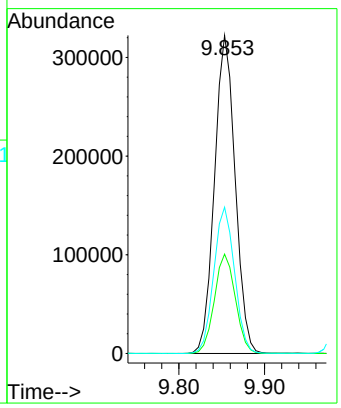
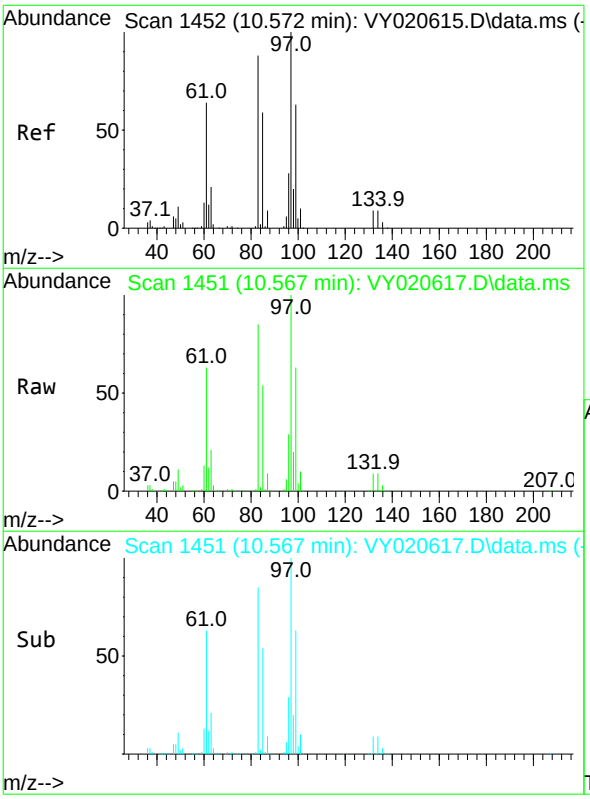
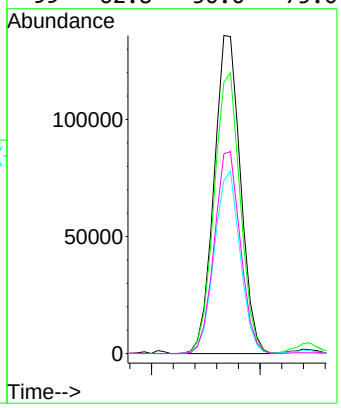


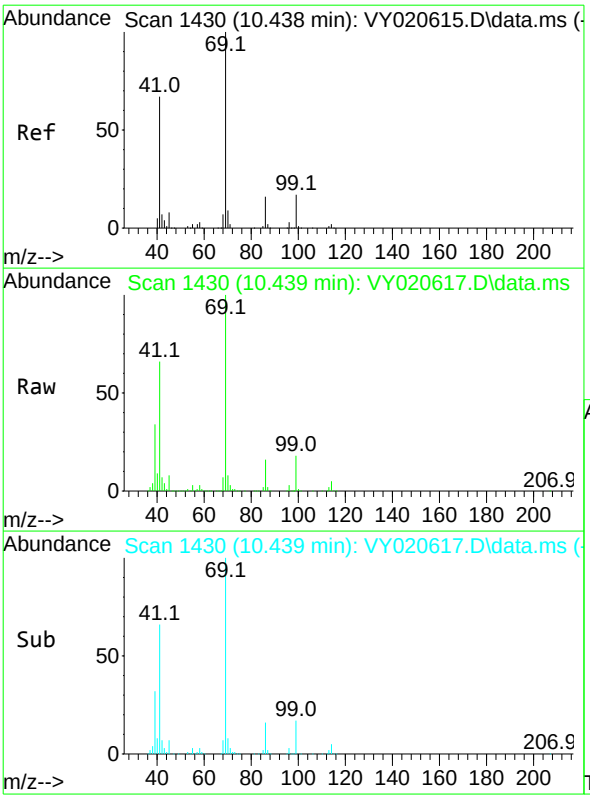


#55
1,1,2-Trichloroethane
Concen: 134.466 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

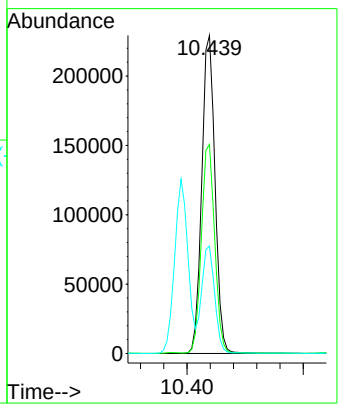




#56
Ethyl methacrylate
Concen: 146.095 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

Manual Integrations
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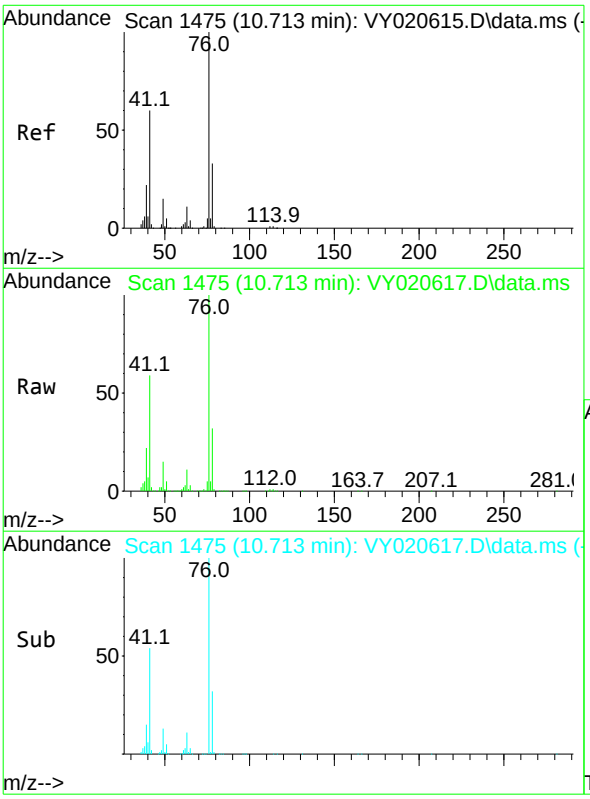
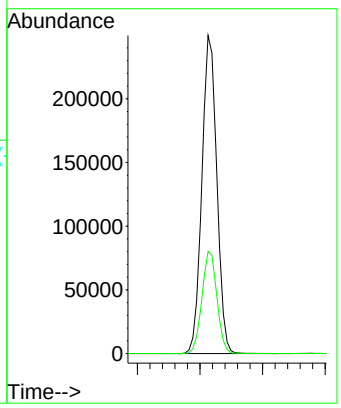
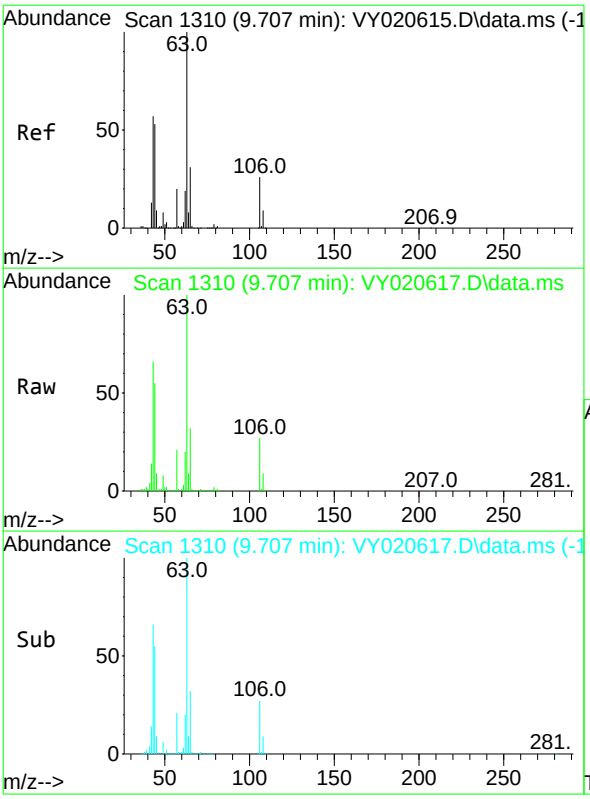


#57
1,3-Dichloropropane
Concen: 135.406 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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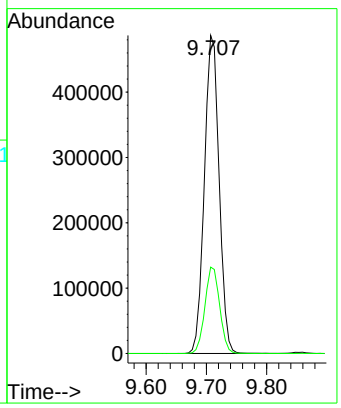
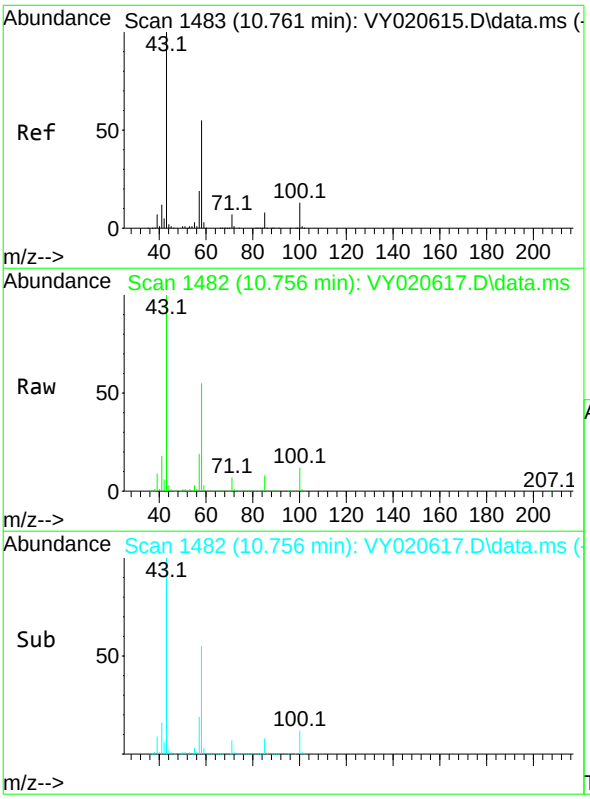
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

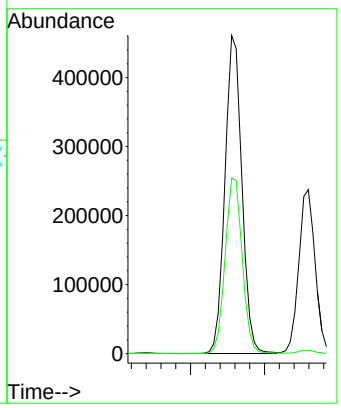


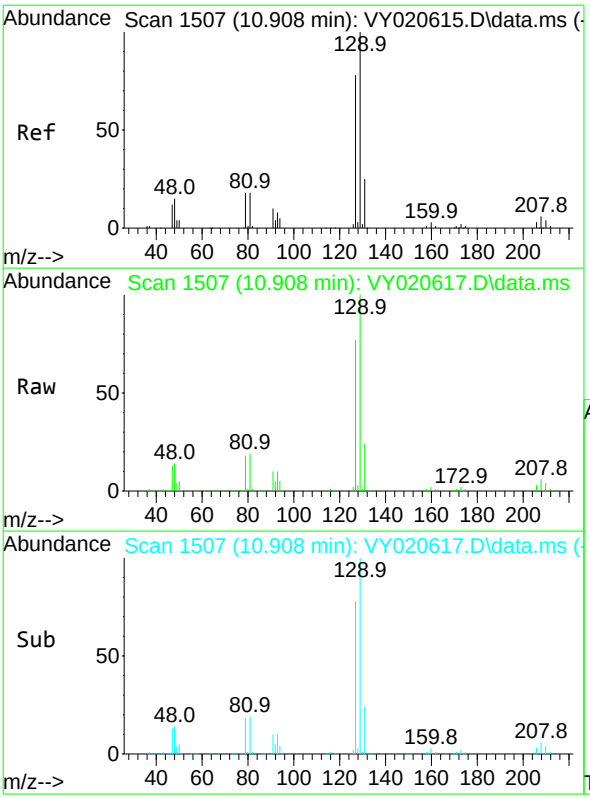


#59
2-Hexanone
Concen: 677.527 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 731842

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.2	81.6

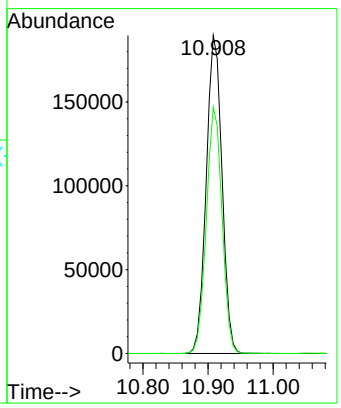




#60
Dibromochloromethane
Concen: 138.906 ug/l
RT: 10.908 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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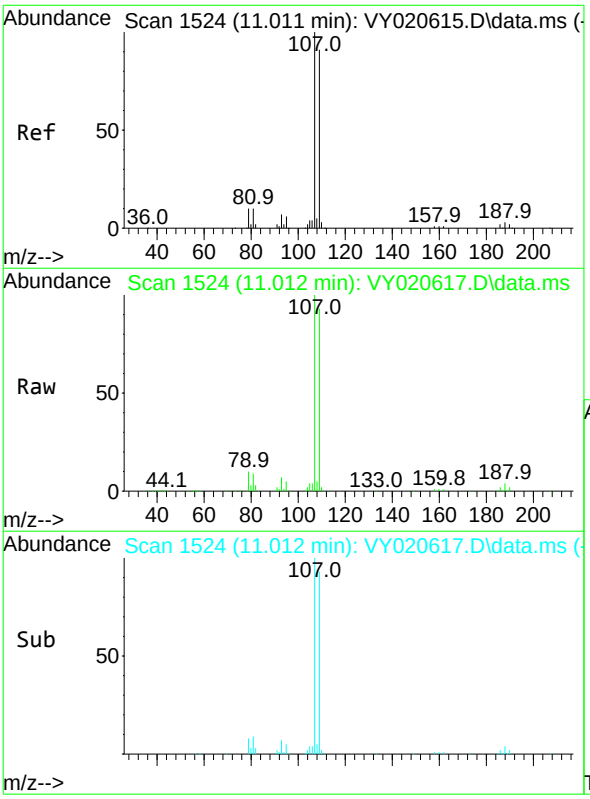
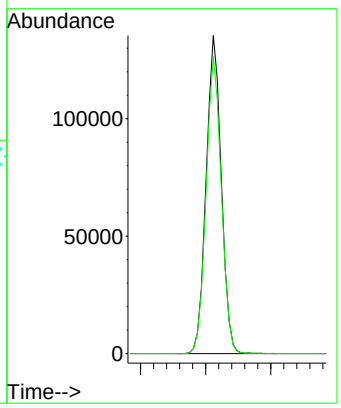
Supervised By :Semsettin Yesilyurt 12/18/2024

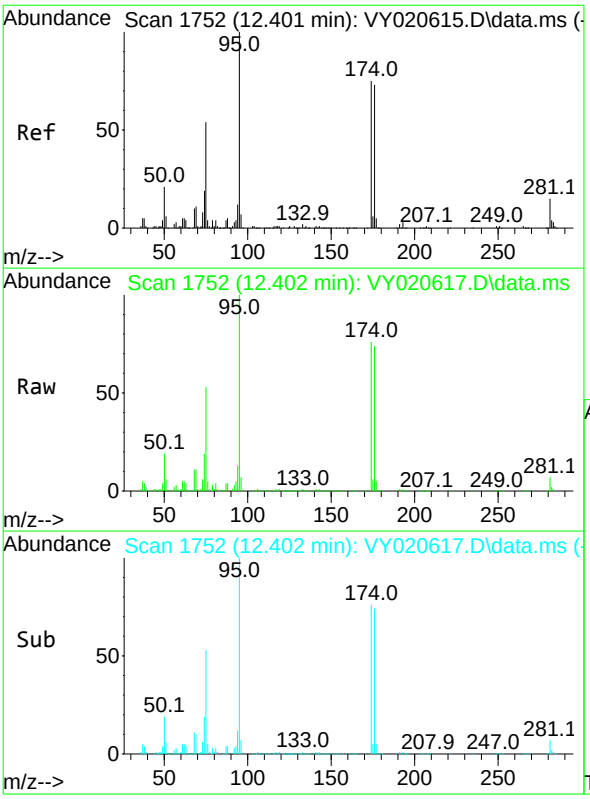


#61
1,2-Dibromoethane
Concen: 137.043 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:107 Resp: 218394

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

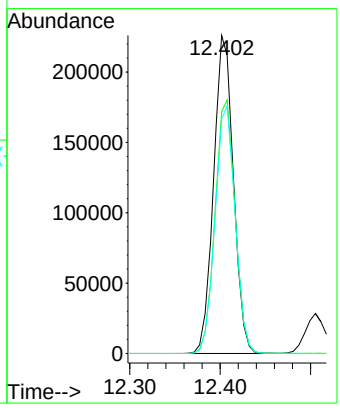




#62
4-Bromofluorobenzene
Concen: 127.965 ug/l
RT: 12.402 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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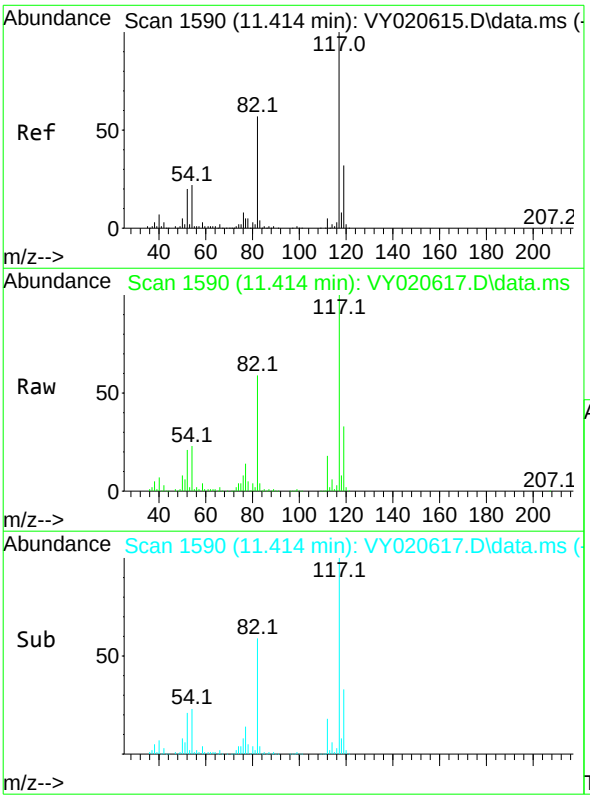
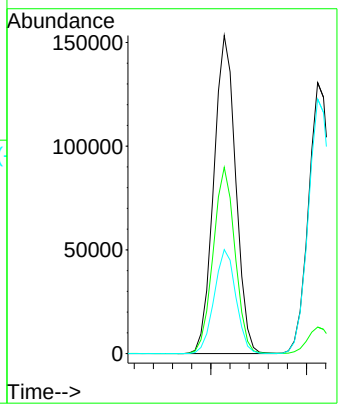
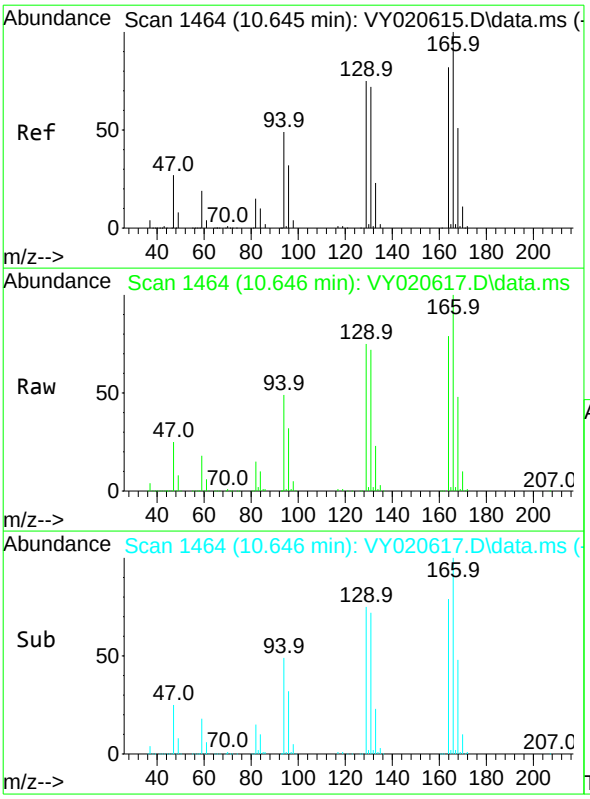


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

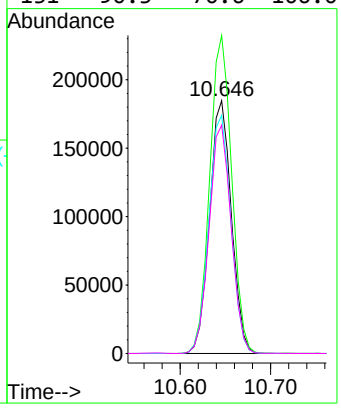




#64
Tetrachloroethene
Concen: 134.678 ug/l
RT: 10.646 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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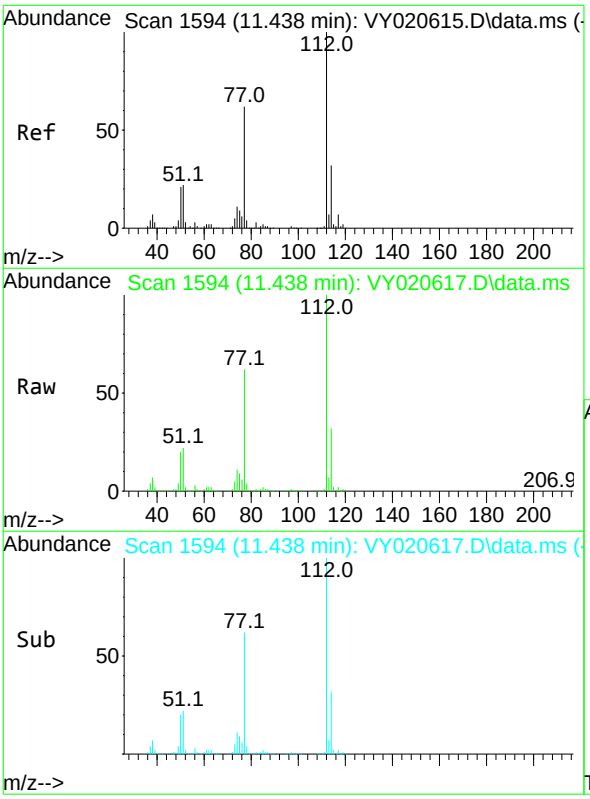
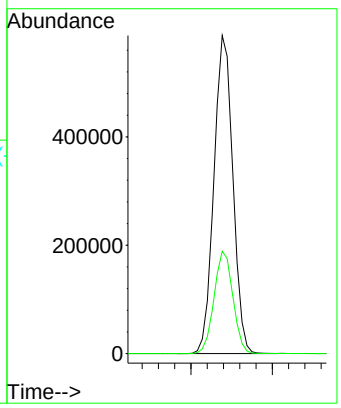
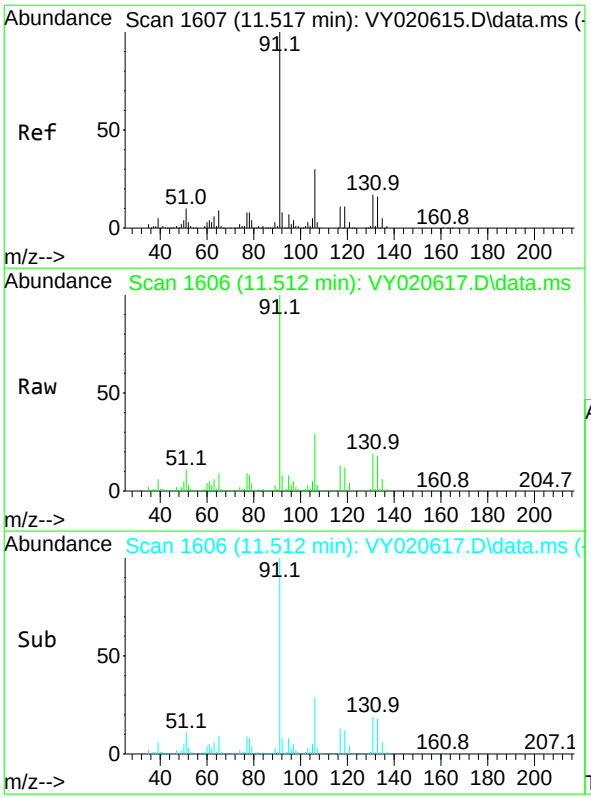


#65
Chlorobenzene
Concen: 138.742 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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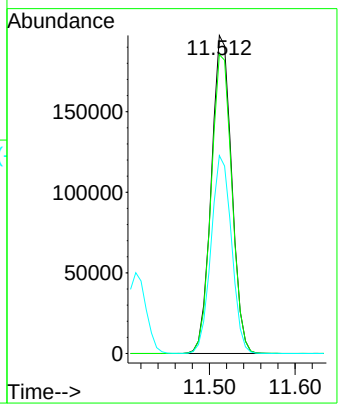
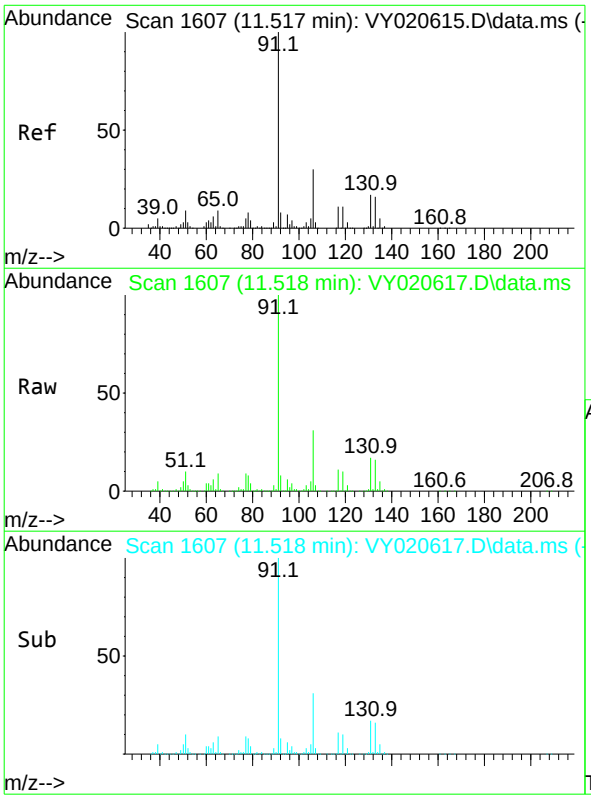
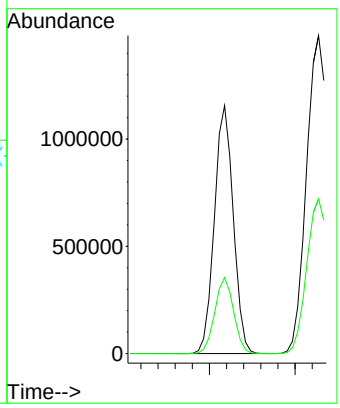


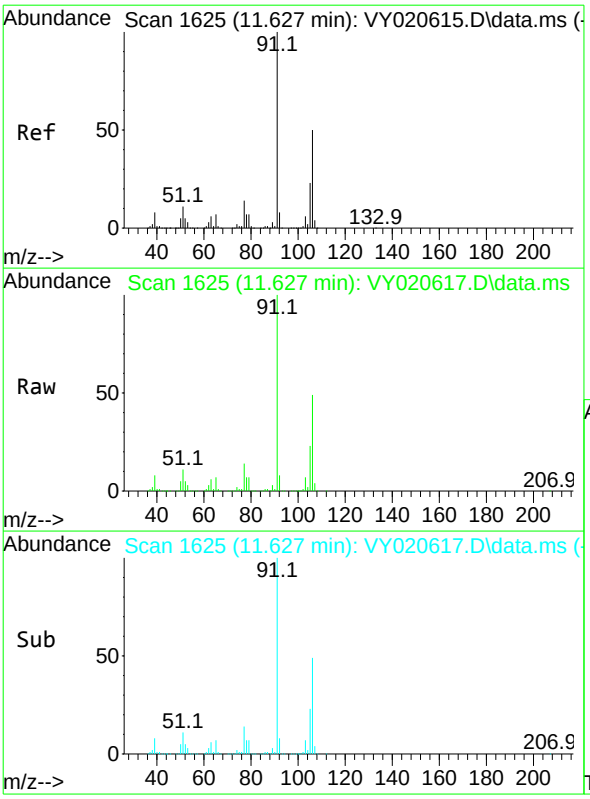


#67
Ethyl Benzene
Concen: 140.410 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1770086

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

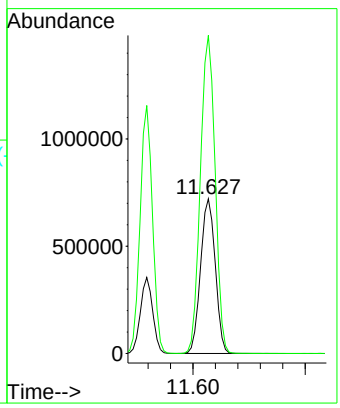




#68
m/p-Xylenes
Concen: 279.114 ug/l
RT: 11.627 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 1308282

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.0	247.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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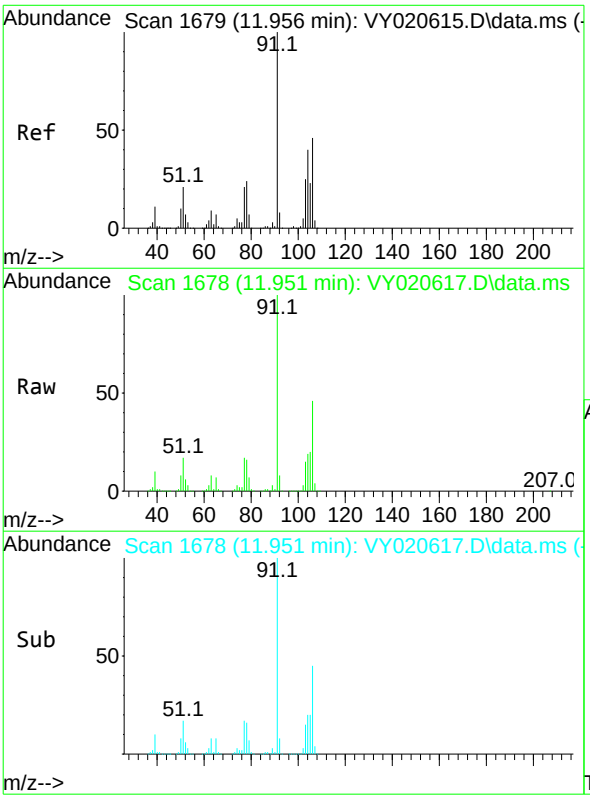
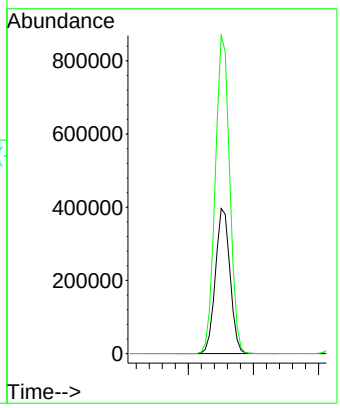
Supervised By :Semsettin Yesilyurt 12/18/2024

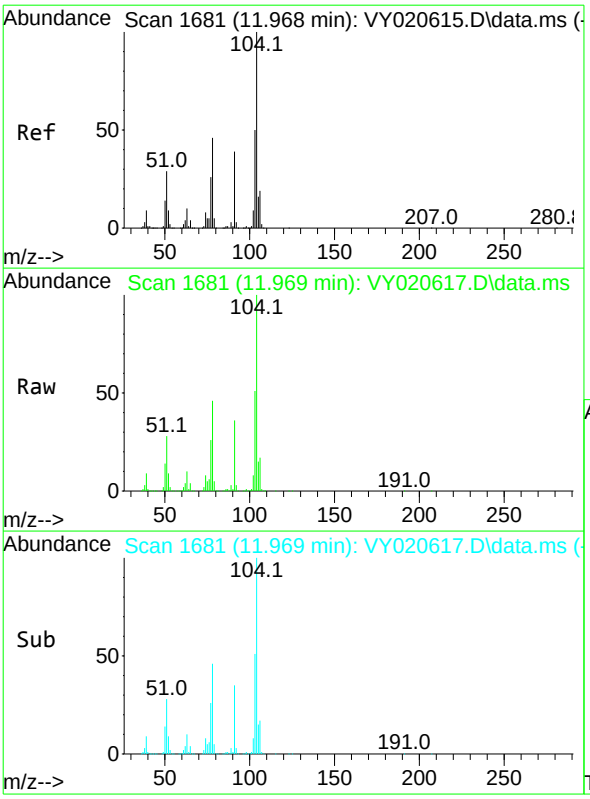


#69
o-Xylene
Concen: 141.099 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 617079

Ion	Ratio	Lower	Upper
106	100		
91	217.7	108.4	325.2

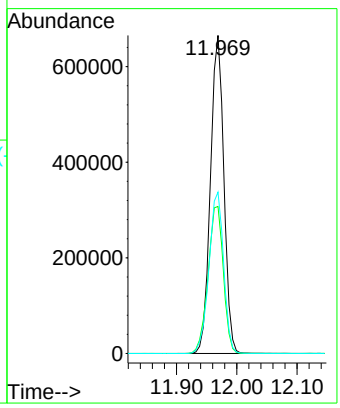




#70
Styrene
Concen: 141.122 ug/l
RT: 11.969 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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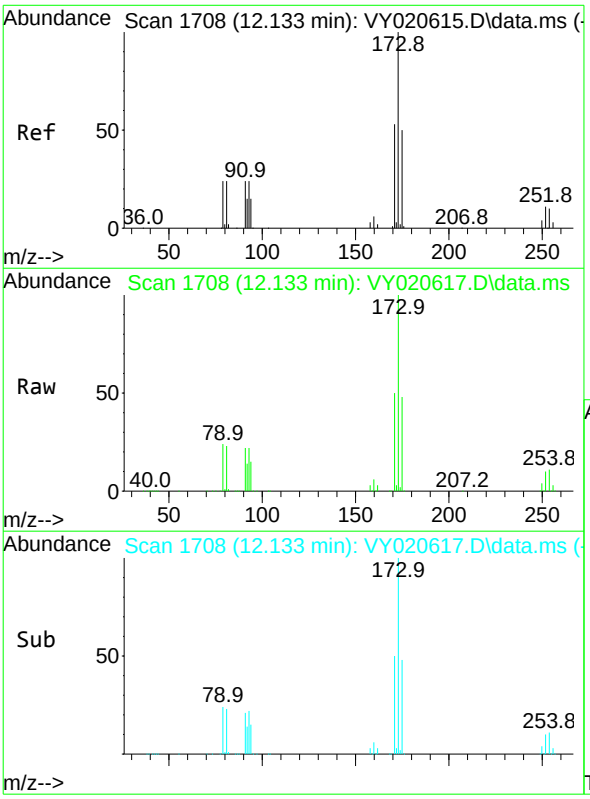
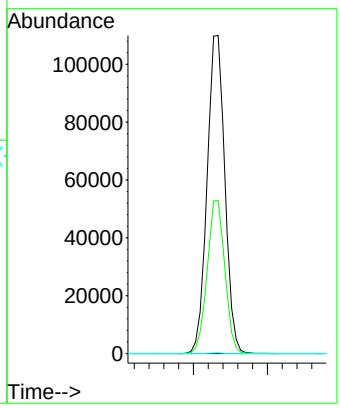
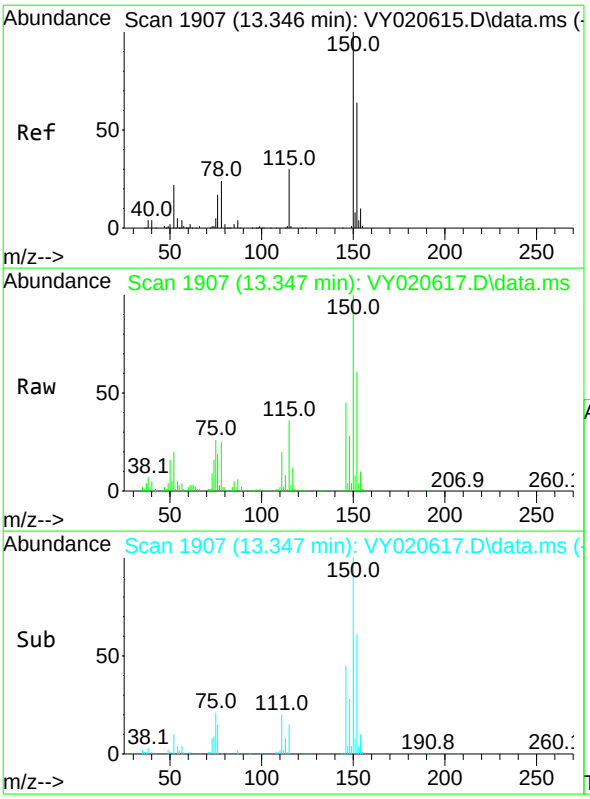


#71
Bromoform
Concen: 139.463 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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#

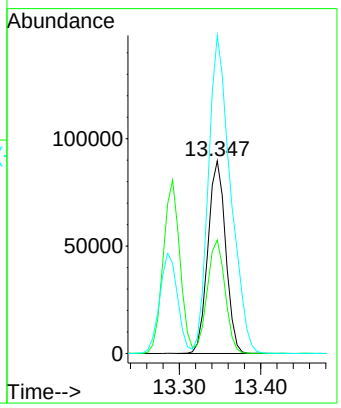




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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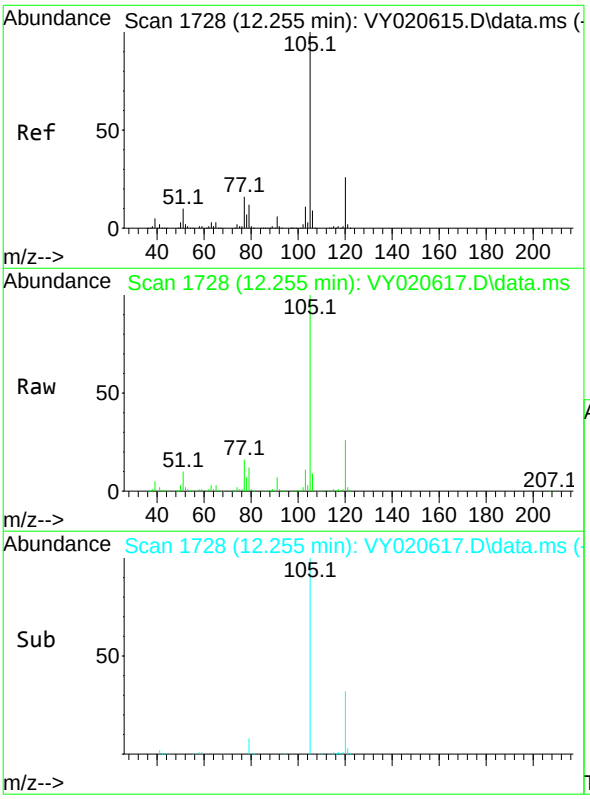
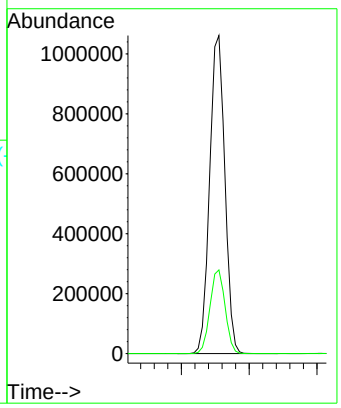
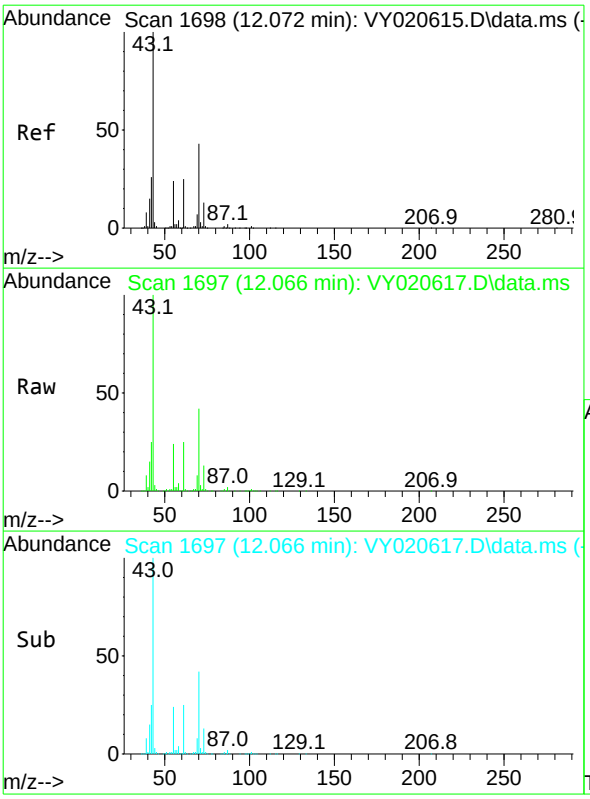


#73
Isopropylbenzene
Concen: 139.276 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1651138

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

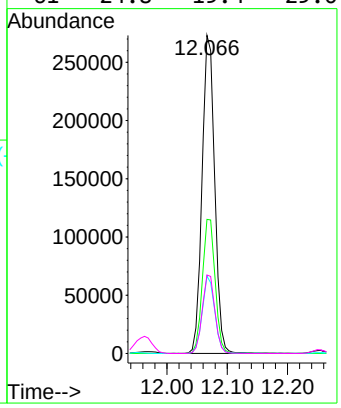




#74
N-amyl acetate
Concen: 142.807 ug/l
RT: 12.066 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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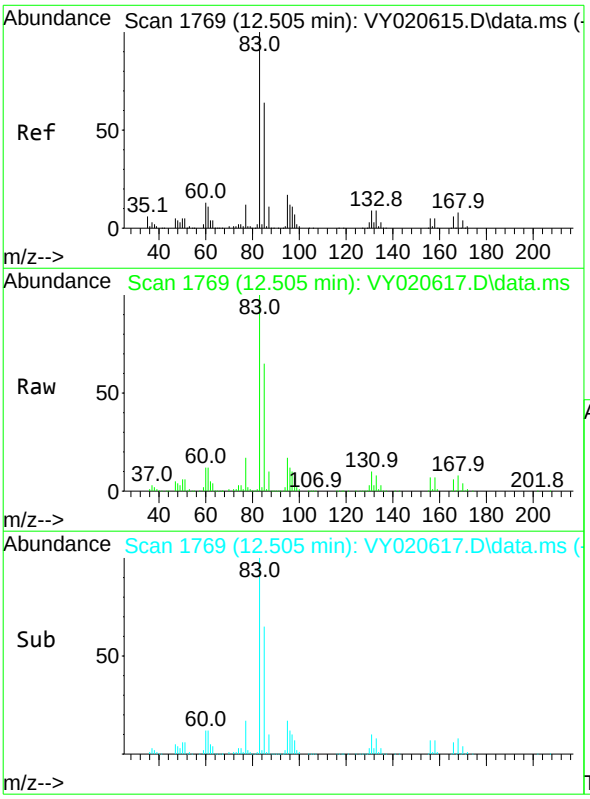
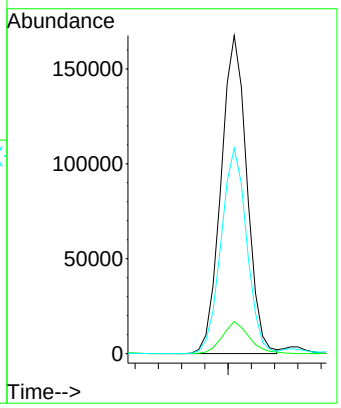
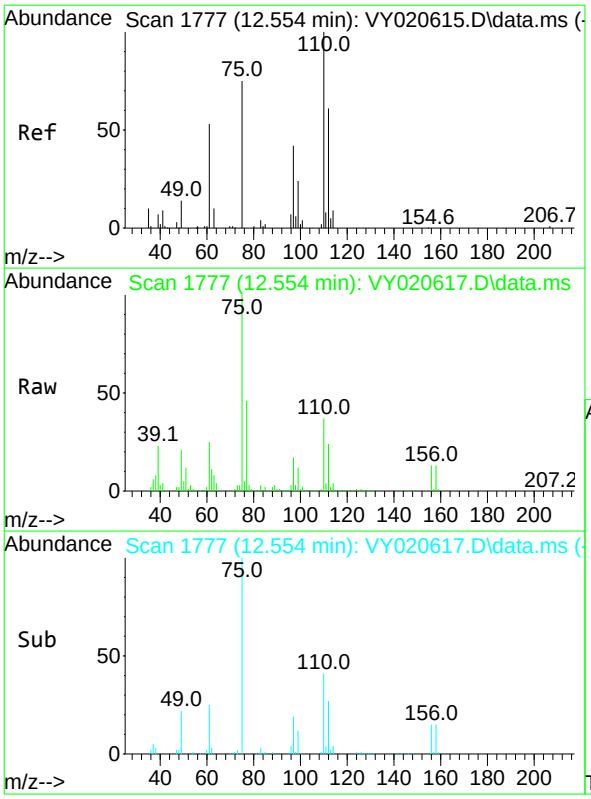


#75
1,1,2,2-Tetrachloroethane
Concen: 134.480 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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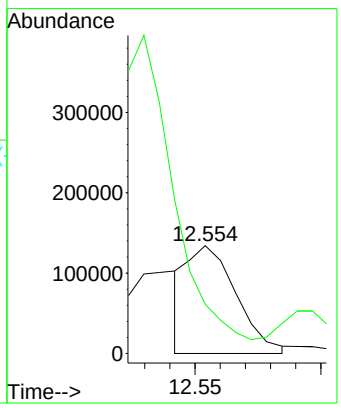
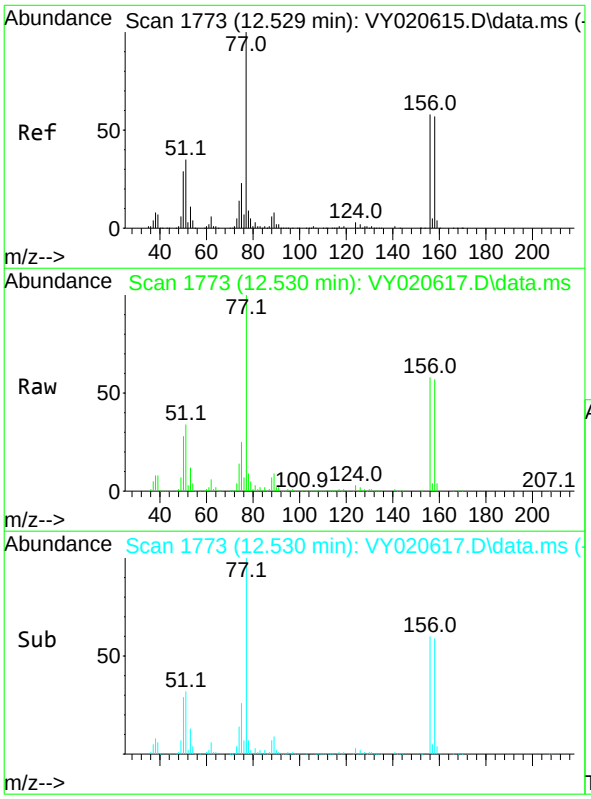
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

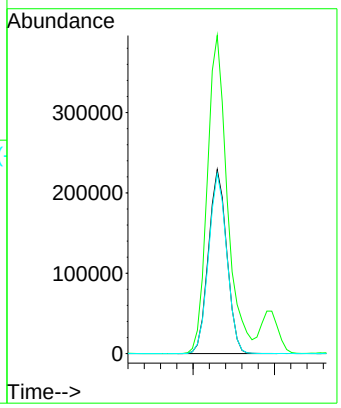


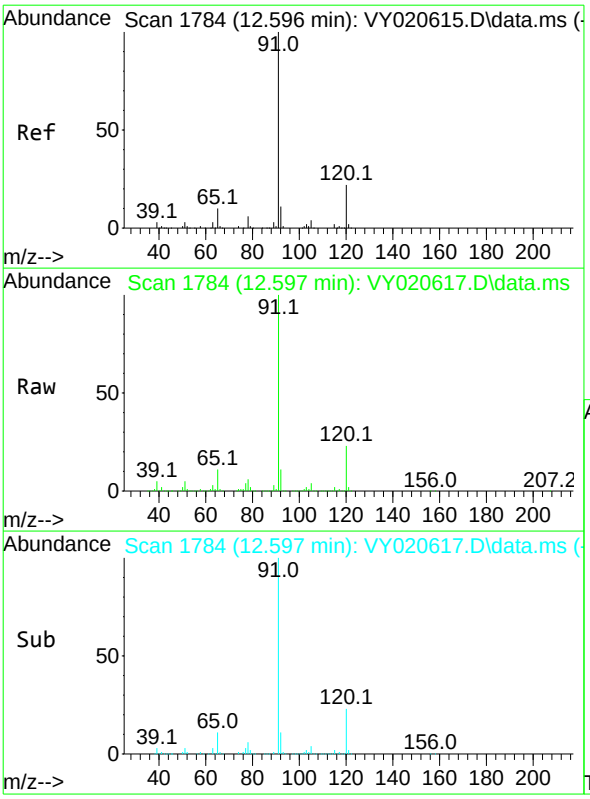


#77
Bromobenzene
Concen: 138.423 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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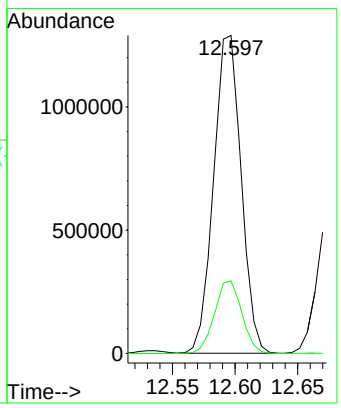
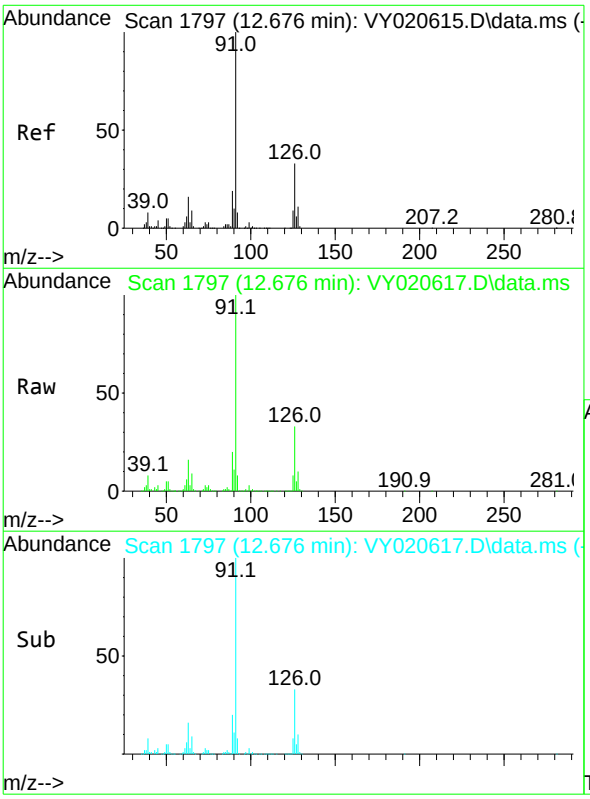
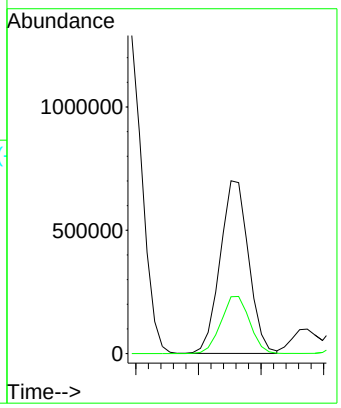


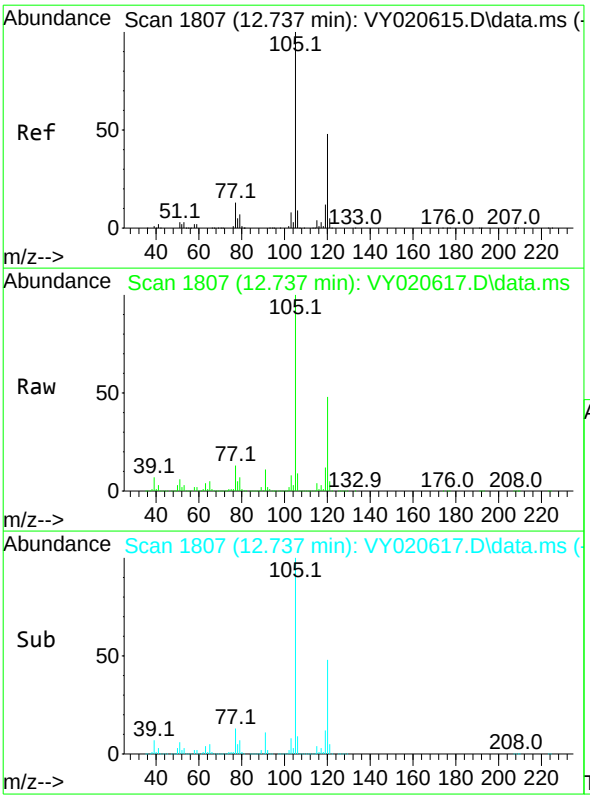


#79
2-Chlorotoluene
Concen: 138.298 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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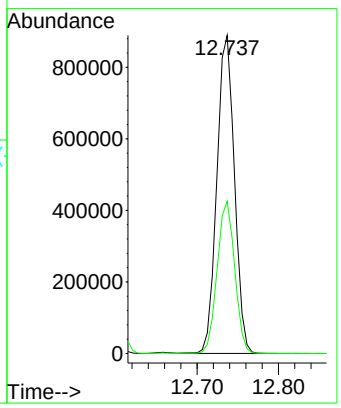
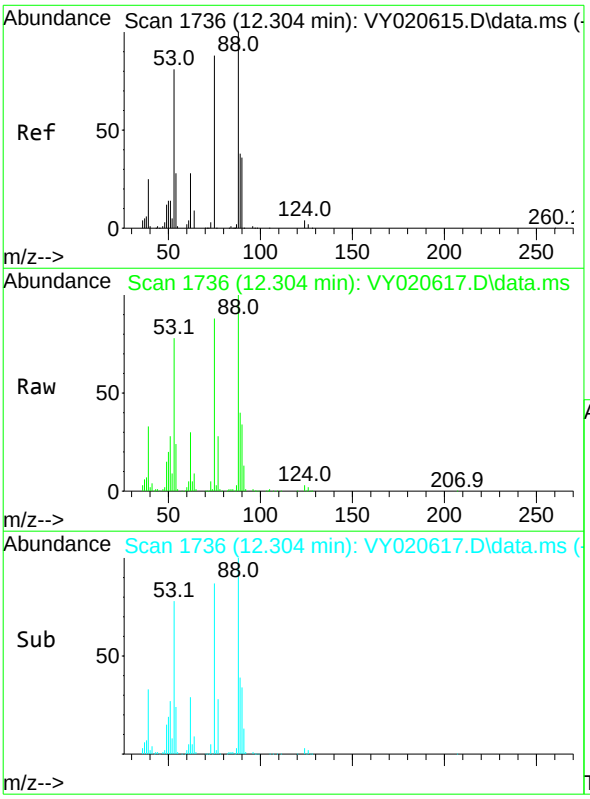
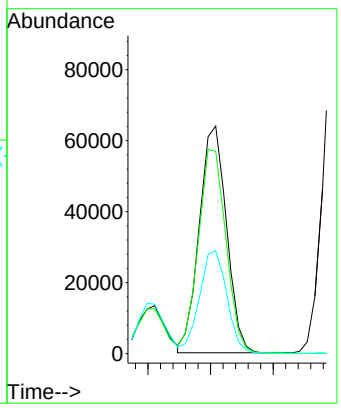


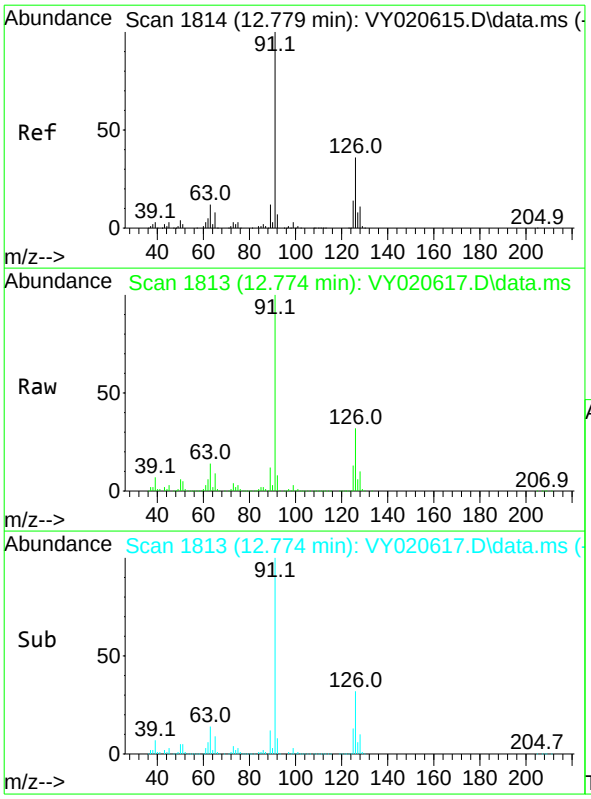


#81
trans-1,4-Dichloro-2-butene
Concen: 143.899 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

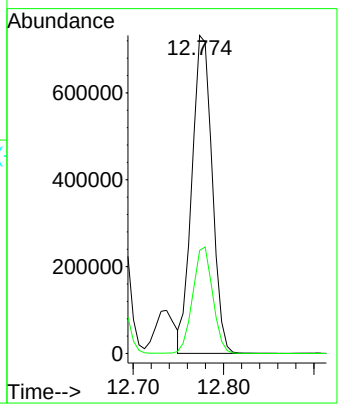




#82
4-Chlorotoluene
Concen: 136.190 ug/l
RT: 12.774 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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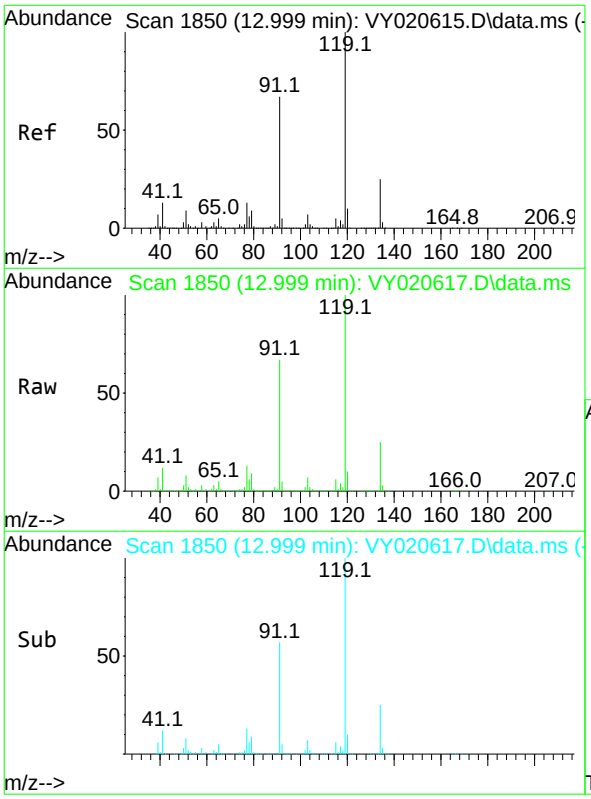
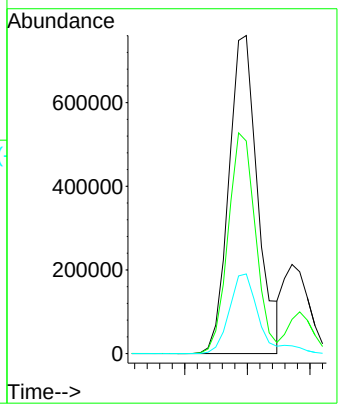
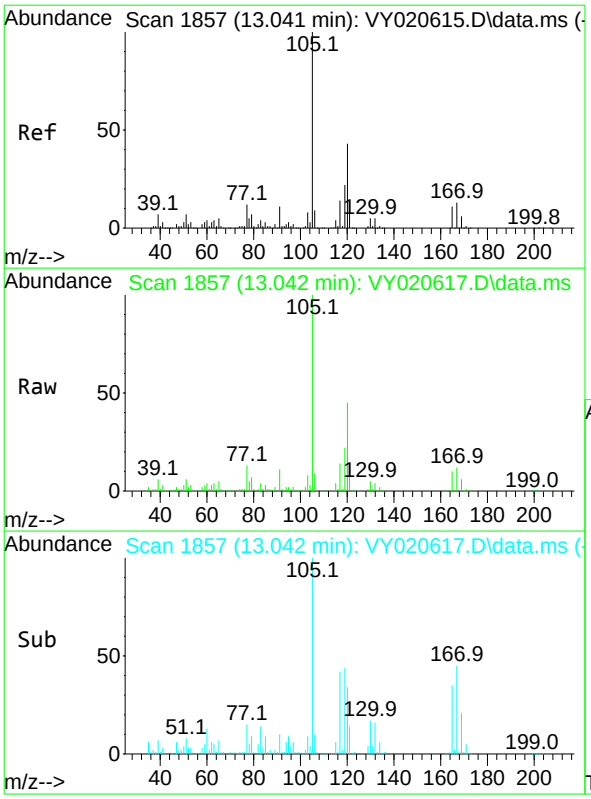


#83
tert-Butylbenzene
Concen: 139.985 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

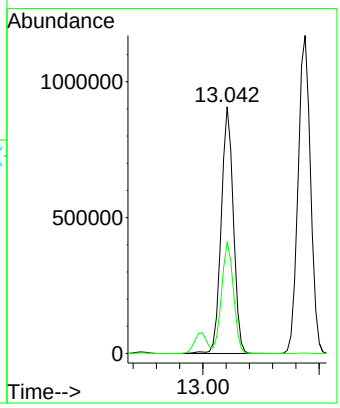




#84
1,2,4-Trimethylbenzene
Concen: 139.253 ug/l
RT: 13.042 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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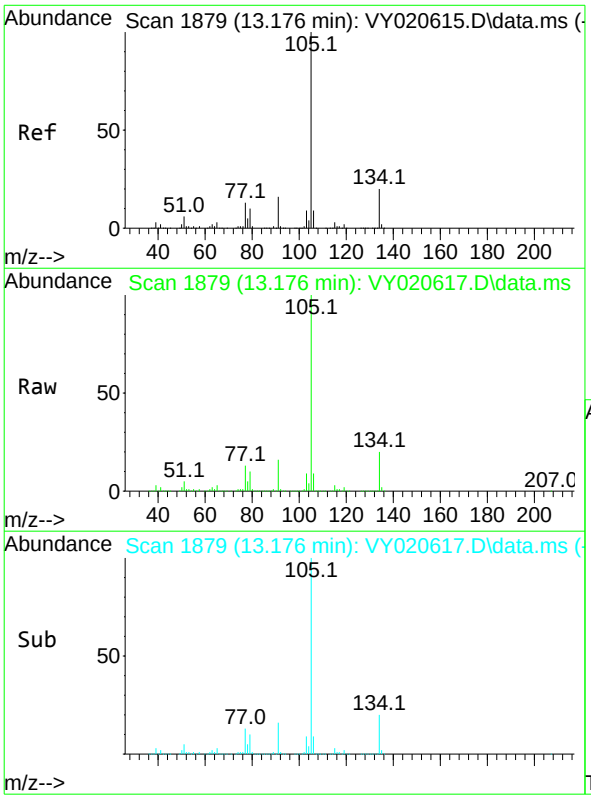
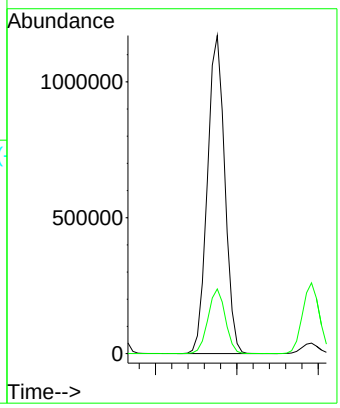
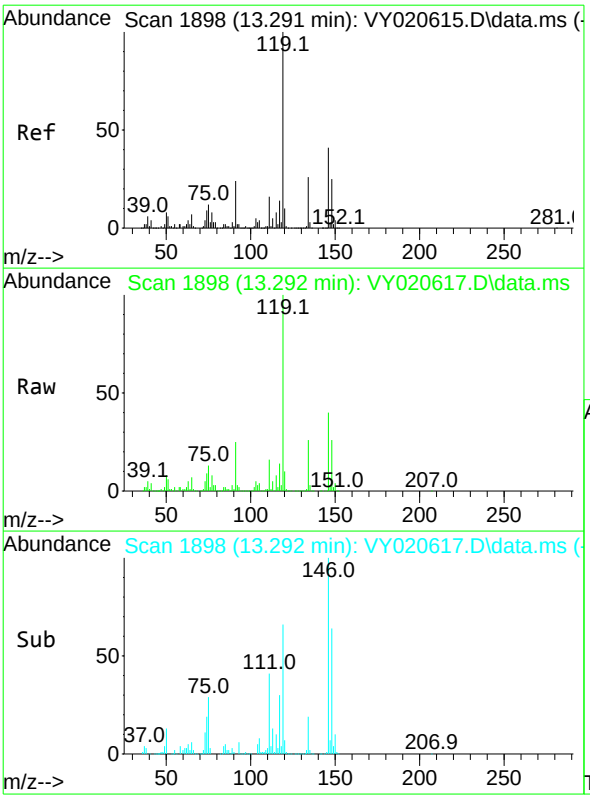


#85
sec-Butylbenzene
Concen: 137.147 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1737212

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

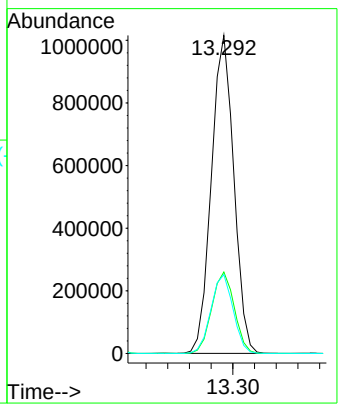




#86
p-Isopropyltoluene
Concen: 139.472 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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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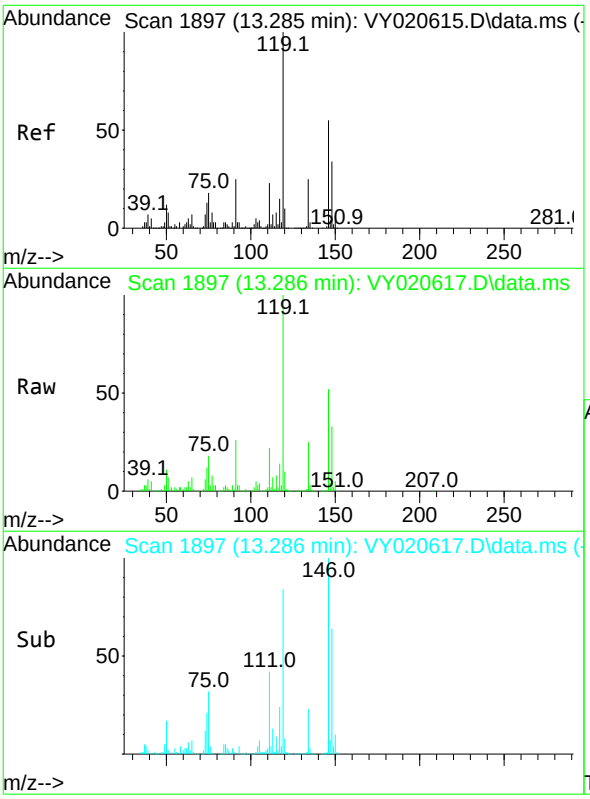
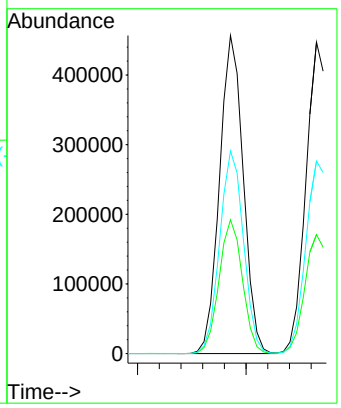
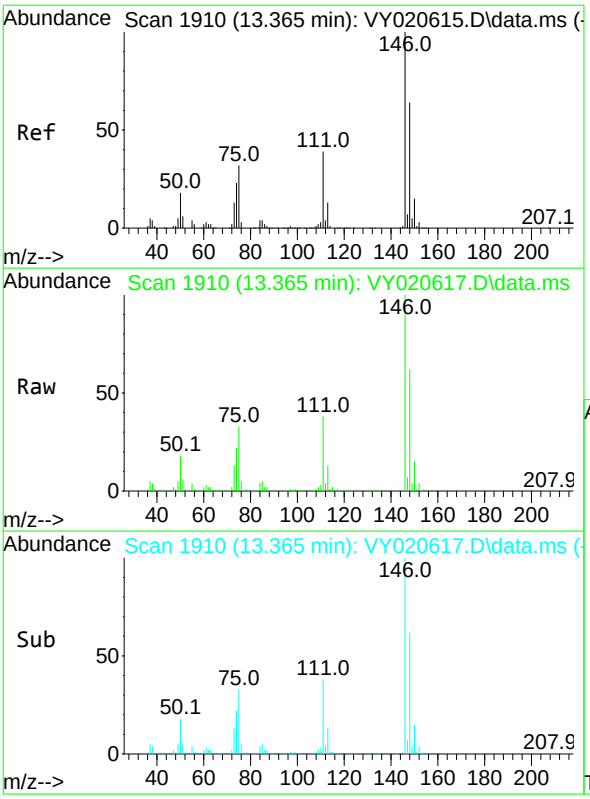


#87
1,3-Dichlorobenzene
Concen: 136.109 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

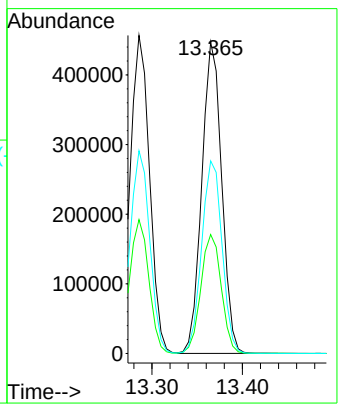




#88
1,4-Dichlorobenzene
Concen: 135.587 ug/l
RT: 13.365 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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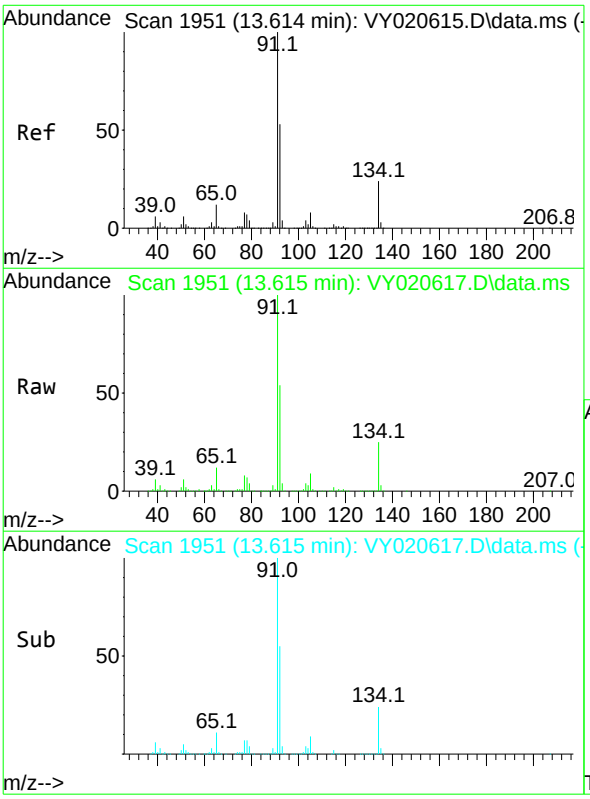
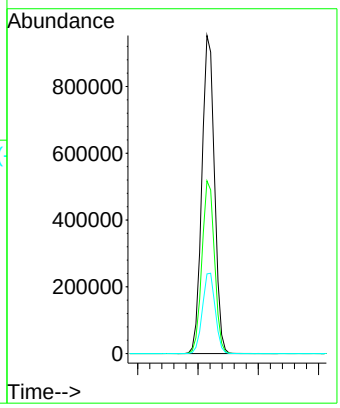
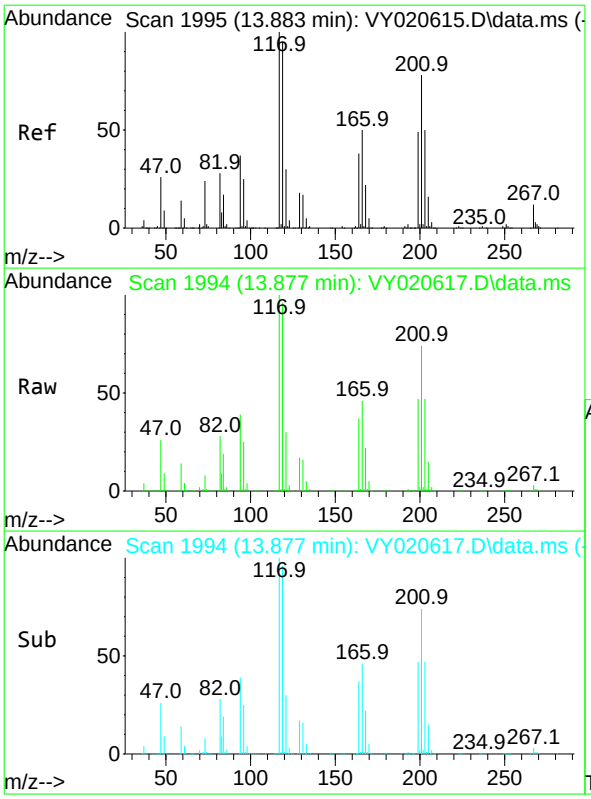


#89
n-Butylbenzene
Concen: 139.722 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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
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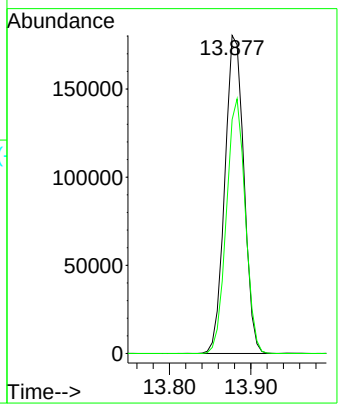
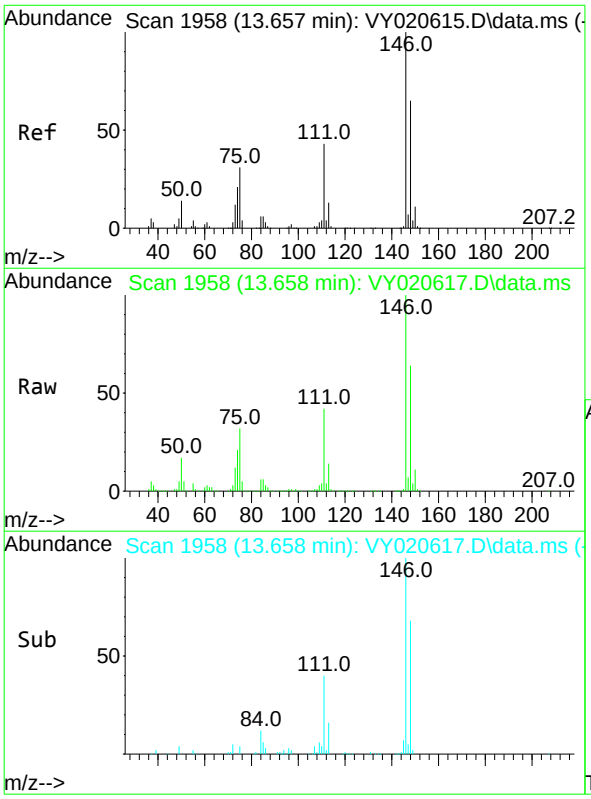
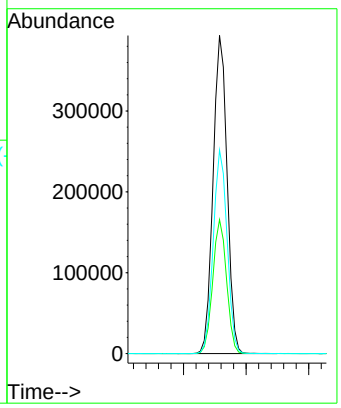


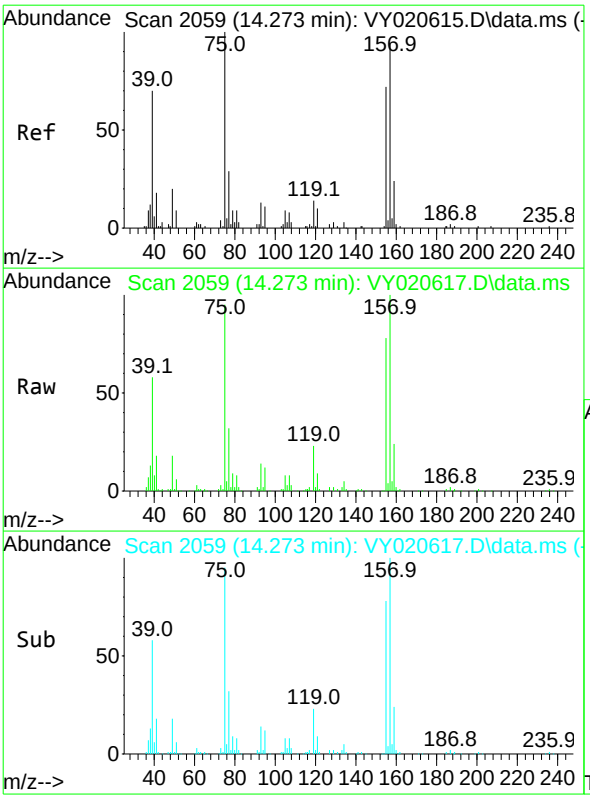


#91
1,2-Dichlorobenzene
Concen: 138.532 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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
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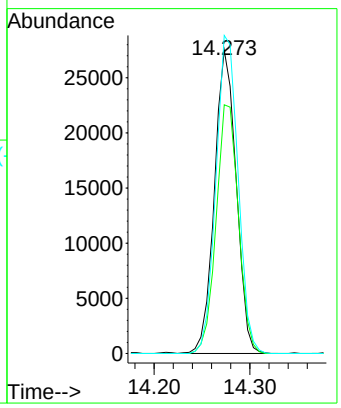
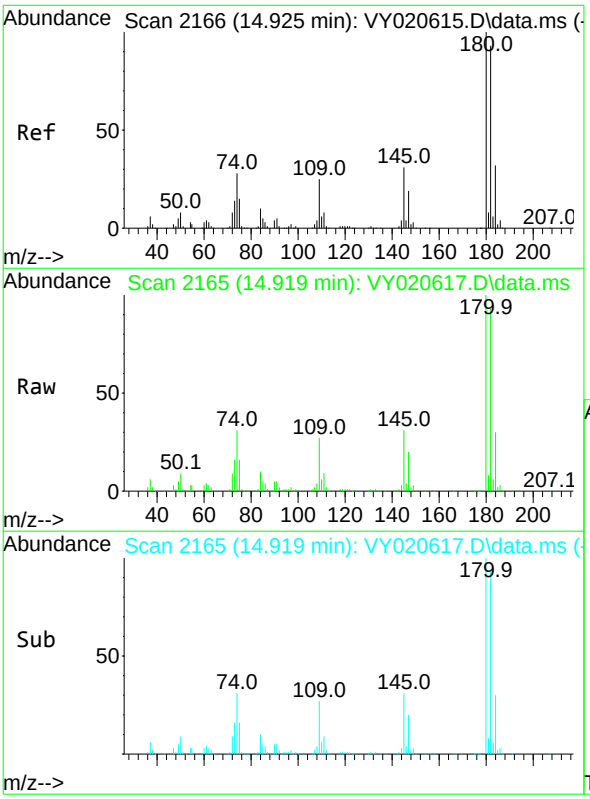
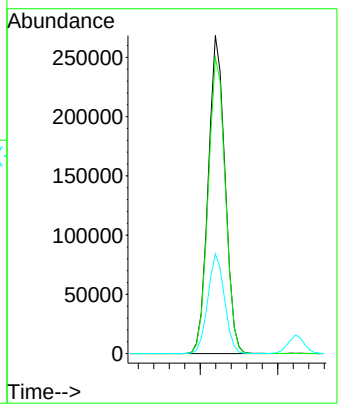


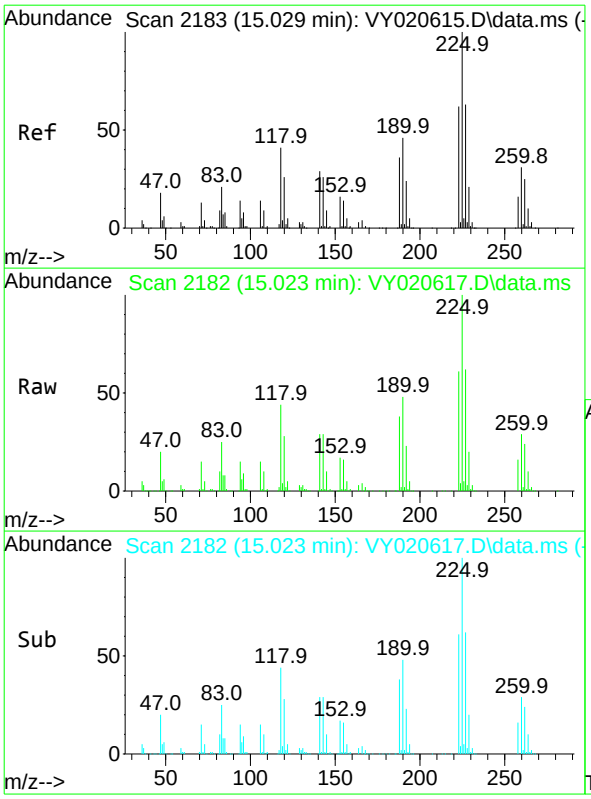


#93
1,2,4-Trichlorobenzene
Concen: 151.011 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

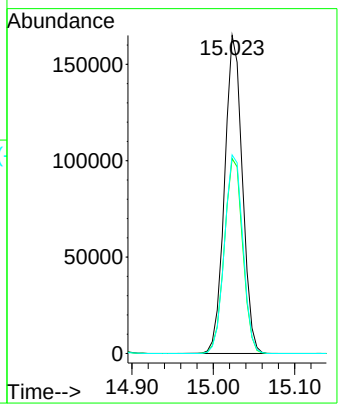




#94
Hexachlorobutadiene
Concen: 143.145 ug/l
RT: 15.023 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

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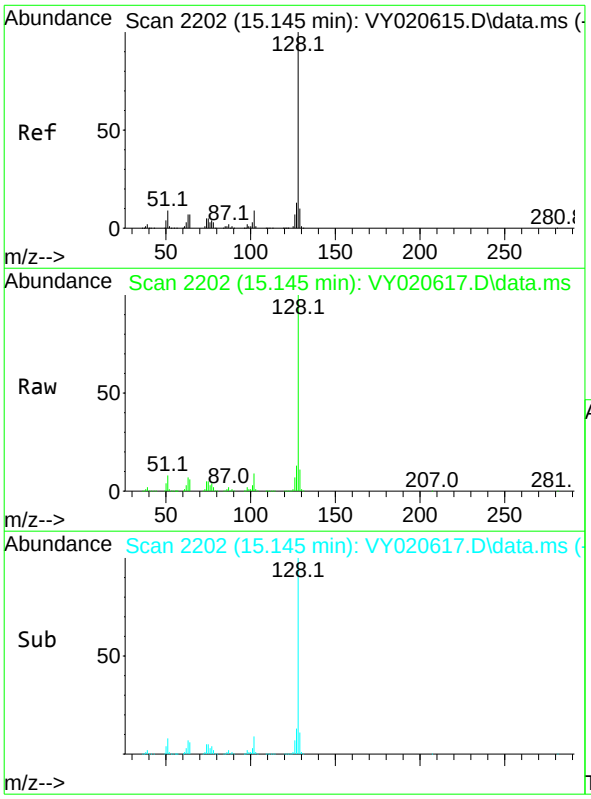
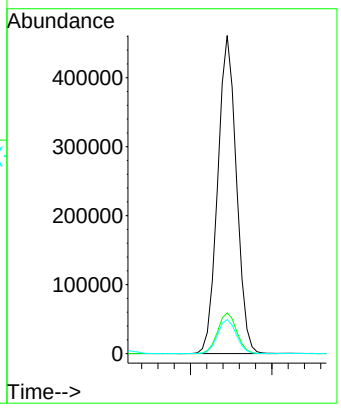
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

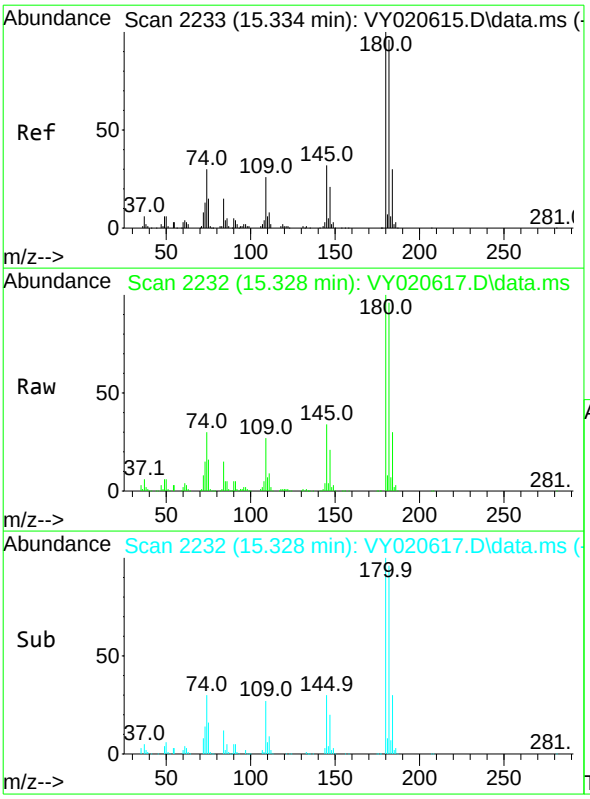


#95
Naphthalene
Concen: 160.836 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

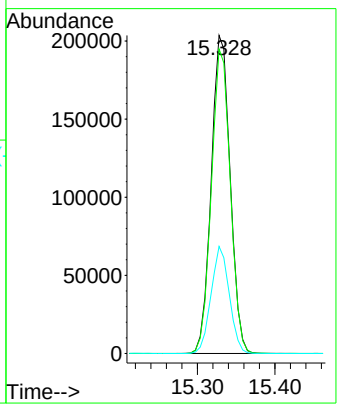




#96
1,2,3-Trichlorobenzene
Concen: 152.787 ug/l
RT: 15.328 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

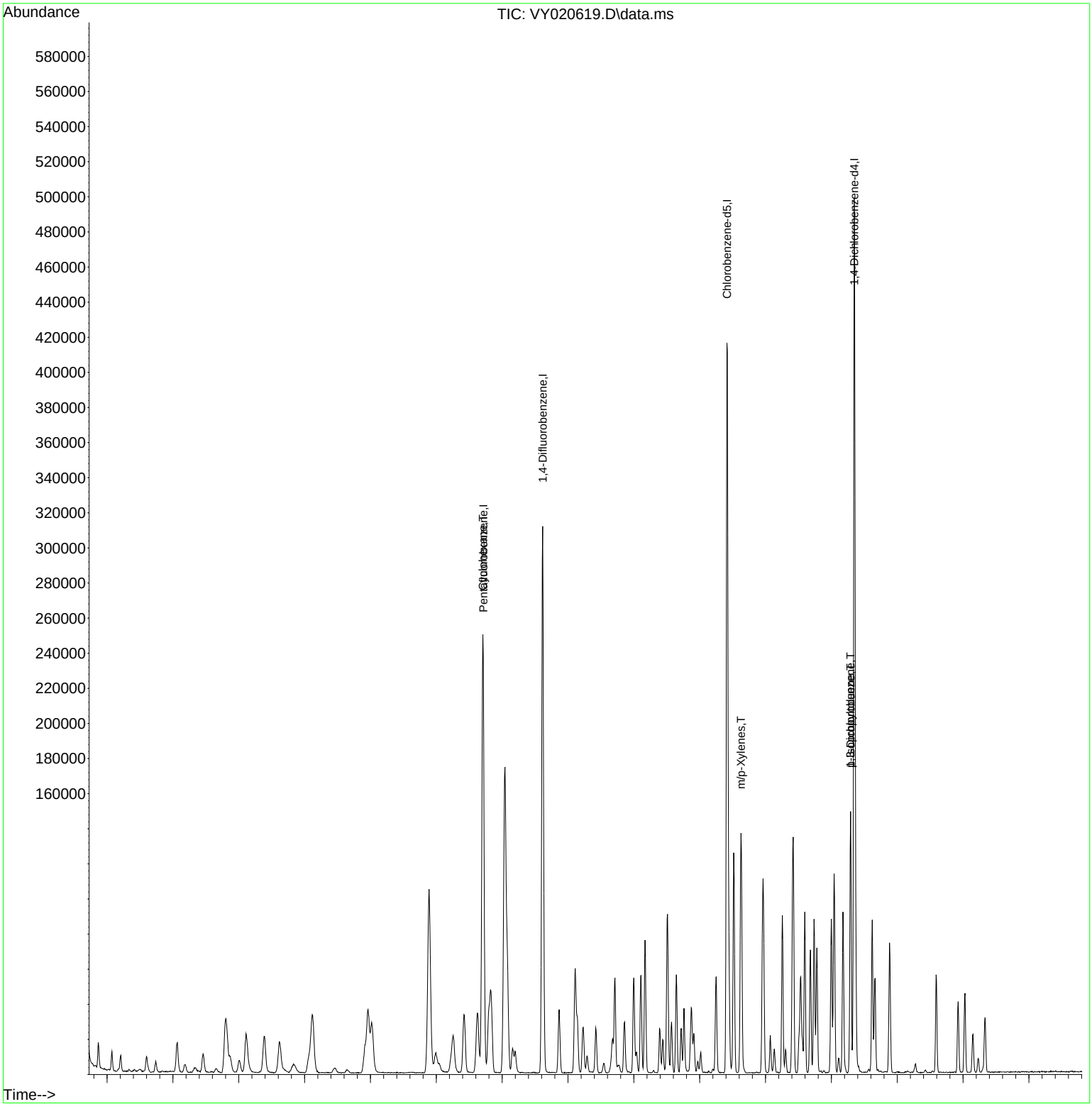
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

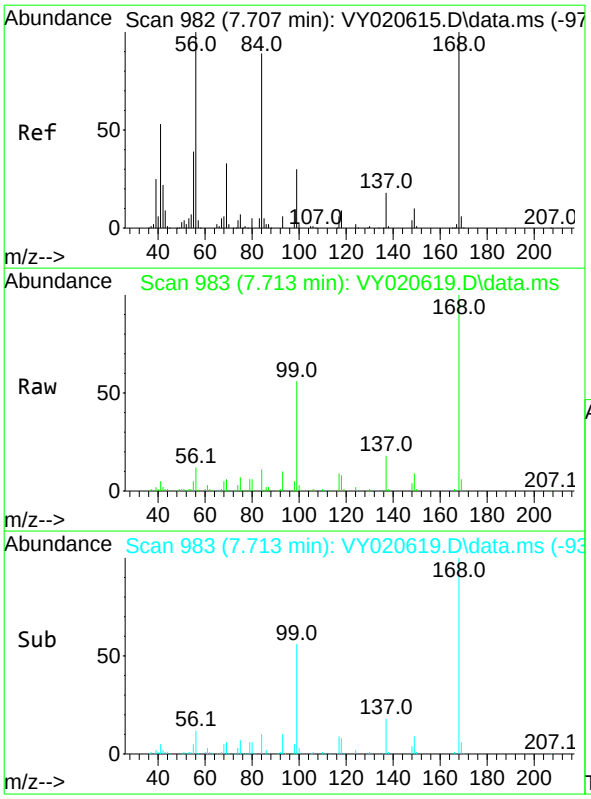
Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

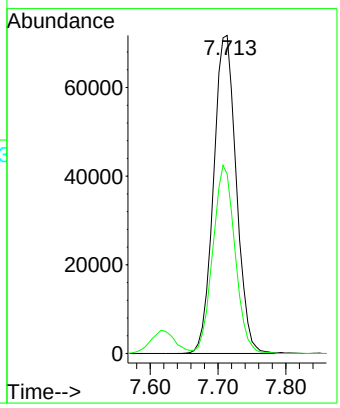




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:168 Resp: 167036

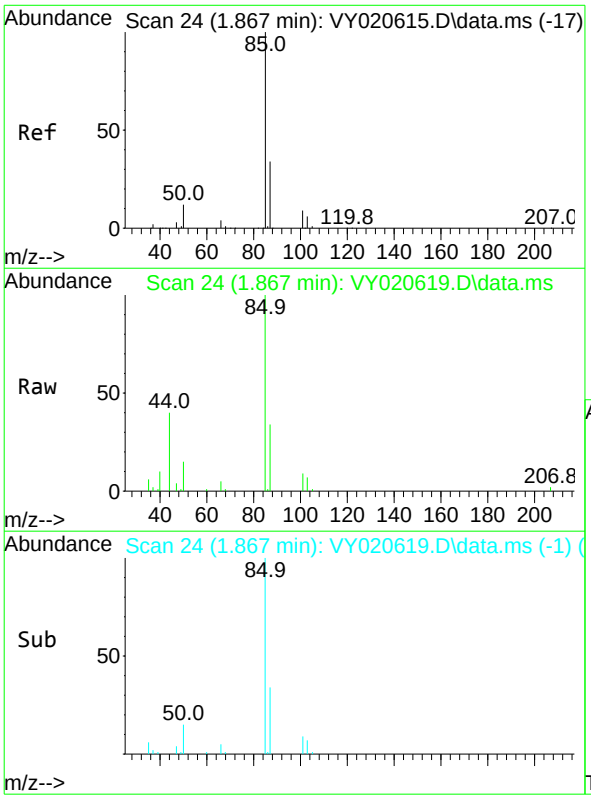
Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

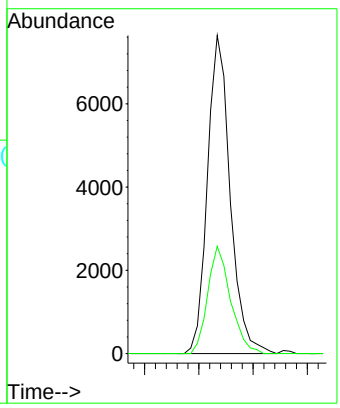
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

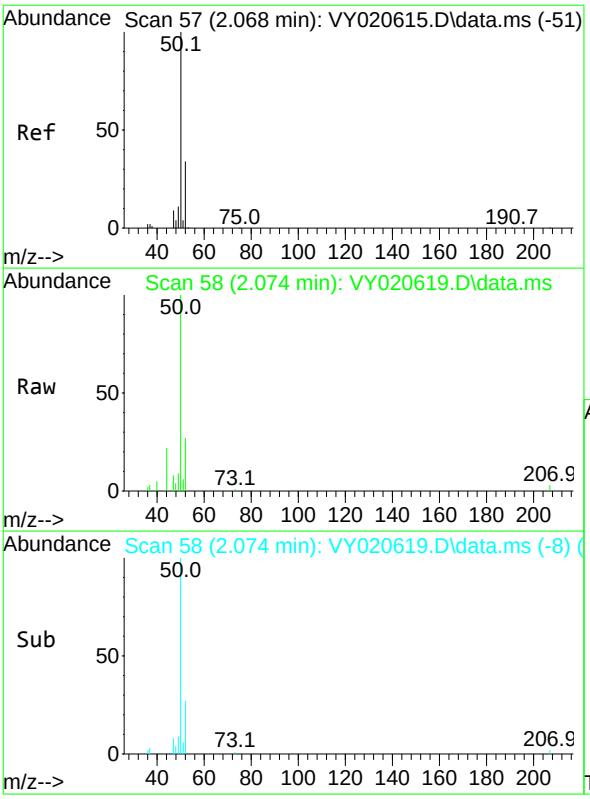


#2
Dichlorodifluoromethane
Concen: 5.326 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 85 Resp: 11112

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.8	50.3

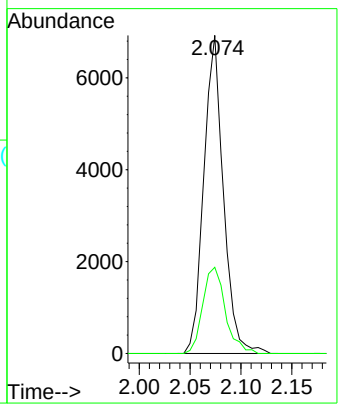




#3
Chloromethane
Concen: 5.994 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 50 Resp: 9266

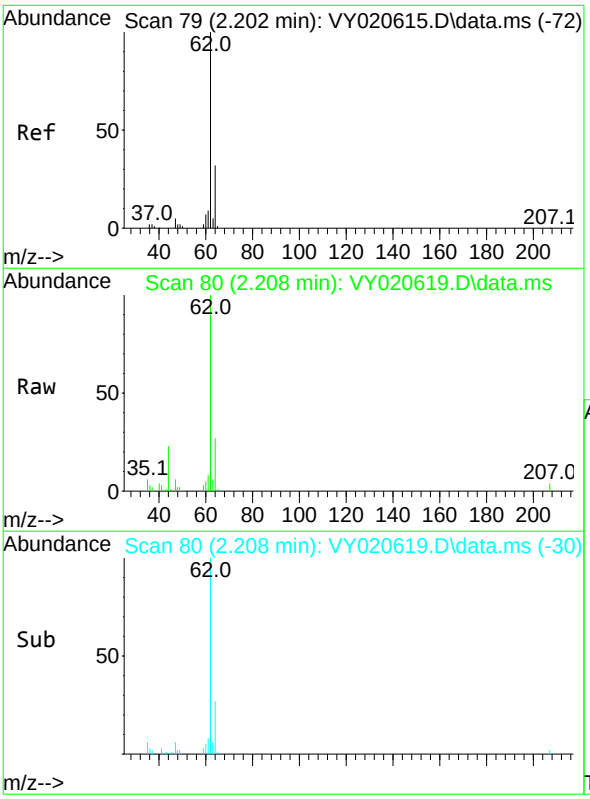
Ion	Ratio	Lower	Upper
50	100		
52	27.1	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

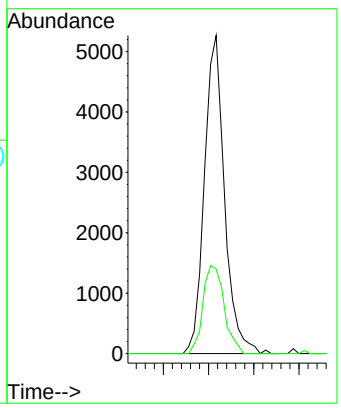
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

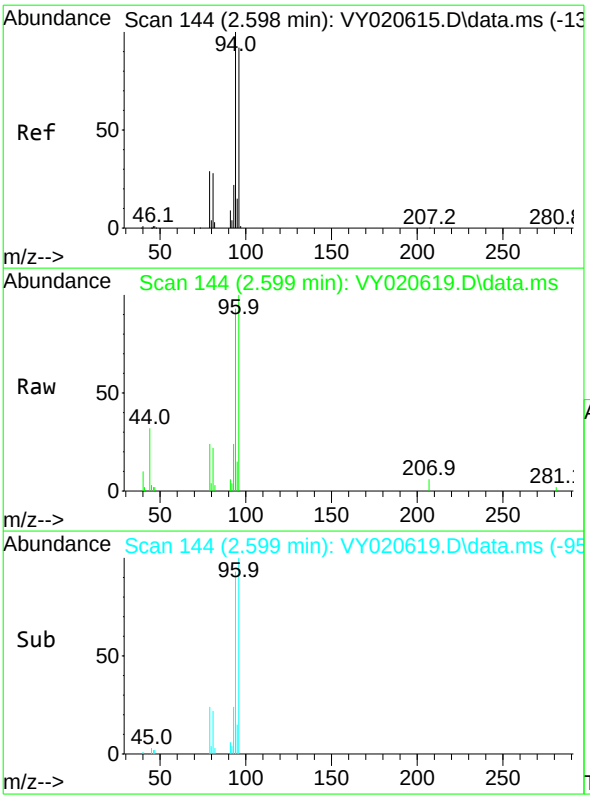


#4
Vinyl Chloride
Concen: 5.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 8140

Ion	Ratio	Lower	Upper
62	100		
64	26.6	25.3	37.9

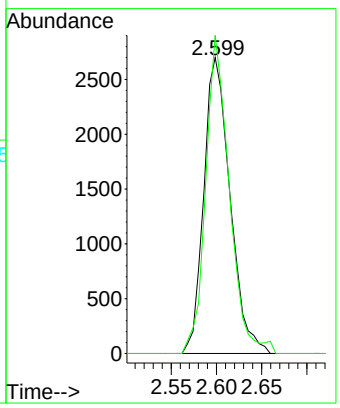




#5
Bromomethane
Concen: 5.906 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 94 Resp: 5462

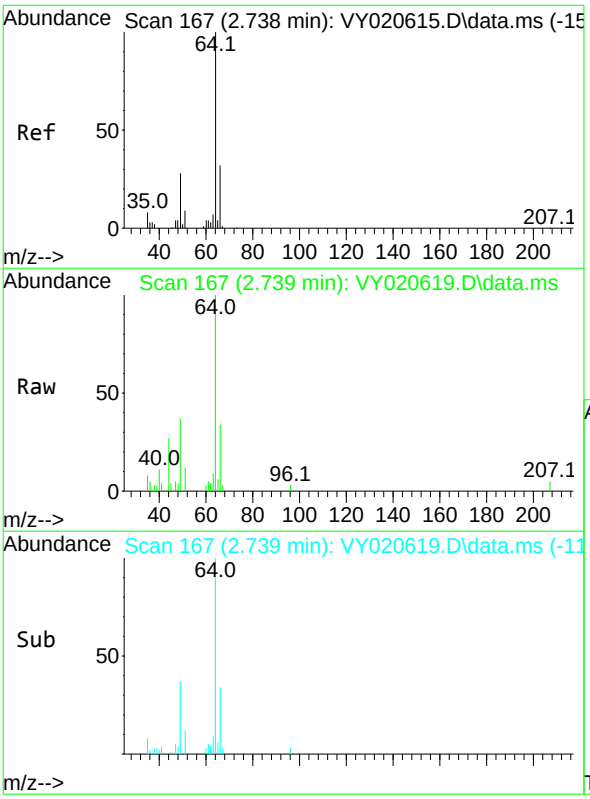
Ion	Ratio	Lower	Upper
94	100		
96	107.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

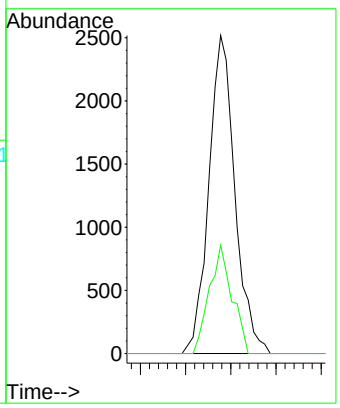
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

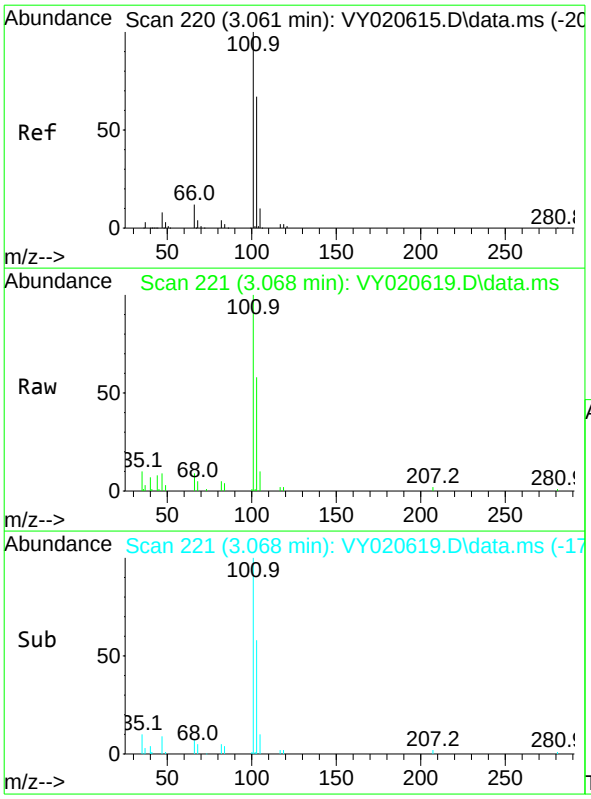


#6
Chloroethane
Concen: 5.667 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 64 Resp: 5039

Ion	Ratio	Lower	Upper
64	100		
66	34.1	25.8	38.6

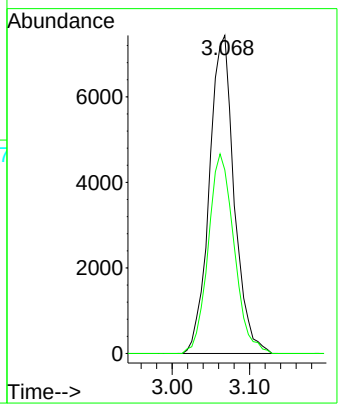




#7
Trichlorofluoromethane
Concen: 5.509 ug/l
RT: 3.068 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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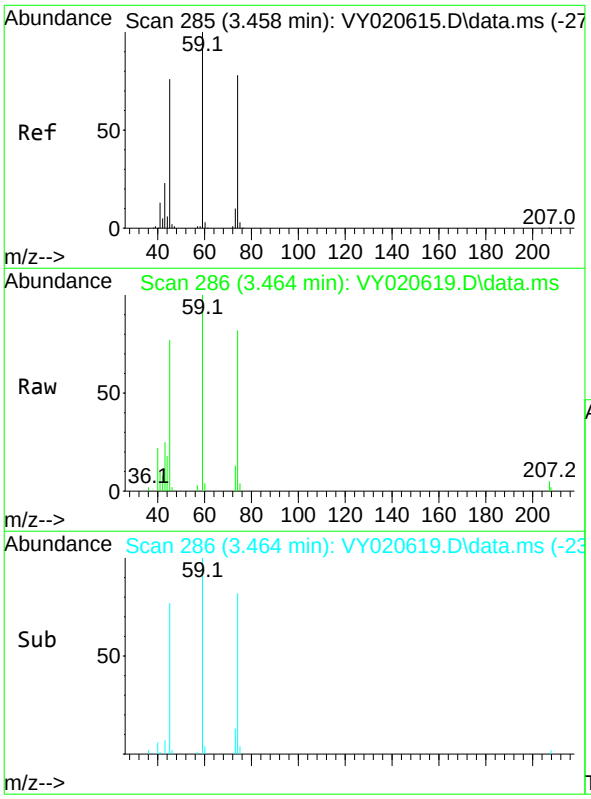
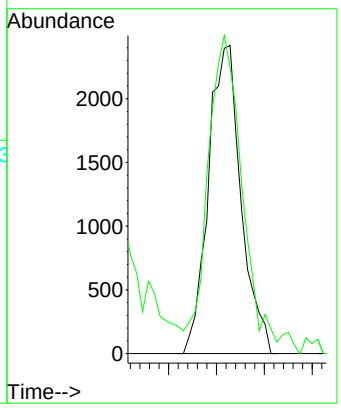
Supervised By :Semsettin Yesilyurt 12/18/2024

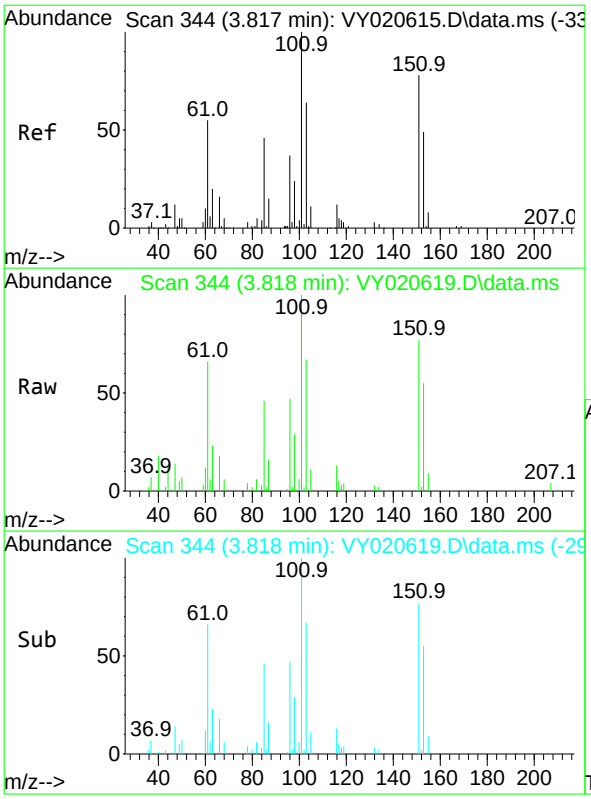


#8
Diethyl Ether
Concen: 5.430 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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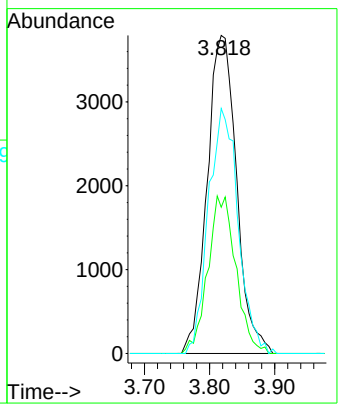
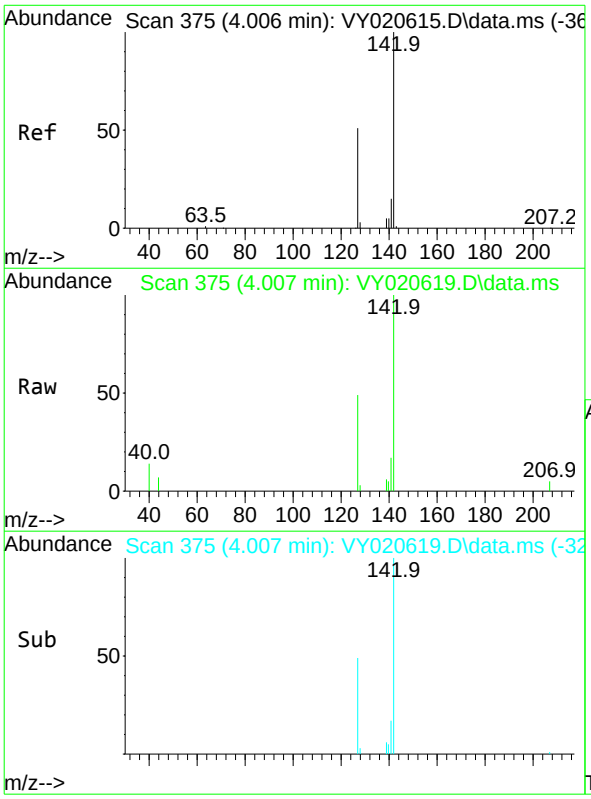
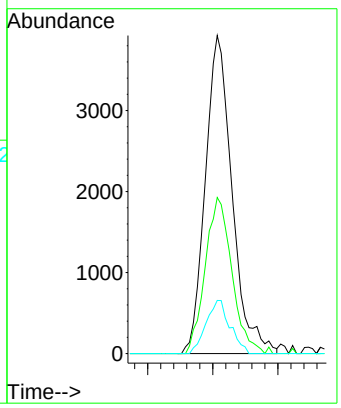


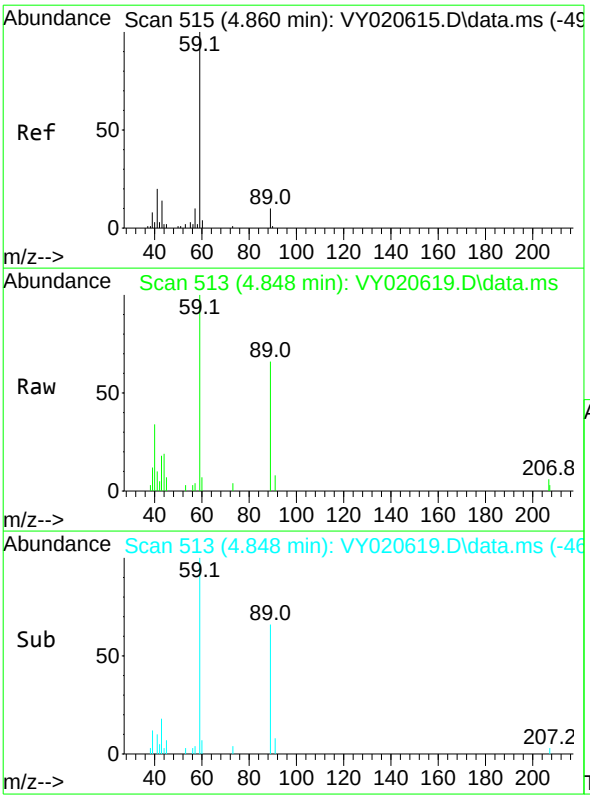


#10
Methyl Iodide
Concen: 4.660 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

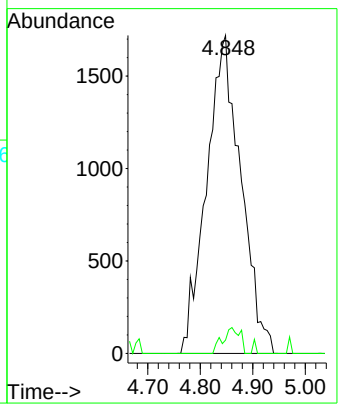




#11
Tert butyl alcohol
Concen: 12.197 ug/l
RT: 4.848 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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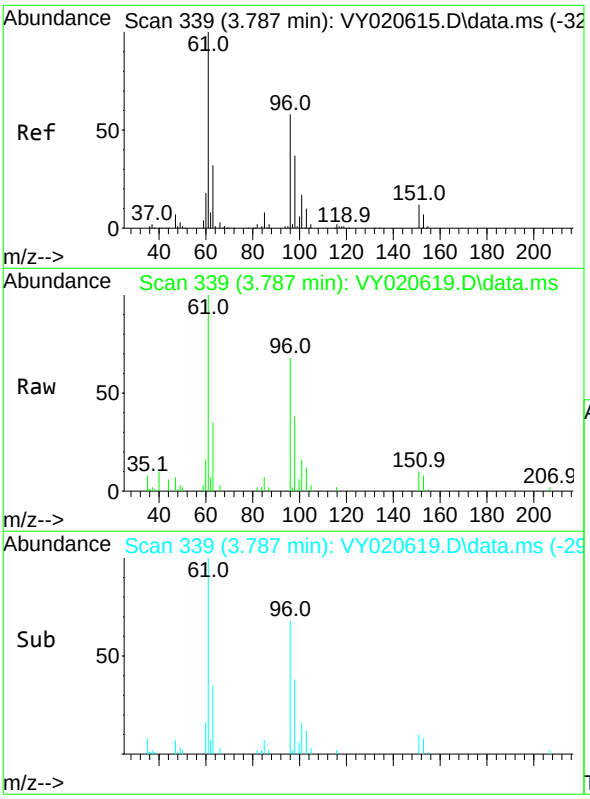
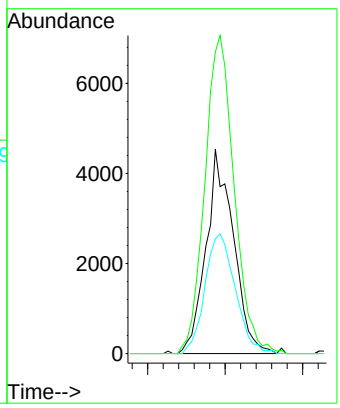
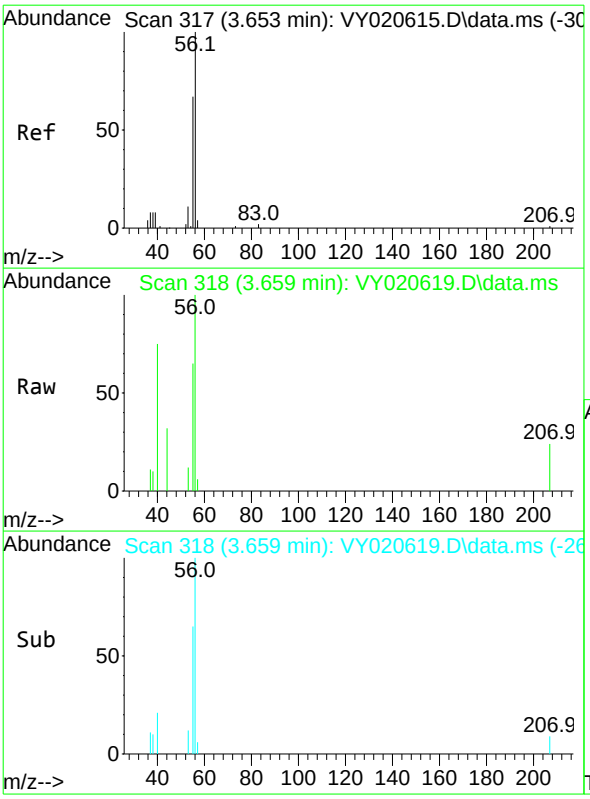


#12
1,1-Dichloroethene
Concen: 5.324 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

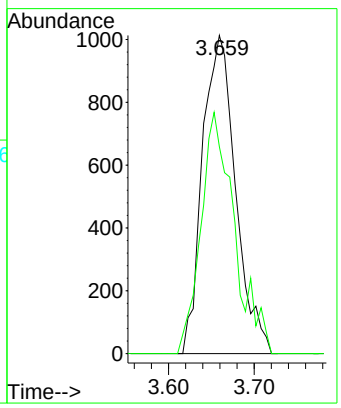




#13
Acrolein
Concen: 31.444 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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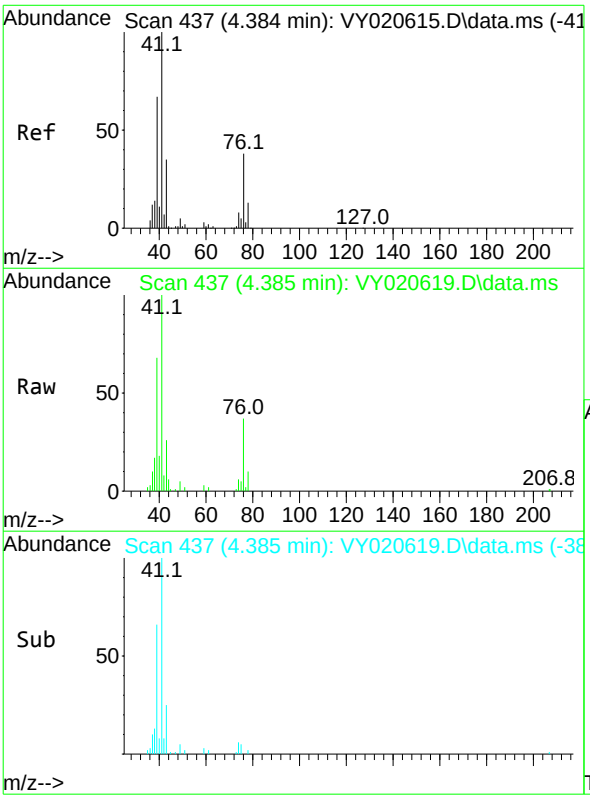
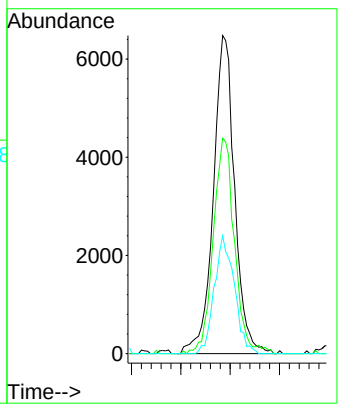
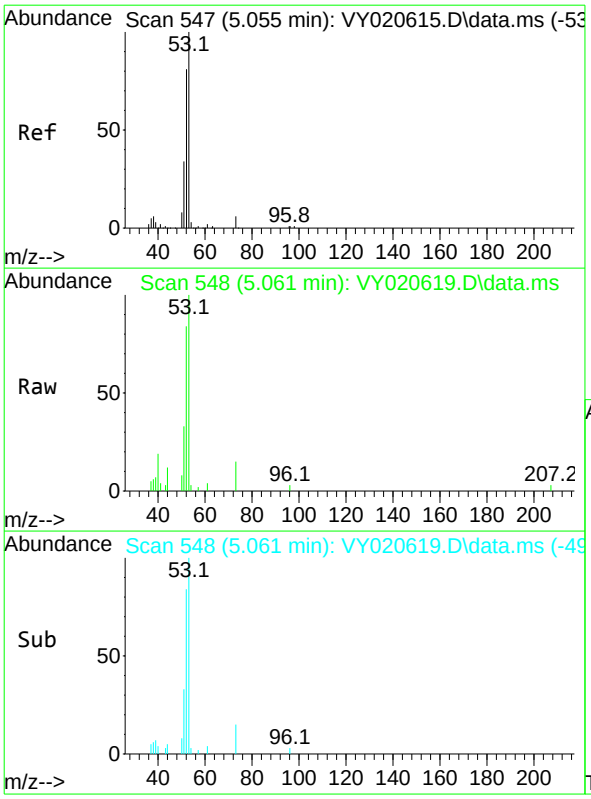


#14
Allyl chloride
Concen: 5.296 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

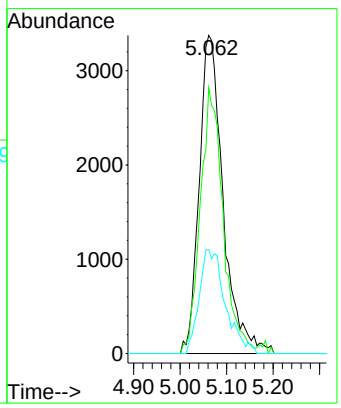




#15
Acrylonitrile
Concen: 23.869 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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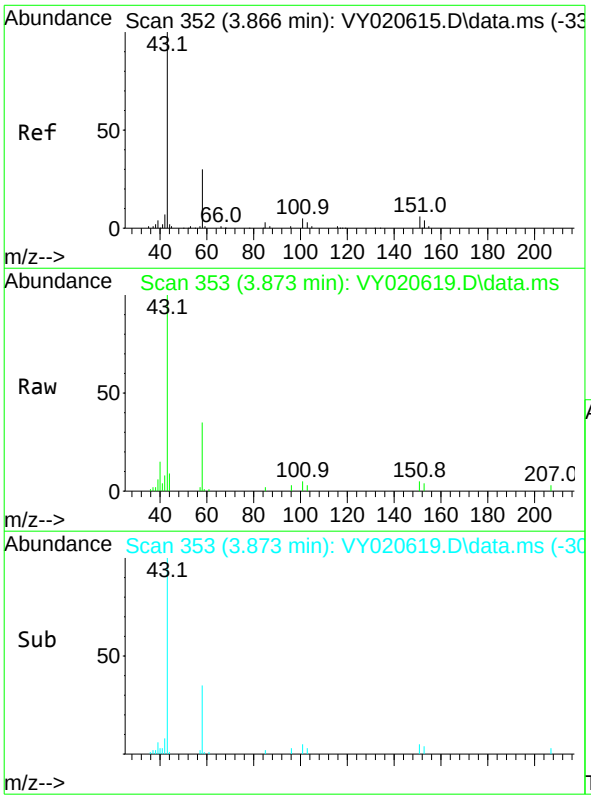
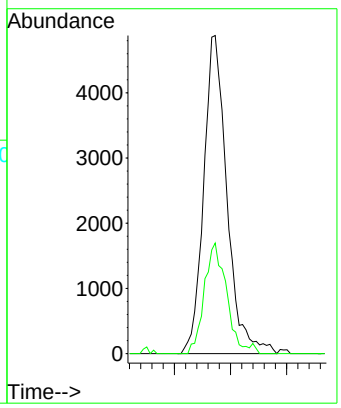
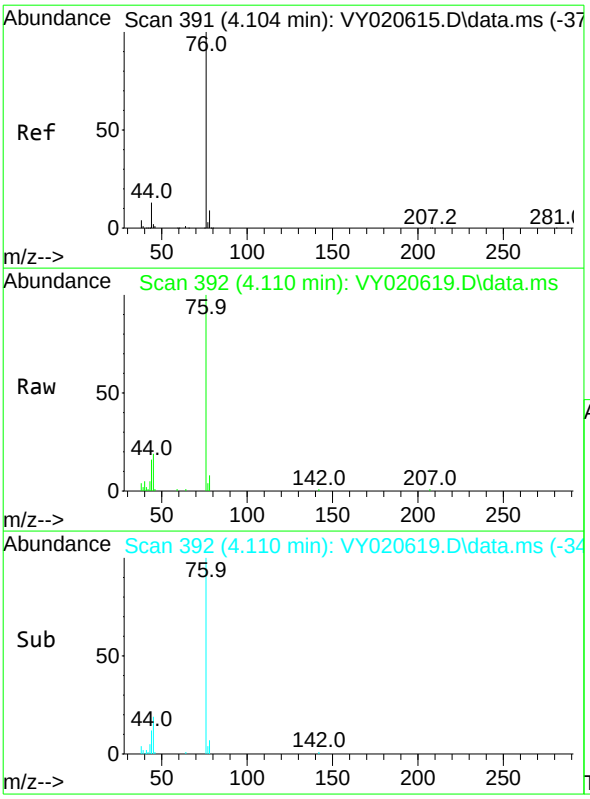


#16
Acetone
Concen: 33.023 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 14032

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.0	37.6

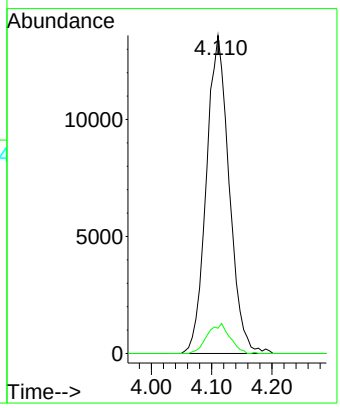




#17
Carbon Disulfide
Concen: 5.250 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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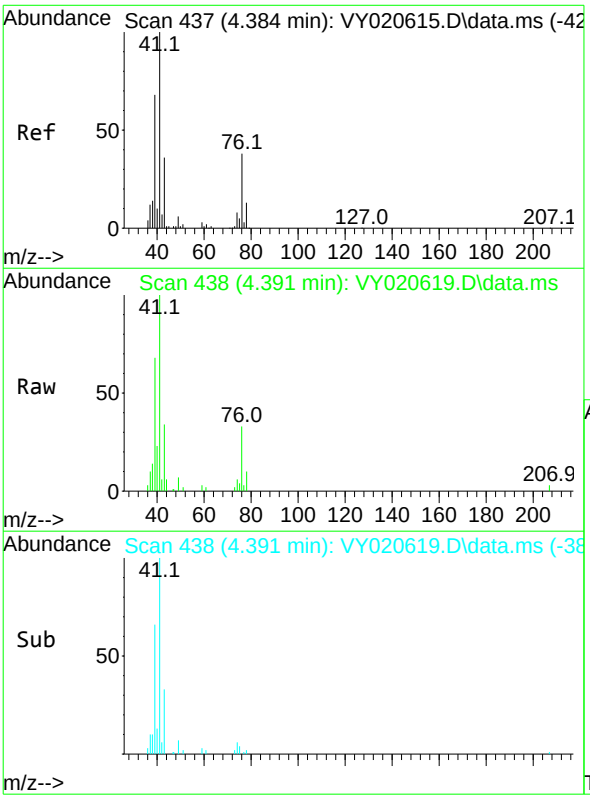
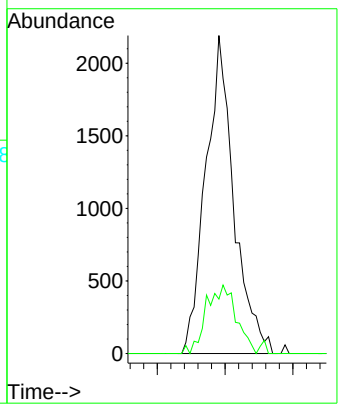
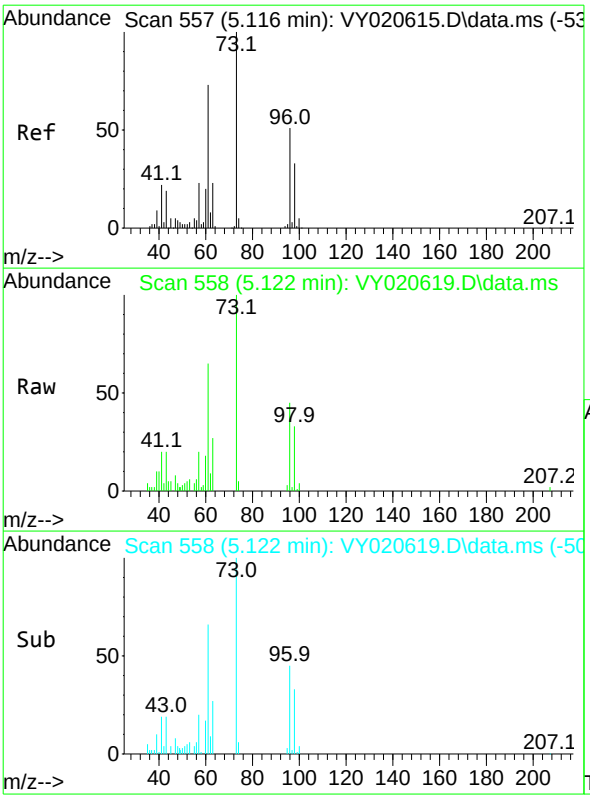


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 6311

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.2	28.8

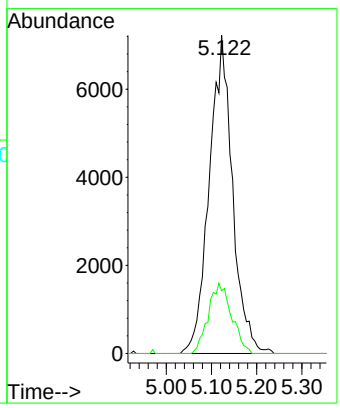




#19
Methyl tert-butyl Ether
Concen: 4.768 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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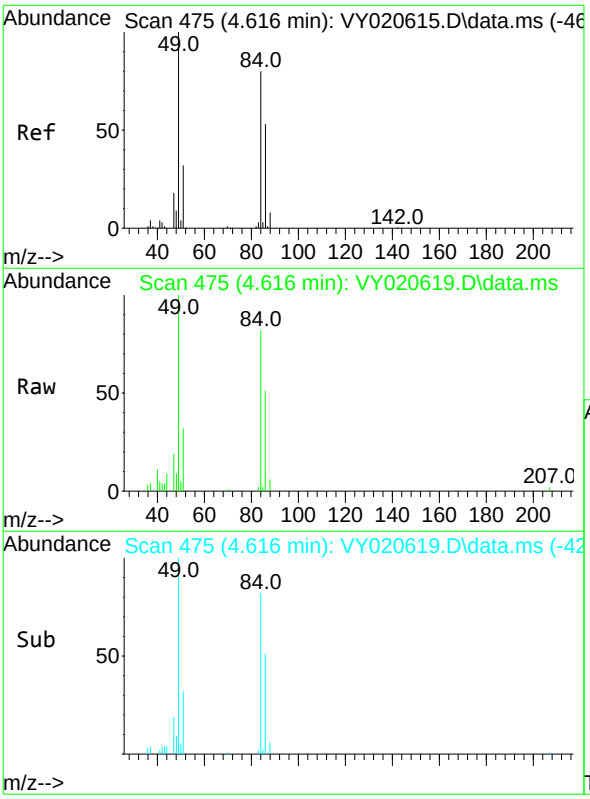
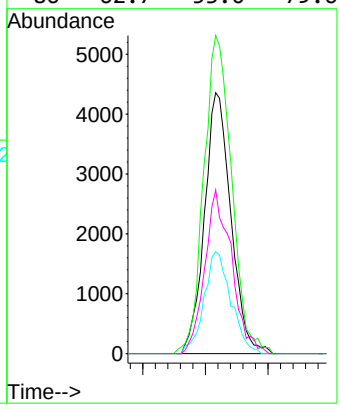
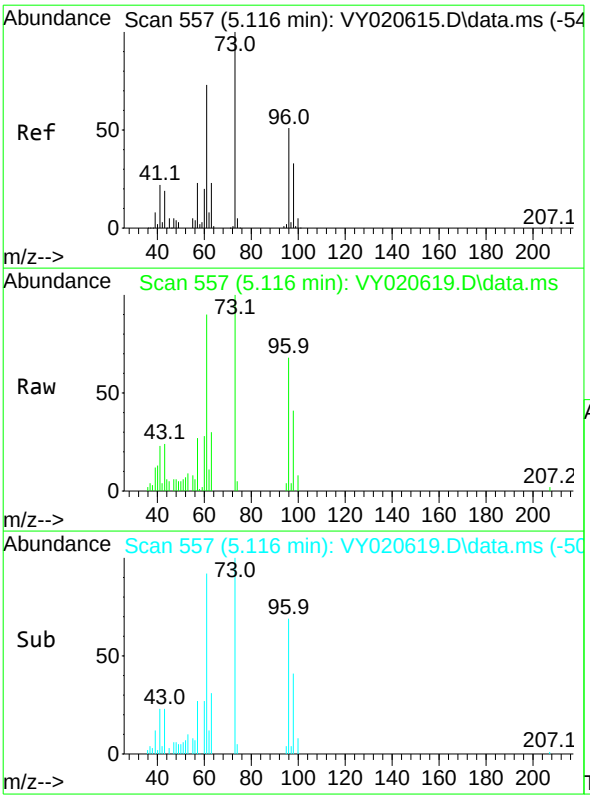


#20
Methylene Chloride
Concen: 5.624 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

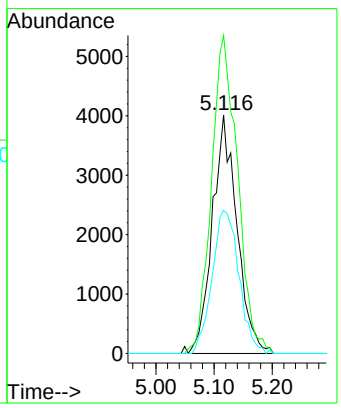




#21
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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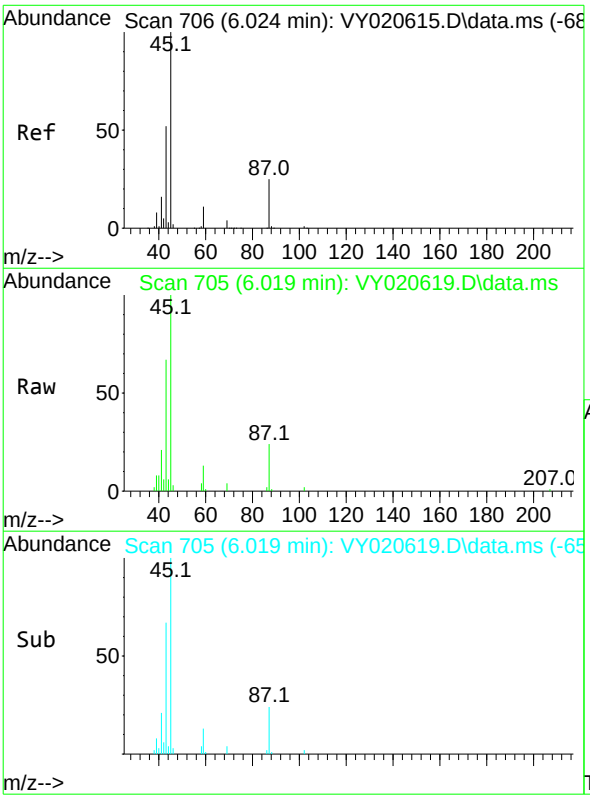
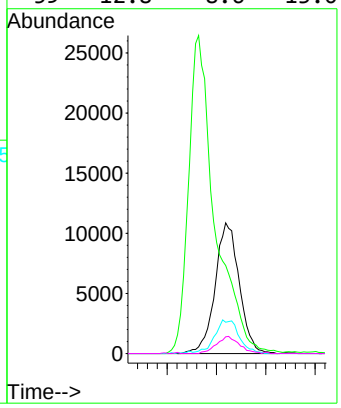
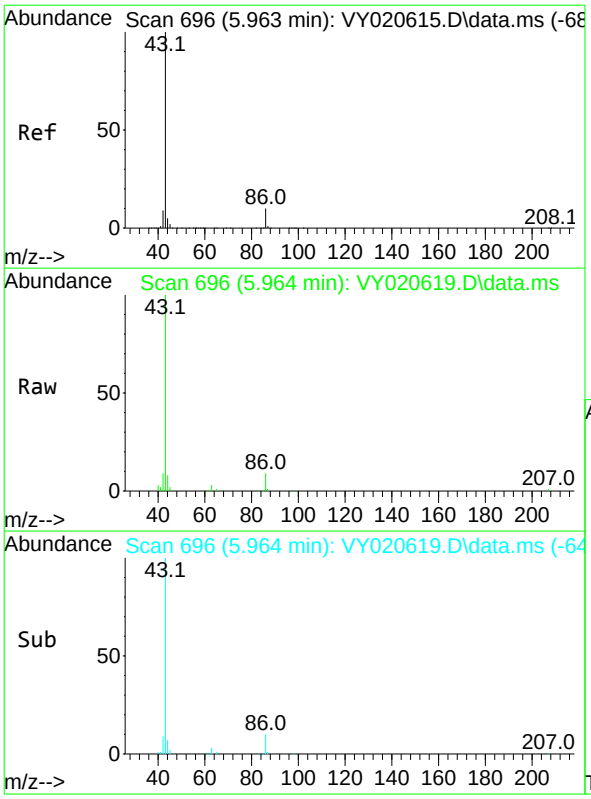


#22
Diisopropyl ether
Concen: 4.970 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

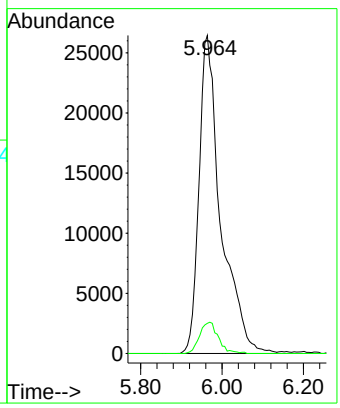




#23
Vinyl Acetate
Concen: 23.261 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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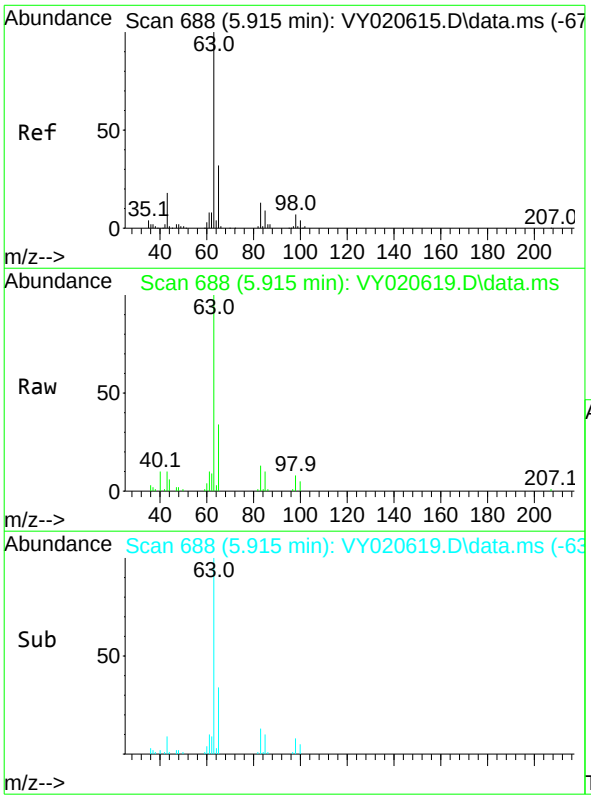
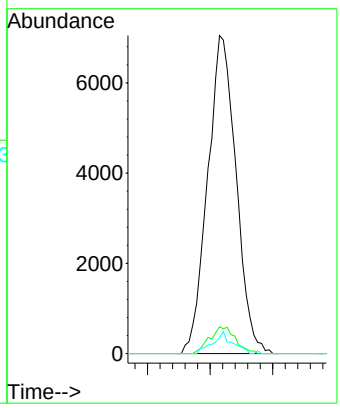
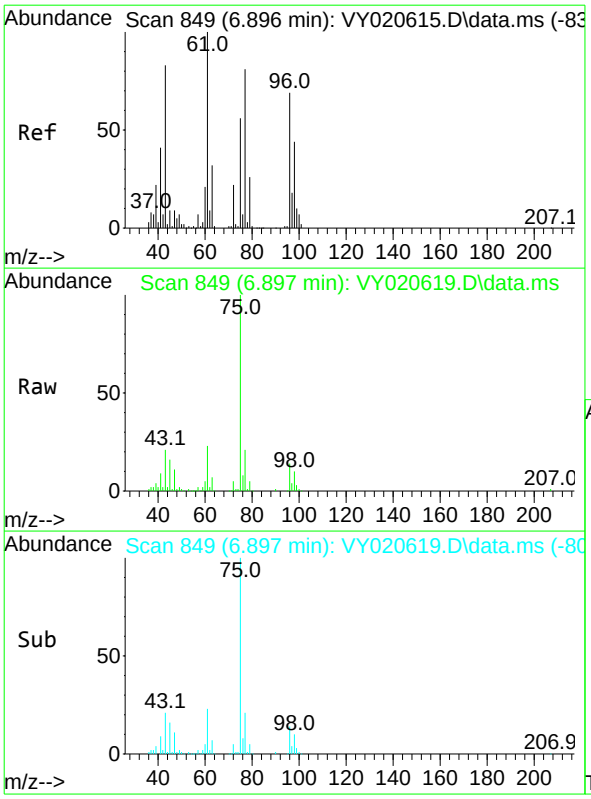


#24
1,1-Dichloroethane
Concen: 5.102 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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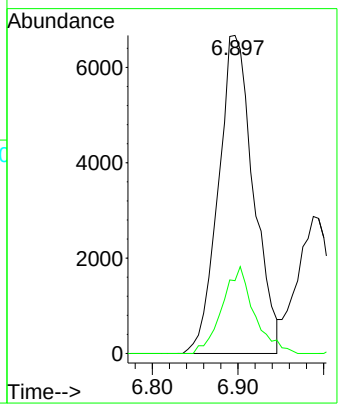
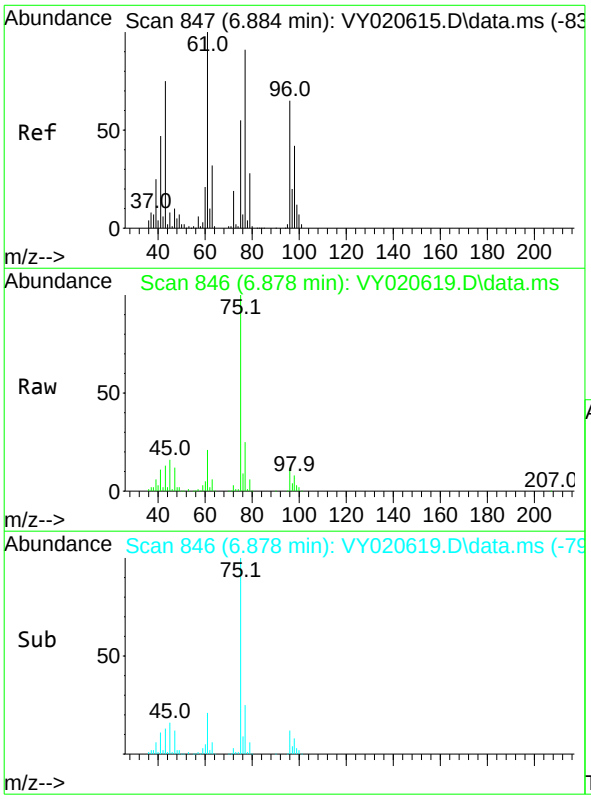
Supervised By :Semsettin Yesilyurt 12/18/2024

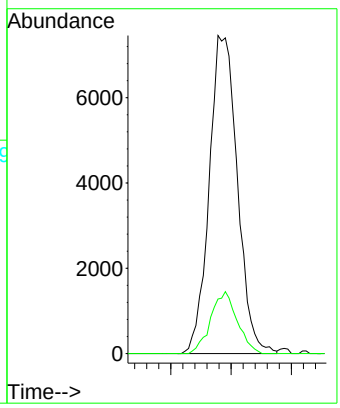


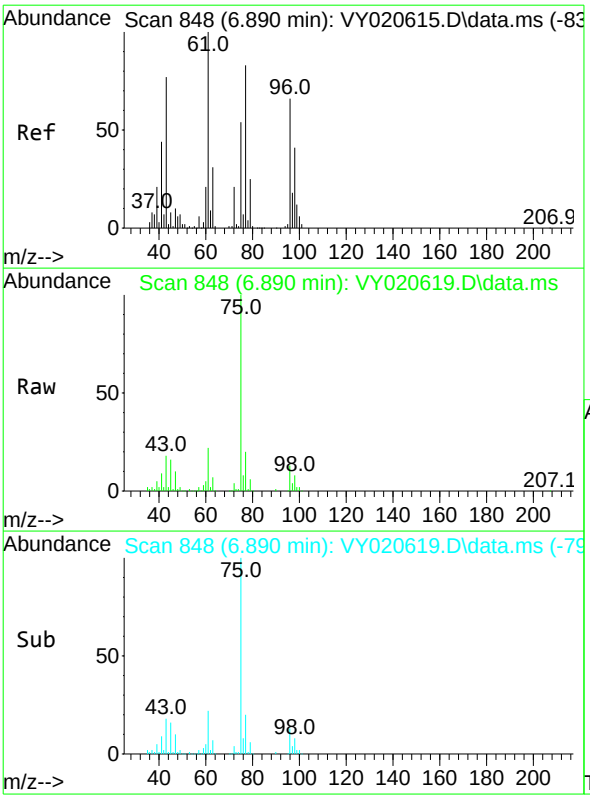


#26
2,2-Dichloropropane
Concen: 5.876 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 77 Resp: 24236

Ion	Ratio	Lower	Upper
77	100		
97	18.3	10.9	32.6

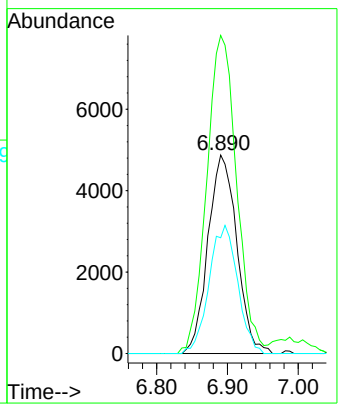




#27
cis-1,2-Dichloroethene
Concen: 5.109 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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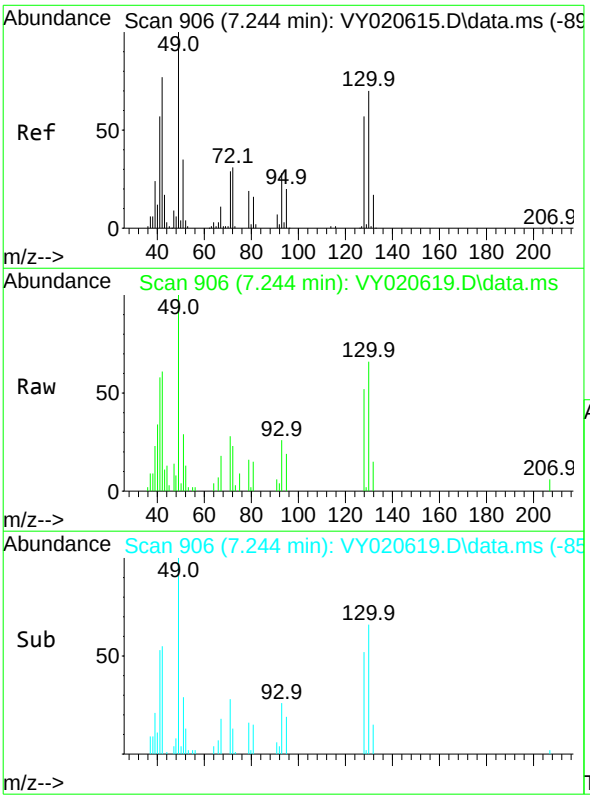
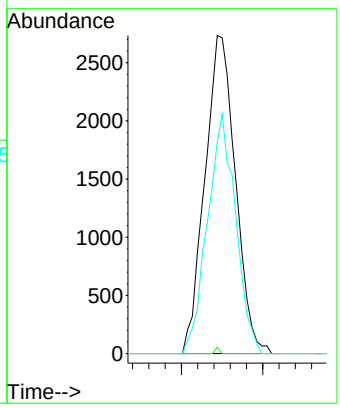
Supervised By :Semsettin Yesilyurt 12/18/2024

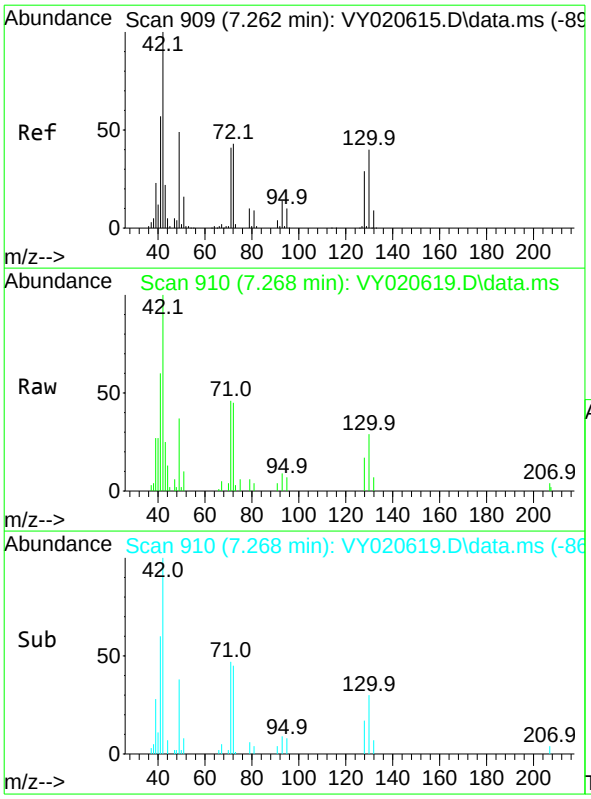


#28
Bromochloromethane
Concen: 4.844 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

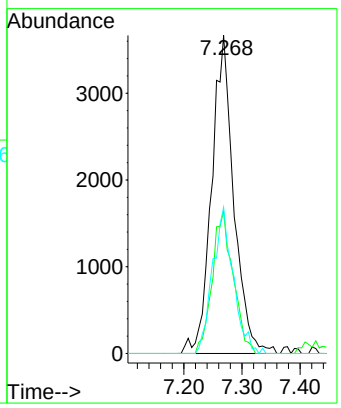




#29
Tetrahydrofuran
Concen: 22.669 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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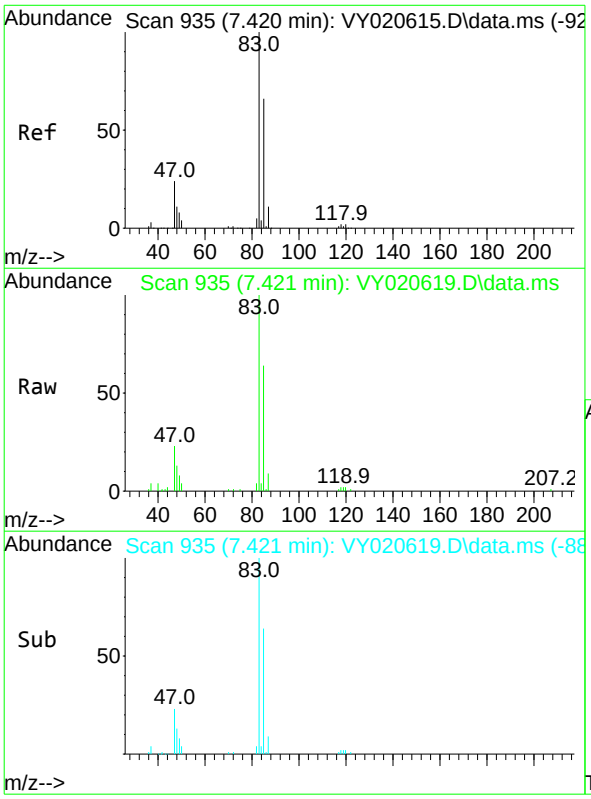
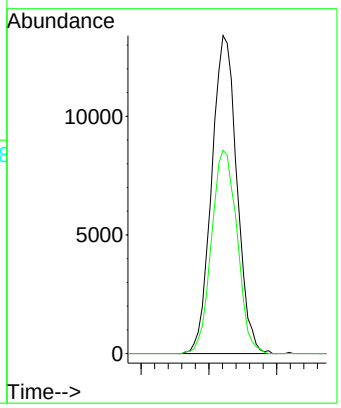
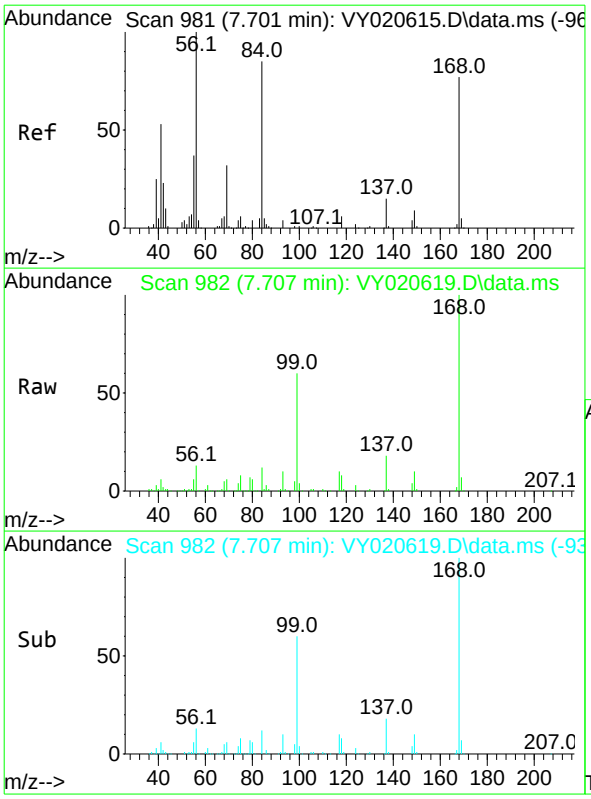


#30
Chloroform
Concen: 2.901 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 34563

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1

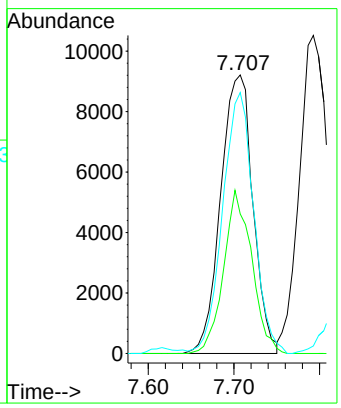




#31
Cyclohexane
Concen: 5.779 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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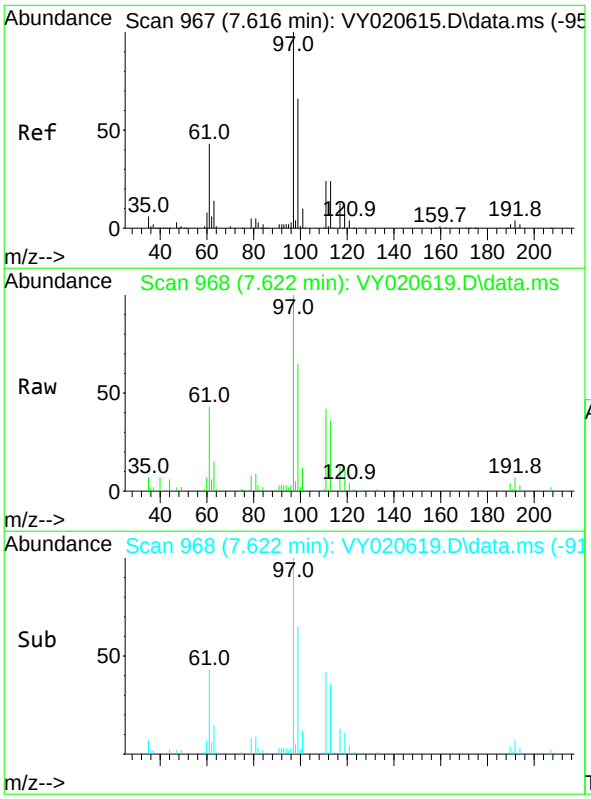
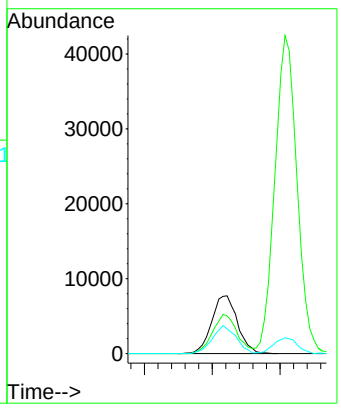
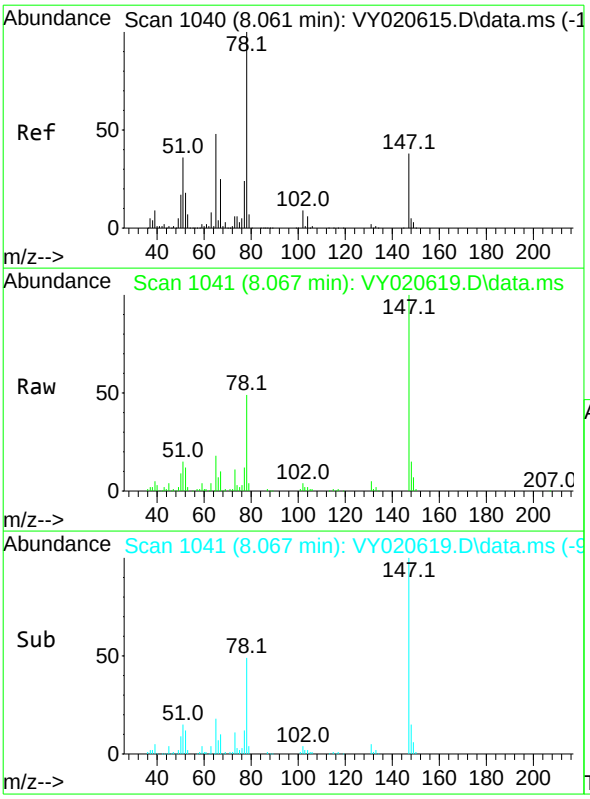


#32
1,1,1-Trichloroethane
Concen: 5.082 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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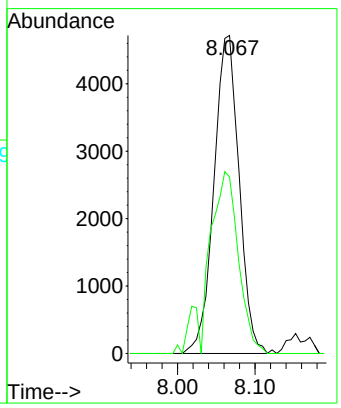
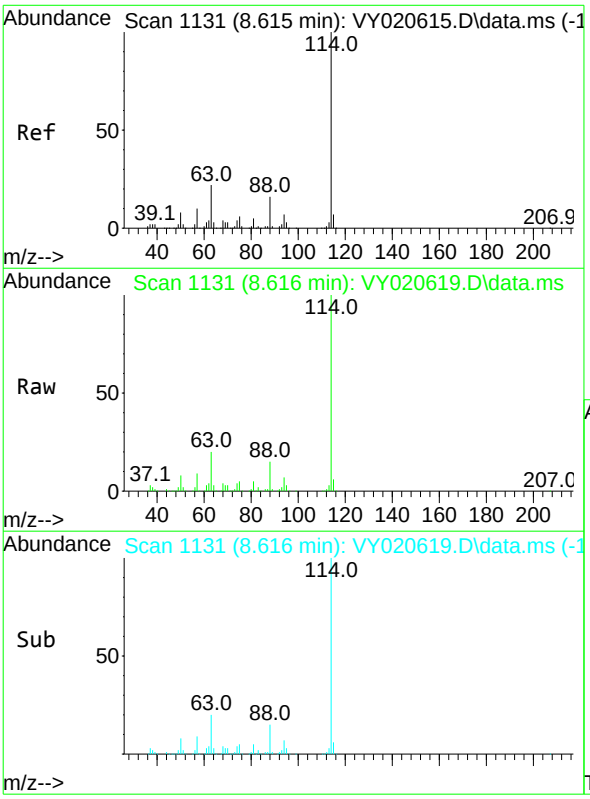
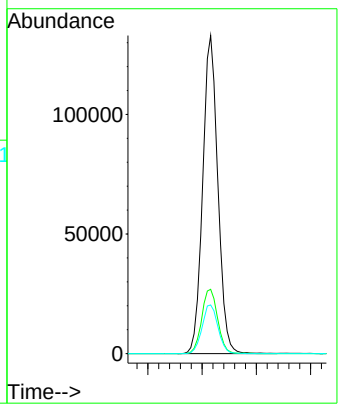


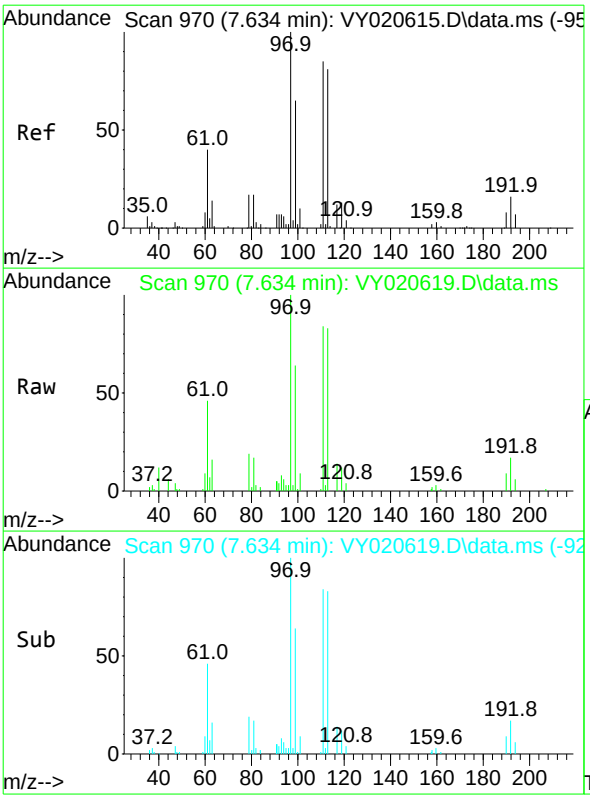


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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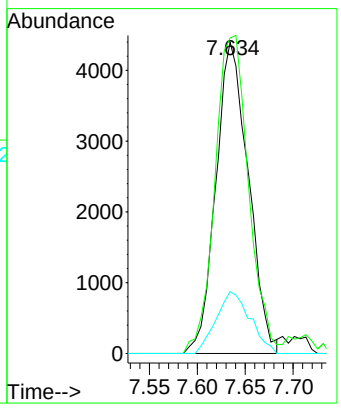
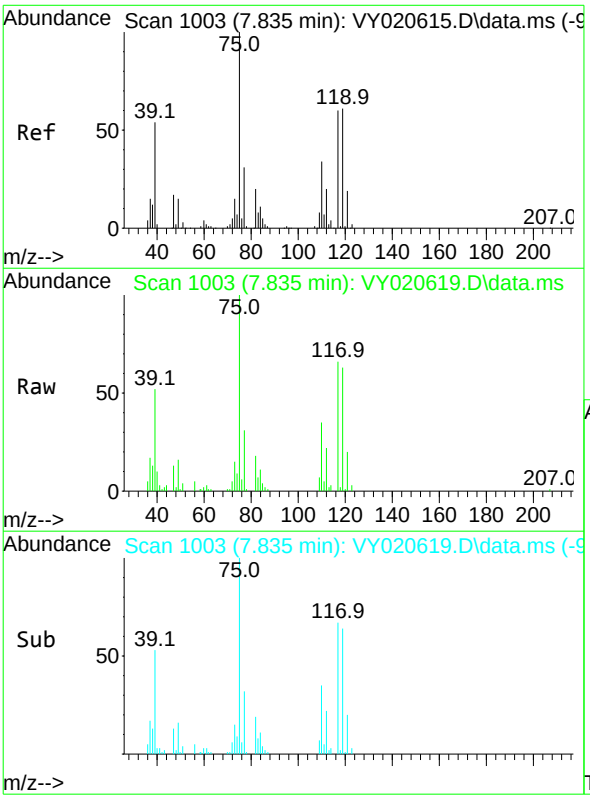
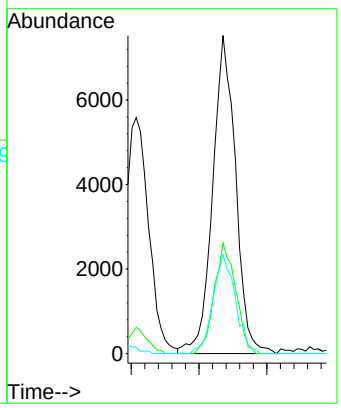


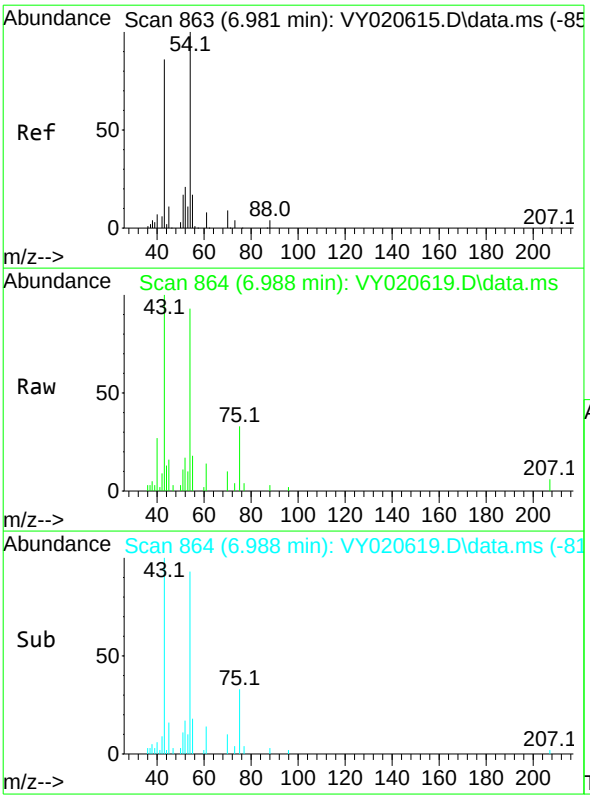


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

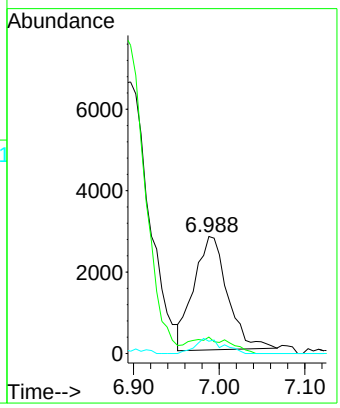




#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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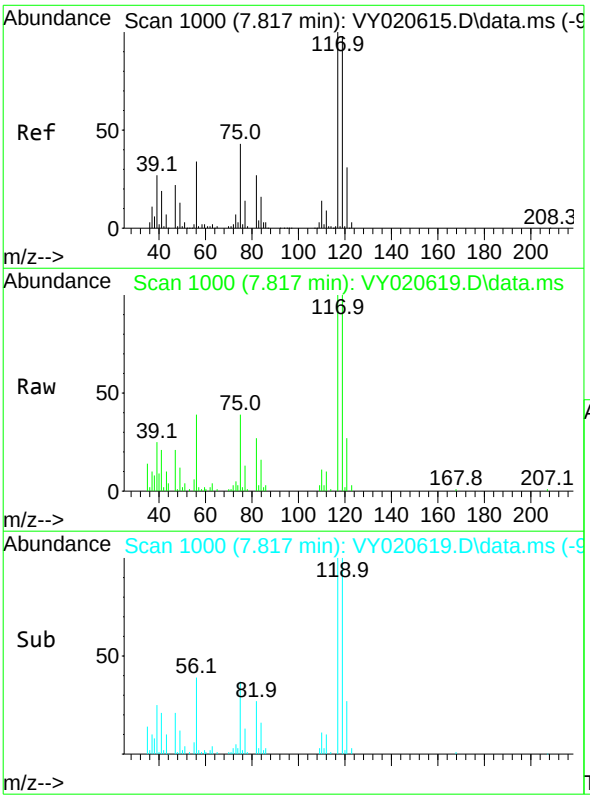
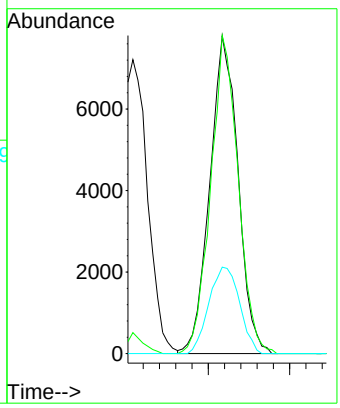
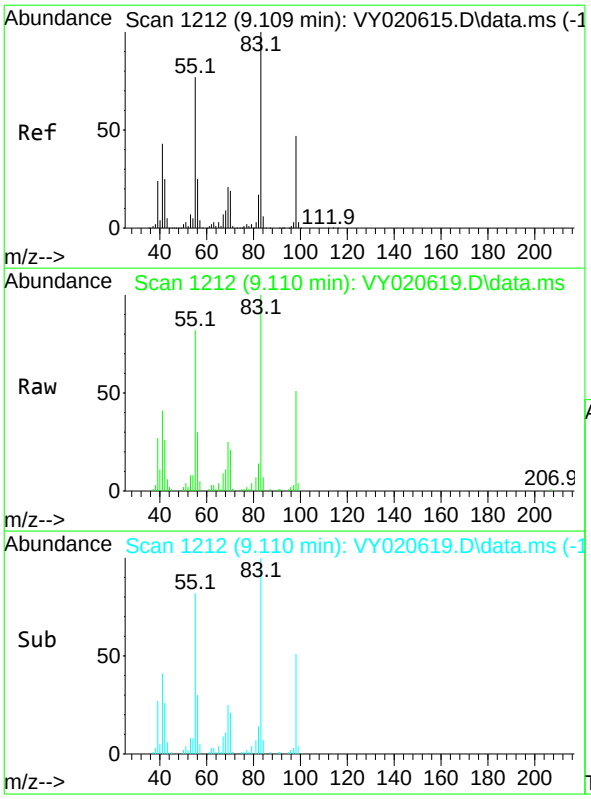


#38
Carbon Tetrachloride
Concen: 5.132 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

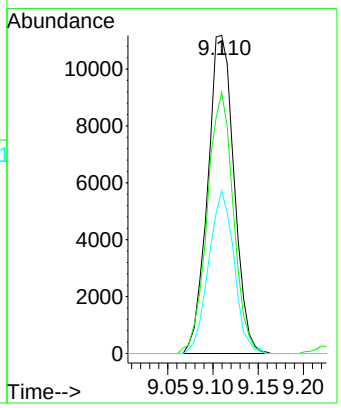




#39
Methylcyclohexane
Concen: 5.273 ug/l
RT: 9.110 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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 :
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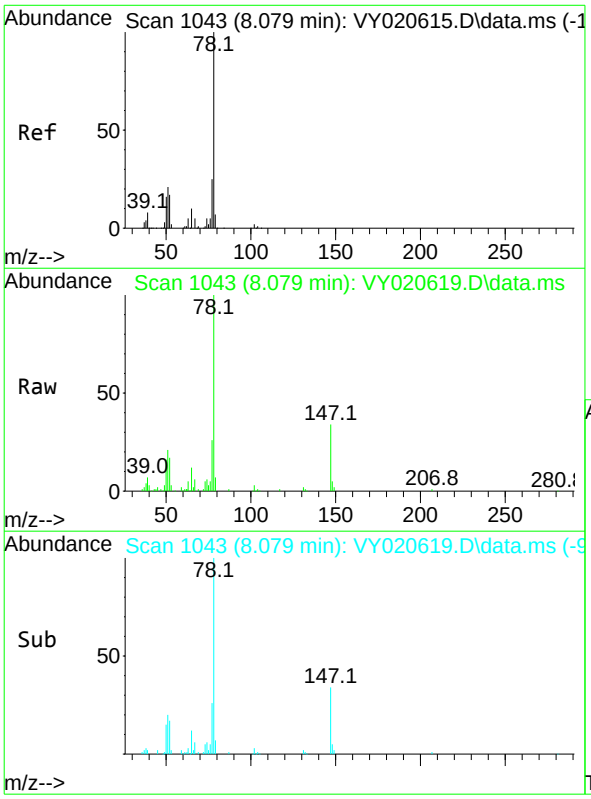
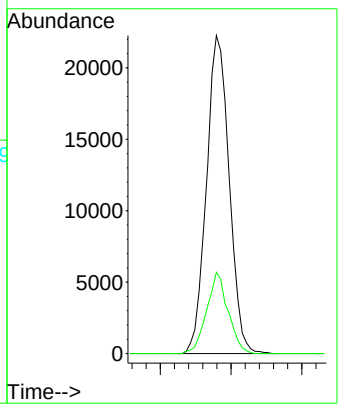
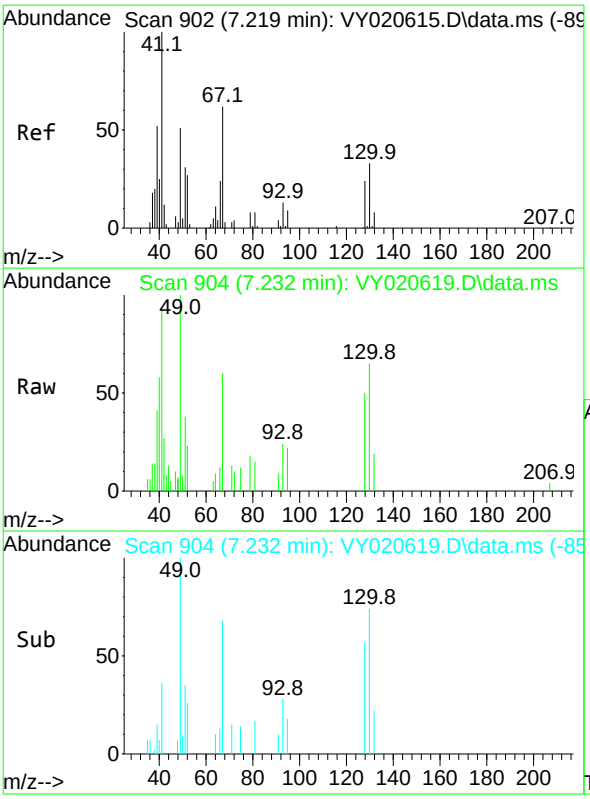


#40
Benzene
Concen: 5.117 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 78 Resp: 49636

Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.1	30.1

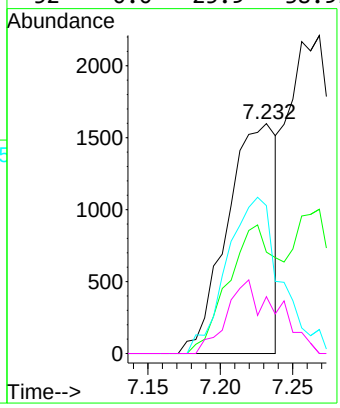




#41
Methacrylonitrile
Concen: 4.595 ug/l m
RT: 7.232 min Scan# 90
Delta R.T. 0.013 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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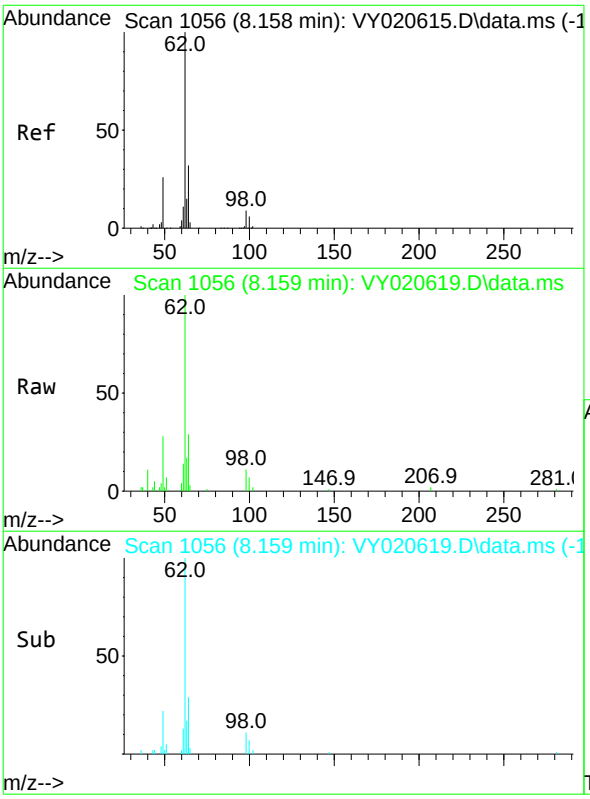
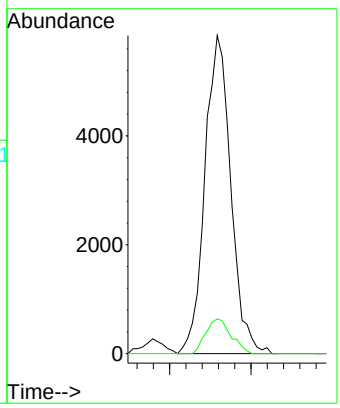
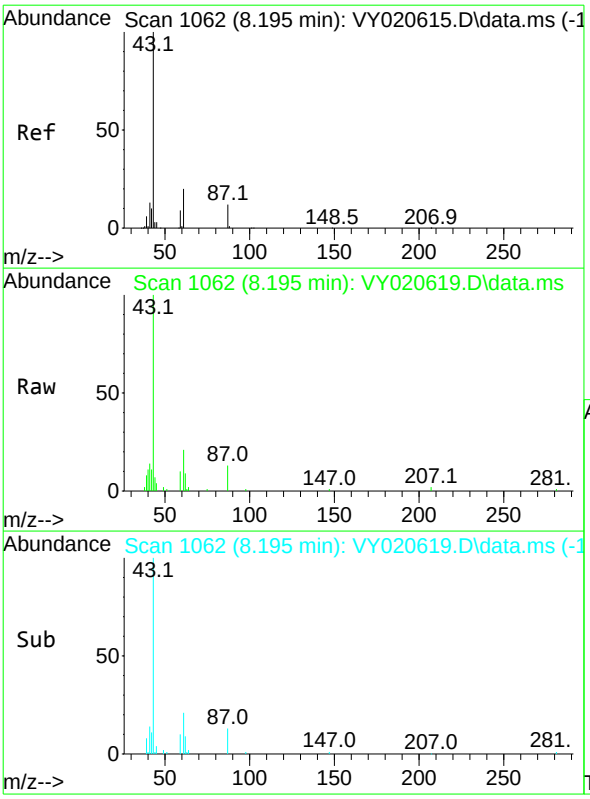


#42
1,2-Dichloroethane
Concen: 5.020 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 12917

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.0

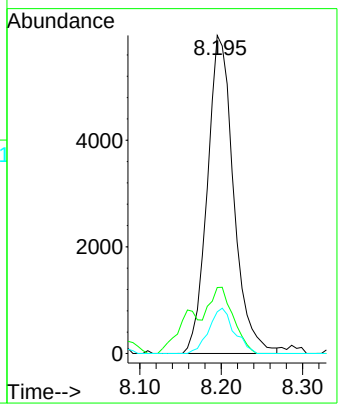




#43
Isopropyl Acetate
Concen: 4.533 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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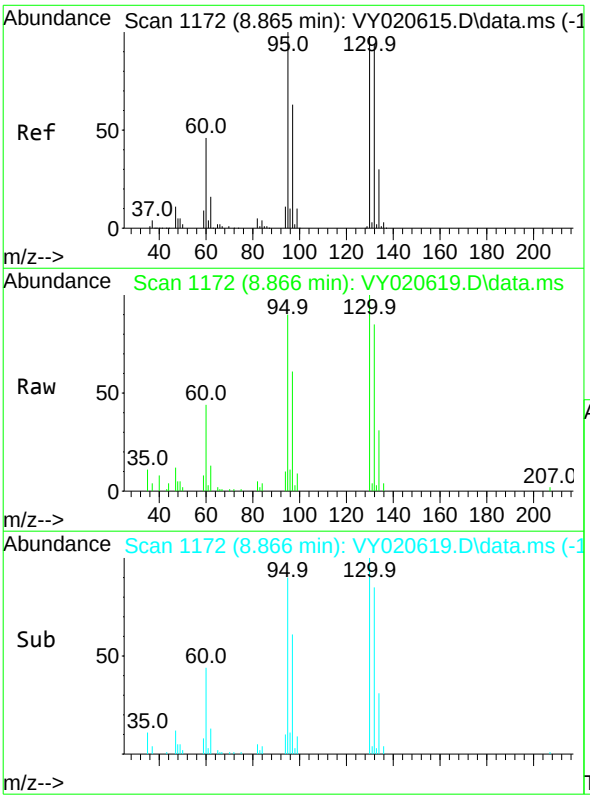
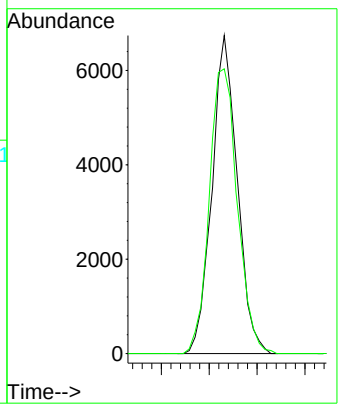
Supervised By :Semsettin Yesilyurt 12/18/2024

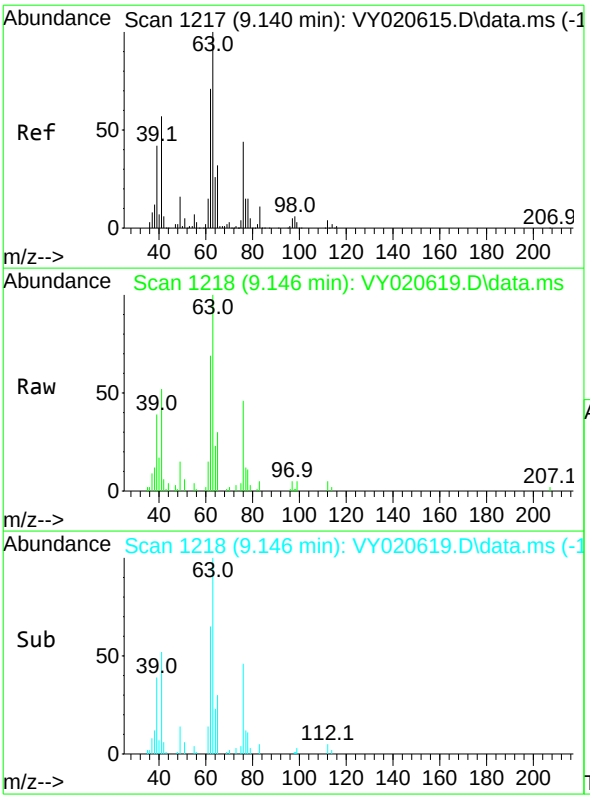


#44
Trichloroethene
Concen: 5.195 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:130 Resp: 12384

Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	203.2

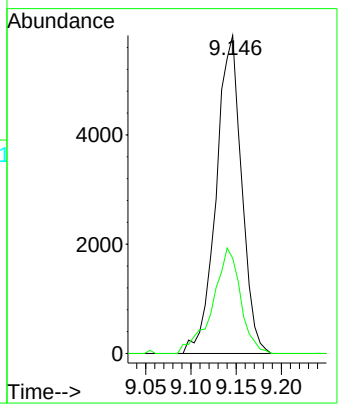




#45
1,2-Dichloropropane
Concen: 5.019 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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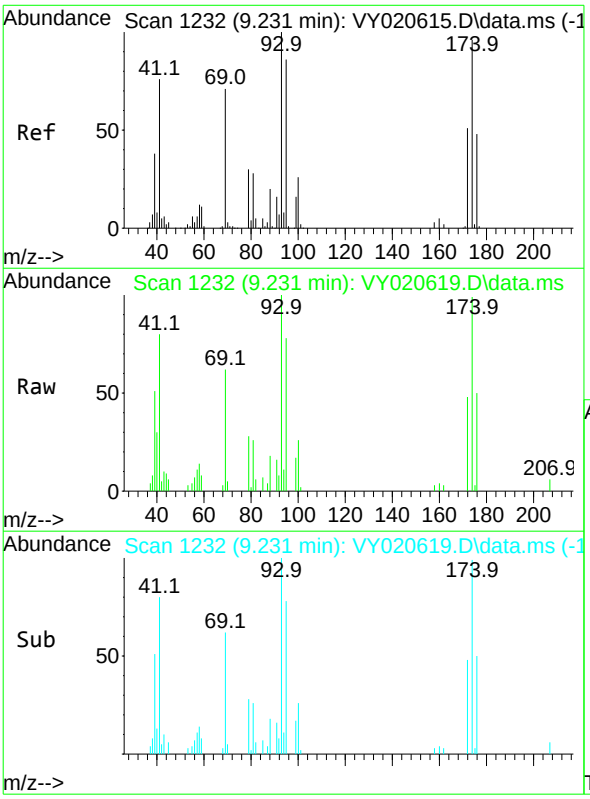
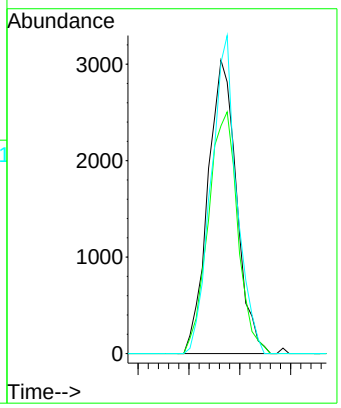
Supervised By :Semsettin Yesilyurt 12/18/2024

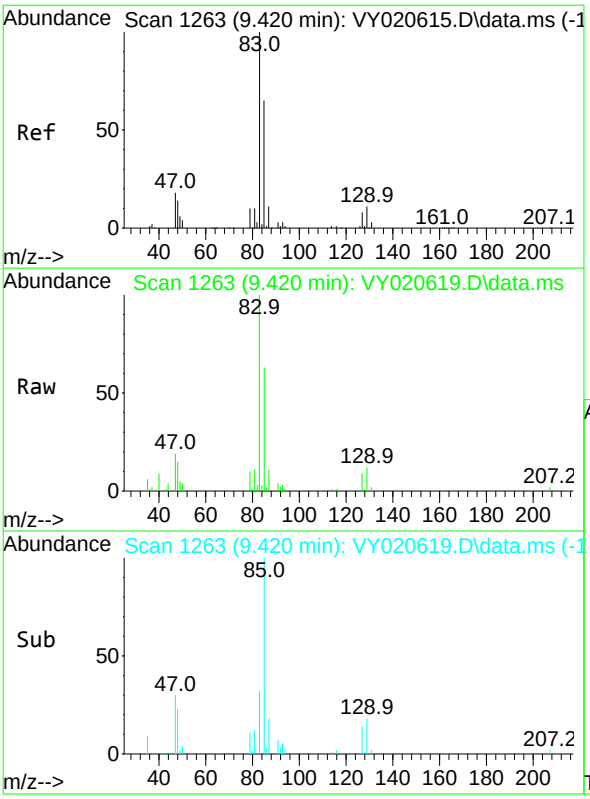


#46
Dibromomethane
Concen: 4.978 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

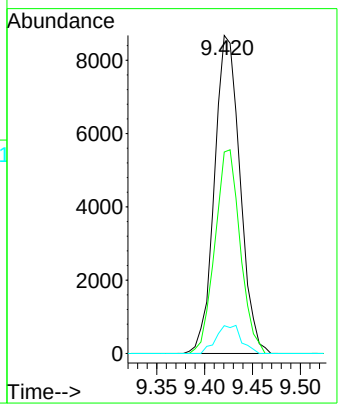




#47
Bromodichloromethane
Concen: 4.979 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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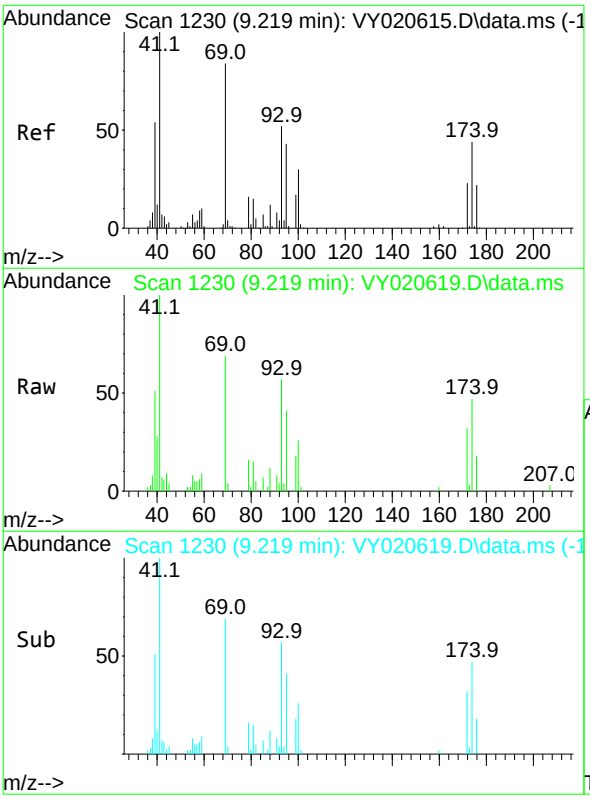
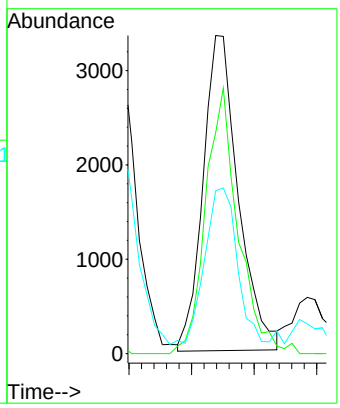
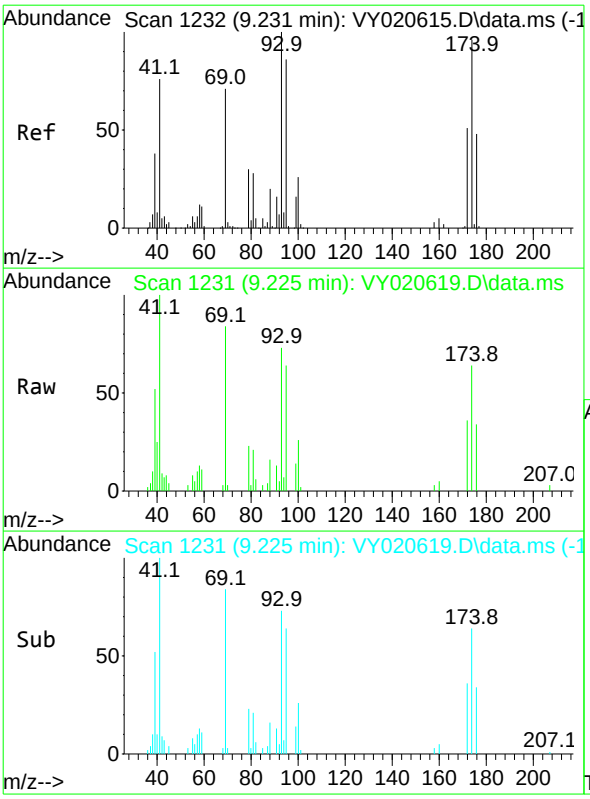


#48
Methyl methacrylate
Concen: 4.671 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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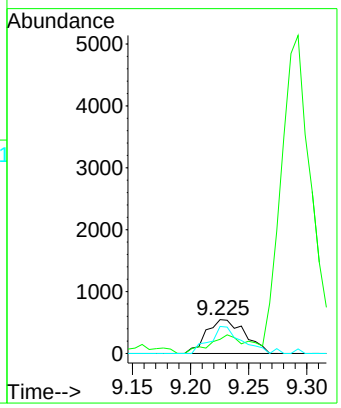
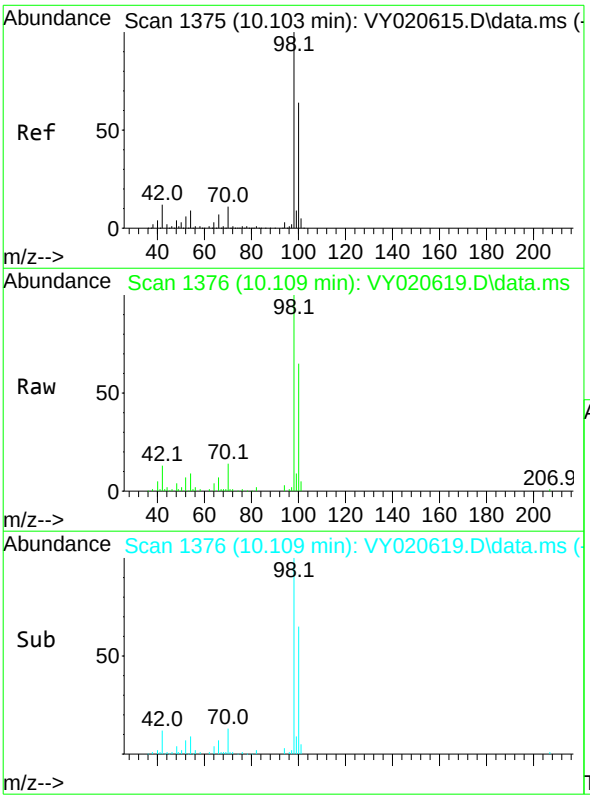
Supervised By :Semsettin Yesilyurt 12/18/2024

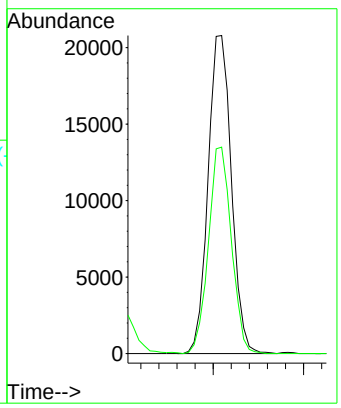


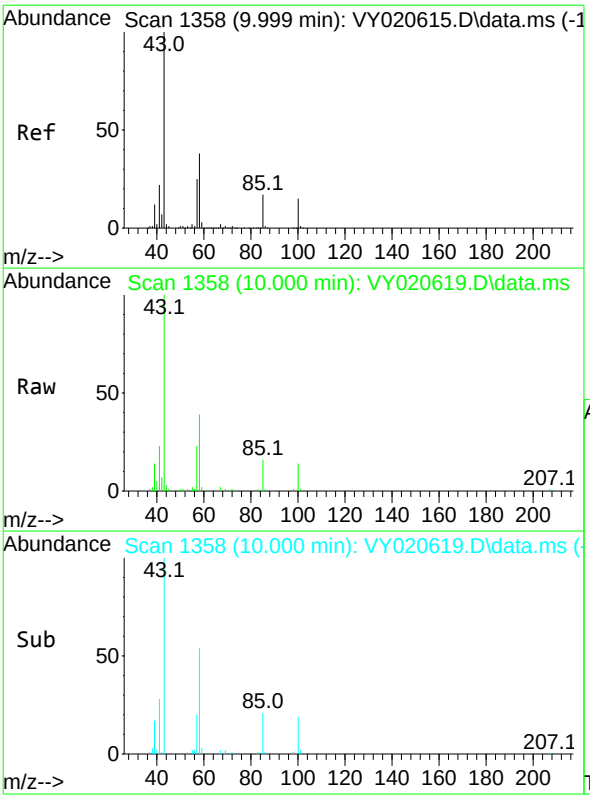


#50
Toluene-d8
Concen: 5.858 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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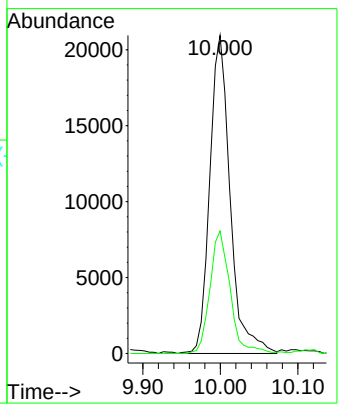
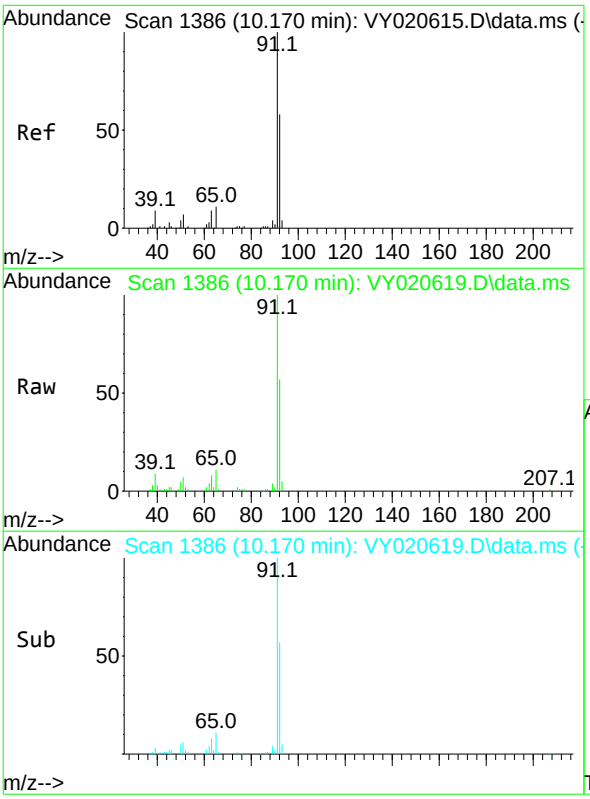
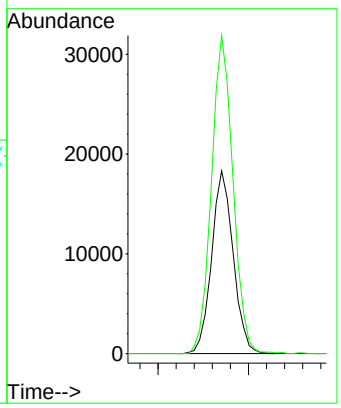


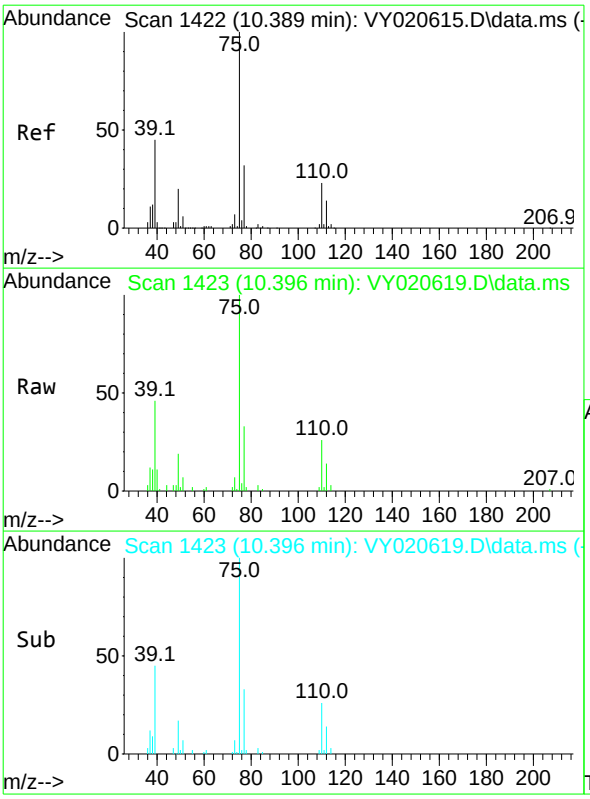


#52
Toluene
Concen: 5.025 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 92 Resp: 30294

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.4	206.0

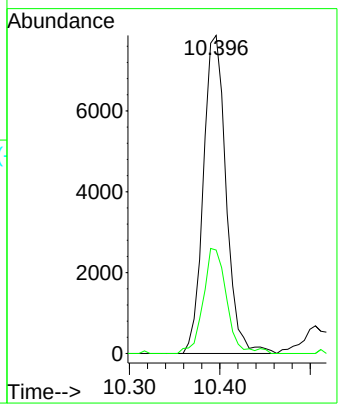




#53
t-1,3-Dichloropropene
Concen: 4.558 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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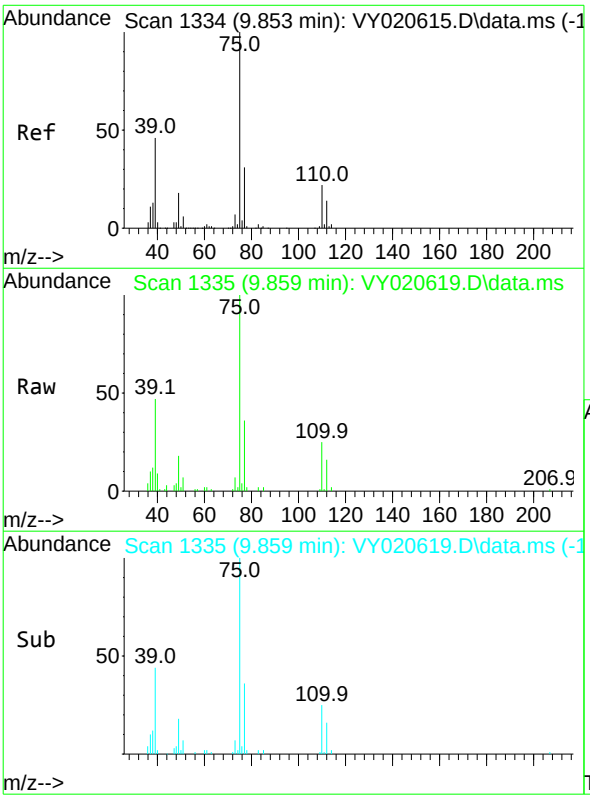
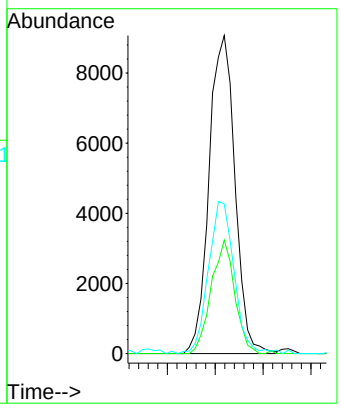
Supervised By :Semsettin Yesilyurt 12/18/2024

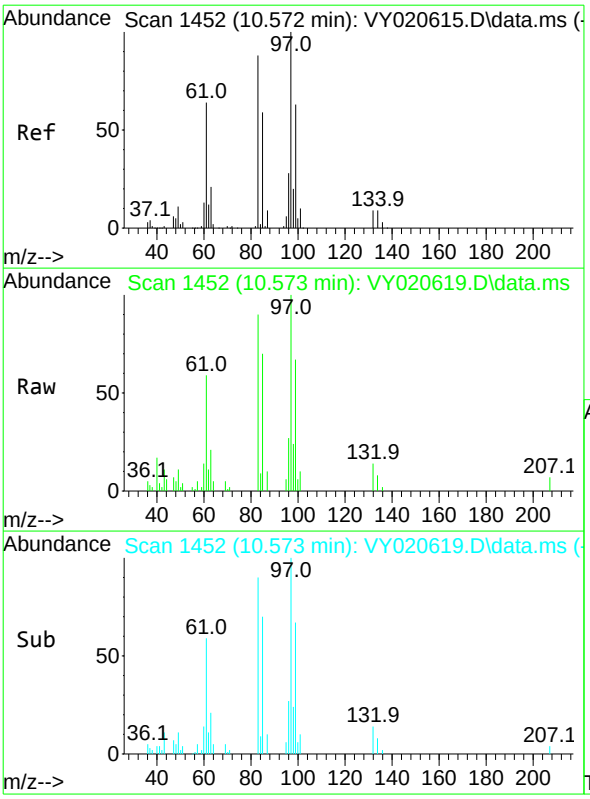


#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

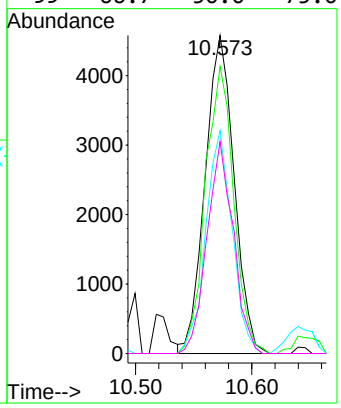




#55
1,1,2-Trichloroethane
Concen: 5.009 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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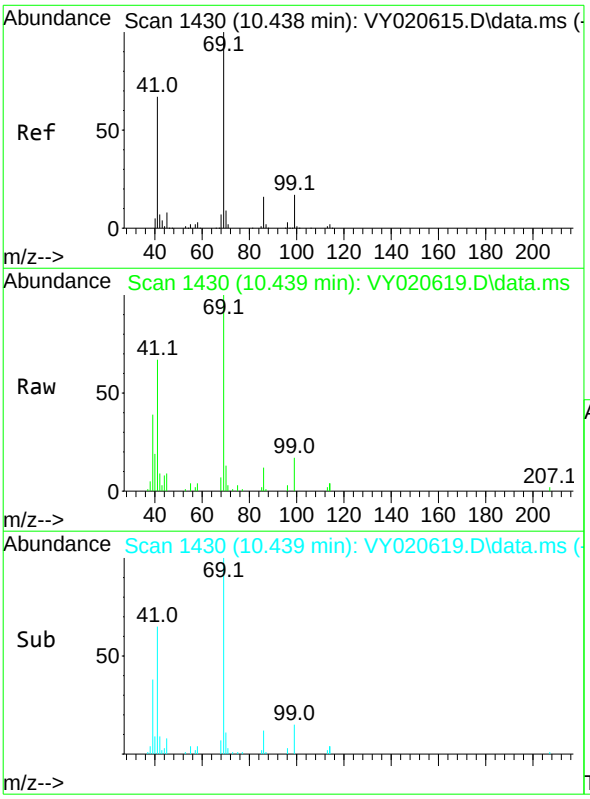
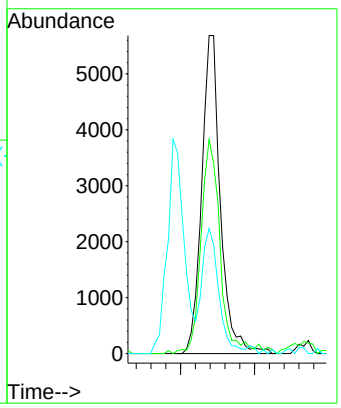
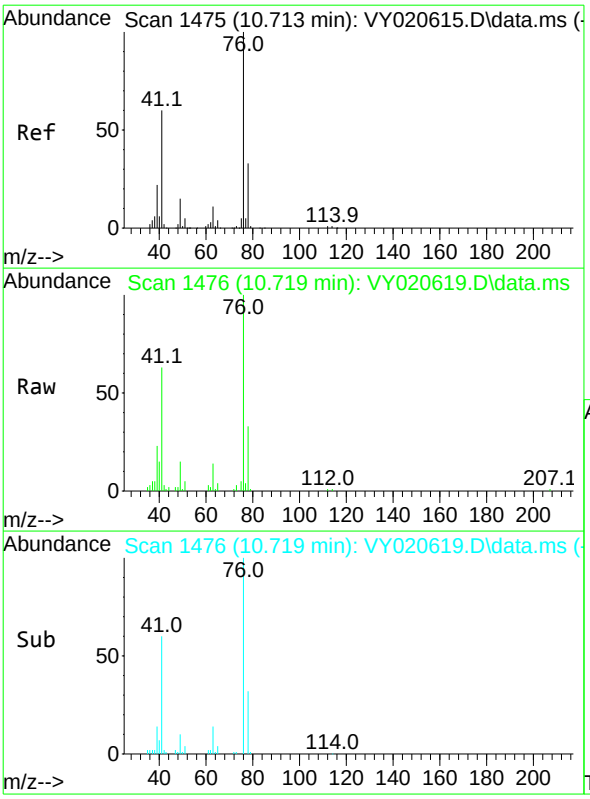


#56
Ethyl methacrylate
Concen: 4.351 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

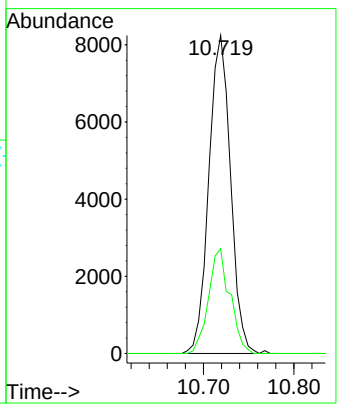




#57
1,3-Dichloropropane
Concen: 4.870 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 76 Resp: 13754

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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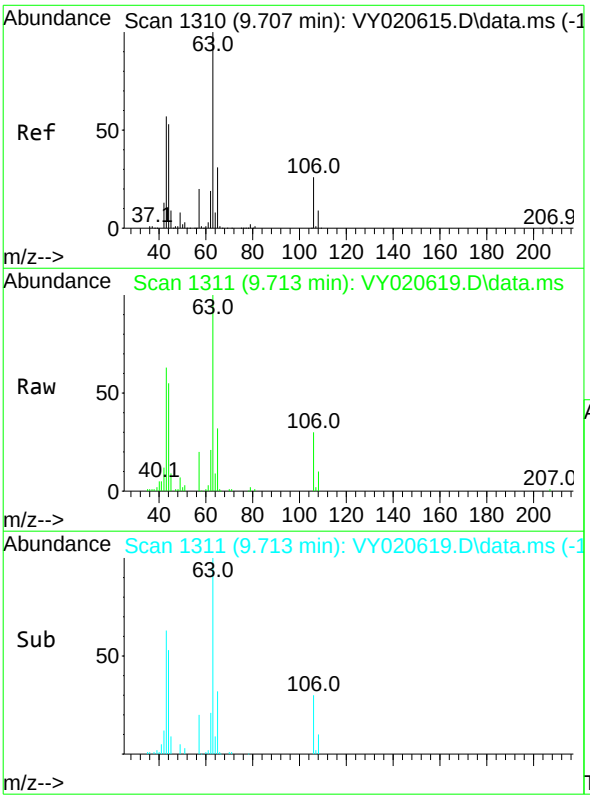
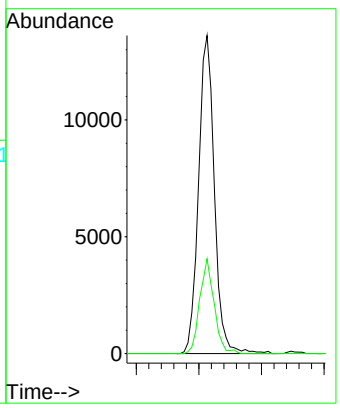
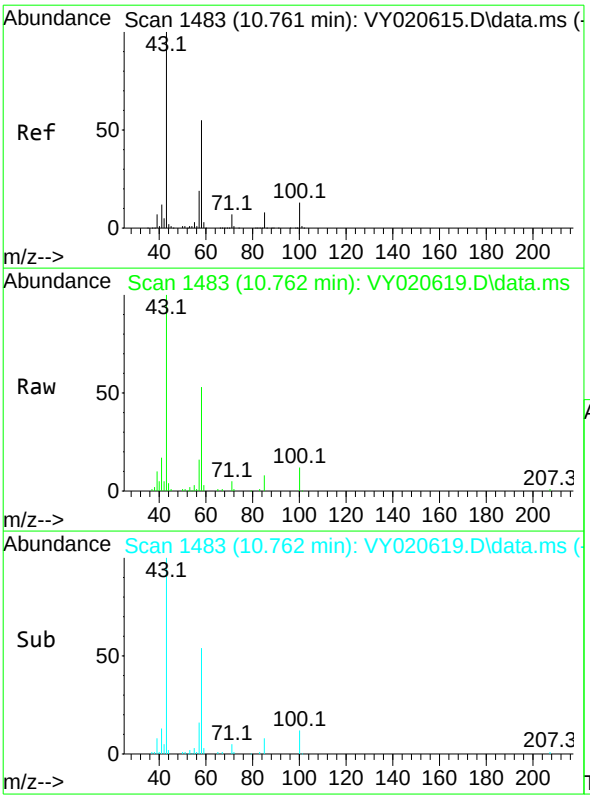


#58
2-Chloroethyl Vinyl ether
Concen: 24.686 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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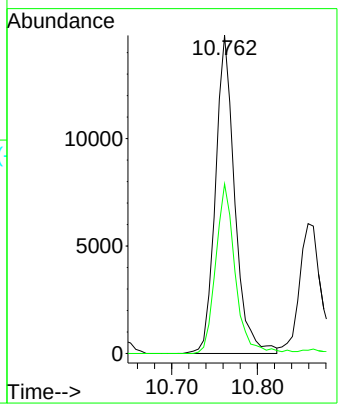
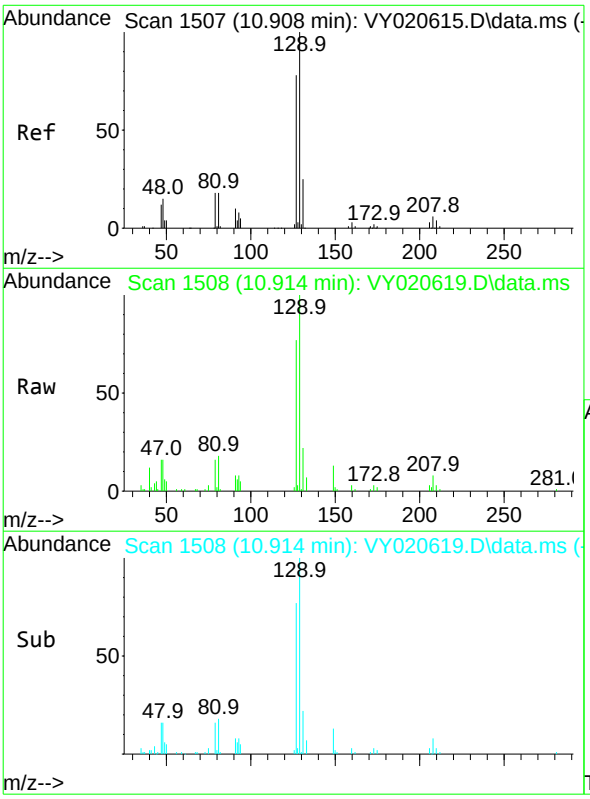
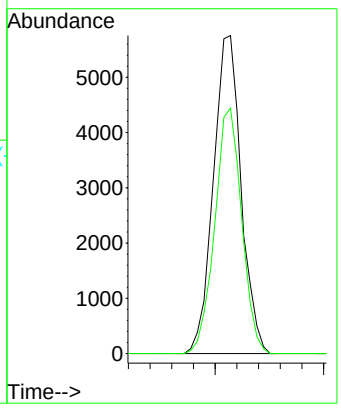


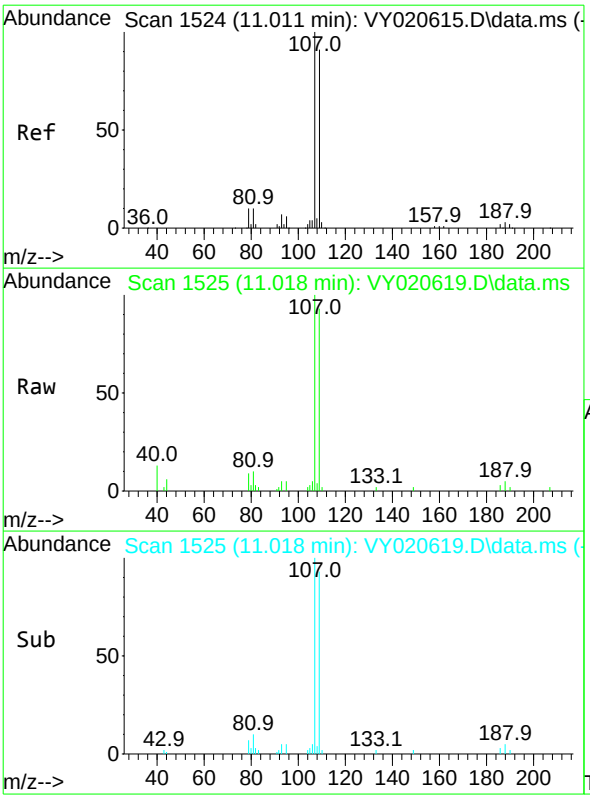


#60
Dibromochloromethane
Concen: 4.818 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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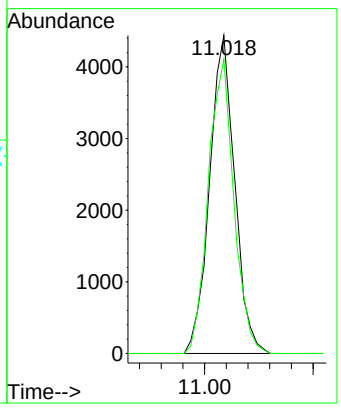
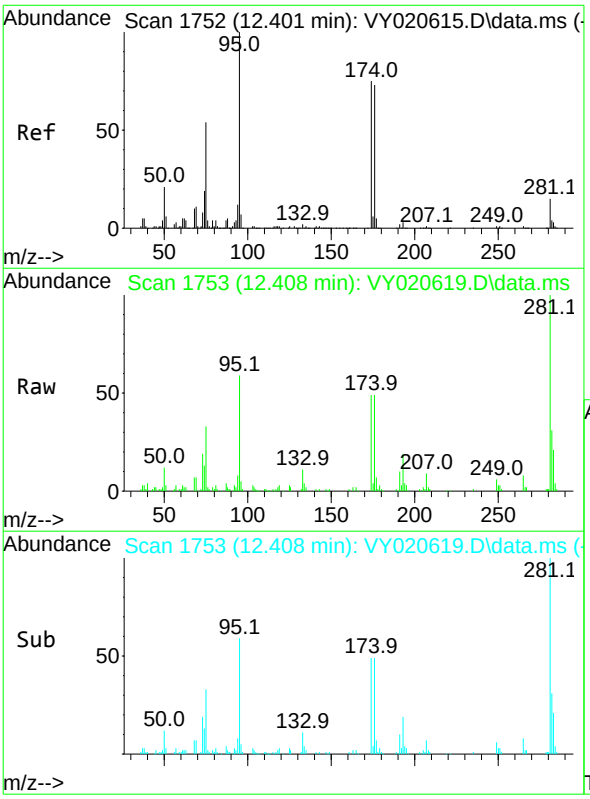
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

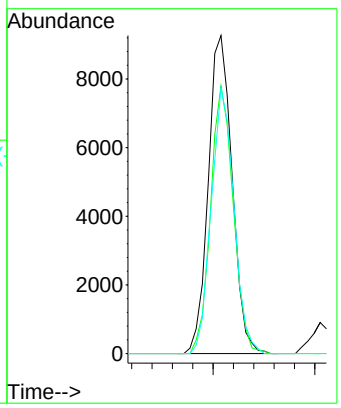


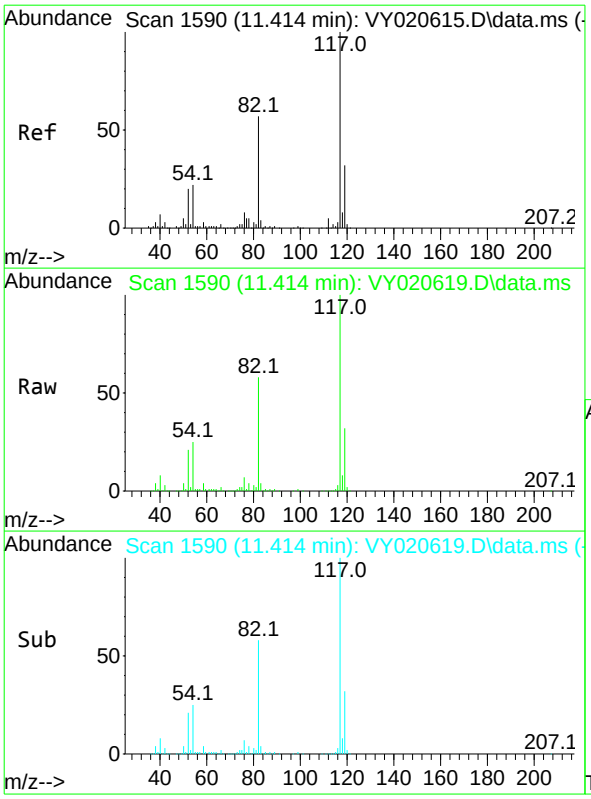


#62
4-Bromofluorobenzene
Concen: 6.066 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

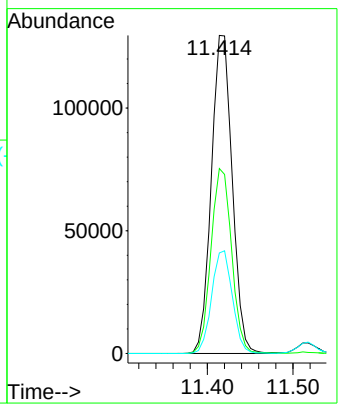




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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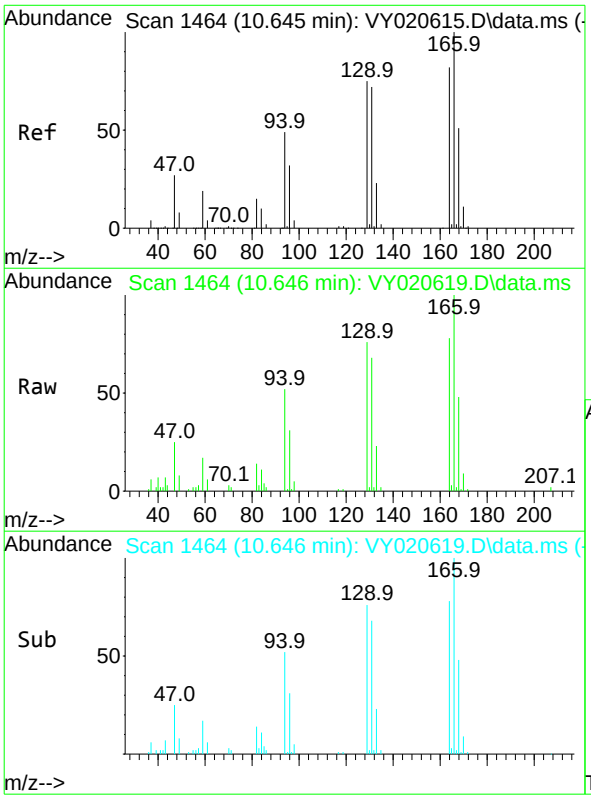
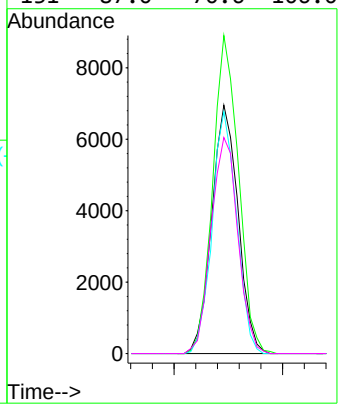
Supervised By :Semsettin Yesilyurt 12/18/2024

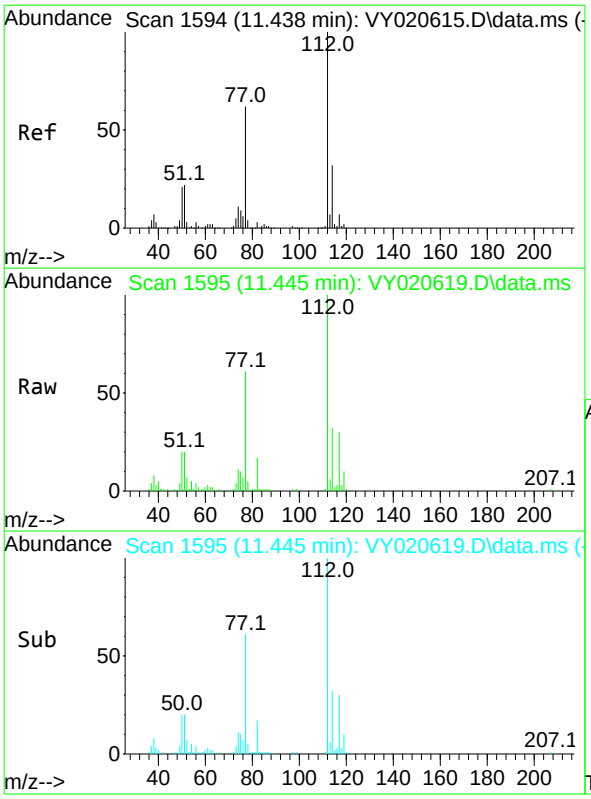


#64
Tetrachloroethene
Concen: 5.663 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

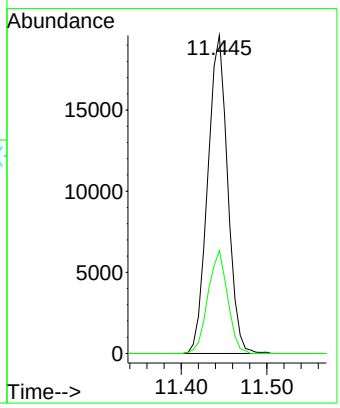




#65
Chlorobenzene
Concen: 5.154 ug/l
RT: 11.445 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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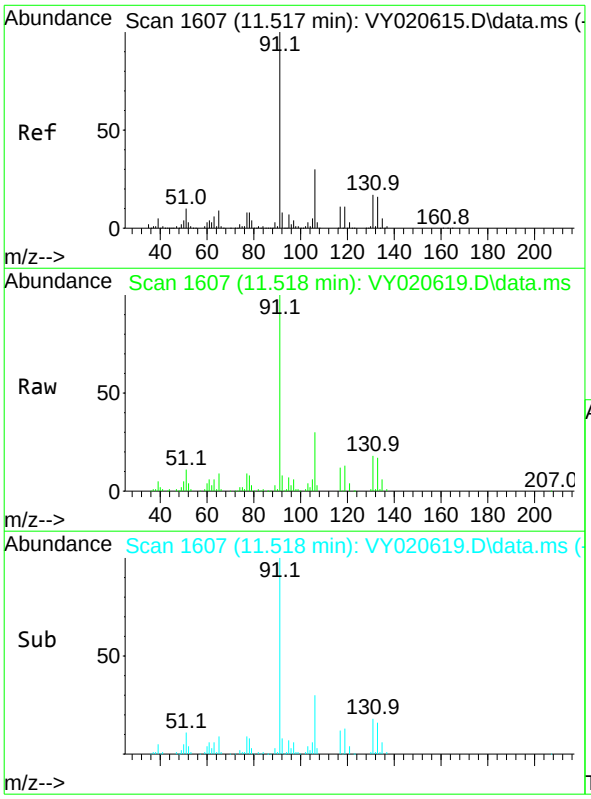
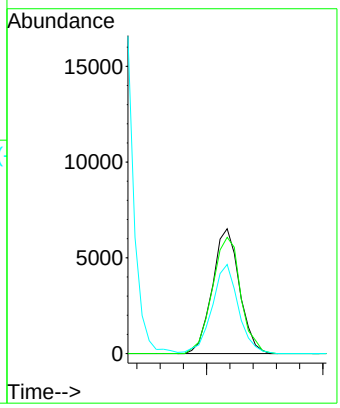
Supervised By :Semsettin Yesilyurt 12/18/2024

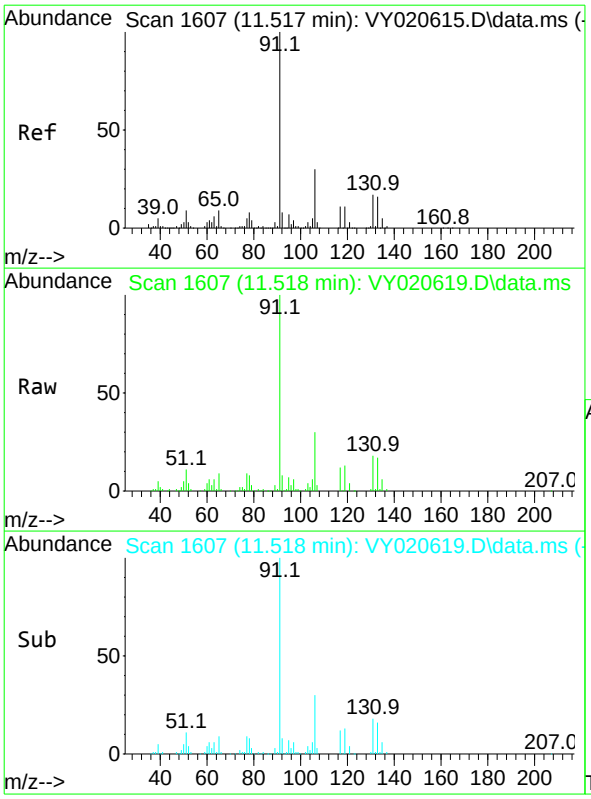


#66
1,1,1,2-Tetrachloroethane
Concen: 5.009 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

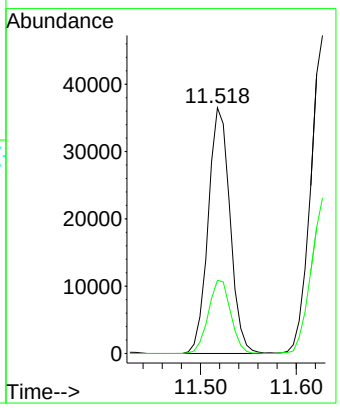




#67
Ethyl Benzene
Concen: 5.103 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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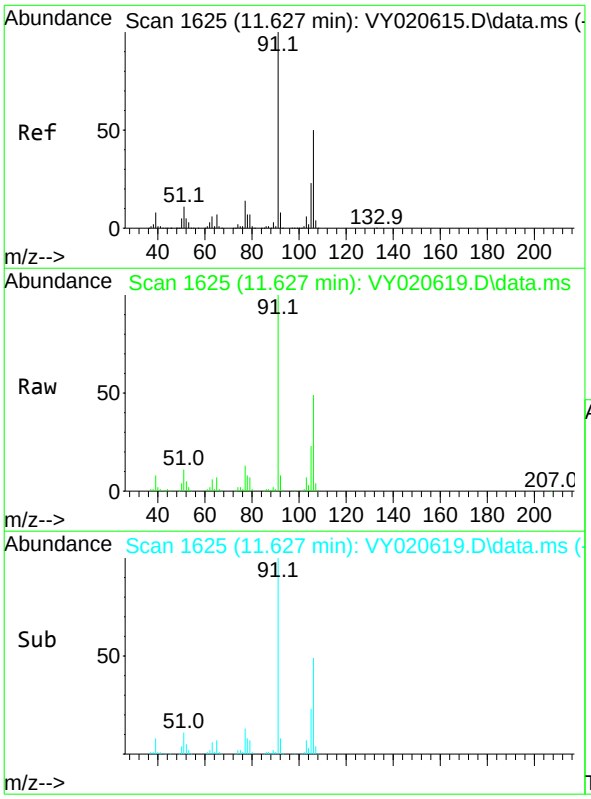
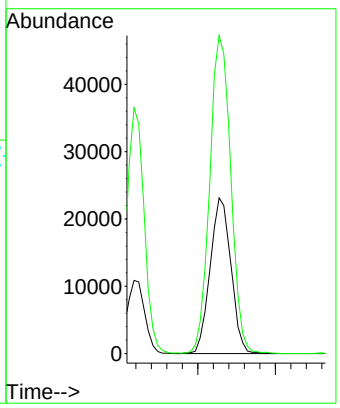
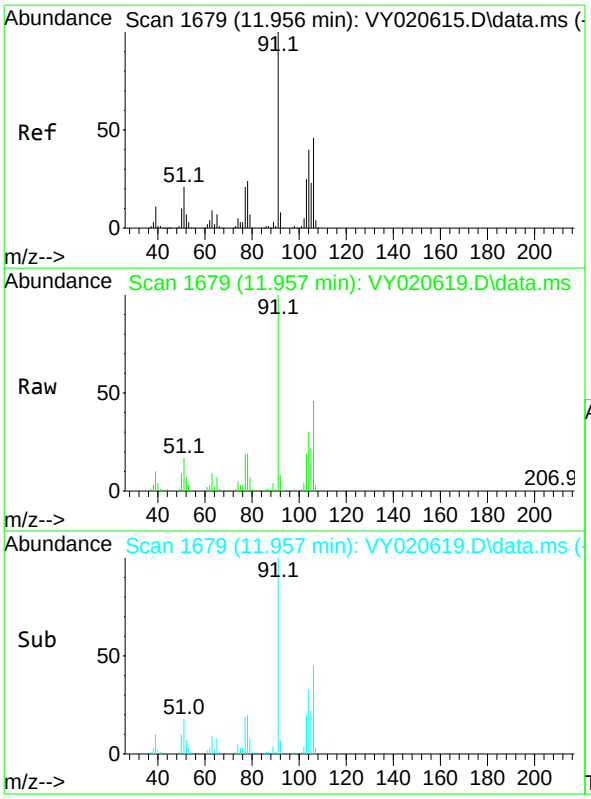


#68
m/p-Xylenes
Concen: 10.262 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:106 Resp: 43257

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4

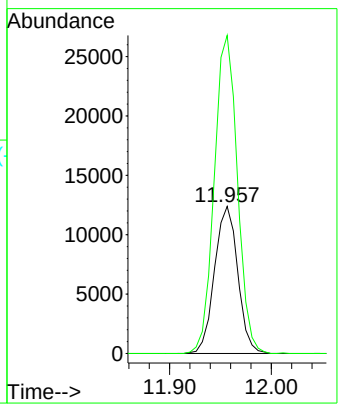




#69
o-Xylene
Concen: 4.993 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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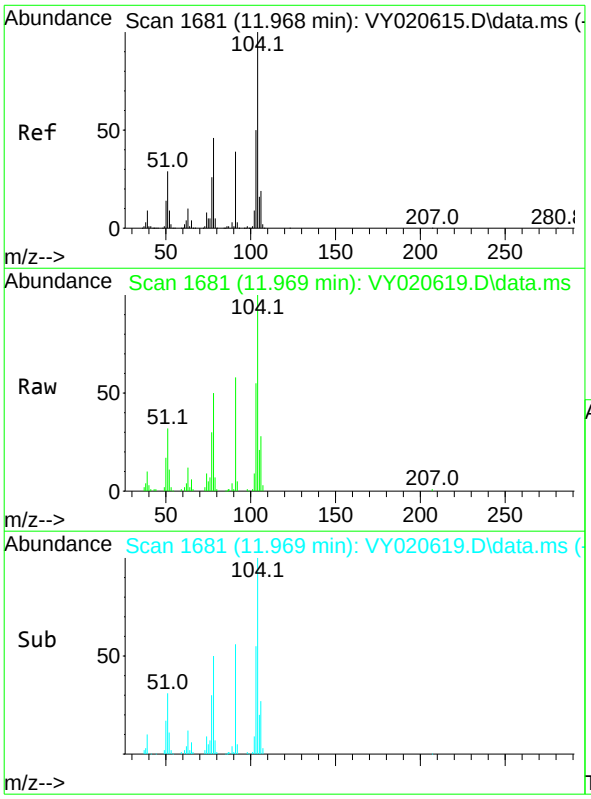
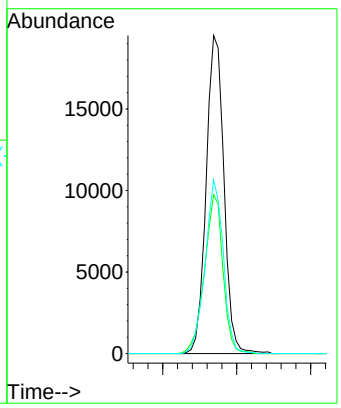
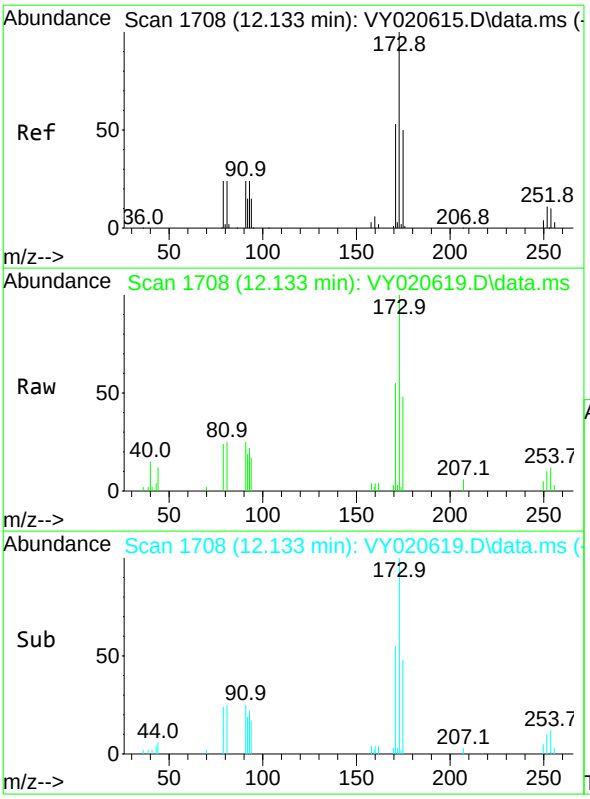


#70
Styrene
Concen: 4.945 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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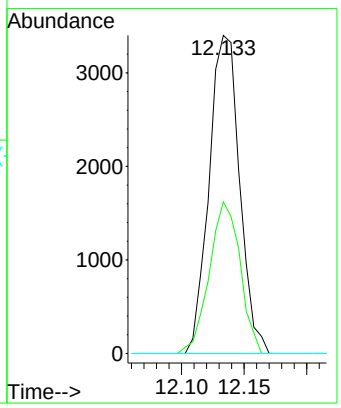
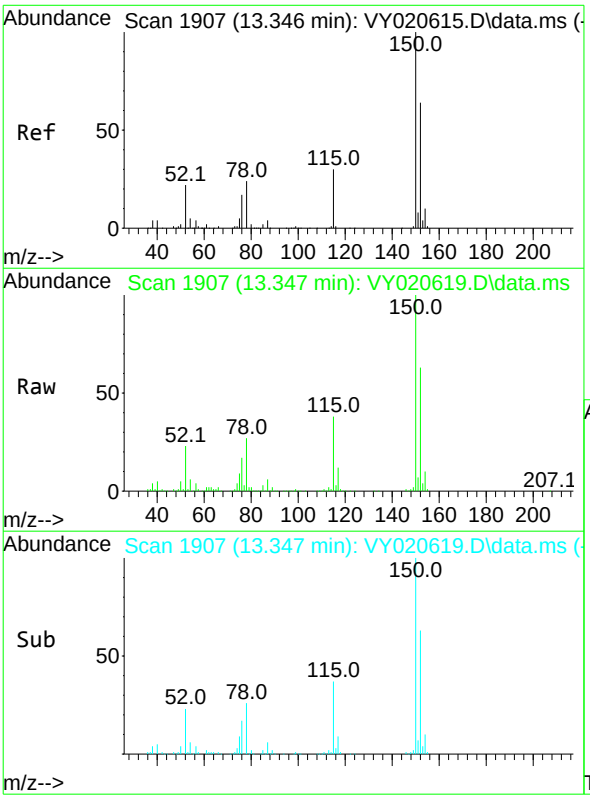
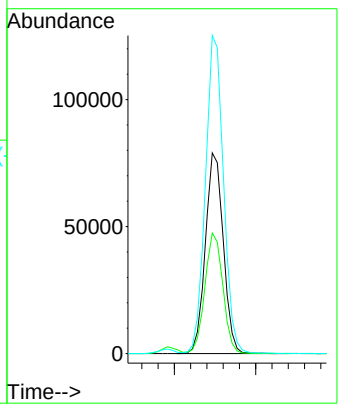


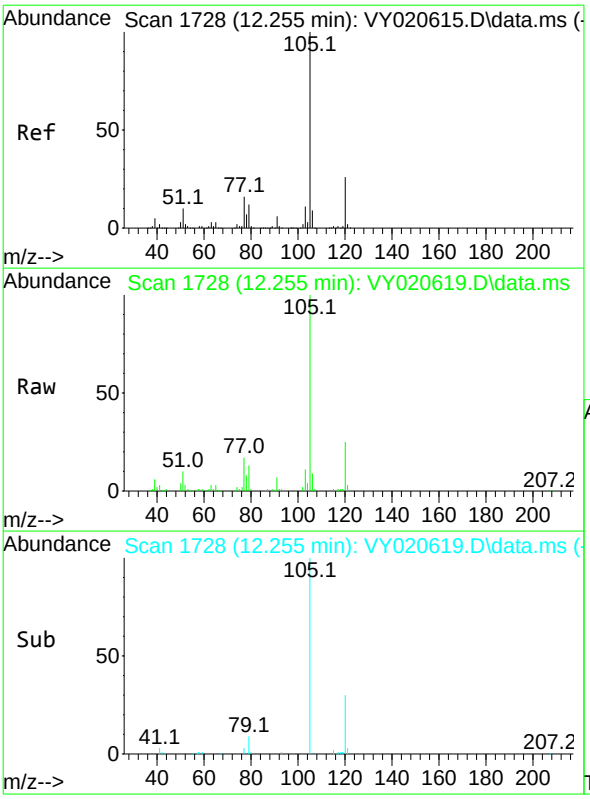


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

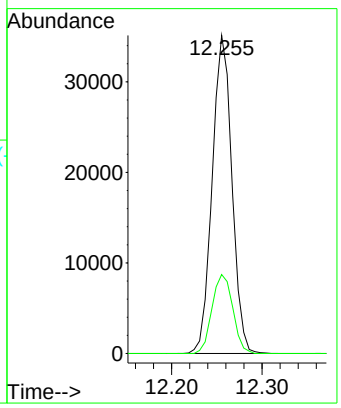




#73
Isopropylbenzene
Concen: 5.043 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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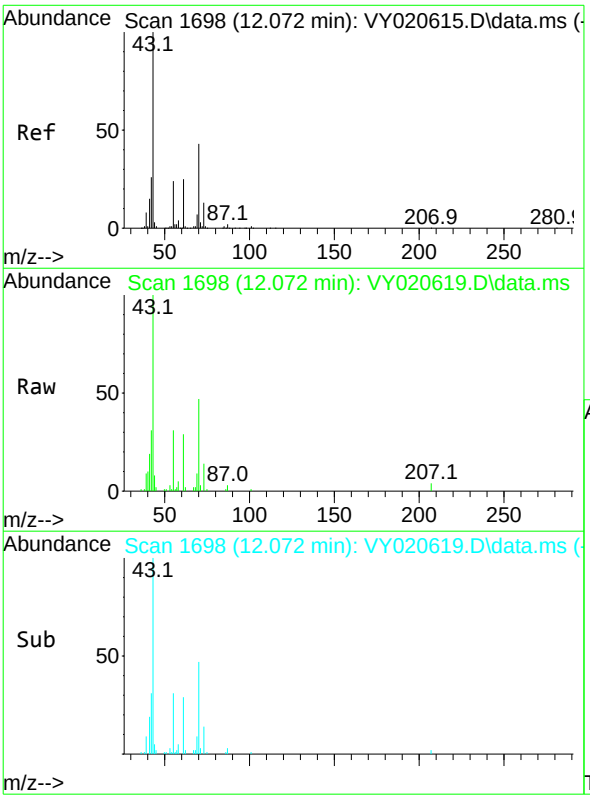
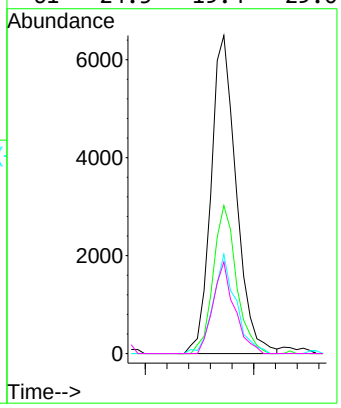
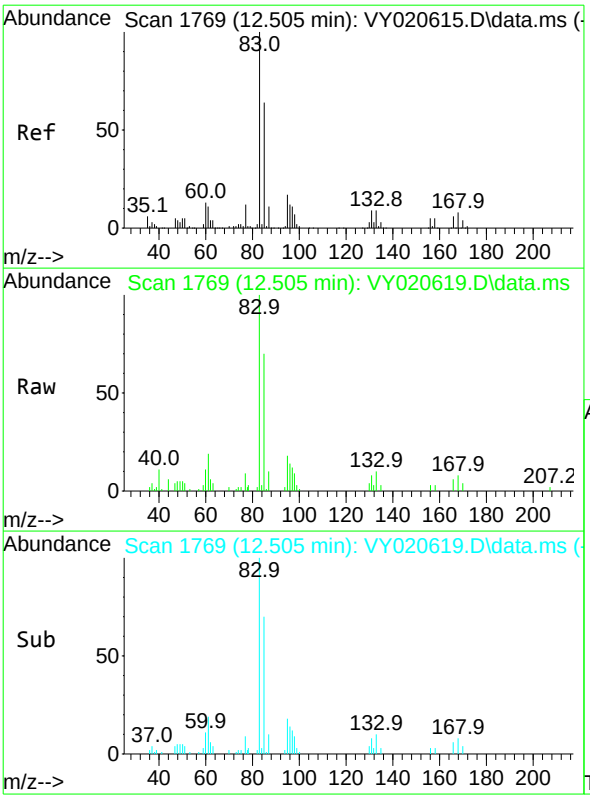


#74
N-amyl acetate
Concen: 4.245 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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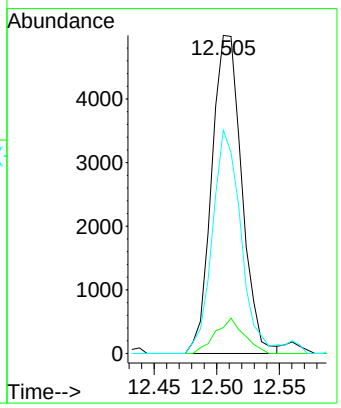
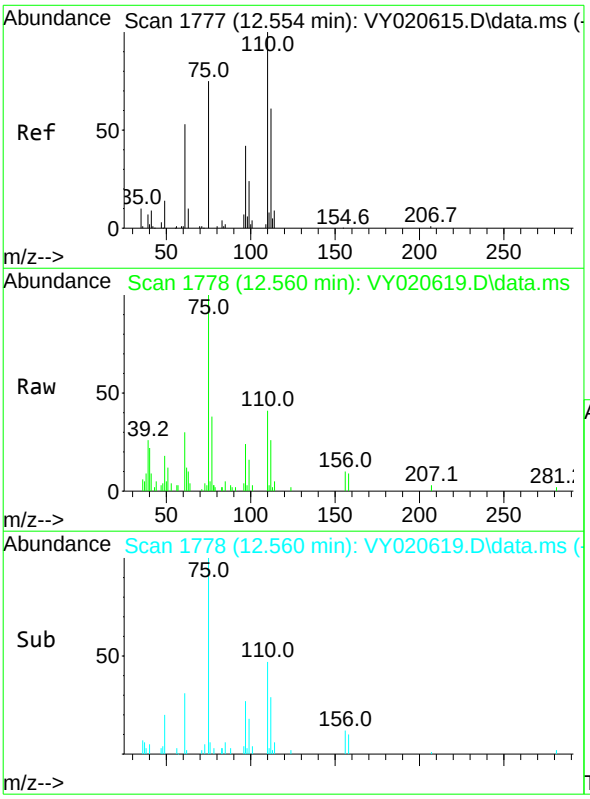
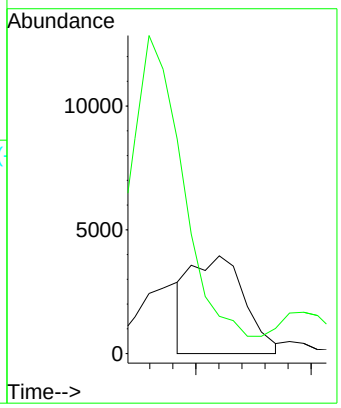


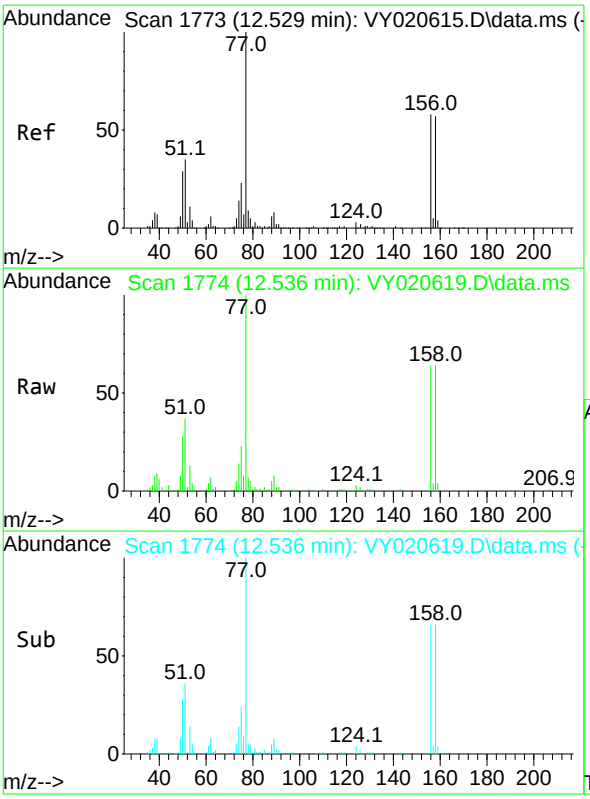


#76
1,2,3-Trichloropropane
Concen: 5.167 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 6432

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

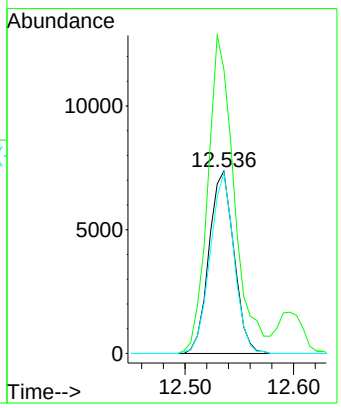




#77
Bromobenzene
Concen: 5.124 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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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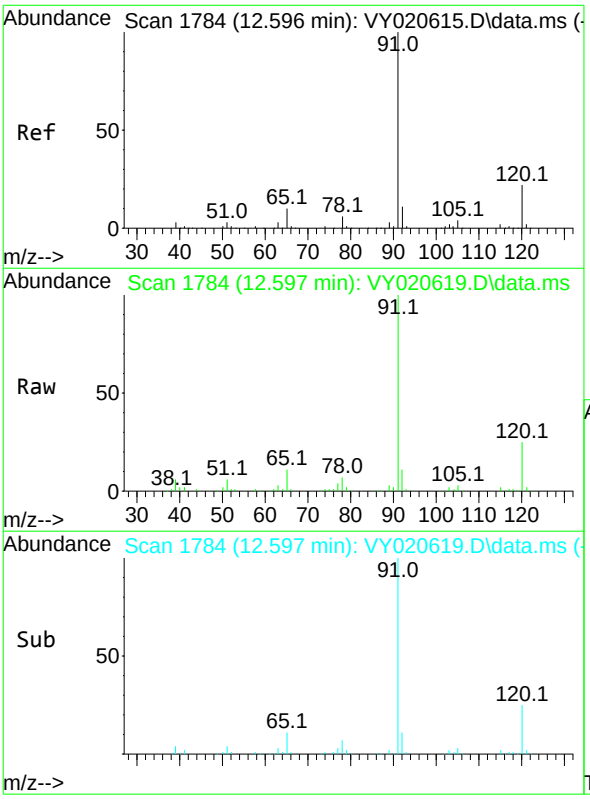
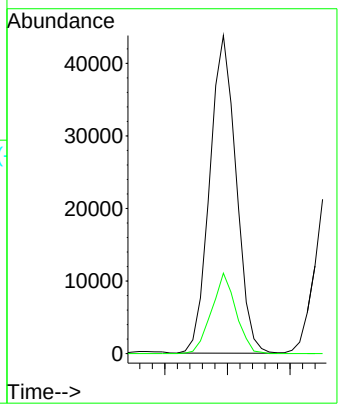
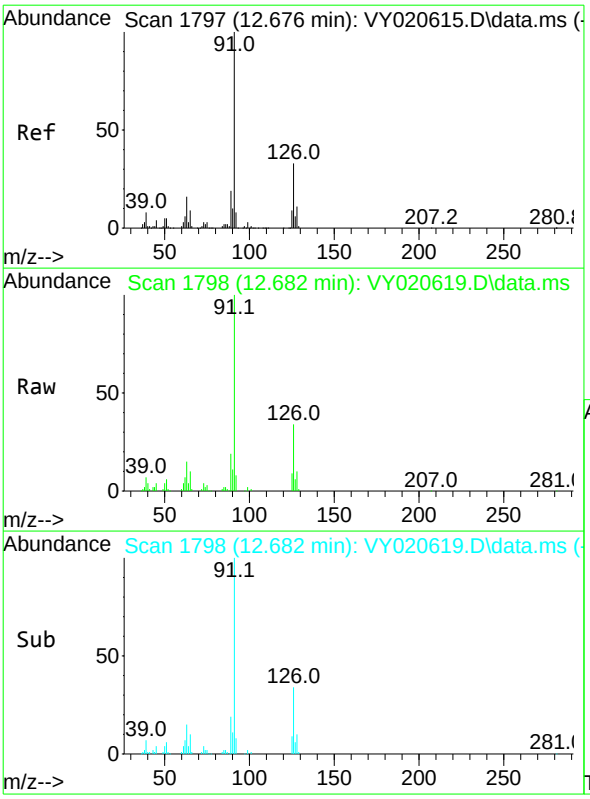


#78
n-propylbenzene
Concen: 5.047 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

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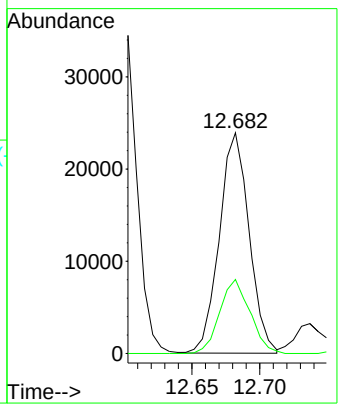
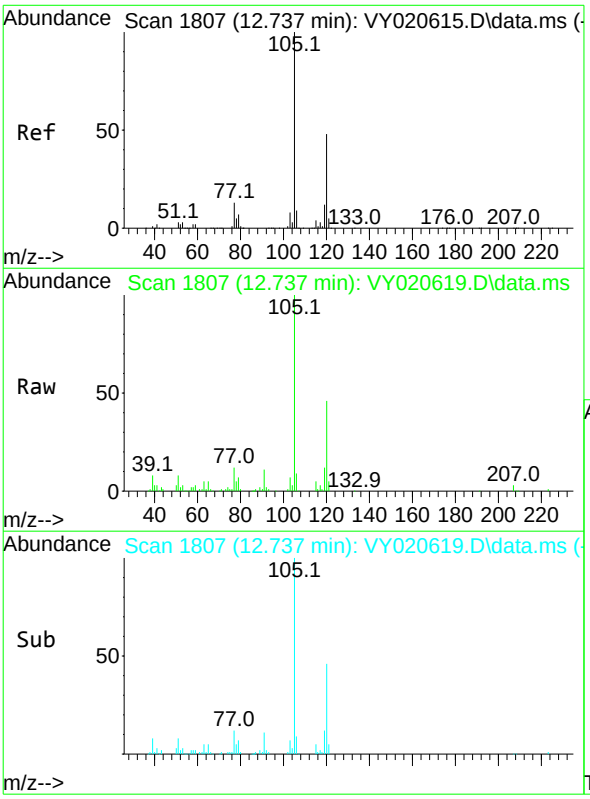
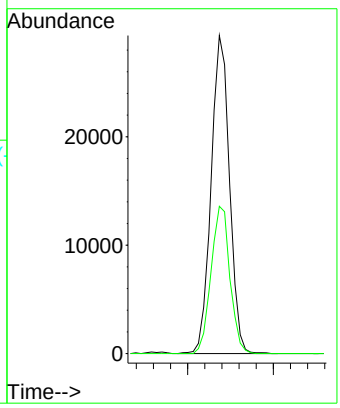


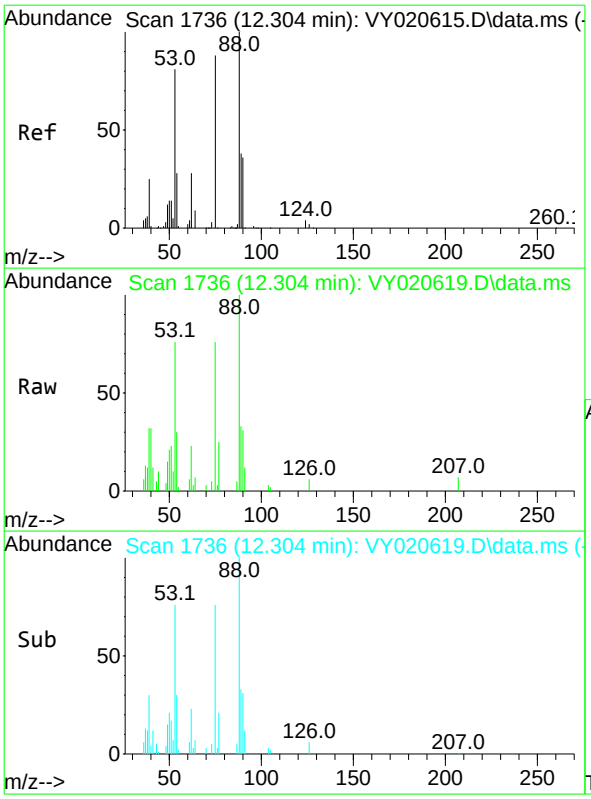


#80
1,3,5-Trimethylbenzene
Concen: 5.107 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

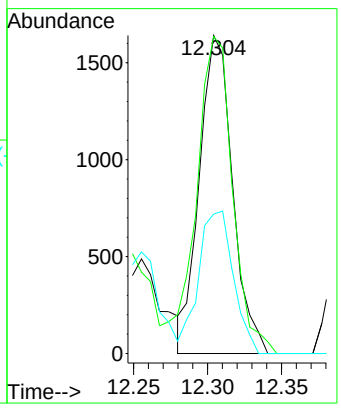
Tgt Ion: 75 Resp: 2558

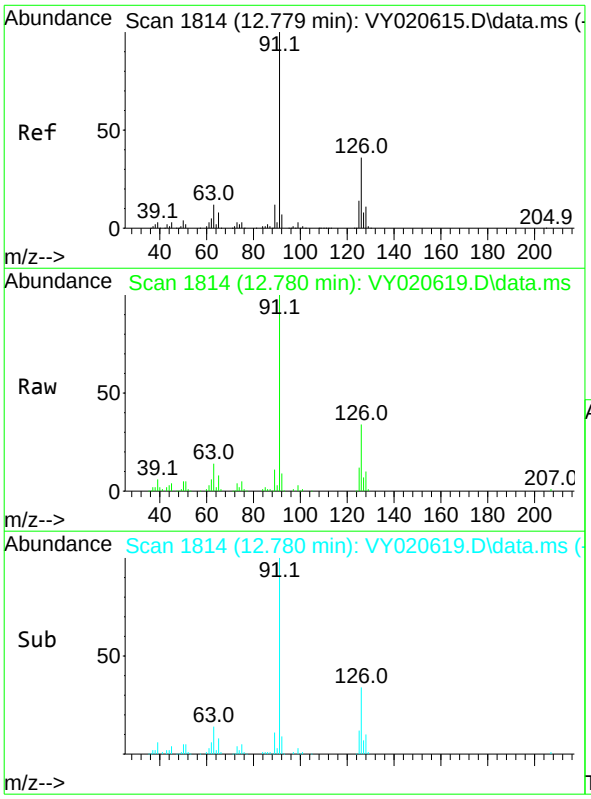
Ion	Ratio	Lower	Upper
75	100		
53	107.3	75.4	113.2
89	47.1	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

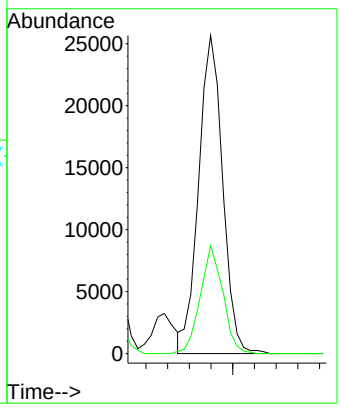


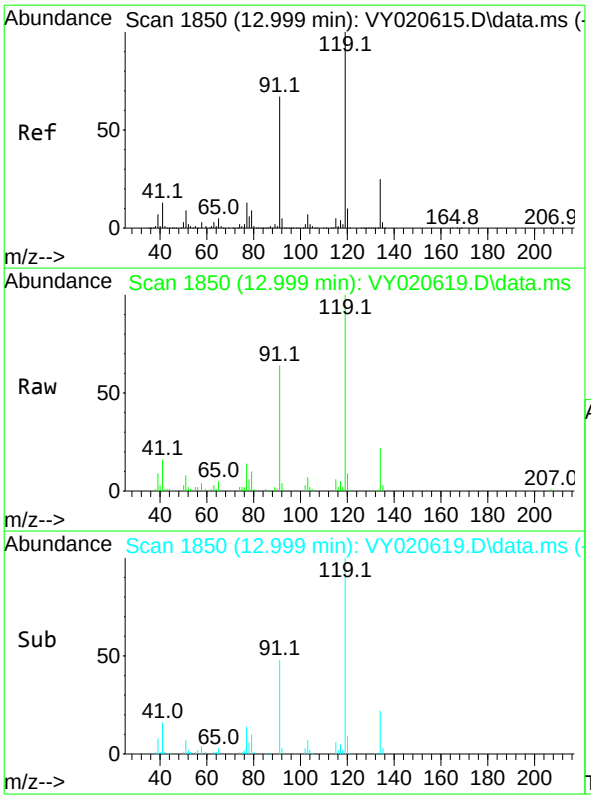


#82
4-Chlorotoluene
Concen: 5.318 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 39447

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.6	49.7

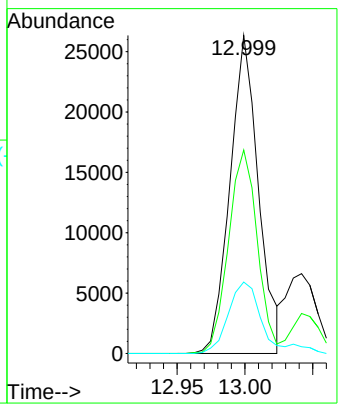




#83
tert-Butylbenzene
Concen: 4.972 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:119 Resp: 38538

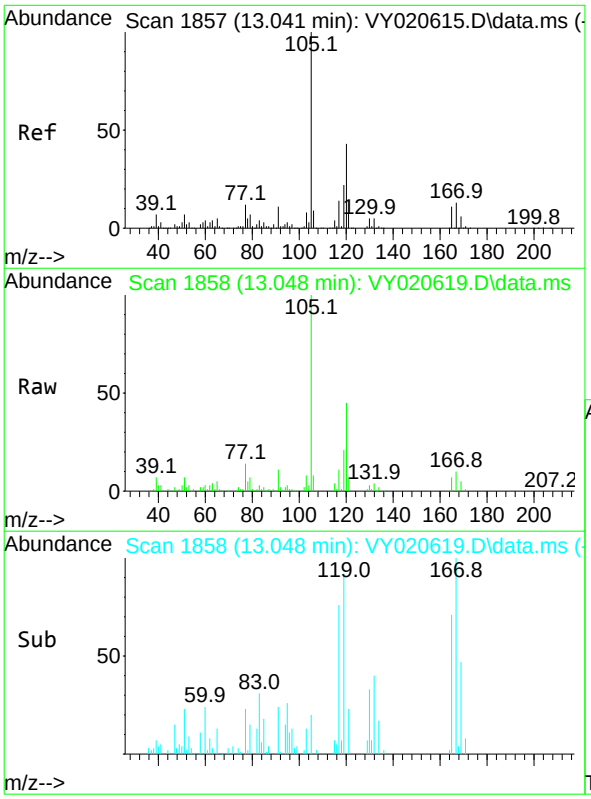
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.9	98.6
134	25.0	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

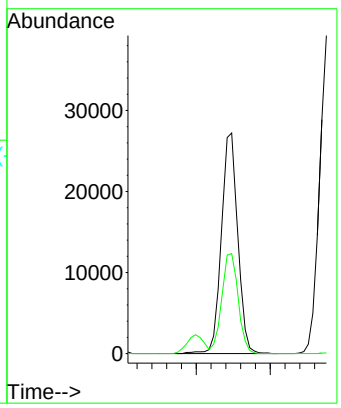
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

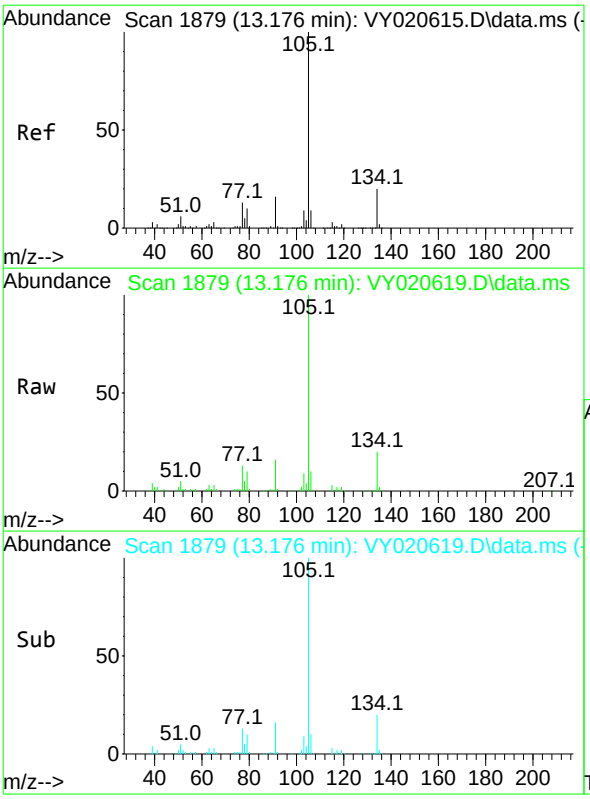


#84
1,2,4-Trimethylbenzene
Concen: 4.974 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 41754

Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.8	65.4

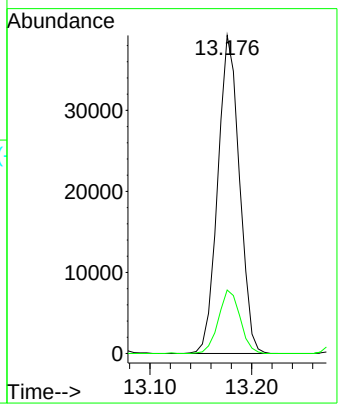




#85
sec-Butylbenzene
Concen: 5.154 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 58088

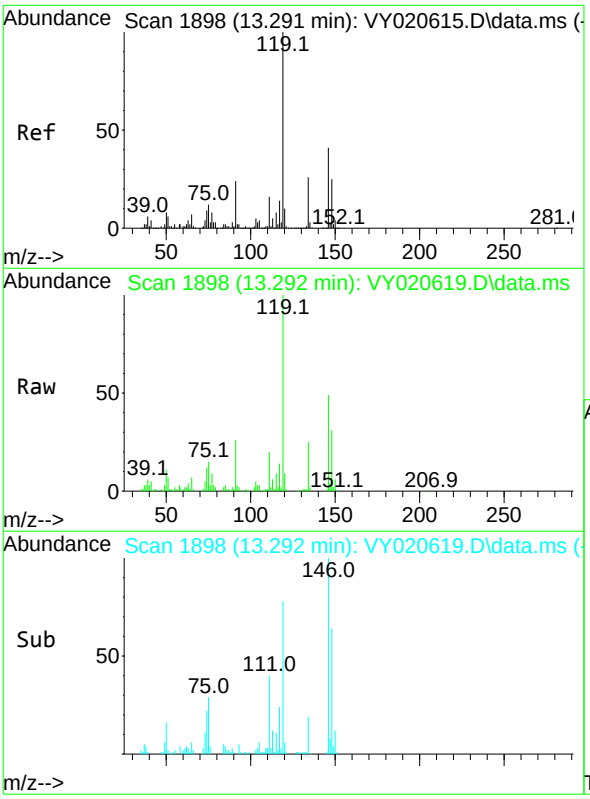
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

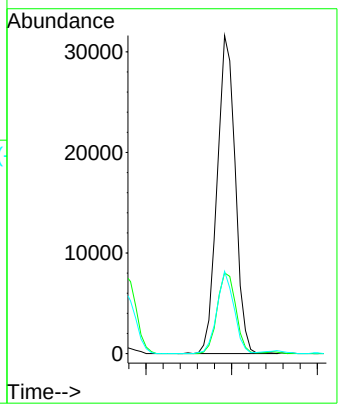
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

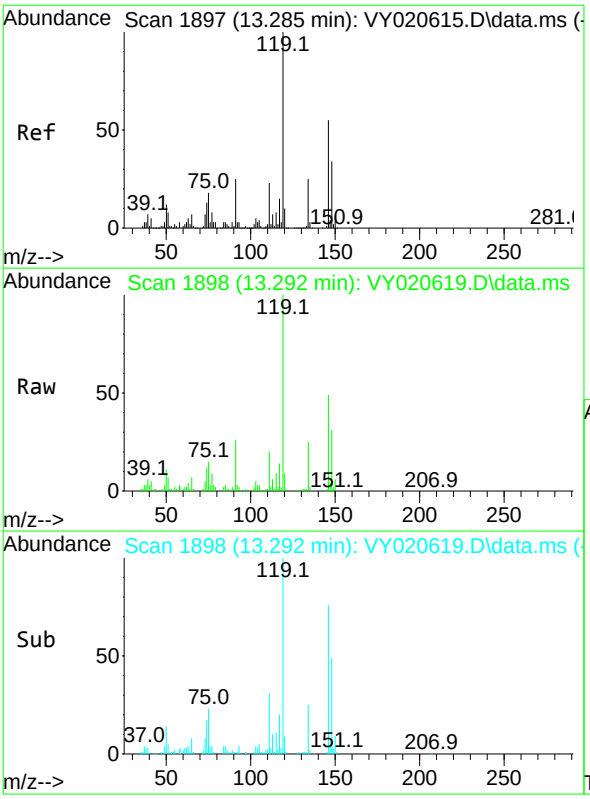


#86
p-Isopropyltoluene
Concen: 4.992 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

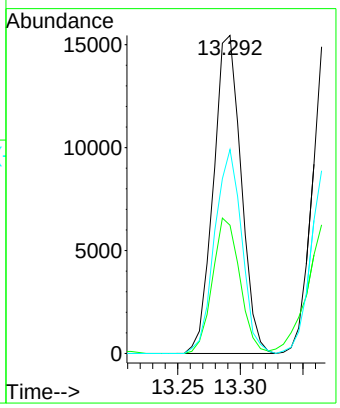




#87
1,3-Dichlorobenzene
Concen: 5.238 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 23757

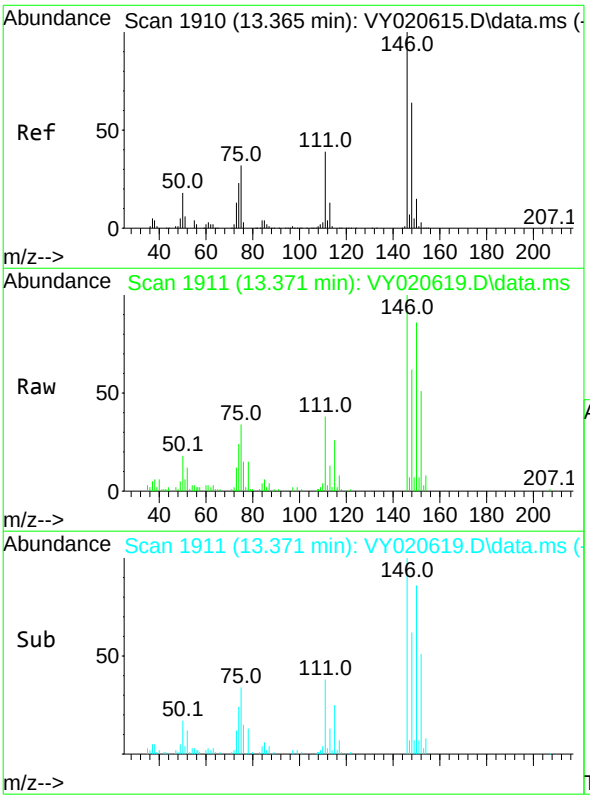
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.8
148	62.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

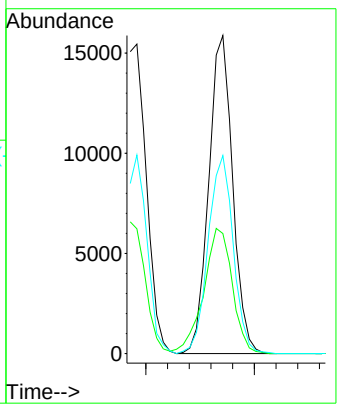
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

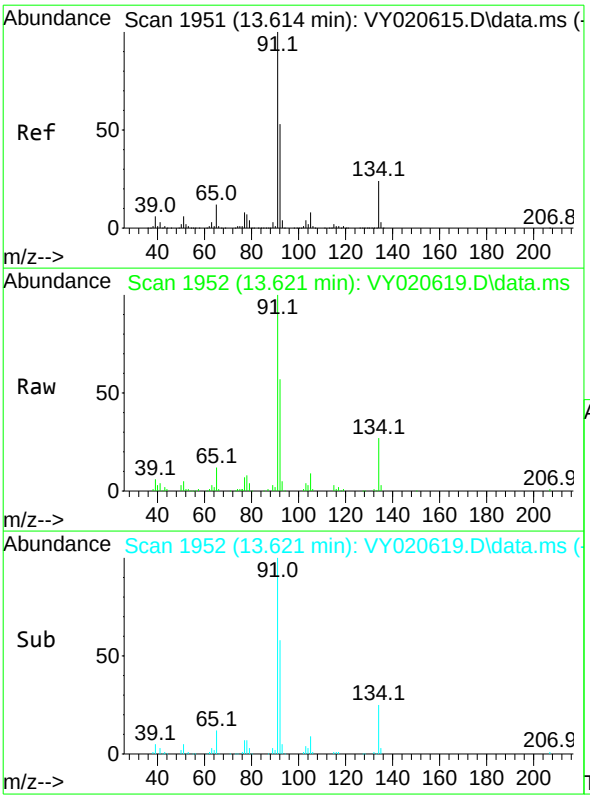


#88
1,4-Dichlorobenzene
Concen: 5.404 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

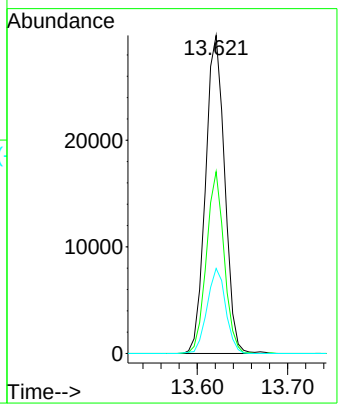
Tgt Ion: 91 Resp: 43817

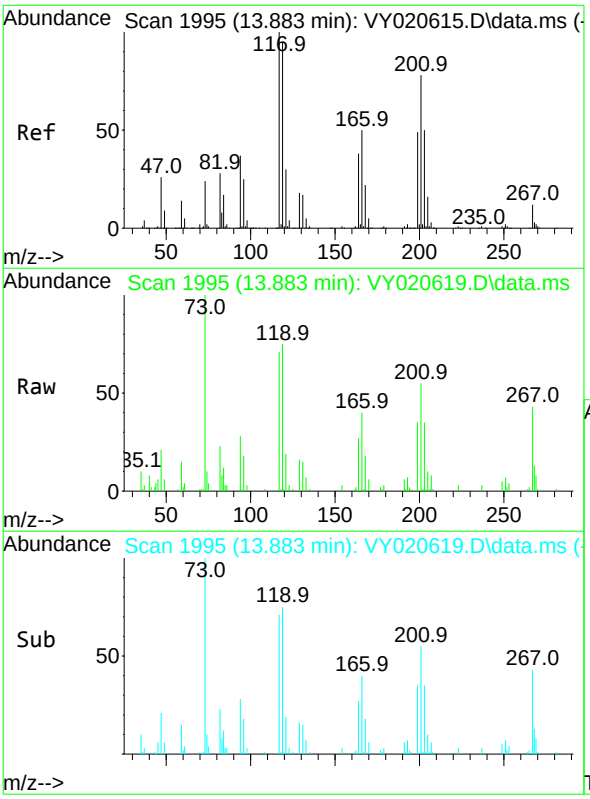
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.0	12.5	37.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

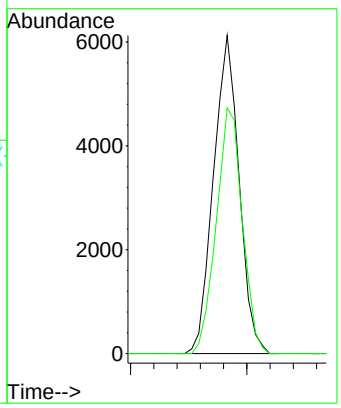


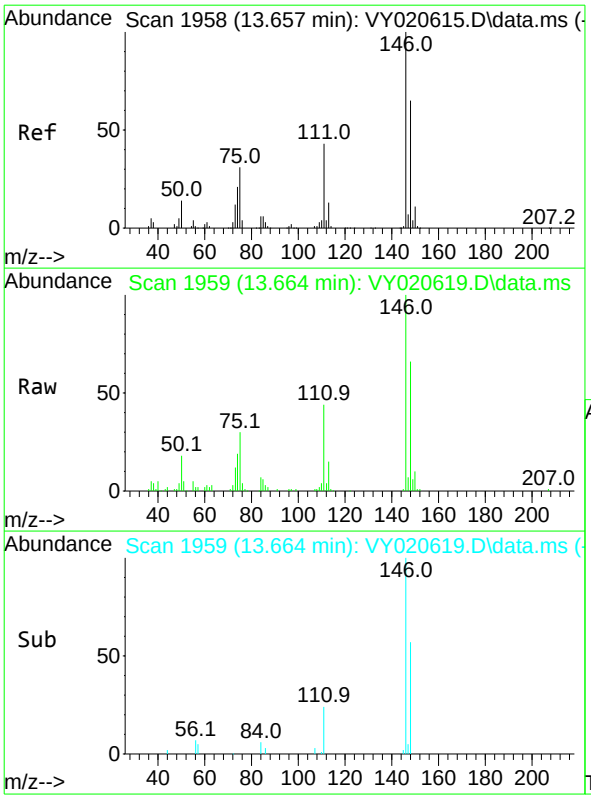


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 9361

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3

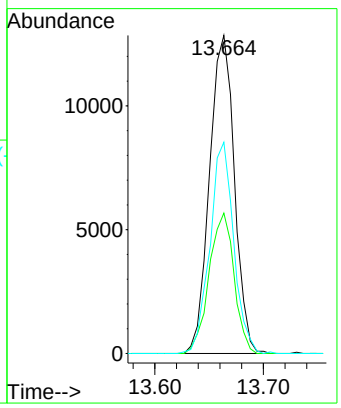




#91
1,2-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 20478

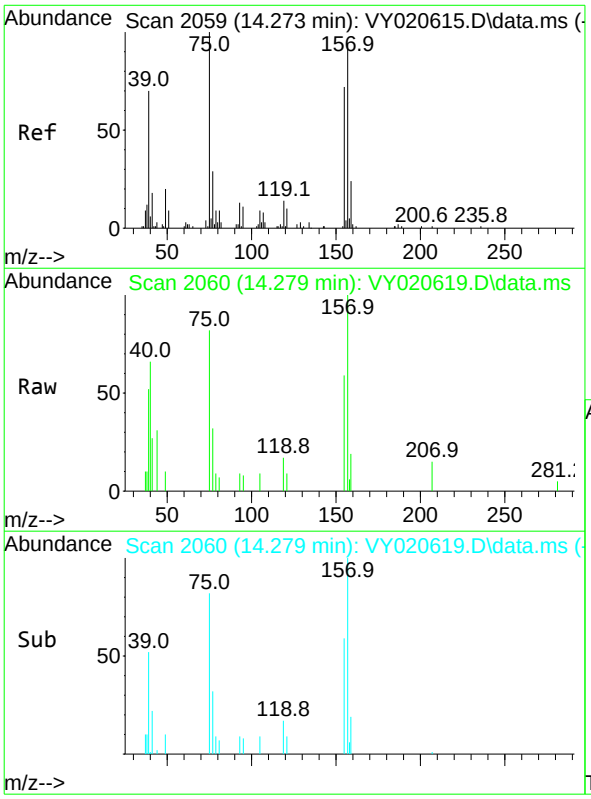
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

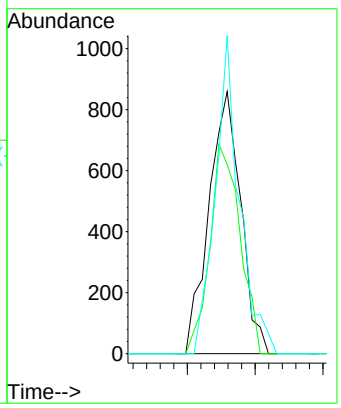
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

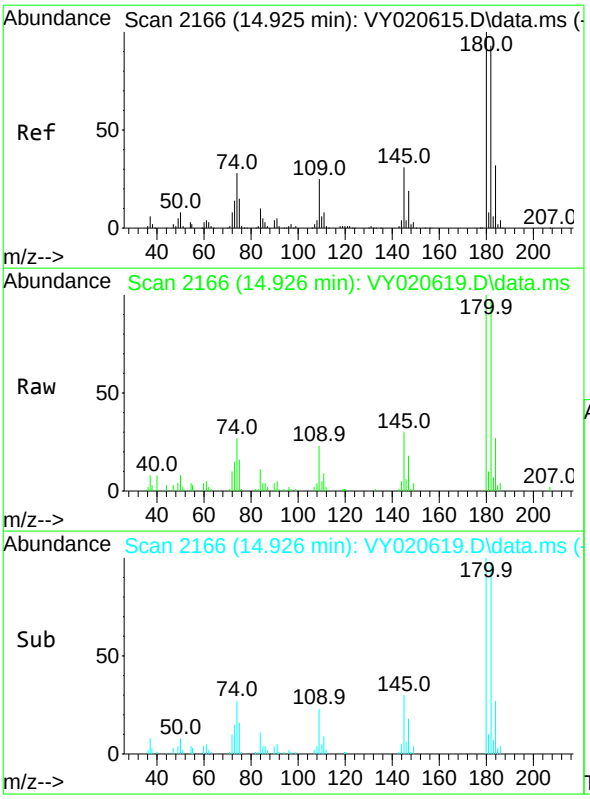


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.051 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

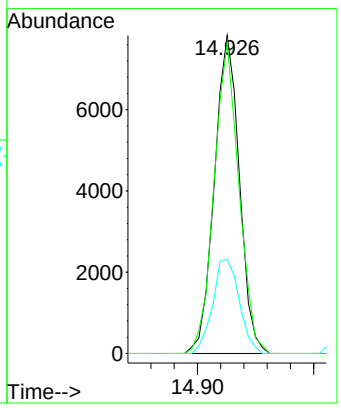




#93
1,2,4-Trichlorobenzene
Concen: 4.900 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:180 Resp: 11648

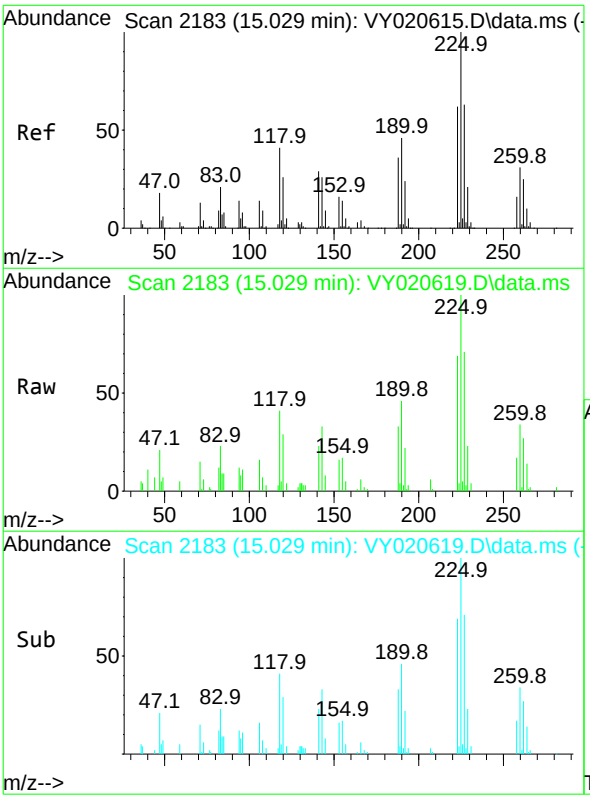
Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.6
145	31.7	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

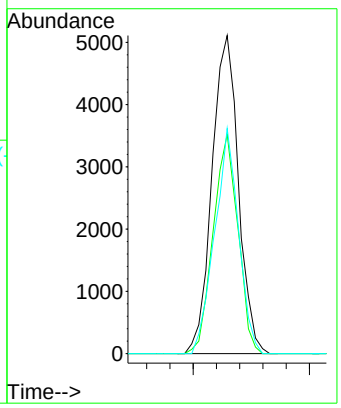
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

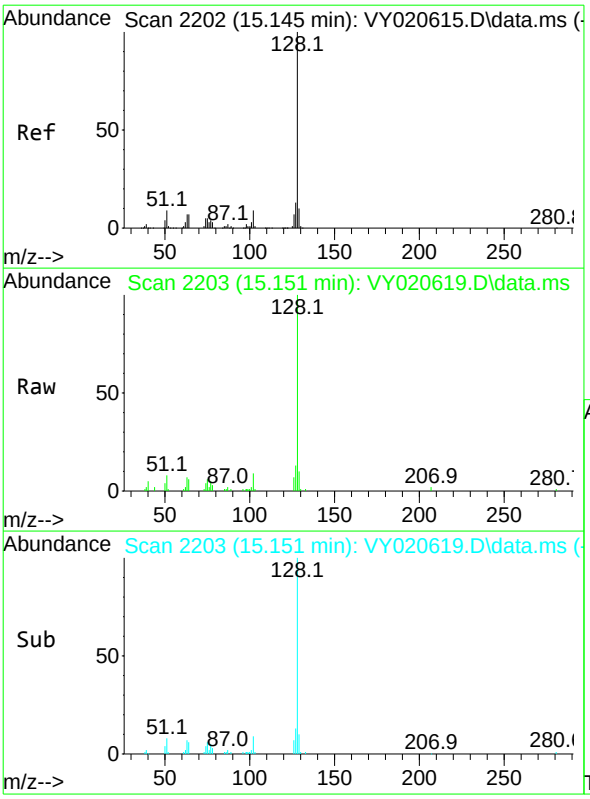


#94
Hexachlorobutadiene
Concen: 5.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

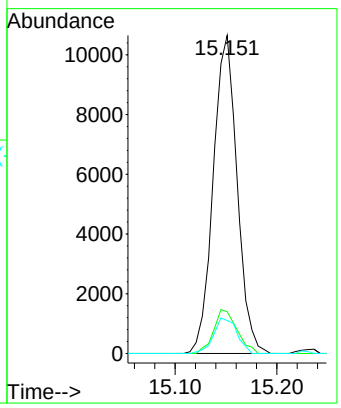




#95
Naphthalene
Concen: 4.261 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:128 Resp: 17365

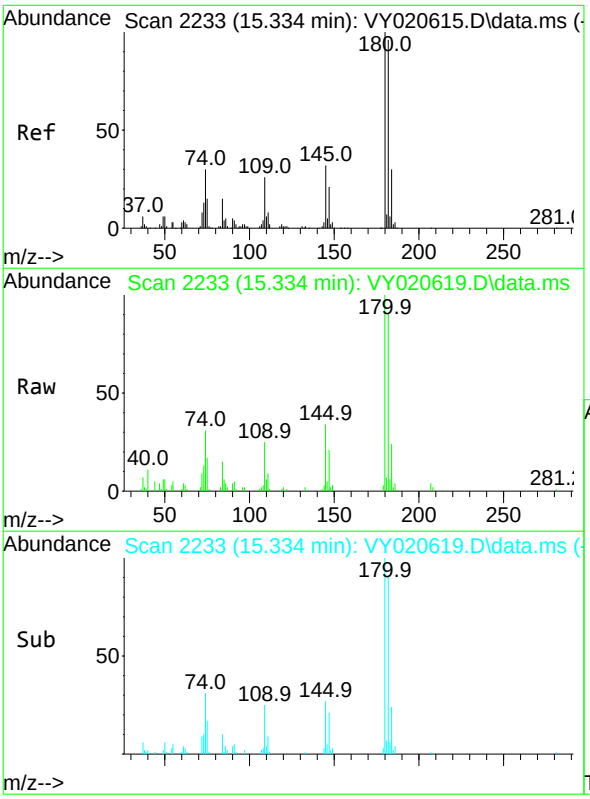
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

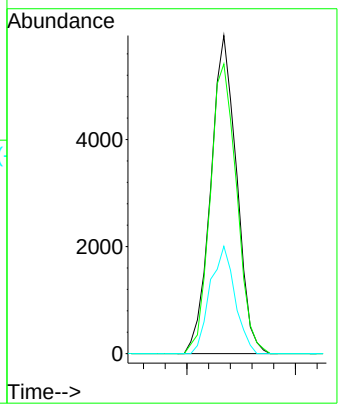
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#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)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations APPROVED
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Quant Time: Dec 18 14:20:30 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	7.713	168	181172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	281800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	135162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93039	46.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.780%			
35) Dibromofluoromethane	7.640	113	95632	48.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.300%			
50) Toluene-d8	10.109	98	336852	48.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.408	95	123092	45.267	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	116592	51.523	ug/l	98
3) Chloromethane	2.074	50	94009	56.068	ug/l	99
4) Vinyl Chloride	2.208	62	93185	59.712	ug/l	100
5) Bromomethane	2.598	94	58436	58.252	ug/l	98
6) Chloroethane	2.739	64	56906	59.008	ug/l	98
7) Trichlorofluoromethane	3.068	101	174799	53.530	ug/l	98
8) Diethyl Ether	3.458	74	61832	53.992	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	129101	55.158	ug/l	100
10) Methyl Iodide	4.013	142	154019	59.104	ug/l	98
11) Tert butyl alcohol	4.872	59	45575	213.025	ug/l	99
12) 1,1-Dichloroethene	3.799	96	127279	56.045	ug/l	99
13) Acrolein	3.659	56	14612	155.740	ug/l	97
14) Allyl chloride	4.391	41	228359	57.385	ug/l	98
15) Acrylonitrile	5.067	53	142723	260.505	ug/l	98
16) Acetone	3.873	43	101352	257.301	ug/l	100
17) Carbon Disulfide	4.116	76	417887	56.530	ug/l	100
18) Methyl Acetate	4.391	43	73409	54.377	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	317105	54.099	ug/l	99
20) Methylene Chloride	4.629	84	133010	53.915	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	141258	55.450	ug/l	97
22) Diisopropyl ether	6.025	45	452462	56.015	ug/l	97
23) Vinyl Acetate	5.964	43	1258502	275.088	ug/l	100
24) 1,1-Dichloroethane	5.927	63	263259	55.632	ug/l	99
25) 2-Butanone	6.903	43	179579	243.530	ug/l	100
26) 2,2-Dichloropropane	6.890	77	234203	52.354	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	162240	55.354	ug/l	99
28) Bromochloromethane	7.250	49	88805	55.637	ug/l	98
29) Tetrahydrofuran	7.268	42	120593	259.058	ug/l	99
30) Chloroform	7.427	83	267283	56.991	ug/l	97
31) Cyclohexane	7.707	56	230457	50.933	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	236866	54.484	ug/l	99
36) 1,1-Dichloropropene	7.841	75	195474	53.976	ug/l	100
37) Ethyl Acetate	6.988	43	85696	50.307	ug/l	99
38) Carbon Tetrachloride	7.823	117	215219	53.714	ug/l	97
39) Methylcyclohexane	9.109	83	250222	53.013	ug/l	99
40) Benzene	8.085	78	584718	55.083	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45639	50.678	ug/l	#	92
42) 1,2-Dichloroethane	8.158	62	149628	53.147	ug/l		100
43) Isopropyl Acetate	8.201	43	170873	52.984	ug/l		100
44) Trichloroethene	8.866	130	142790	54.743	ug/l		99
45) 1,2-Dichloropropane	9.146	63	134987	54.411	ug/l		94
46) Dibromomethane	9.231	93	69796	53.233	ug/l		99
47) Bromodichloromethane	9.426	83	191747	54.141	ug/l		99
48) Methyl methacrylate	9.225	41	80945	52.797	ug/l		98
49) 1,4-Dioxane	9.231	88	15521	1032.238	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	434924	255.497	ug/l		99
52) Toluene	10.176	92	360124	54.590	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	181188	54.904	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	216369	55.329	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	91364	52.705	ug/l		98
56) Ethyl methacrylate	10.438	69	138340	55.009	ug/l		98
57) 1,3-Dichloropropane	10.719	76	165219	53.466	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	246475	232.929	ug/l		100
59) 2-Hexanone	10.762	43	284335	260.158	ug/l		99
60) Dibromochloromethane	10.914	129	126021	54.359	ug/l		99
61) 1,2-Dibromoethane	11.018	107	85370	52.944	ug/l		100
64) Tetrachloroethene	10.652	164	122795	53.056	ug/l		95
65) Chlorobenzene	11.444	112	378529	55.019	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	129481	55.037	ug/l		99
67) Ethyl Benzene	11.524	91	703089	55.393	ug/l		99
68) m/p-Xylenes	11.627	106	519103	109.995	ug/l		100
69) o-Xylene	11.957	106	242747	55.129	ug/l		98
70) Styrene	11.975	104	406649	55.275	ug/l		99
71) Bromoform	12.133	173	71545	54.090	ug/l	#	98
73) Isopropylbenzene	12.255	105	655105	55.541	ug/l		100
74) N-amyl acetate	12.072	43	151318	54.818	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	102678	53.630	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	69918m	49.797	ug/l		
77) Bromobenzene	12.536	156	141911	55.233	ug/l		99
78) n-propylbenzene	12.597	91	783540	55.137	ug/l		99
79) 2-Chlorotoluene	12.682	91	446278	55.818	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	534457	55.844	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	37214	55.634	ug/l		99
82) 4-Chlorotoluene	12.780	91	451687	54.455	ug/l		100
83) tert-Butylbenzene	12.999	119	472868	54.556	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	525941	56.024	ug/l		98
85) sec-Butylbenzene	13.176	105	694384	55.099	ug/l		100
86) p-Isopropyltoluene	13.298	119	585461	56.346	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	280882	55.381	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	271866	54.122	ug/l		99
89) n-Butylbenzene	13.621	91	552991	56.156	ug/l		99
90) Hexachloroethane	13.883	117	113928	55.329	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	239707	54.548	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15981	51.412	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	149441	56.222	ug/l		99
94) Hexachlorobutadiene	15.029	225	97741	56.250	ug/l		99
95) Naphthalene	15.151	128	256906	56.376	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	126145	56.169	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 14:20:30 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 :
ICVVY121824

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

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\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
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QLast Update : Wed Dec 18 05:27:13 2024
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Instrument :
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ClientSampleId :
ICVVY121824

Manual Integrations APPROVED

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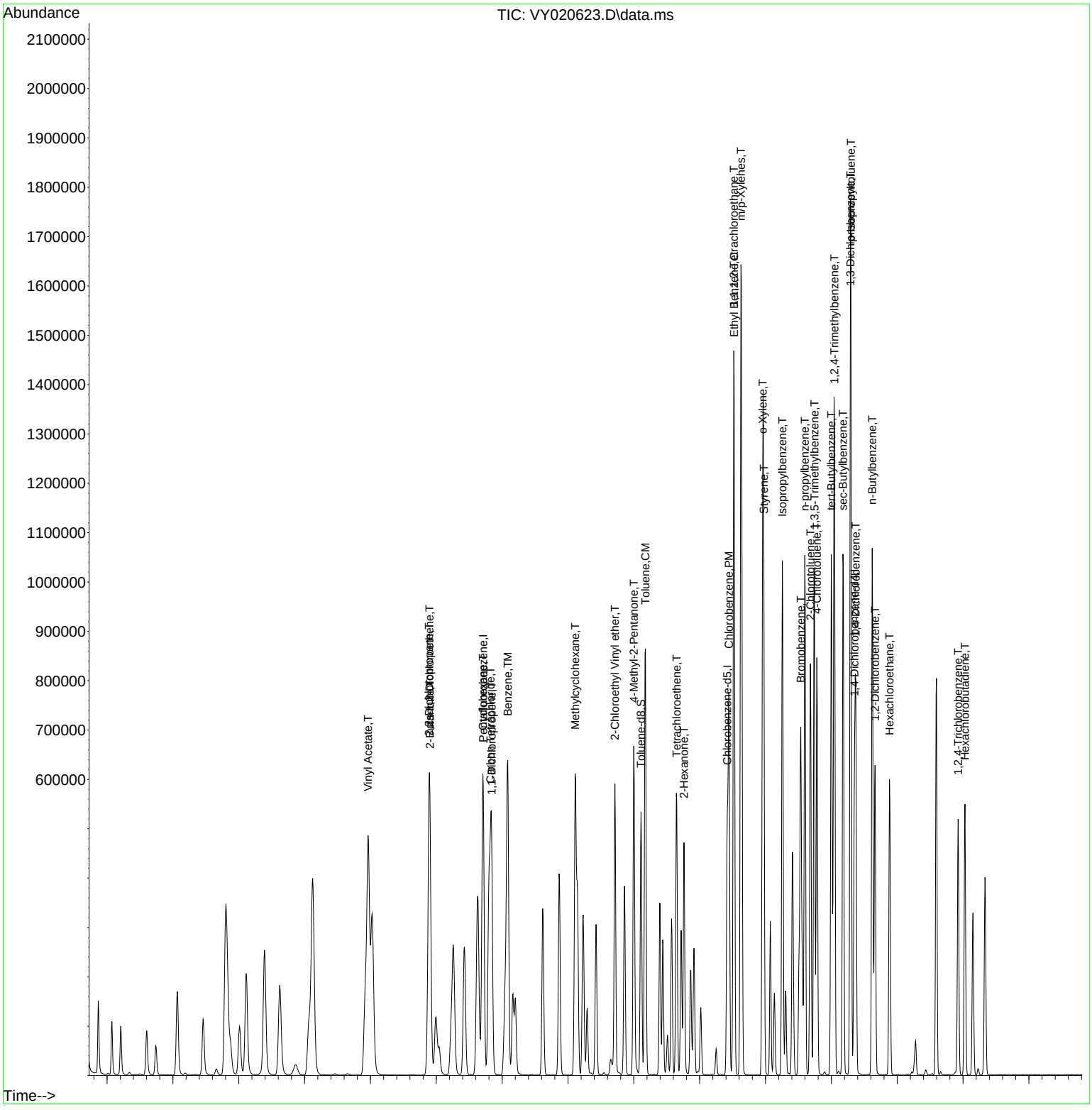

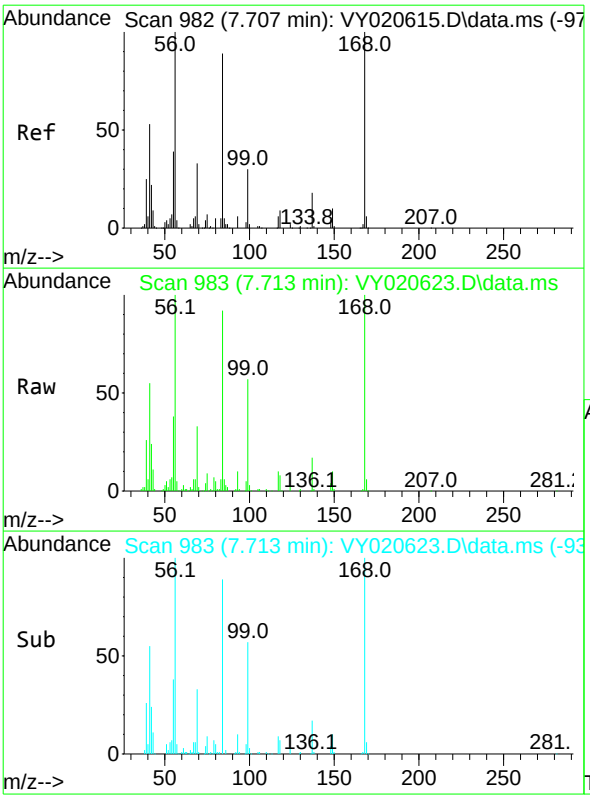

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:168 Resp: 181172

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

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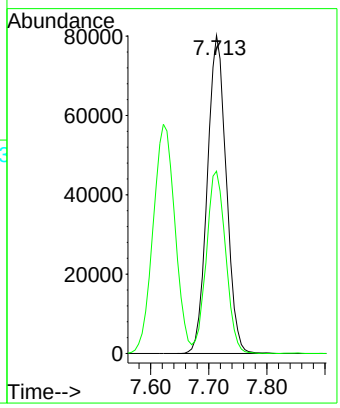
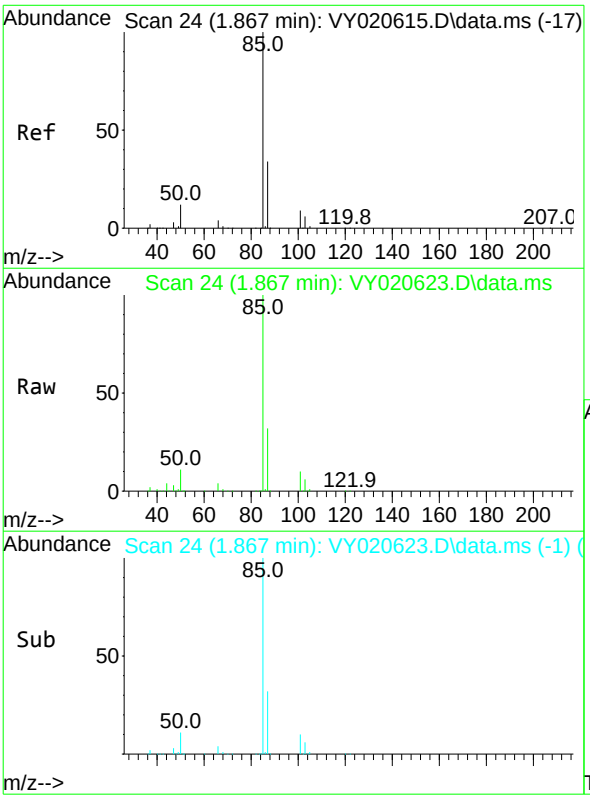
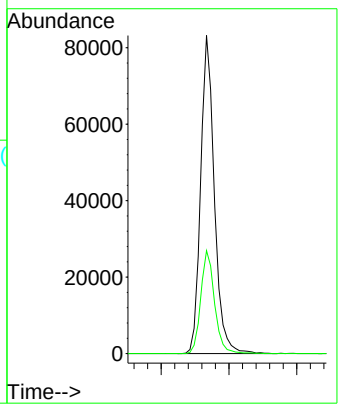


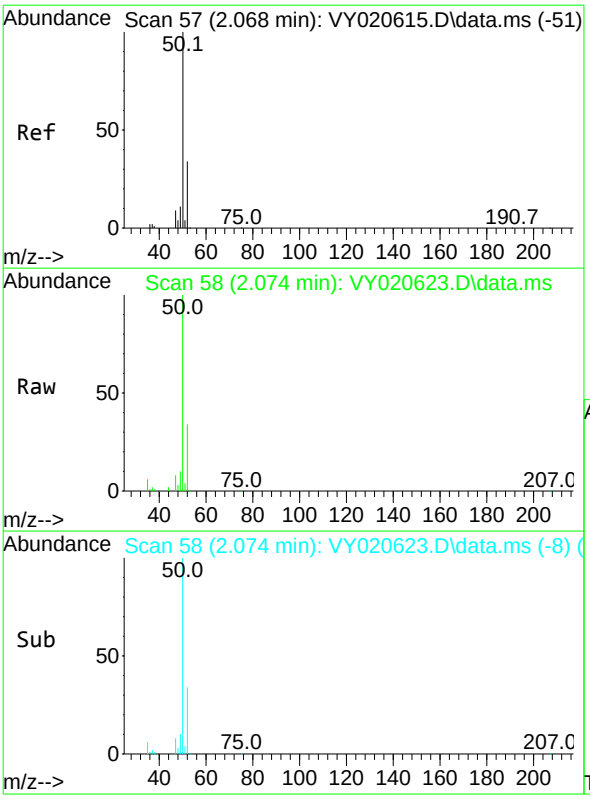


#2
Dichlorodifluoromethane
Concen: 51.523 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 85 Resp: 116592

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.8	50.3

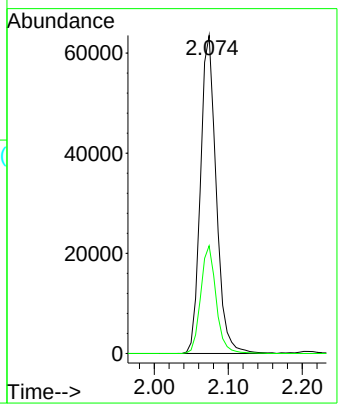




#3
Chloromethane
Concen: 56.068 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 50 Resp: 94009

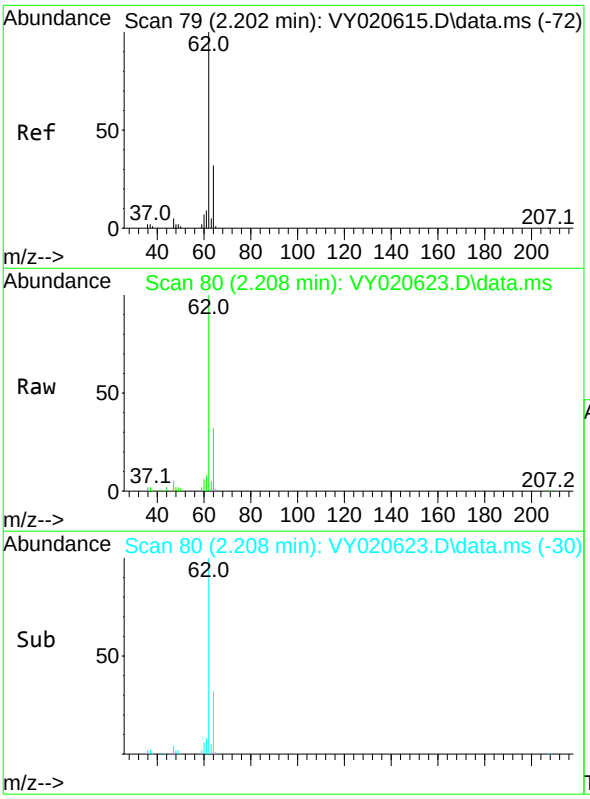
Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

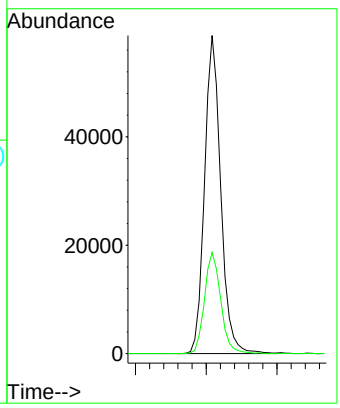
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

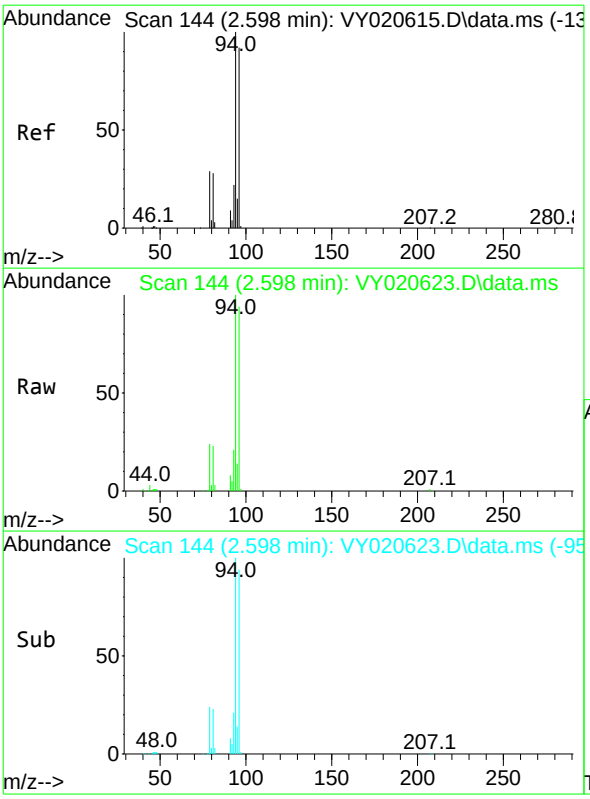


#4
Vinyl Chloride
Concen: 59.712 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 62 Resp: 93185

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.3	37.9

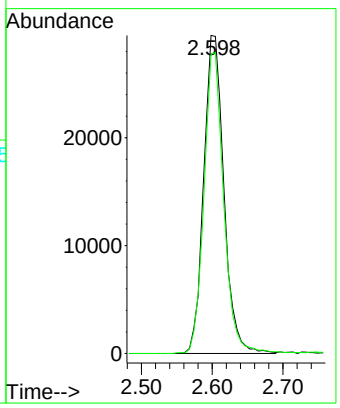




#5
Bromomethane
Concen: 58.252 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 94 Resp: 58436

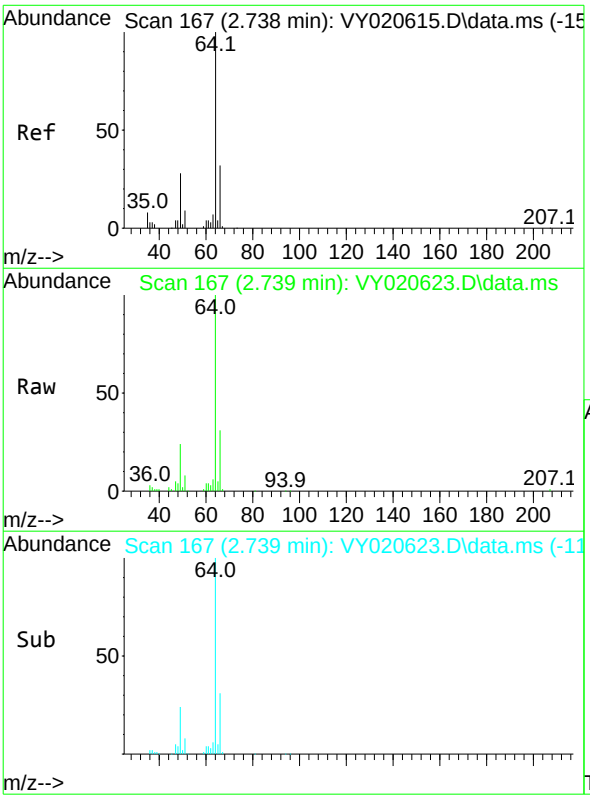
Ion	Ratio	Lower	Upper
94	100		
96	93.9	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

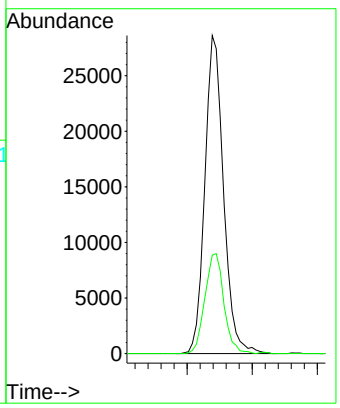
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

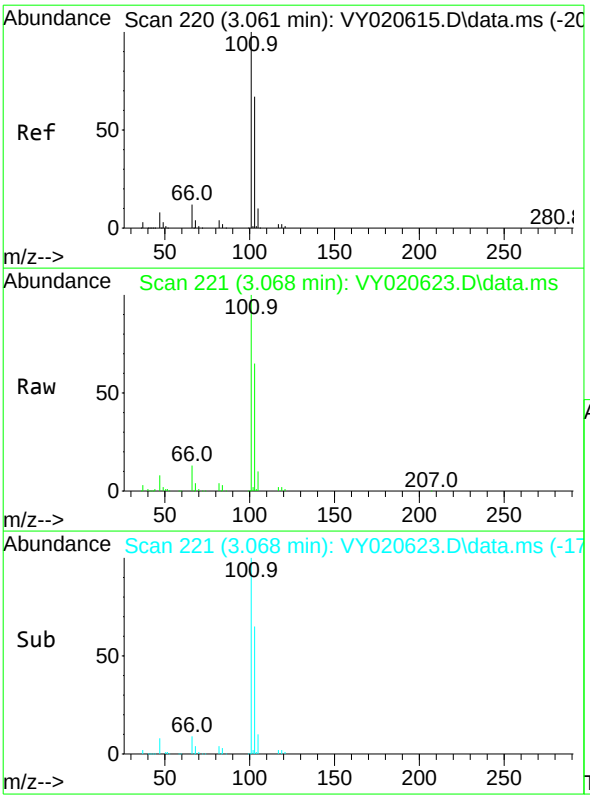


#6
Chloroethane
Concen: 59.008 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 64 Resp: 56906

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6

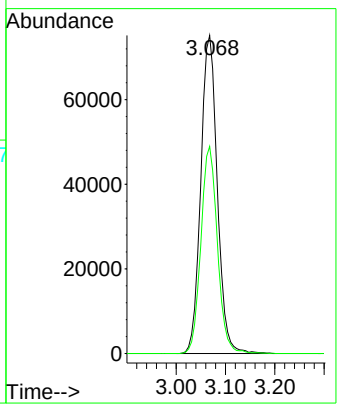




#7
Trichlorofluoromethane
Concen: 53.530 ug/l
RT: 3.068 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:101 Resp: 174799

Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/19/2024
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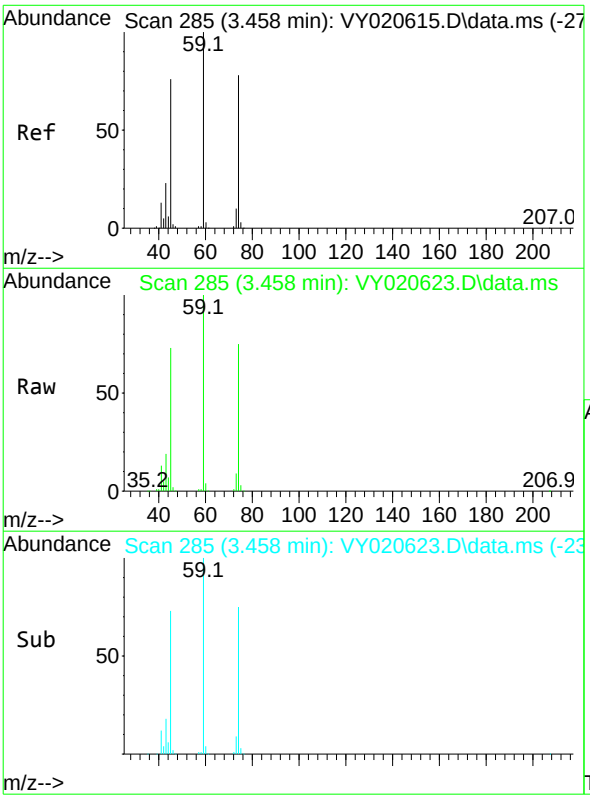
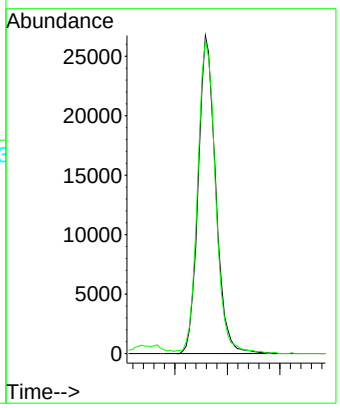
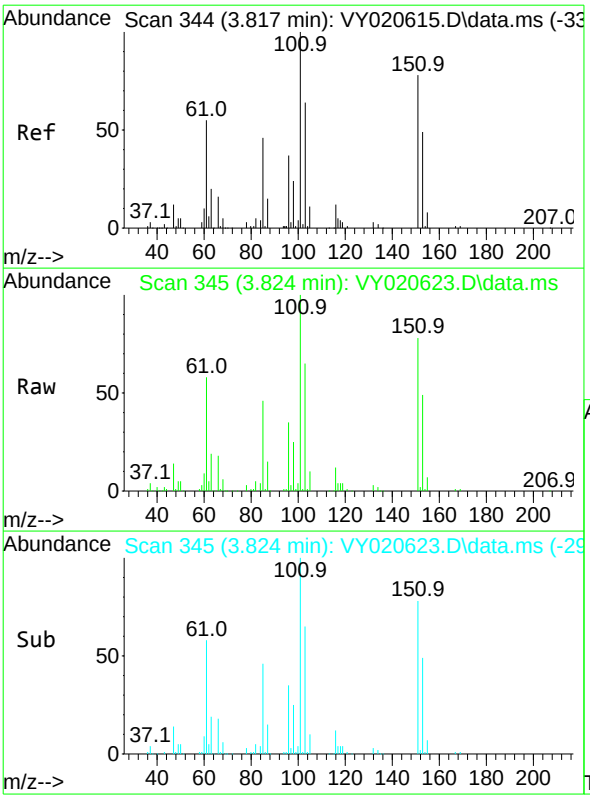


#8
Diethyl Ether
Concen: 53.992 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 74 Resp: 61832

Ion	Ratio	Lower	Upper
74	100		
45	101.1	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.158 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:101 Resp: 129101

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.6	54.8
151	76.7	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

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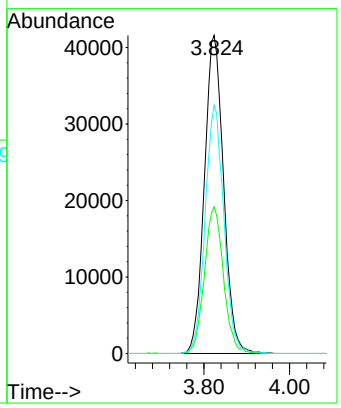
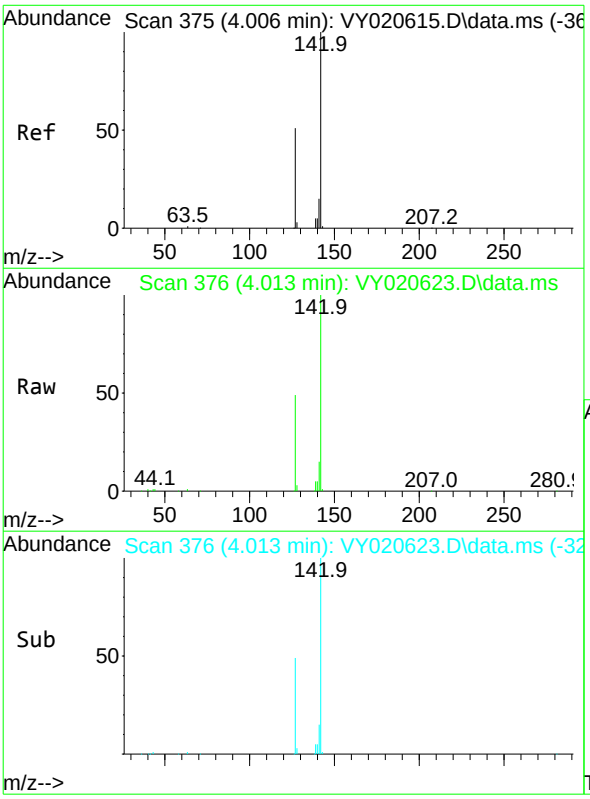
Supervised By :Semsettin Yesilyurt 12/19/2024

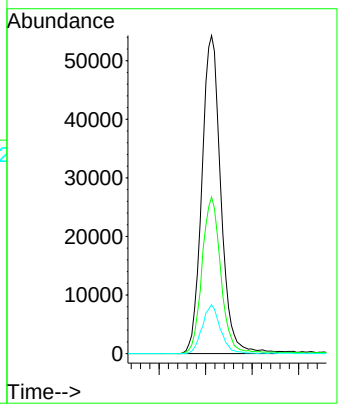


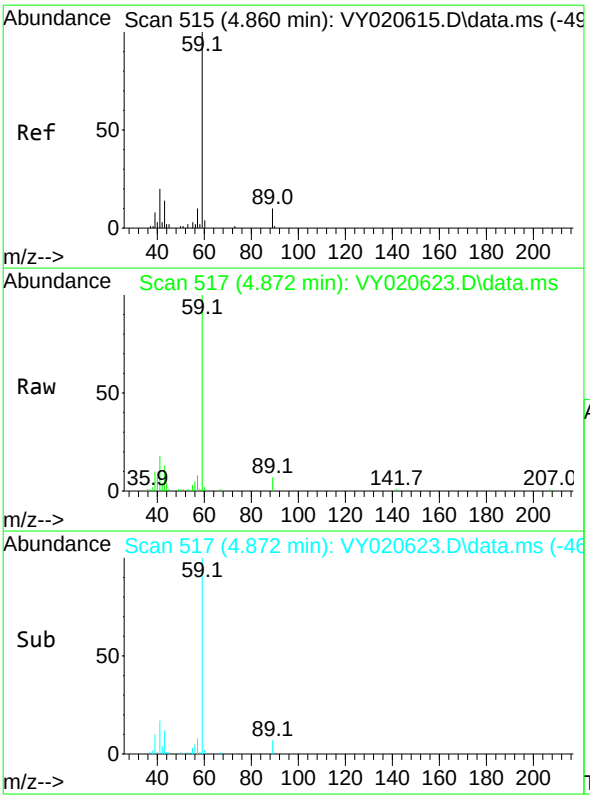


#10
Methyl Iodide
Concen: 59.104 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:142 Resp: 154019

Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.6	61.0
141	14.7	11.7	17.5

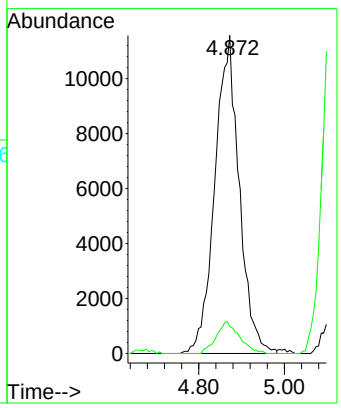




#11
Tert butyl alcohol
Concen: 213.025 ug/l
RT: 4.872 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 59 Resp: 45575

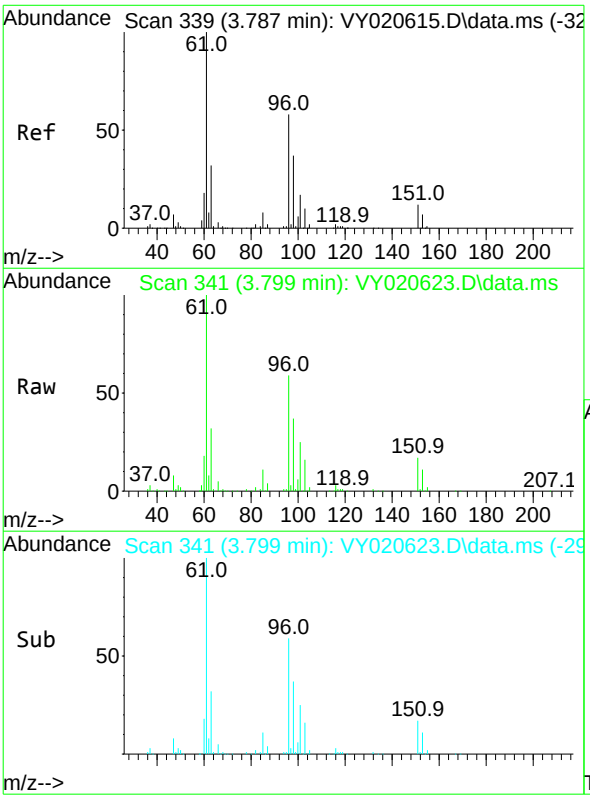
Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

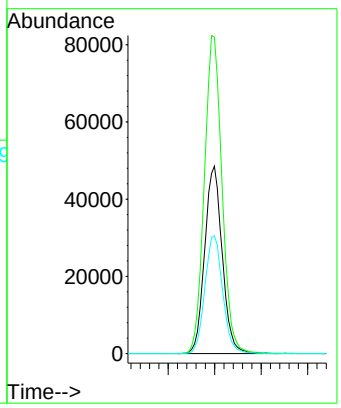
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

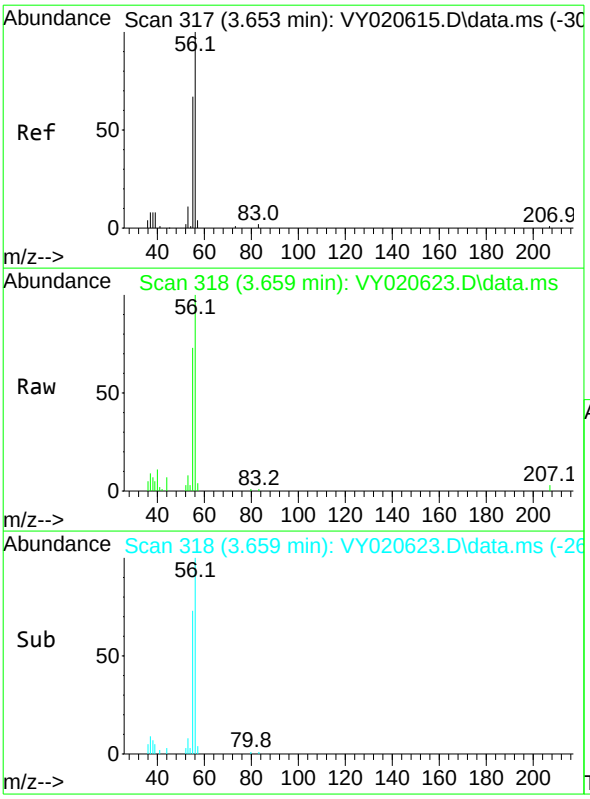


#12
1,1-Dichloroethene
Concen: 56.045 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 96 Resp: 127279

Ion	Ratio	Lower	Upper
96	100		
61	168.8	136.9	205.3
98	62.8	50.2	75.4

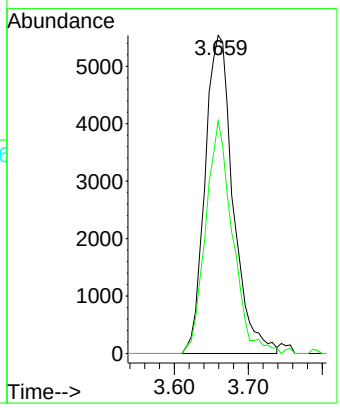




#13
Acrolein
Concen: 155.740 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 56 Resp: 14612

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
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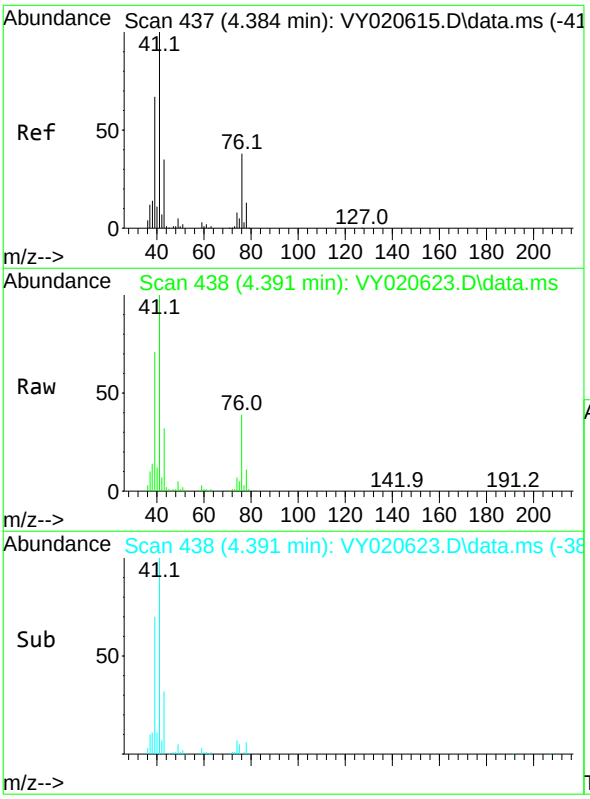
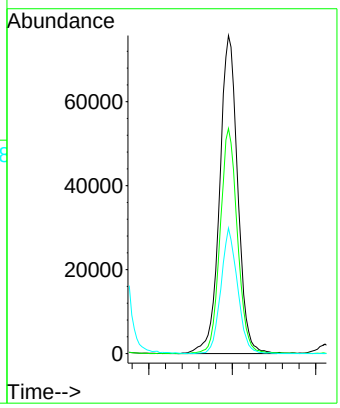
Supervised By :Semsettin Yesilyurt 12/19/2024

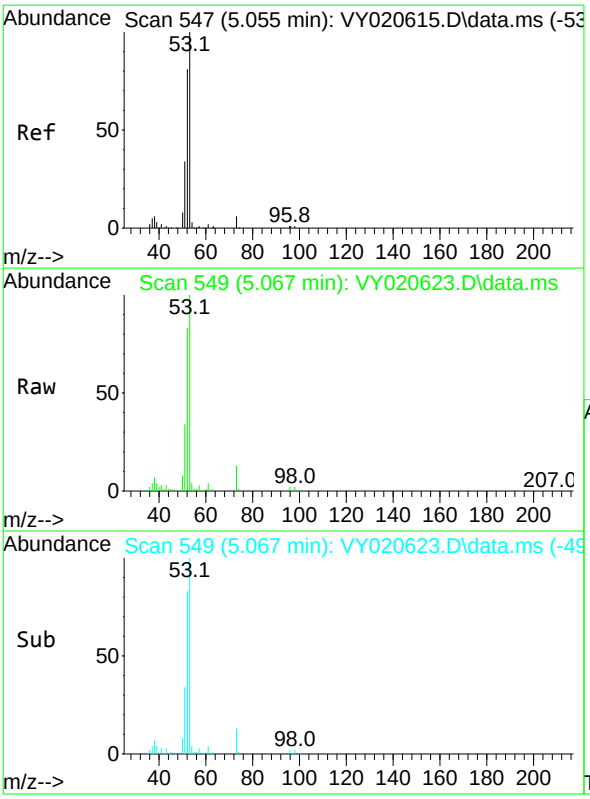


#14
Allyl chloride
Concen: 57.385 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 41 Resp: 228359

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.0	79.4
76	36.2	29.5	44.3





#15
Acrylonitrile
Concen: 260.505 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 53 Resp: 142723

Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.5	96.7
51	37.7	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
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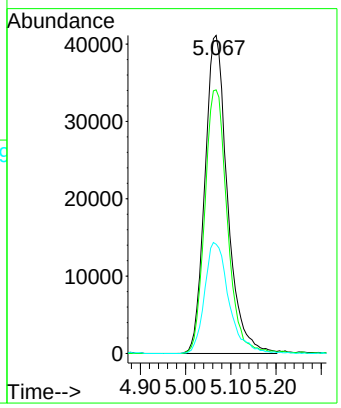
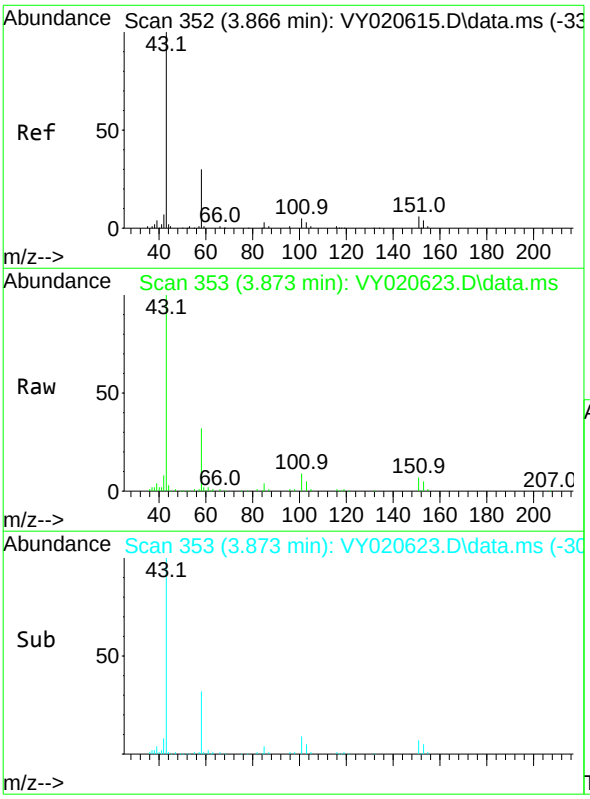
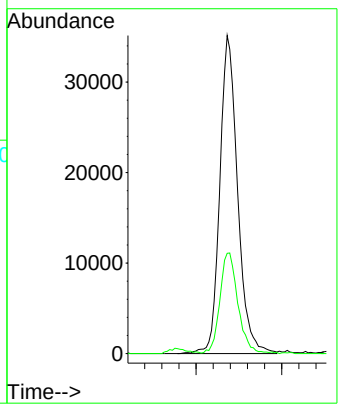


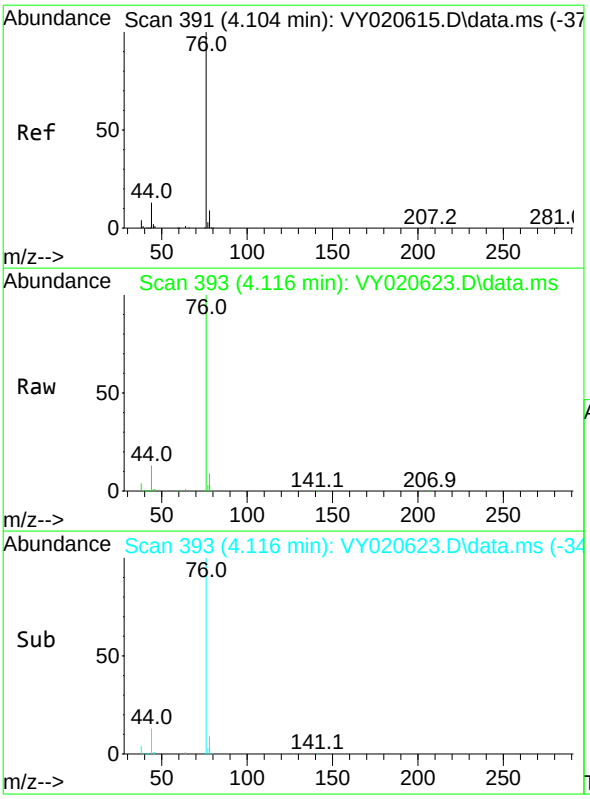


#16
Acetone
Concen: 257.301 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 101352

Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.0	37.6

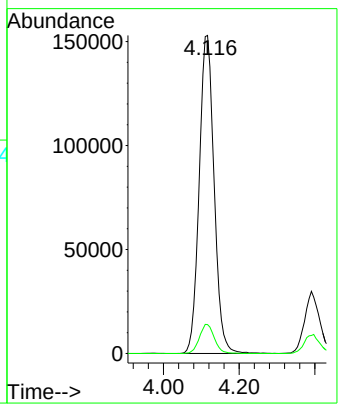




#17
Carbon Disulfide
Concen: 56.530 ug/l
RT: 4.116 min Scan# 39
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 76 Resp: 417887

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
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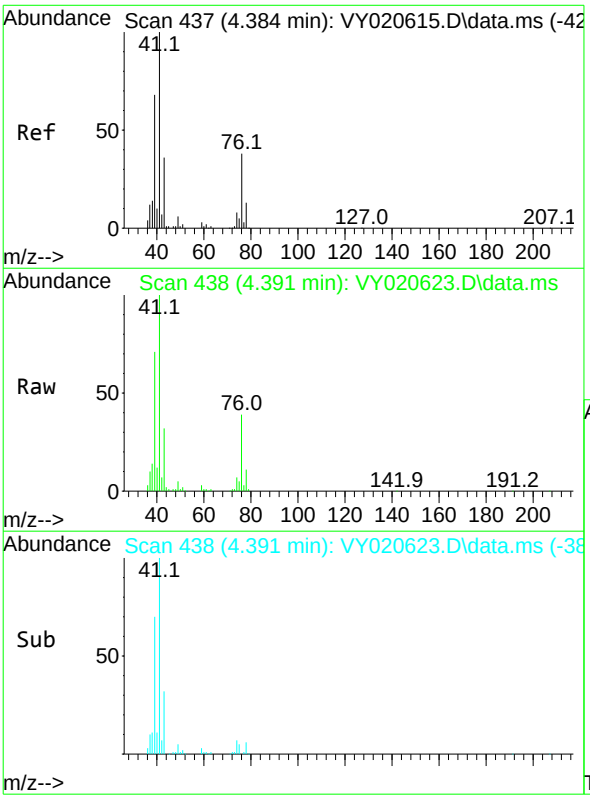
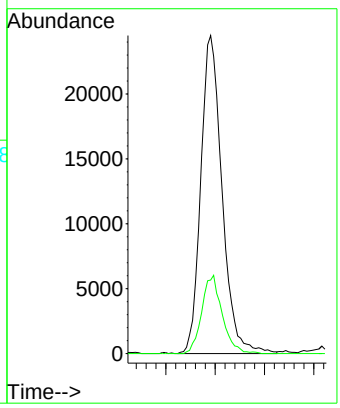
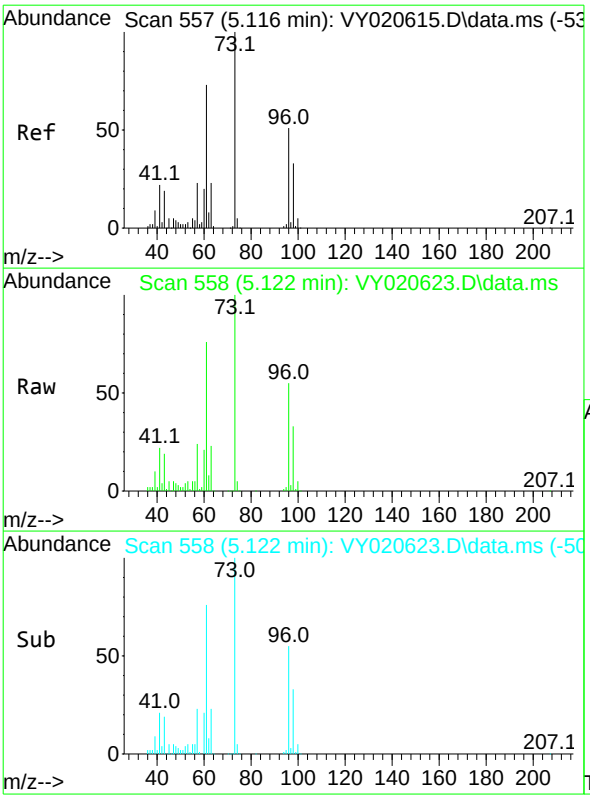


#18
Methyl Acetate
Concen: 54.377 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 73409

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8

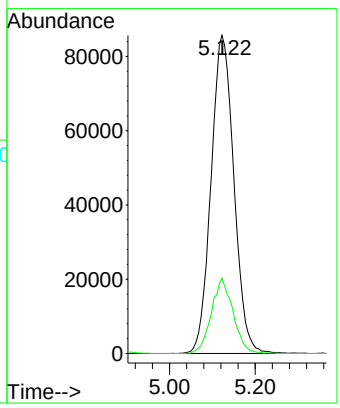




#19
Methyl tert-butyl Ether
Concen: 54.099 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 73 Resp: 317105

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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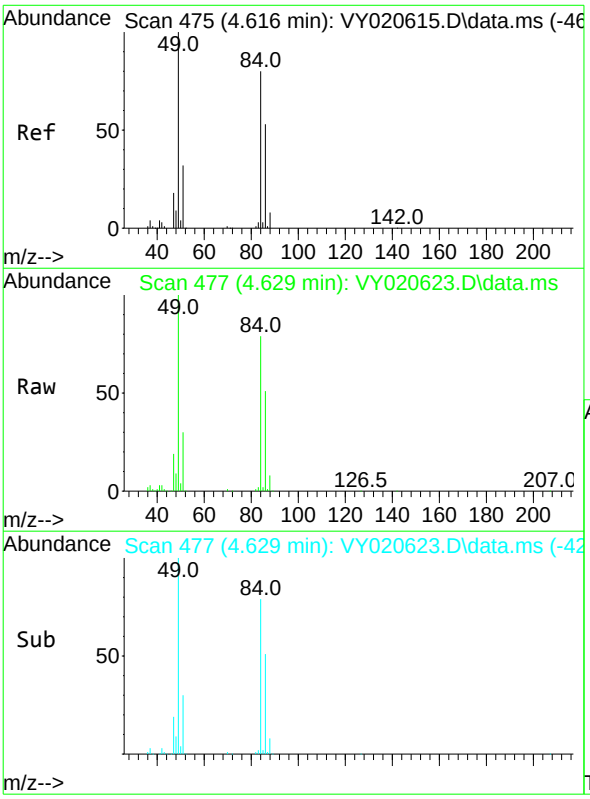
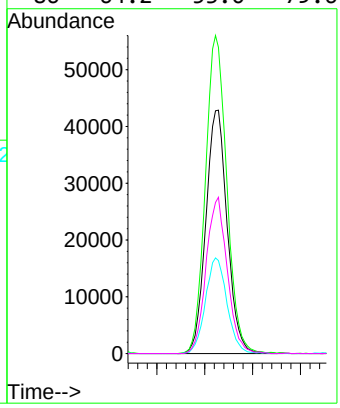
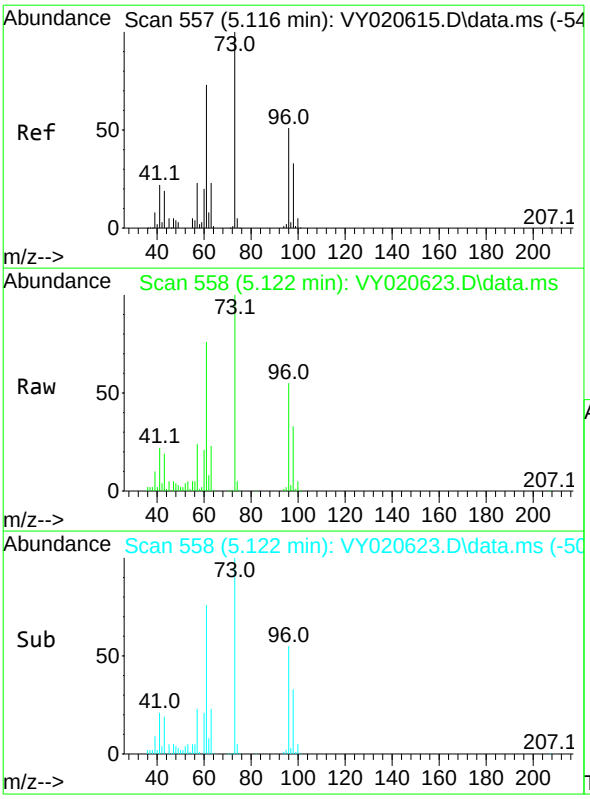


#20
Methylene Chloride
Concen: 53.915 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 84 Resp: 133010

Ion	Ratio	Lower	Upper
84	100		
49	125.8	100.7	151.1
51	38.2	32.2	48.2
86	64.2	53.0	79.6

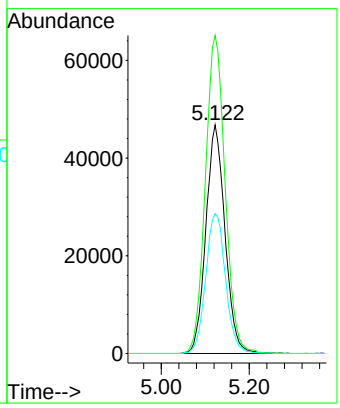




#21
trans-1,2-Dichloroethene
Concen: 55.450 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 96 Resp: 141258

Ion	Ratio	Lower	Upper
96	100		
61	139.1	113.7	170.5
98	61.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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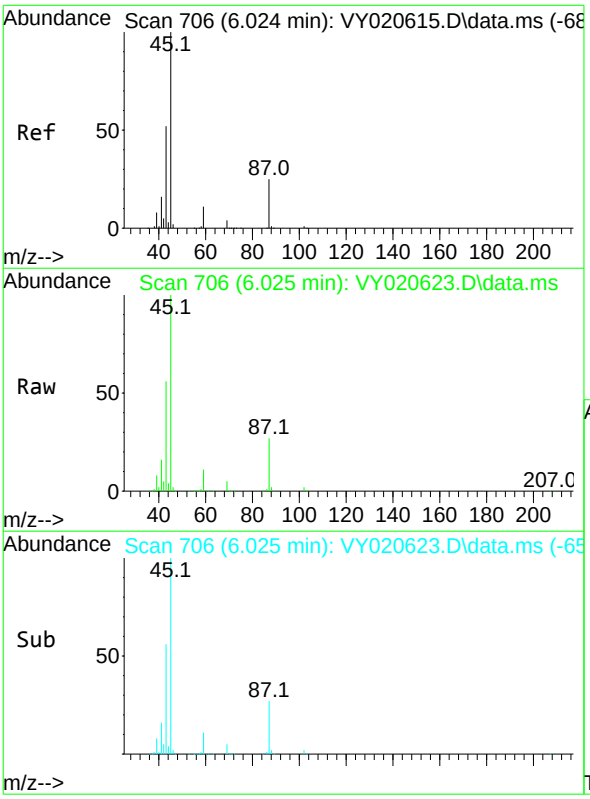
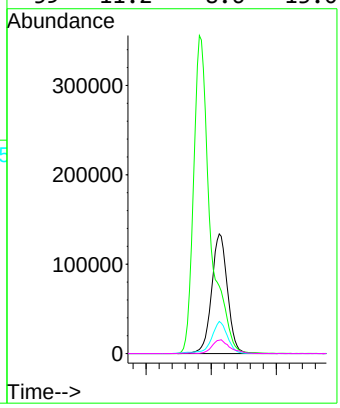
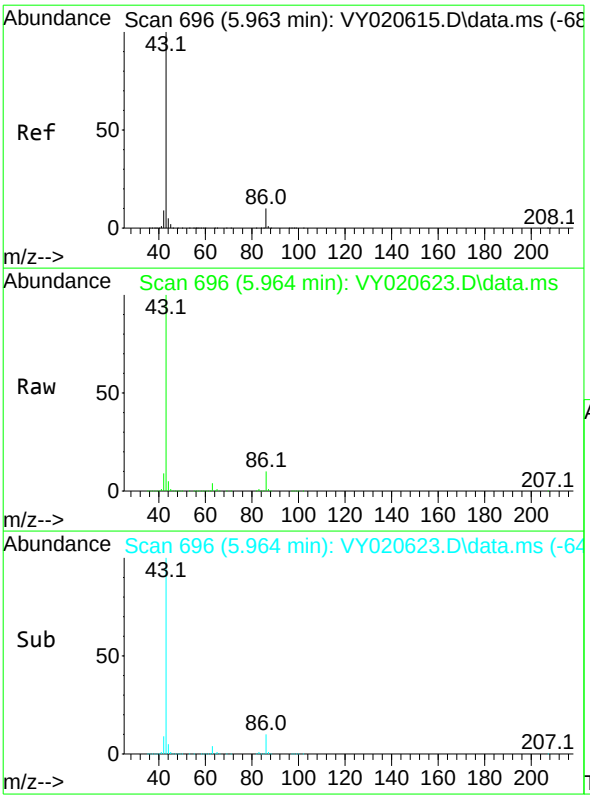


#22
Diisopropyl ether
Concen: 56.015 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 45 Resp: 452462

Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.6	64.0
87	26.9	20.6	31.0
59	11.2	8.6	13.0

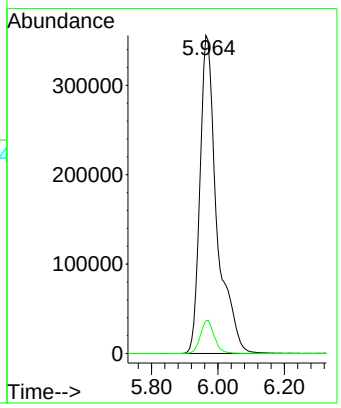




#23
Vinyl Acetate
Concen: 275.088 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 1258502

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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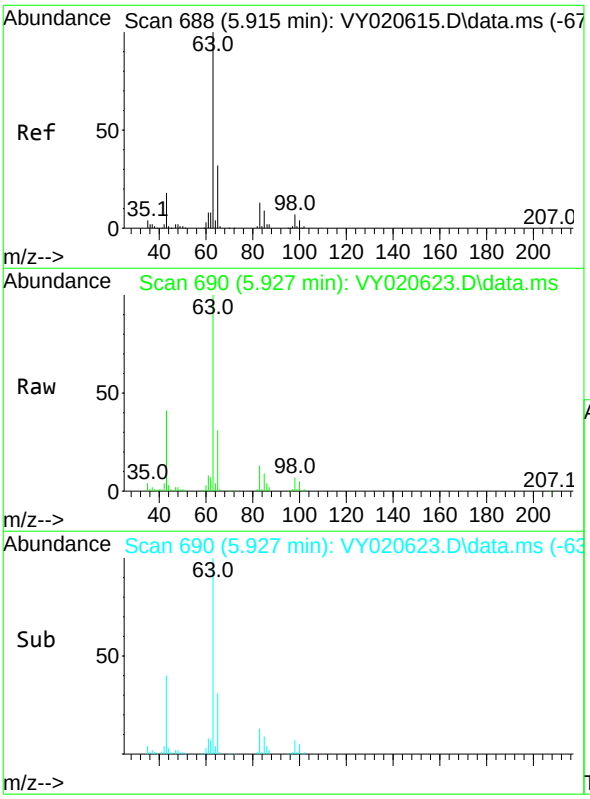
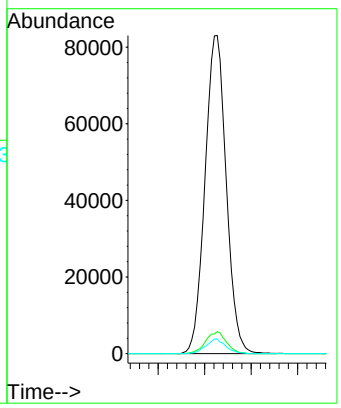
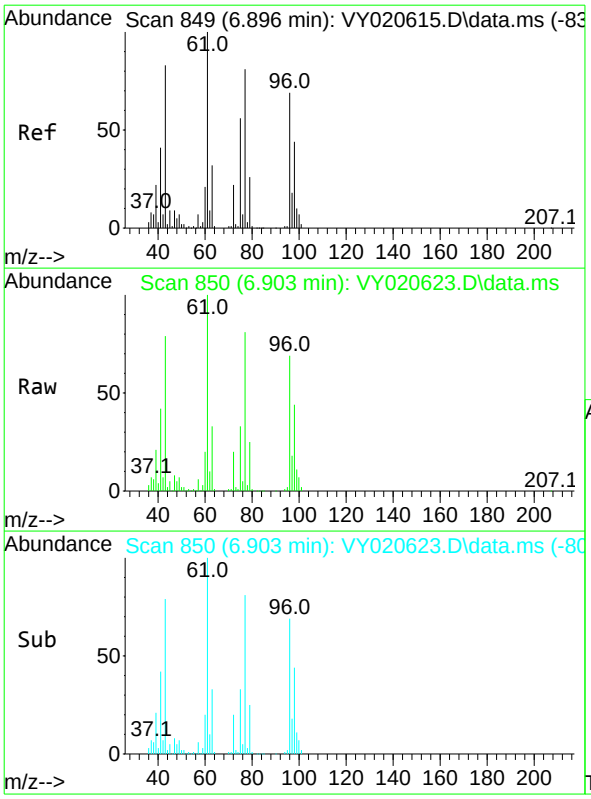


#24
1,1-Dichloroethane
Concen: 55.632 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 63 Resp: 263259

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.6	2.1	6.5

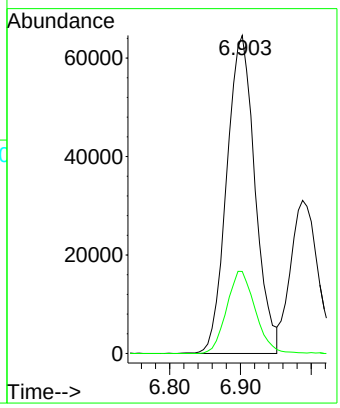




#25
2-Butanone
Concen: 243.530 ug/l
RT: 6.903 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 179579

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
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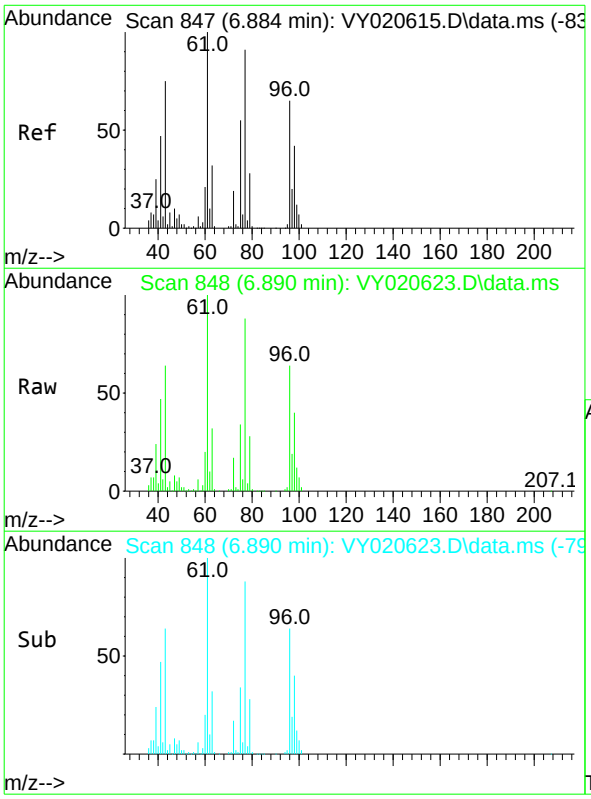
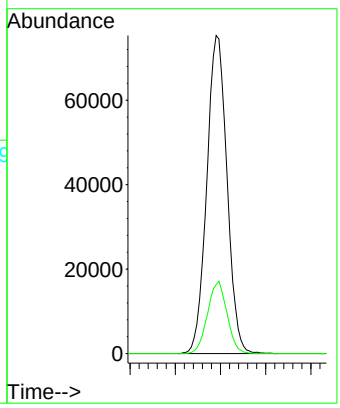
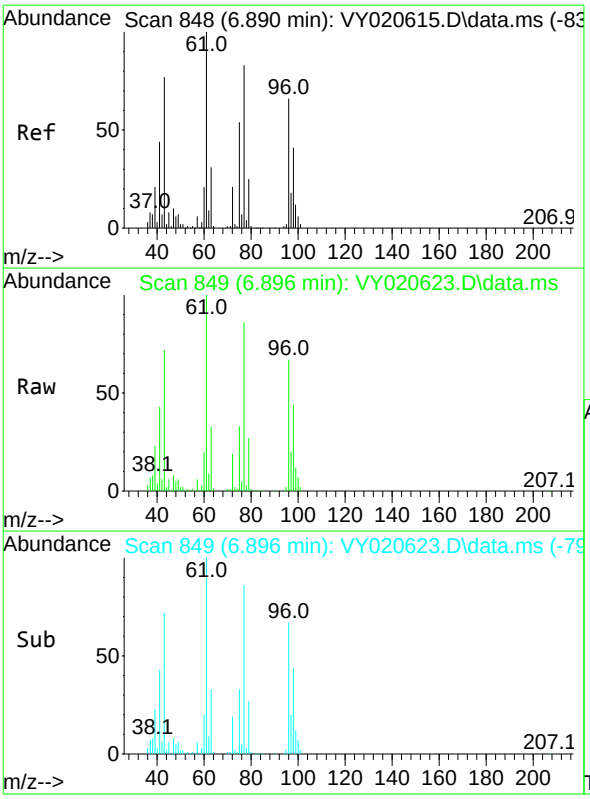


#26
2,2-Dichloropropane
Concen: 52.354 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 77 Resp: 234203

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.6

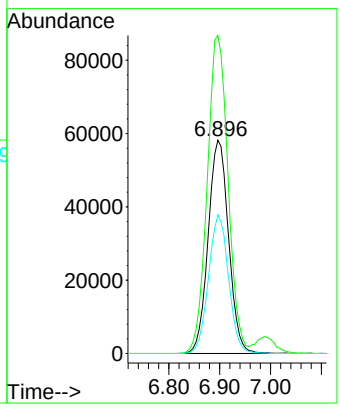




#27
cis-1,2-Dichloroethene
Concen: 55.354 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 96 Resp: 162240

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	306.2
98	63.8	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
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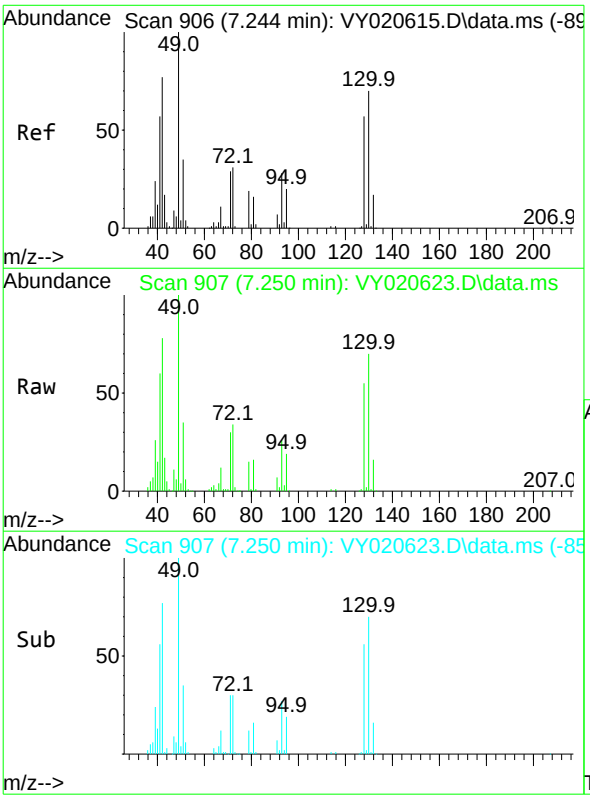
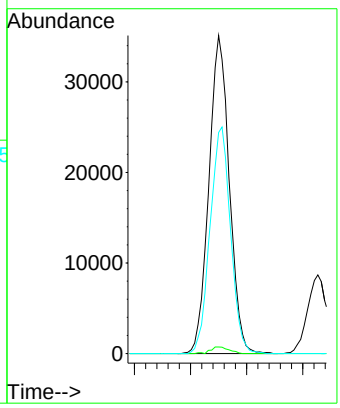
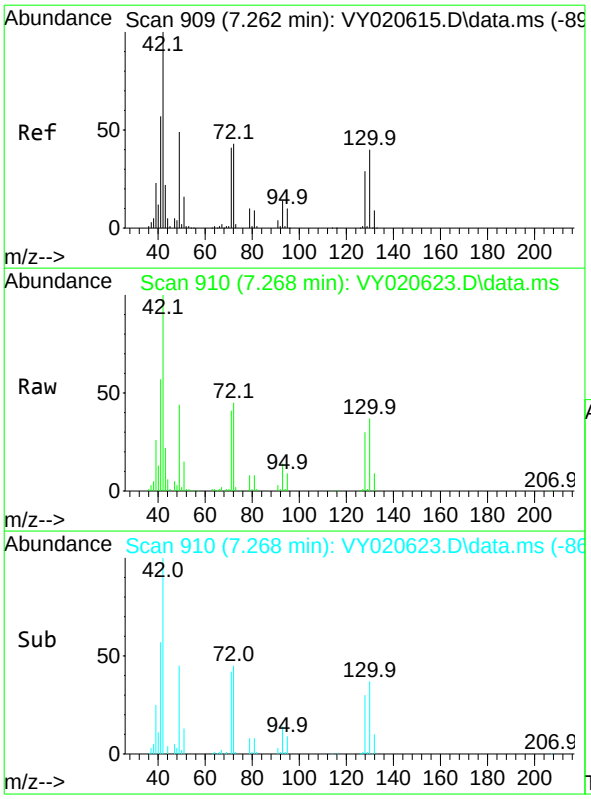


#28
Bromochloromethane
Concen: 55.637 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 49 Resp: 88805

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.5	58.3	87.5

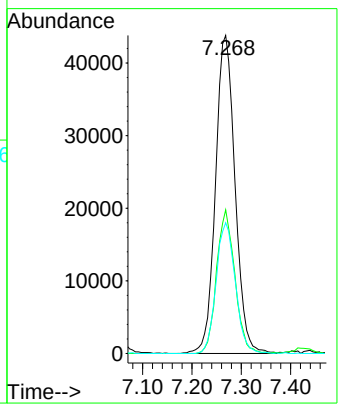




#29
Tetrahydrofuran
Concen: 259.058 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 42 Resp: 120593

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	40.4	31.6	47.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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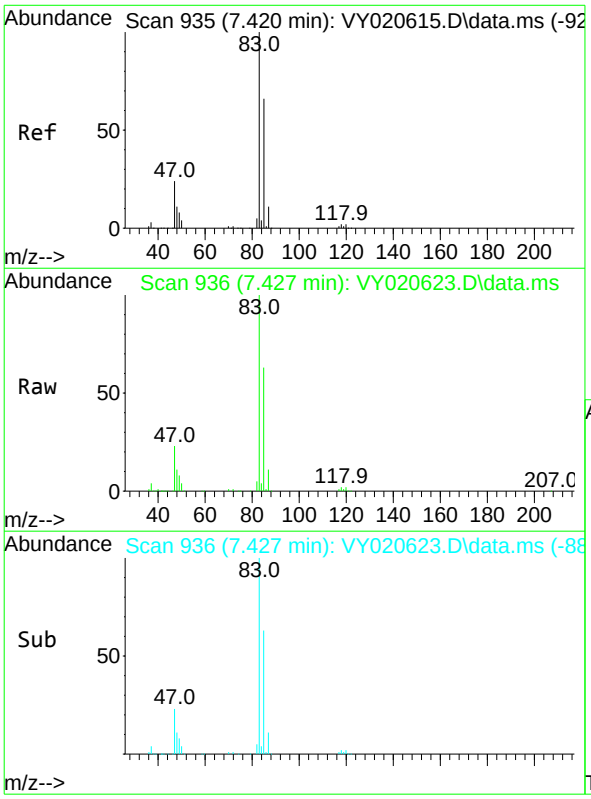
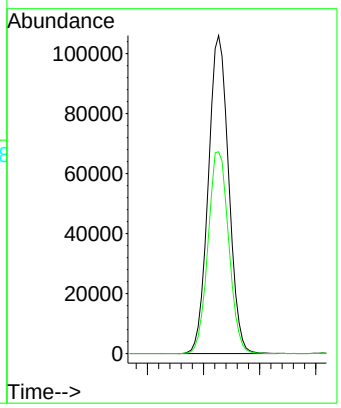
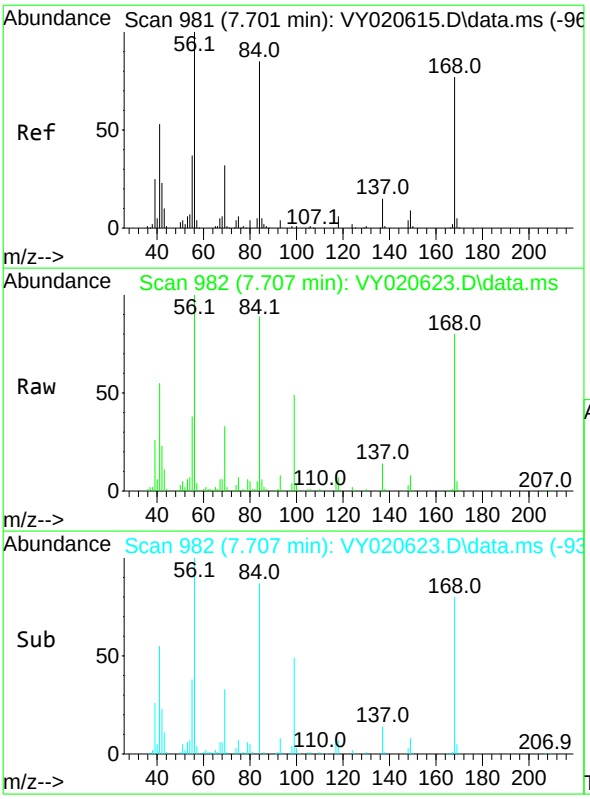


#30
Chloroform
Concen: 56.991 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 83 Resp: 267283

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1





#31
Cyclohexane
Concen: 50.933 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 56 Resp: 230457

Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.4	38.0
84	87.9	68.3	102.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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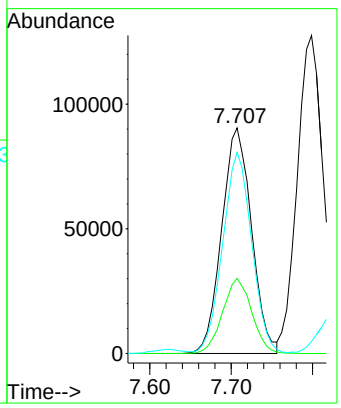
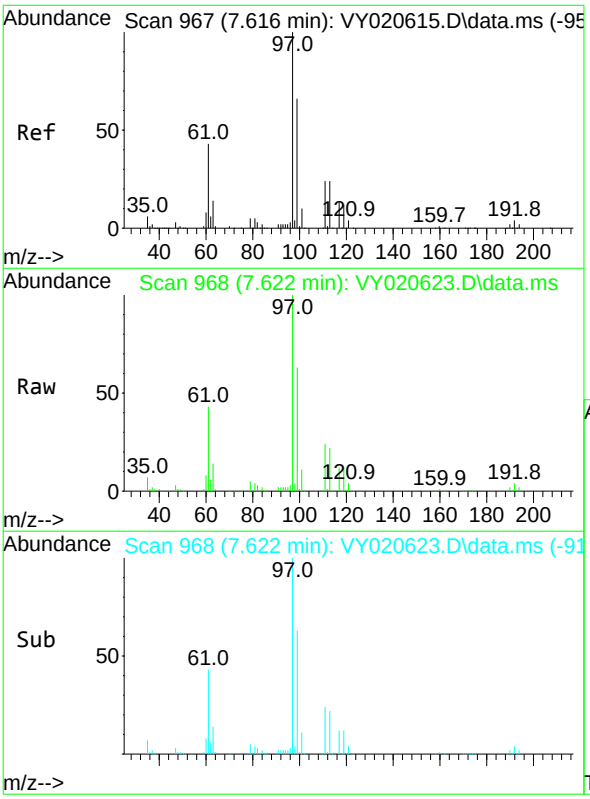
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

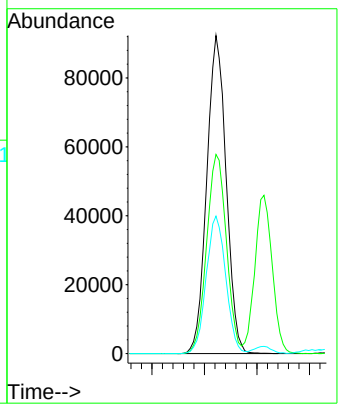


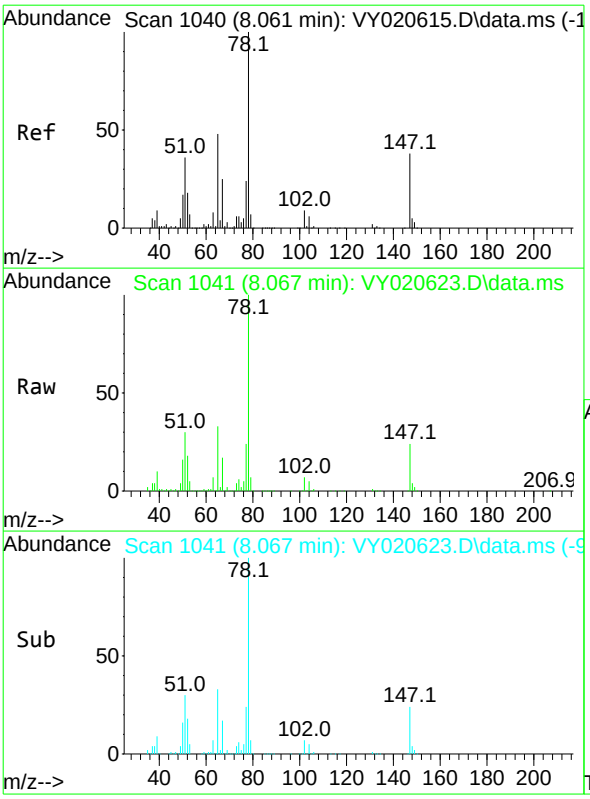


#32
1,1,1-Trichloroethane
Concen: 54.484 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 97 Resp: 236866

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.6	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 46.890 ug/l
RT: 8.067 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 65 Resp: 93039

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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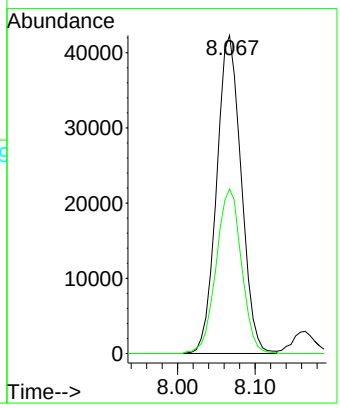
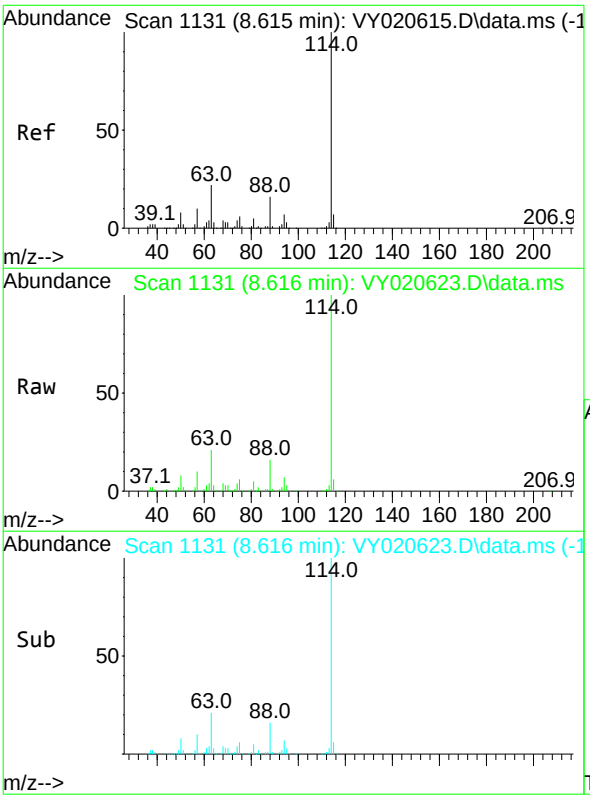
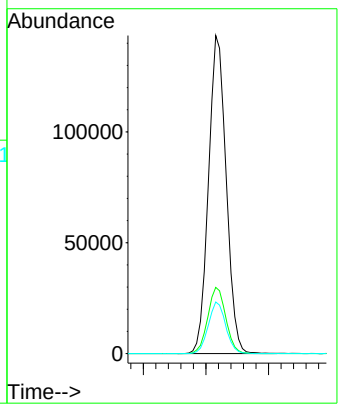


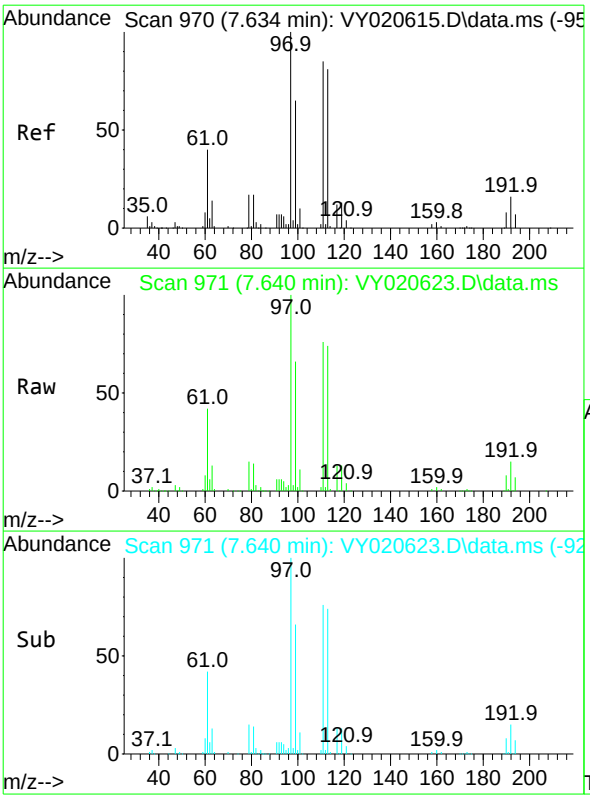


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:114 Resp: 281800

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.2	0.0	32.8





#35
Dibromofluoromethane
Concen: 48.152 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:113 Resp: 95632

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	19.5	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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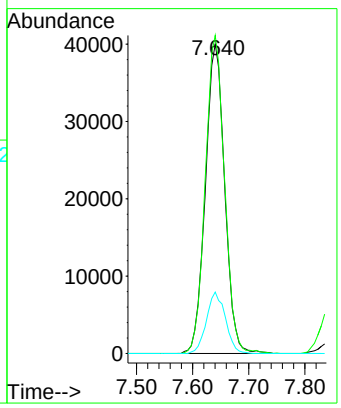
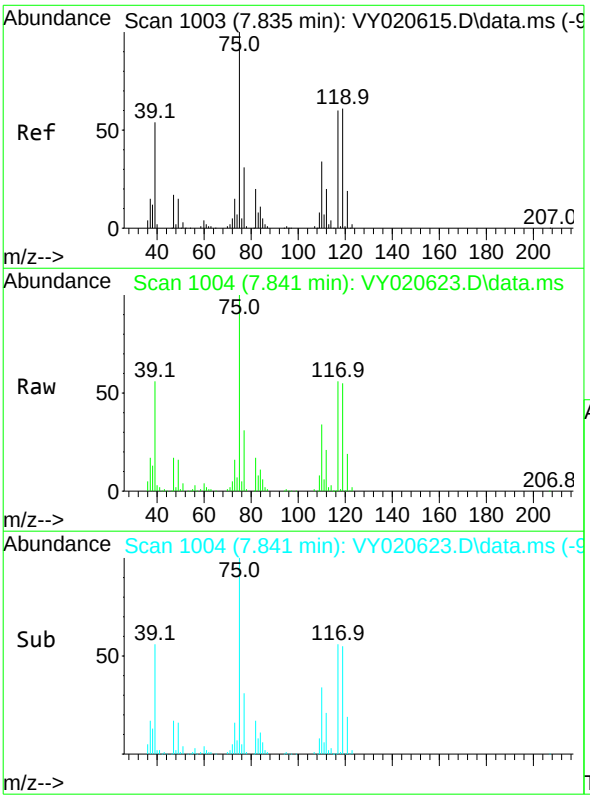
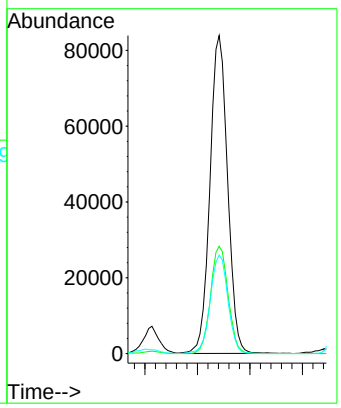


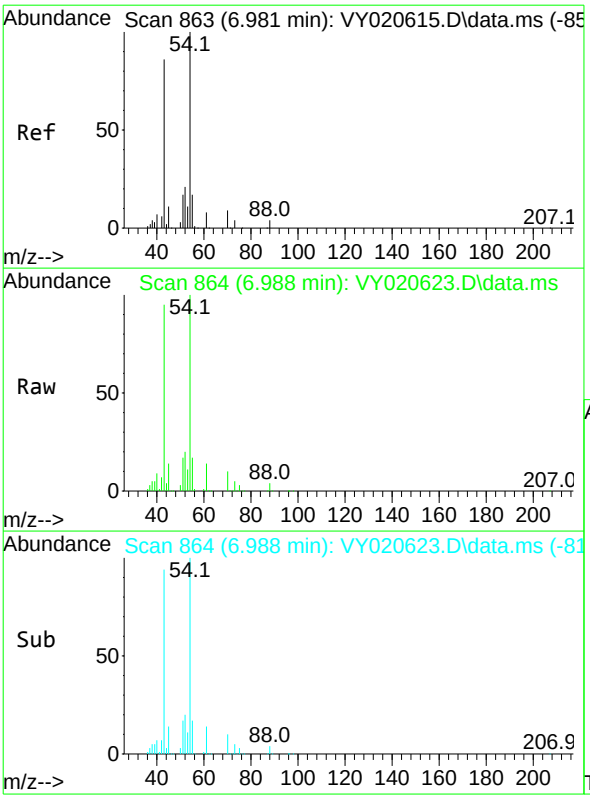


#36
1,1-Dichloropropene
Concen: 53.976 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 195474

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.2	25.0	37.6

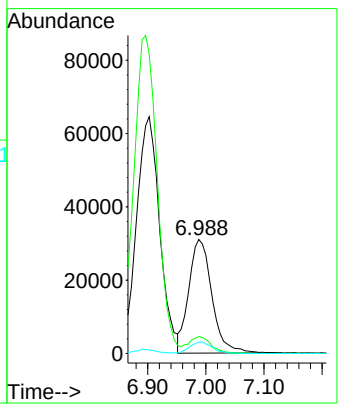




#37
Ethyl Acetate
Concen: 50.307 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 85696

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	9.8	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
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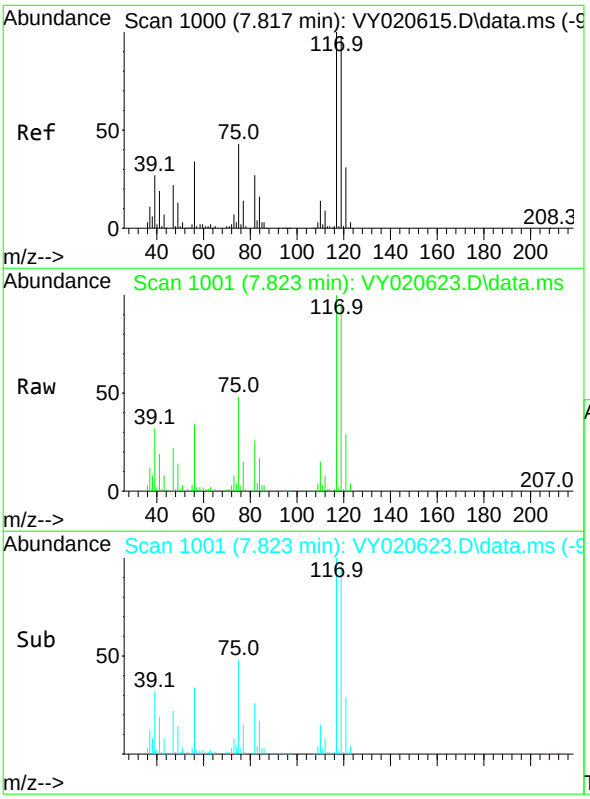
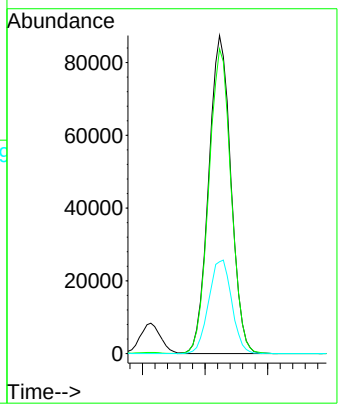
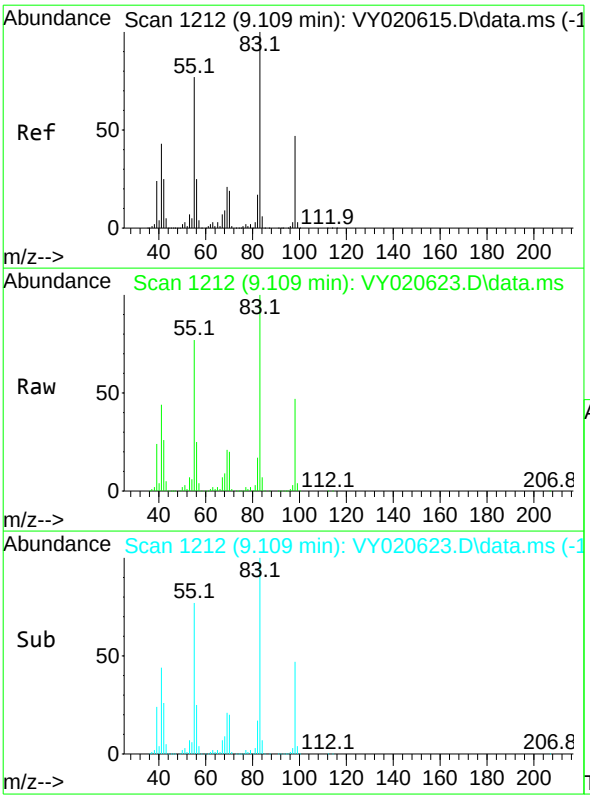


#38
Carbon Tetrachloride
Concen: 53.714 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:117 Resp: 215219

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	28.9	25.1	37.7





#39
Methylcyclohexane
Concen: 53.013 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 83 Resp: 250222

Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.4	92.0
98	47.1	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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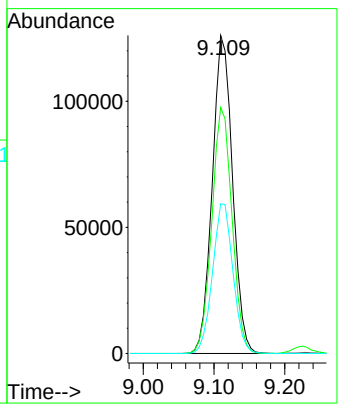
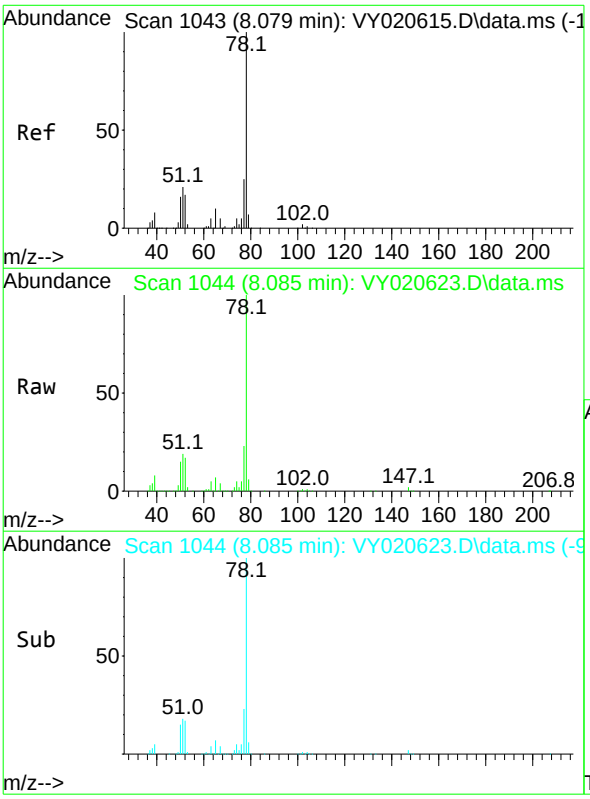
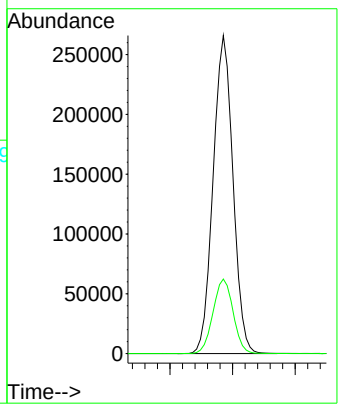


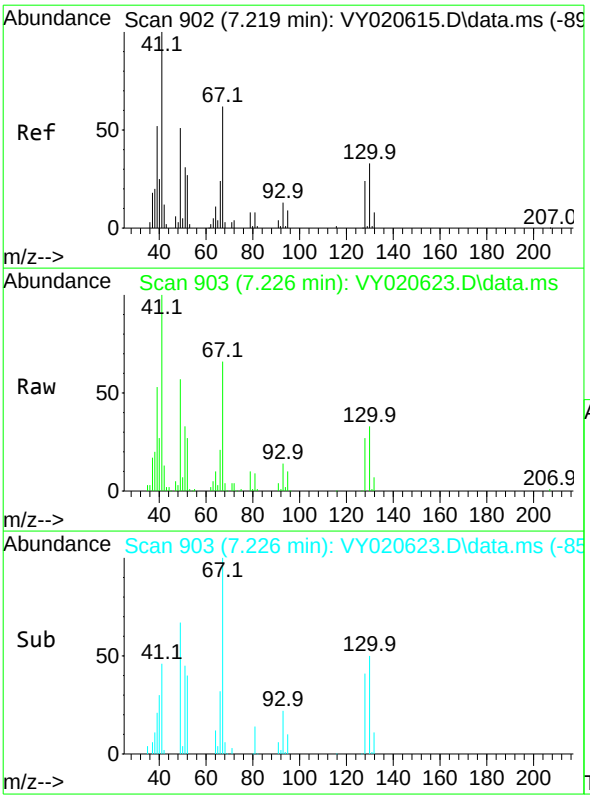


#40
Benzene
Concen: 55.083 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 78 Resp: 584718

Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.1	30.1

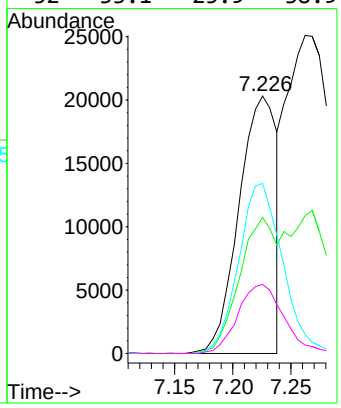




#41
Methacrylonitrile
Concen: 50.678 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 41 Resp: 45639

Ion	Ratio	Lower	Upper
41	100		
39	51.3	53.6	80.4#
67	77.6	62.0	93.0
52	33.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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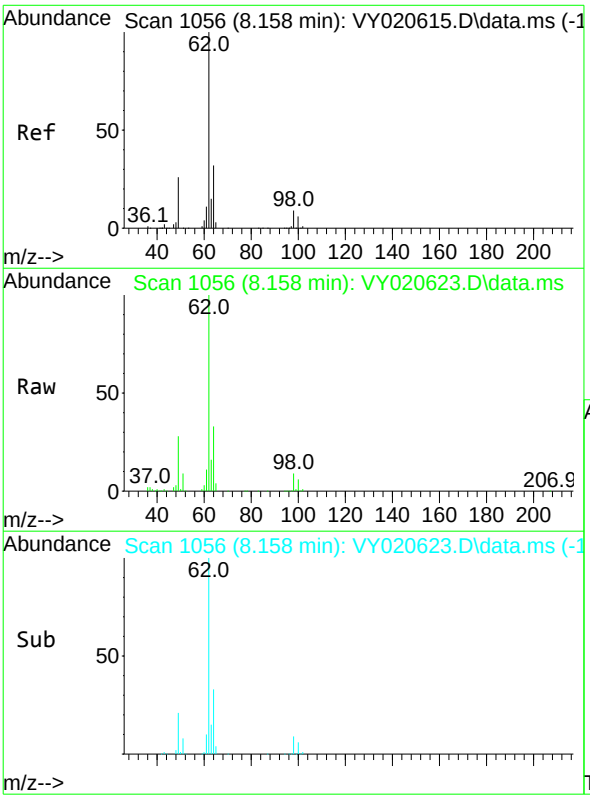
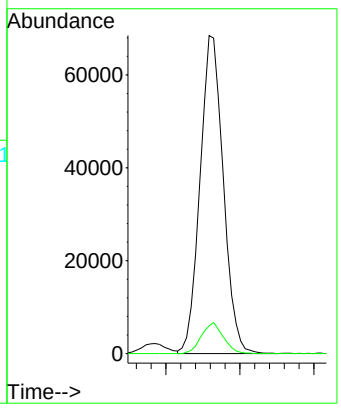
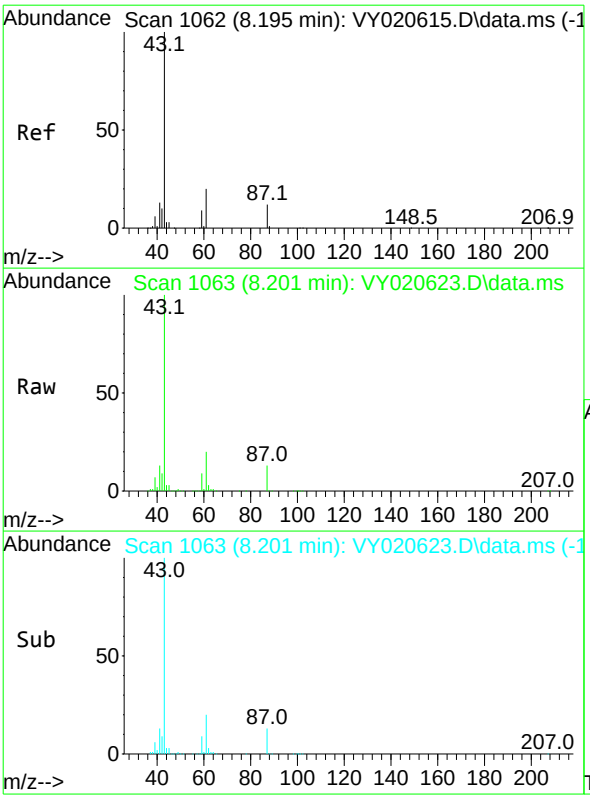


#42
1,2-Dichloroethane
Concen: 53.147 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 62 Resp: 149628

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43
Isopropyl Acetate
Concen: 52.984 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 170873

Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	12.8	10.2	15.4

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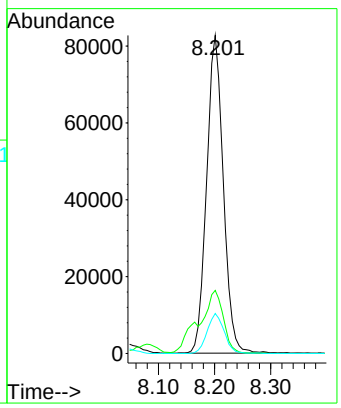
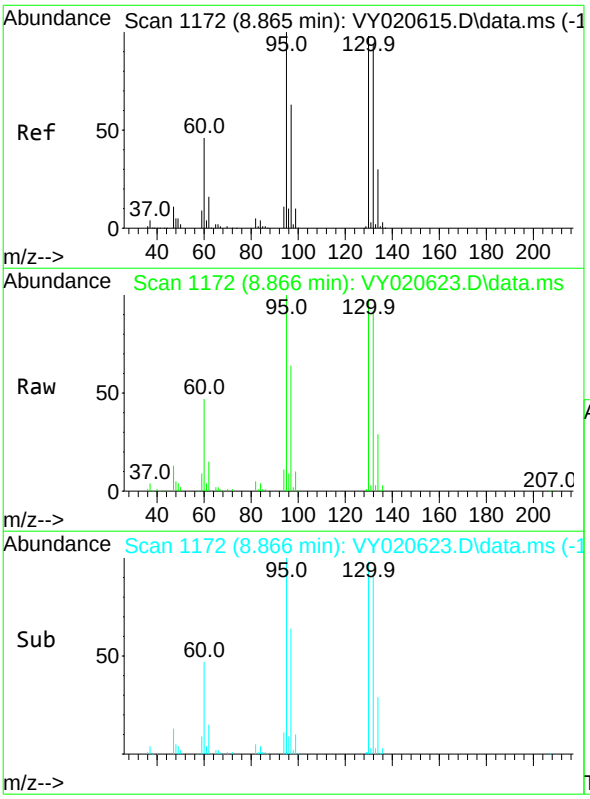
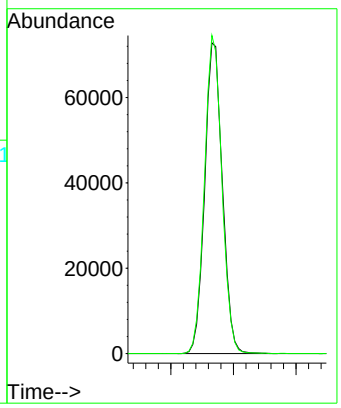


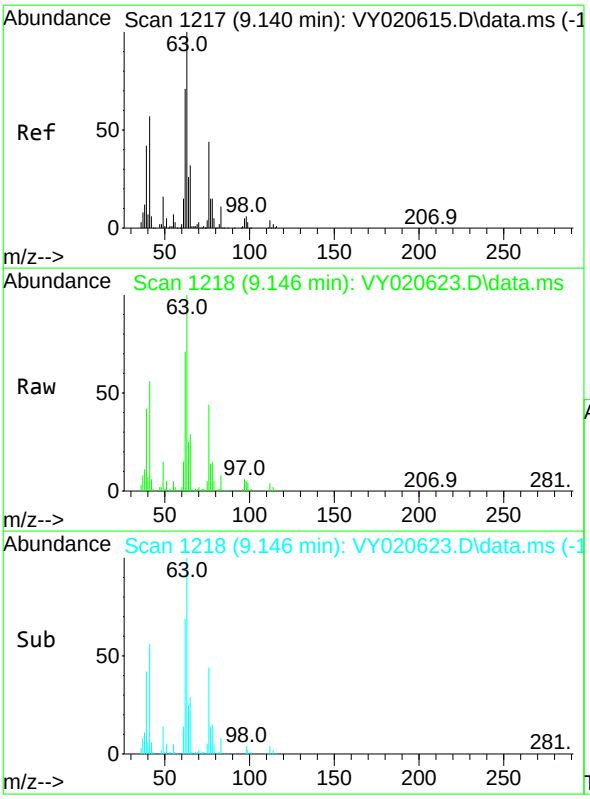


#44
Trichloroethene
Concen: 54.743 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:130 Resp: 142790

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	203.2





#45
1,2-Dichloropropane
Concen: 54.411 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 63 Resp: 134987

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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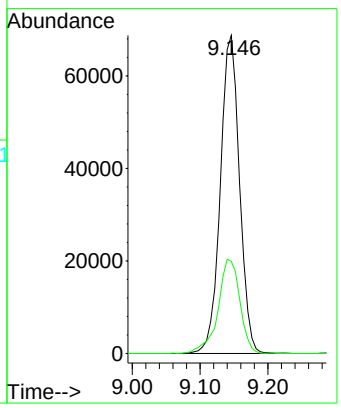
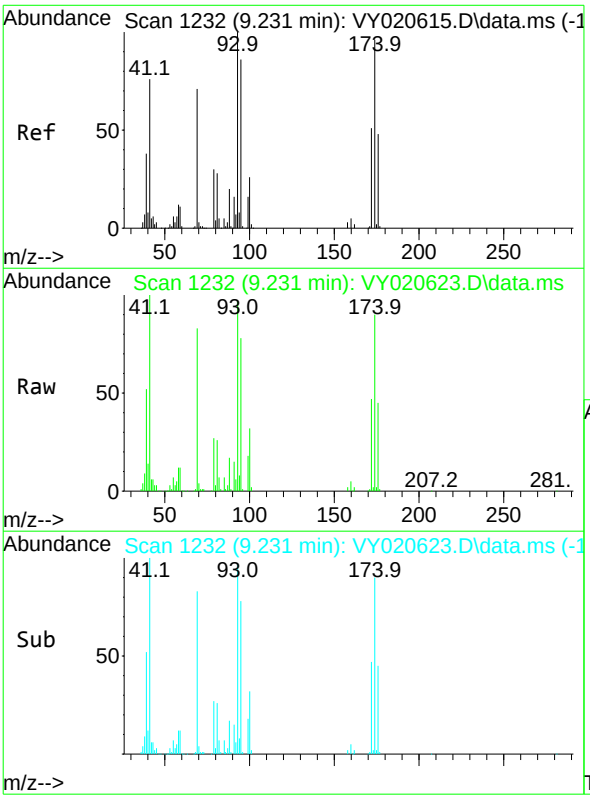
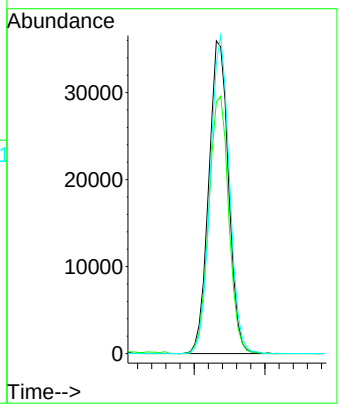


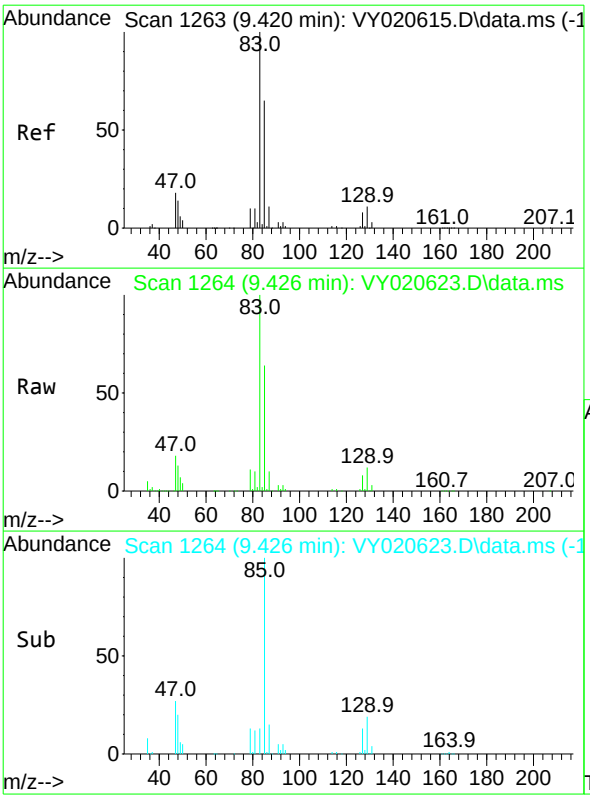


#46
Dibromomethane
Concen: 53.233 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 93 Resp: 69796

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	98.1	77.8	116.6

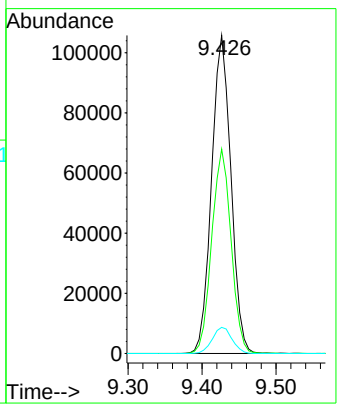




#47
Bromodichloromethane
Concen: 54.141 ug/l
RT: 9.426 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 83 Resp: 191747

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1
127	8.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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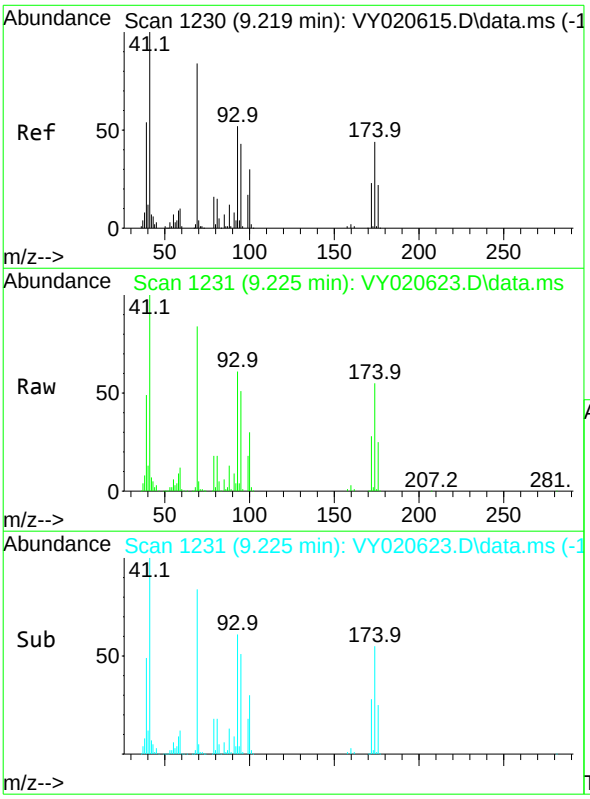
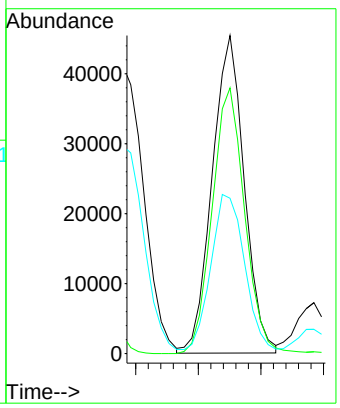
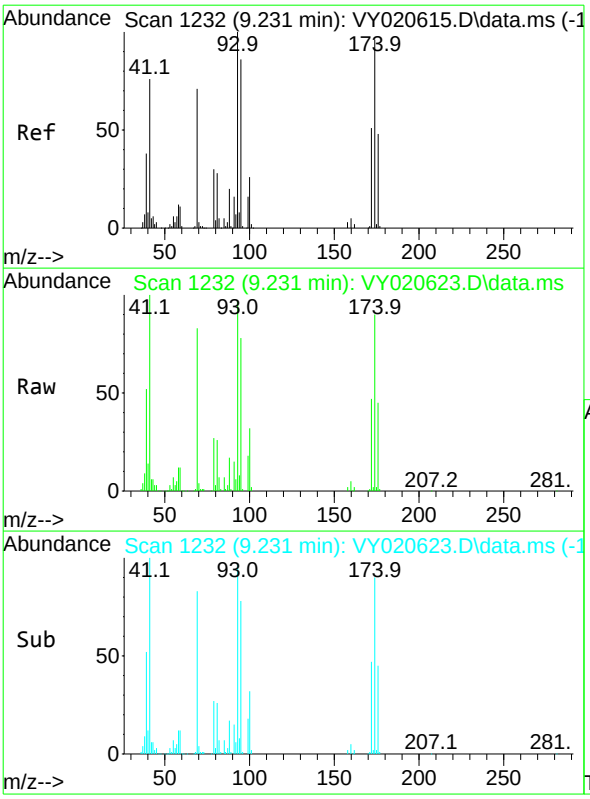


#48
Methyl methacrylate
Concen: 52.797 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 41 Resp: 80945

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.2	100.8
39	50.9	42.2	63.4





#49
1,4-Dioxane
Concen: 1032.238 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 88 Resp: 15521

Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.6	41.4
58	73.5	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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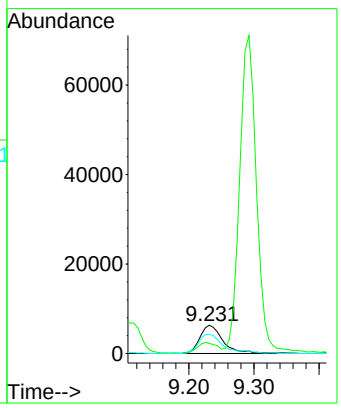
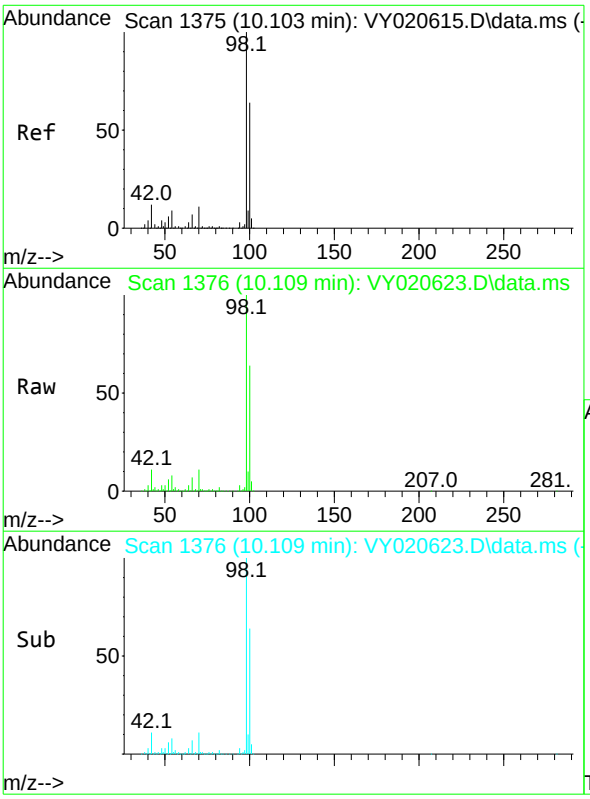
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

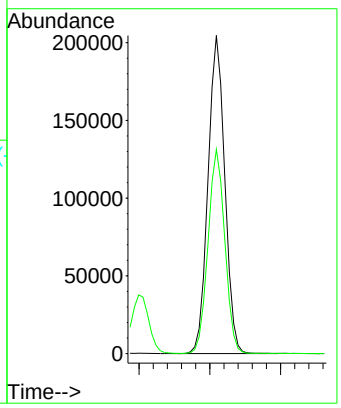


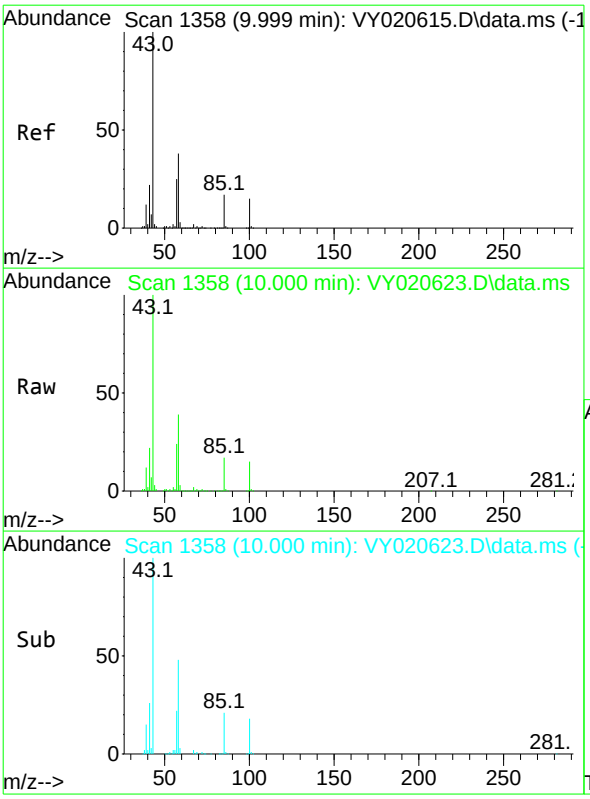


#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 98 Resp: 336852

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

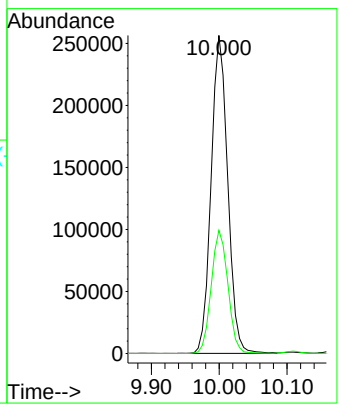




#51
4-Methyl-2-Pentanone
Concen: 255.497 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 434924

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.4	47.2



Instrument :
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ClientSampleId :
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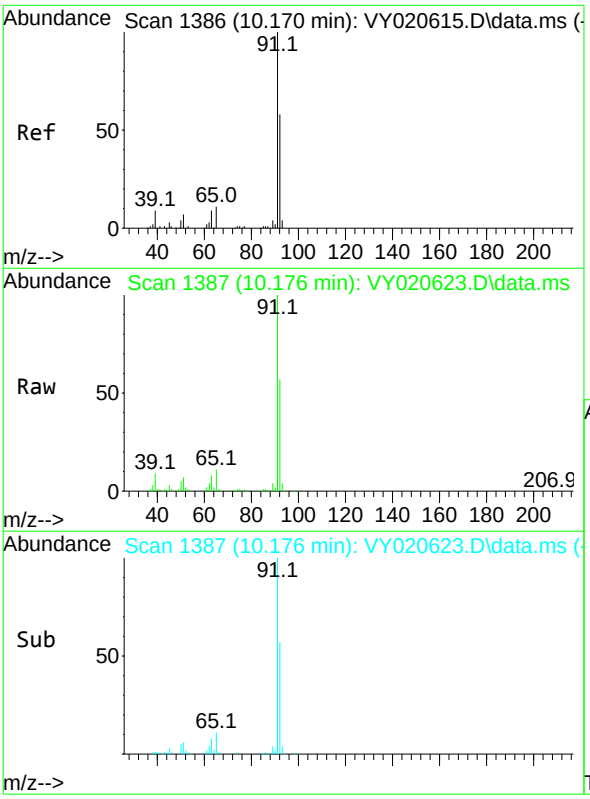
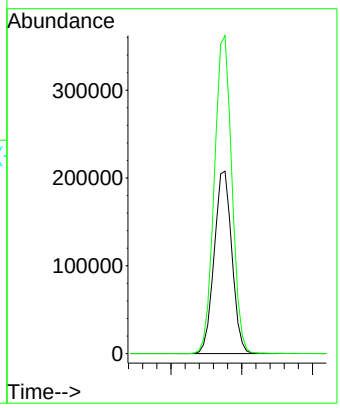
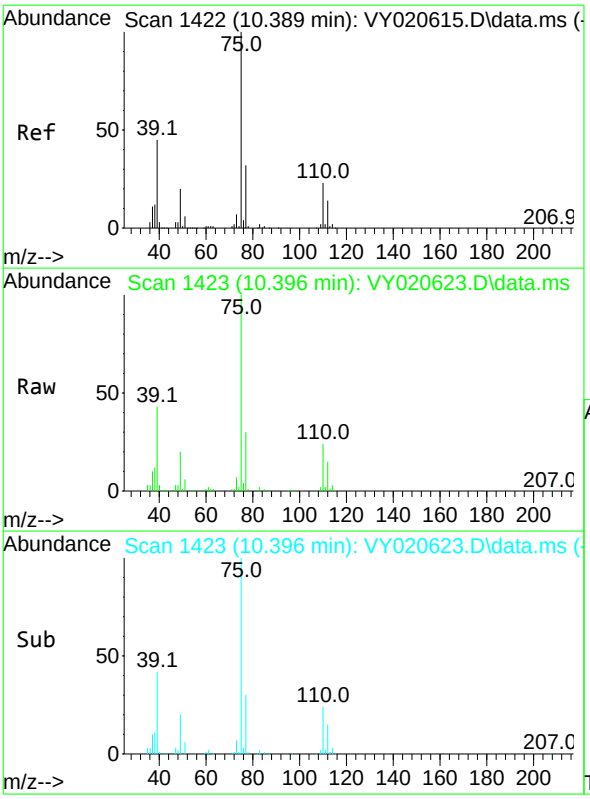


#52
Toluene
Concen: 54.590 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 92 Resp: 360124

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.4	206.0

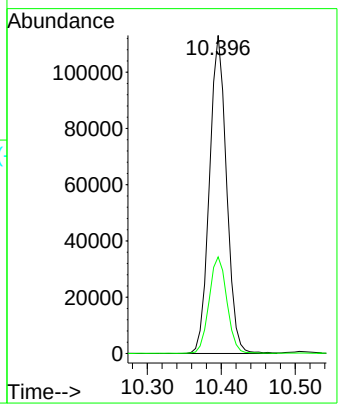




#53
t-1,3-Dichloropropene
Concen: 54.904 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 181188

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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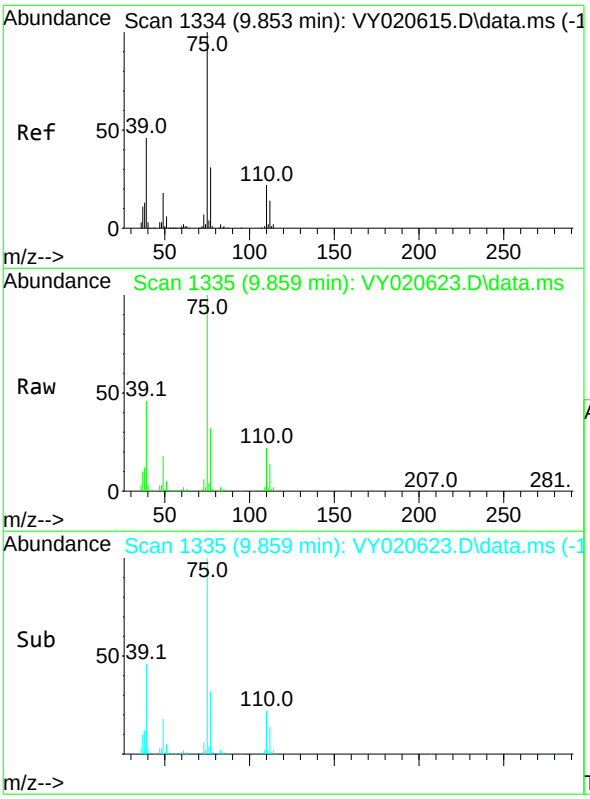
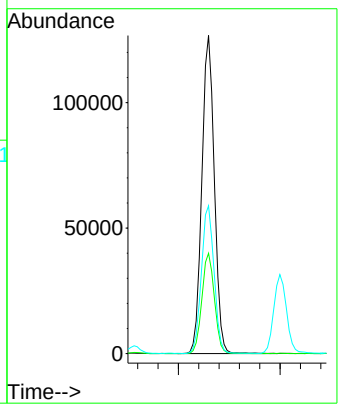
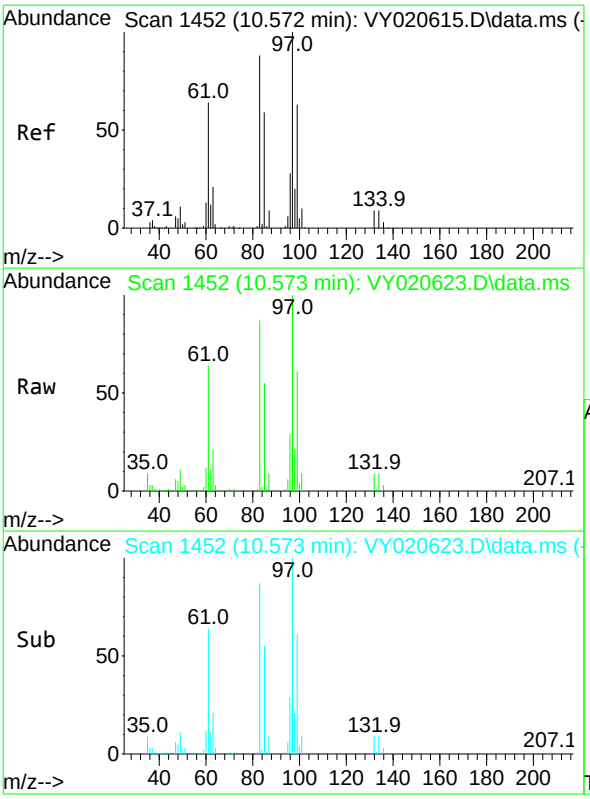


#54
cis-1,3-Dichloropropene
Concen: 55.329 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 216369

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	46.4	36.4	54.6

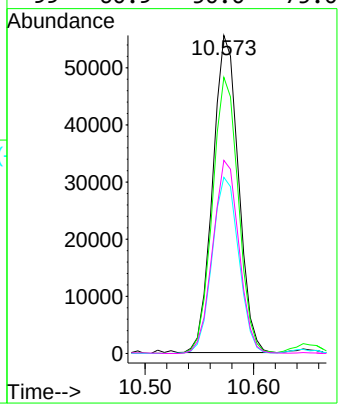




#55
1,1,2-Trichloroethane
Concen: 52.705 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 97 Resp: 91364

Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.4	105.6
85	55.5	47.2	70.8
99	60.9	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
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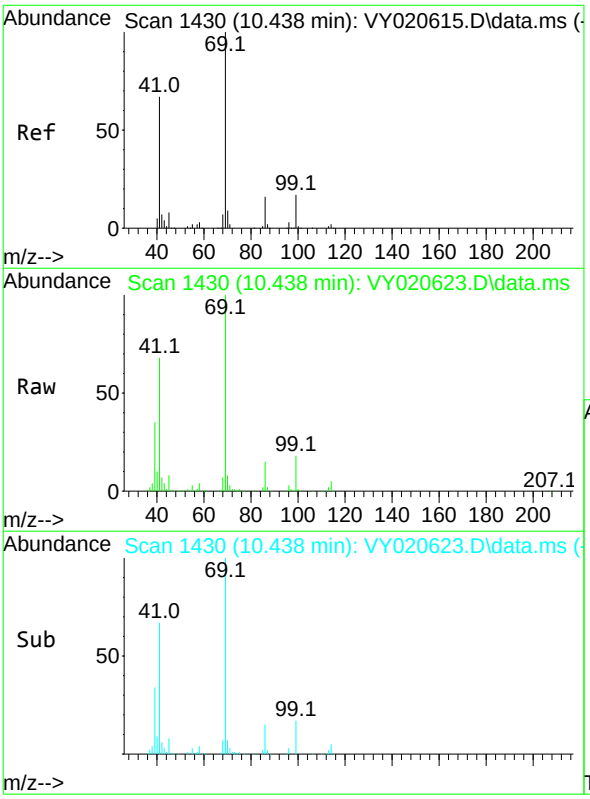
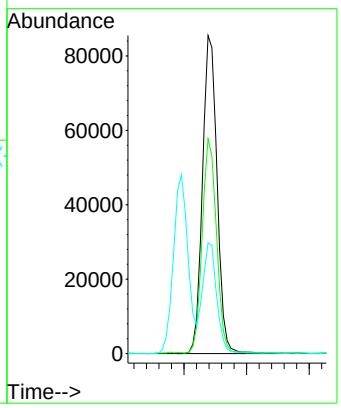
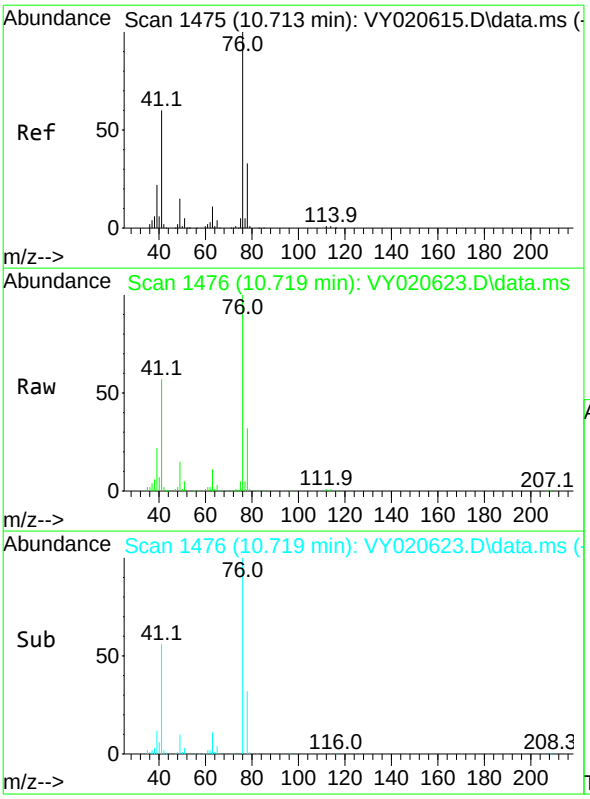


#56
Ethyl methacrylate
Concen: 55.009 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 69 Resp: 138340

Ion	Ratio	Lower	Upper
69	100		
41	66.0	54.0	81.0
39	33.5	27.9	41.9

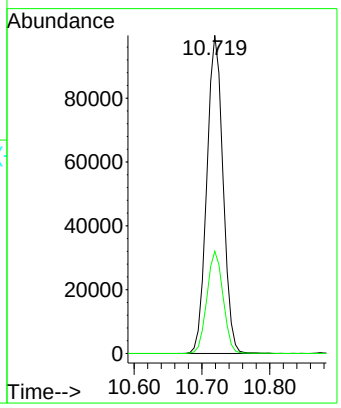




#57
1,3-Dichloropropane
Concen: 53.466 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 76 Resp: 165219

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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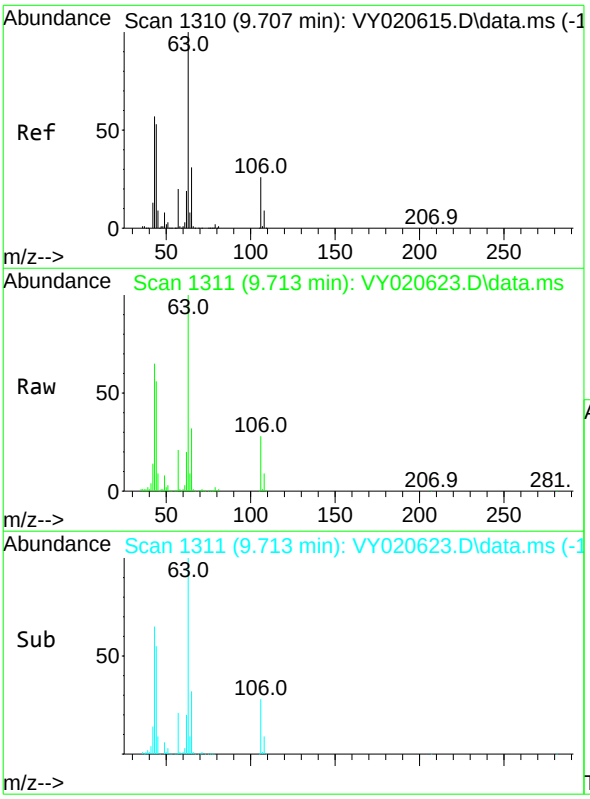
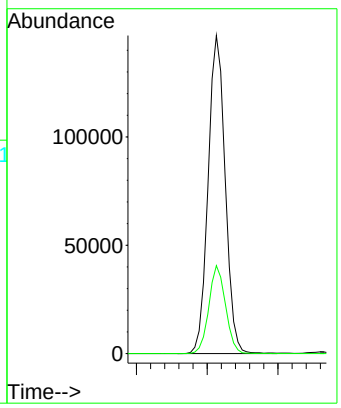
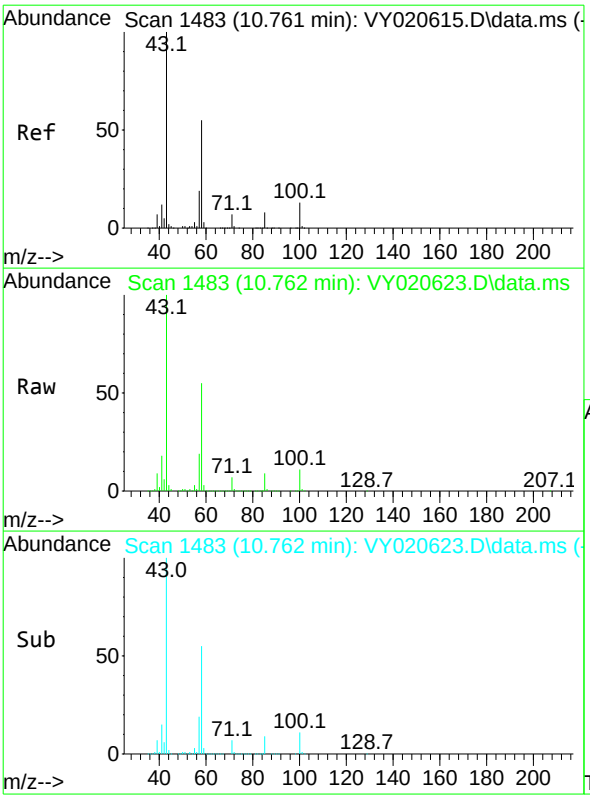


#58
2-Chloroethyl Vinyl ether
Concen: 232.929 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 63 Resp: 246475

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3

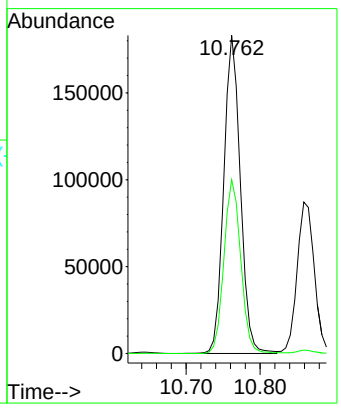




#59
2-Hexanone
Concen: 260.158 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 284335

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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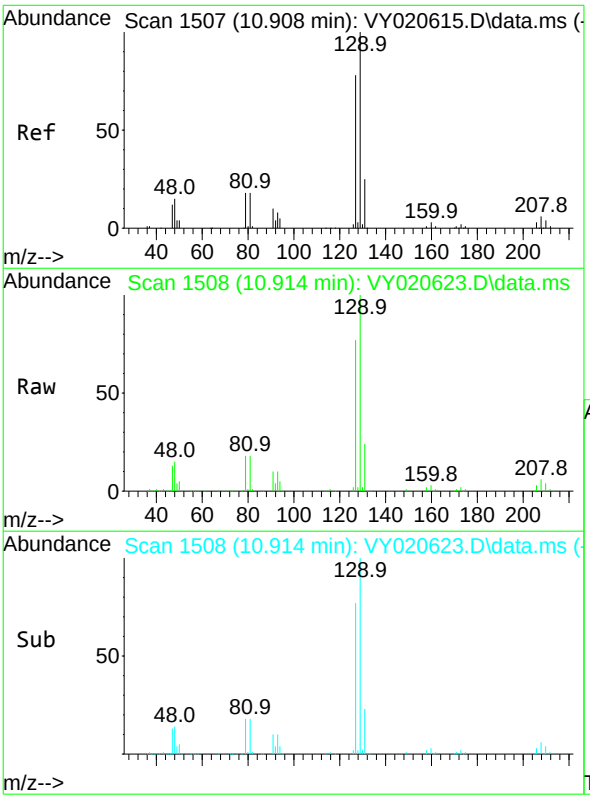
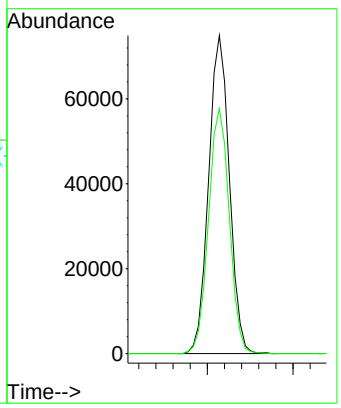
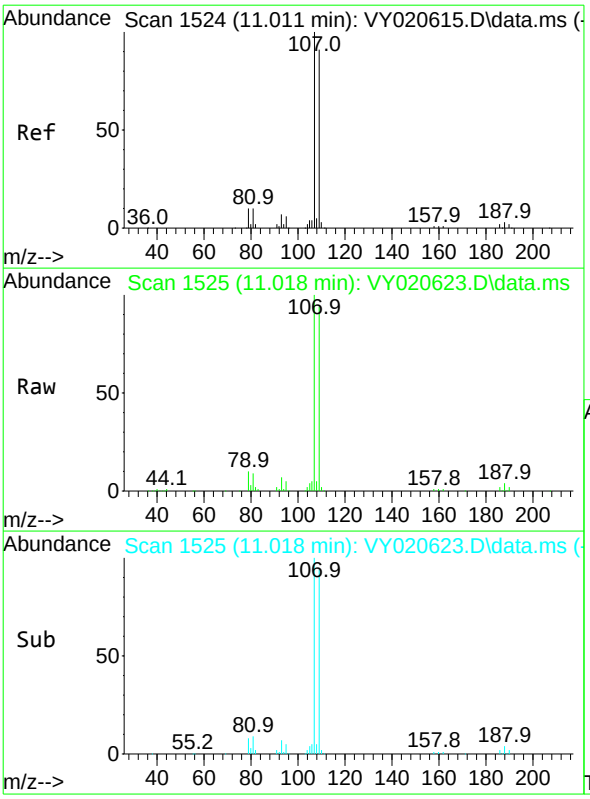


#60
Dibromochloromethane
Concen: 54.359 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:129 Resp: 126021

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3





#61
1,2-Dibromoethane
Concen: 52.944 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:107 Resp: 85370

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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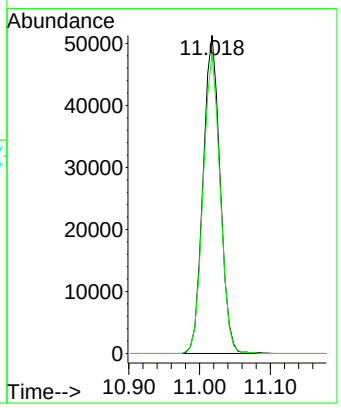
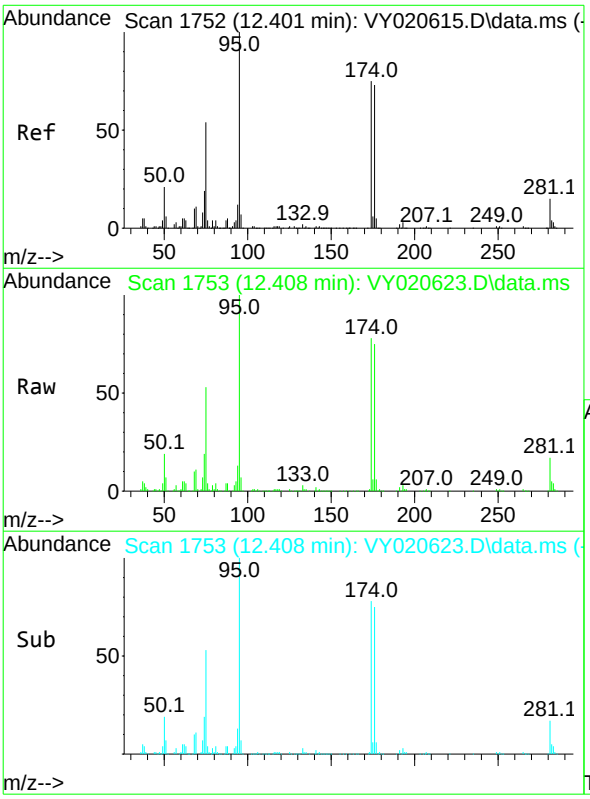
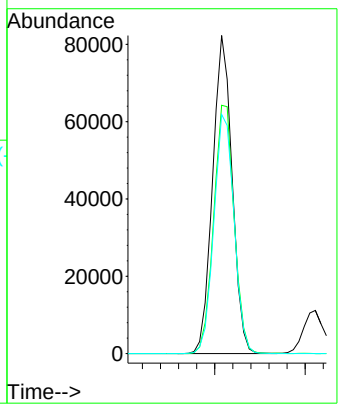


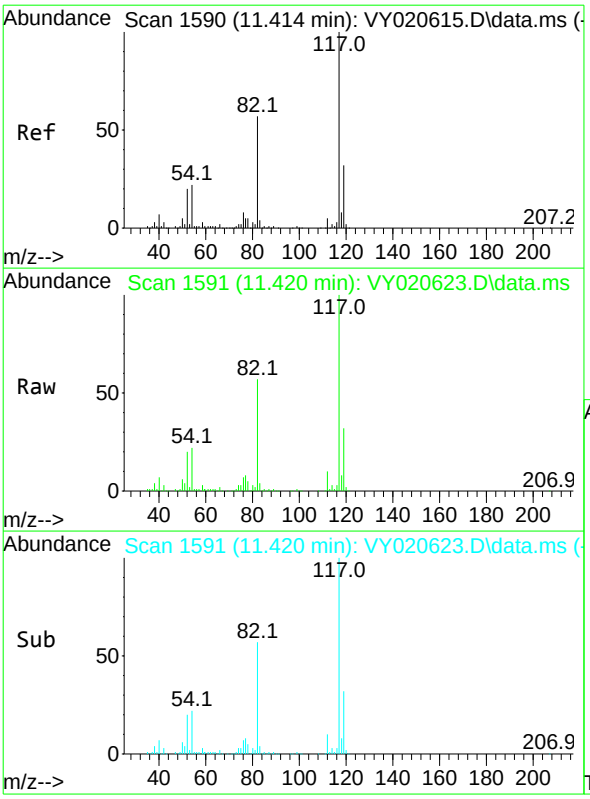


#62
4-Bromofluorobenzene
Concen: 45.267 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 95 Resp: 123092

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.8
176	77.8	0.0	156.6

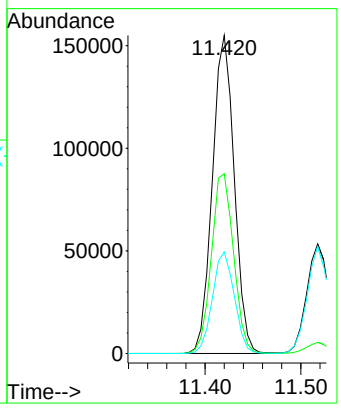




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:117 Resp: 246057

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.6
119	31.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
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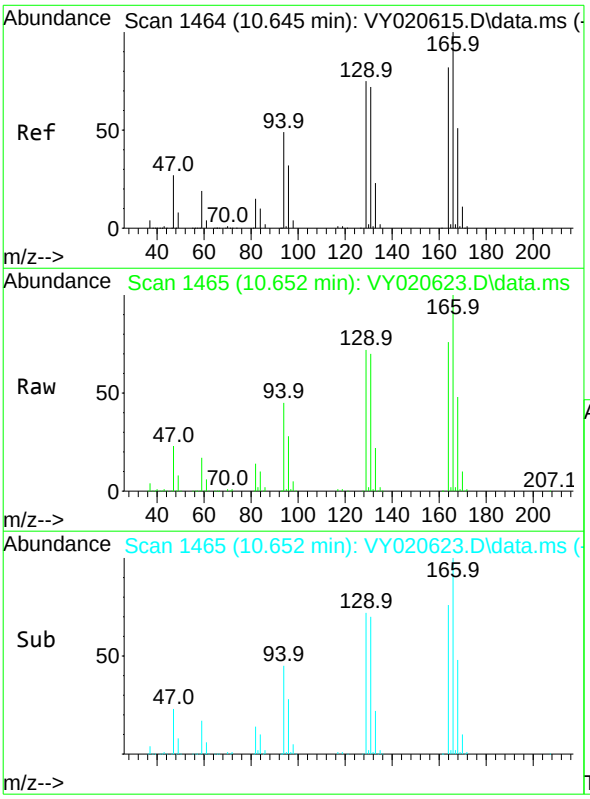
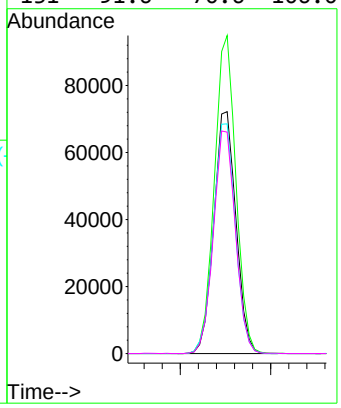
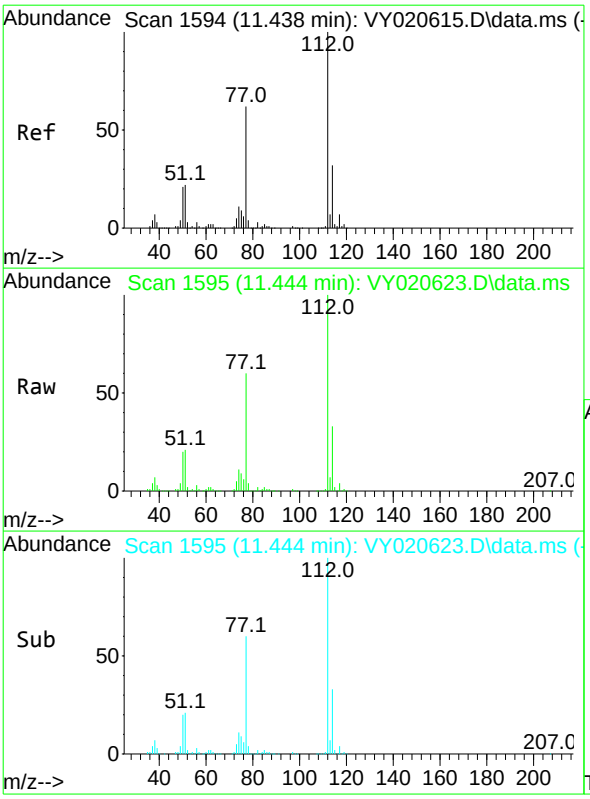


#64
Tetrachloroethene
Concen: 53.056 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:164 Resp: 122795

Ion	Ratio	Lower	Upper
164	100		
166	131.5	97.9	146.9
129	95.0	73.4	110.0
131	91.6	70.6	106.0

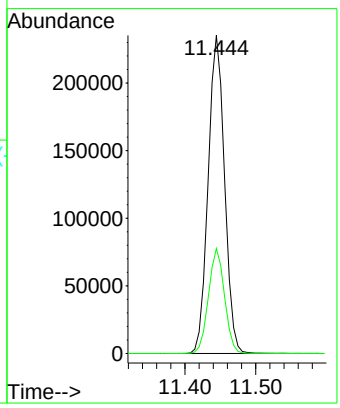




#65
Chlorobenzene
Concen: 55.019 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:112 Resp: 378529

Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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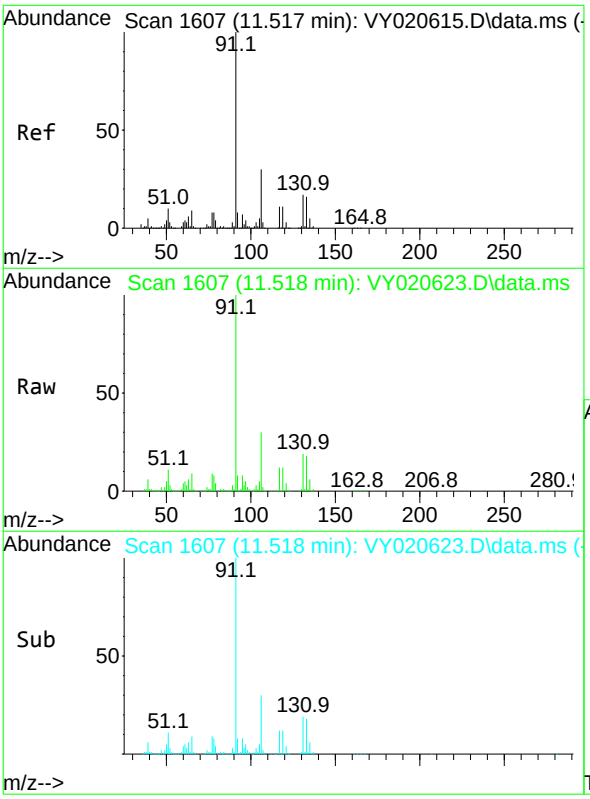
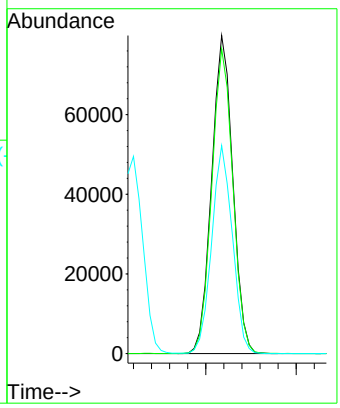
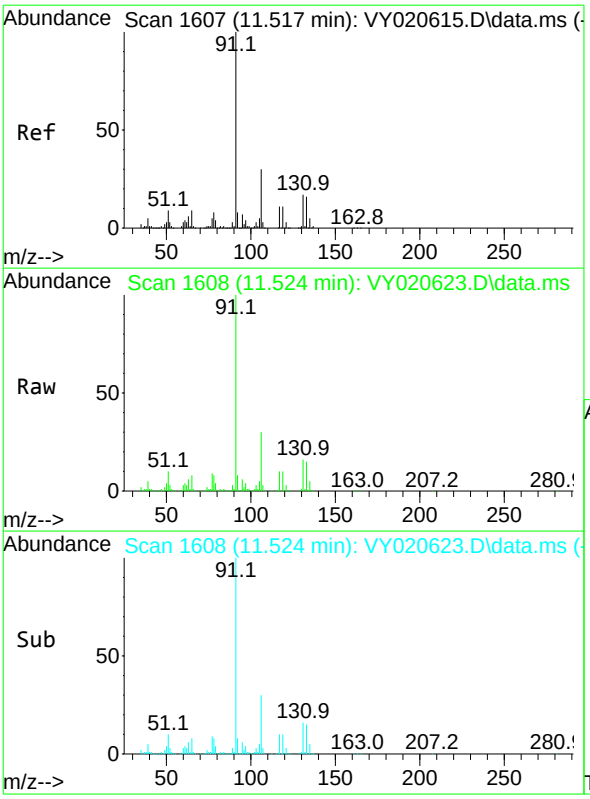


#66
1,1,1,2-Tetrachloroethane
Concen: 55.037 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:131 Resp: 129481

Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.8	140.3
119	64.0	31.8	95.3





#67
Ethyl Benzene
Concen: 55.393 ug/l
RT: 11.524 min Scan# 16
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 703089

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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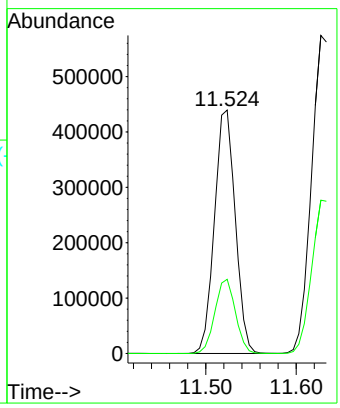
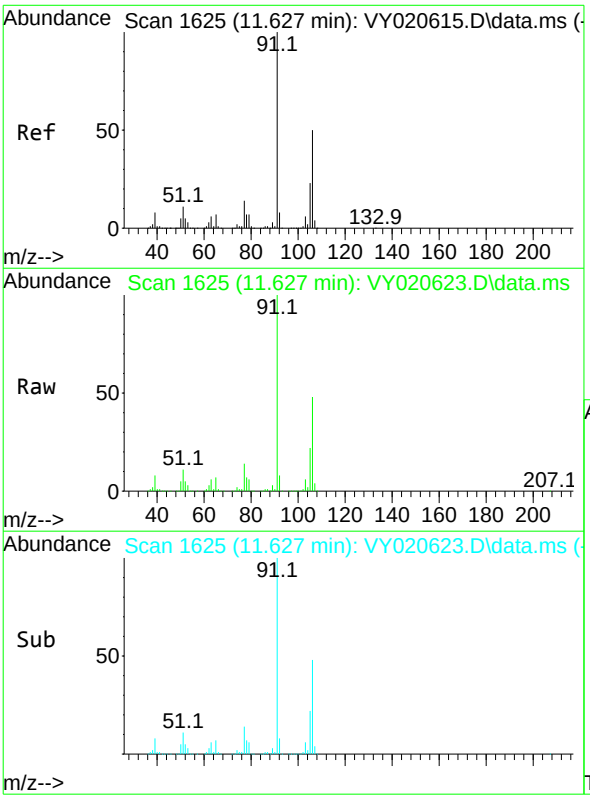
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

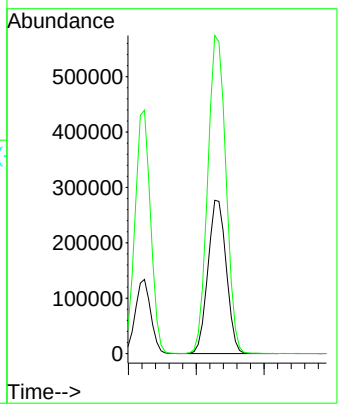


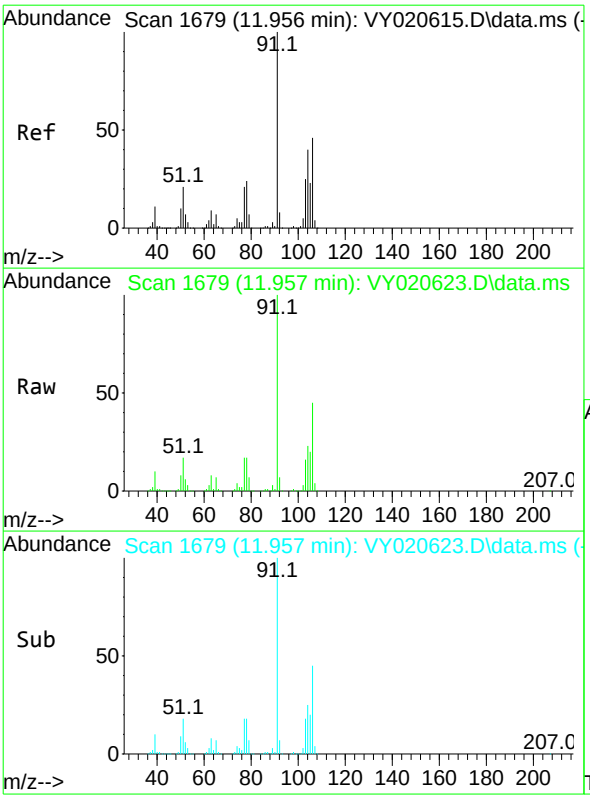


#68
m/p-Xylenes
Concen: 109.995 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:106 Resp: 519103

Ion	Ratio	Lower	Upper
106	100		
91	206.4	165.0	247.4

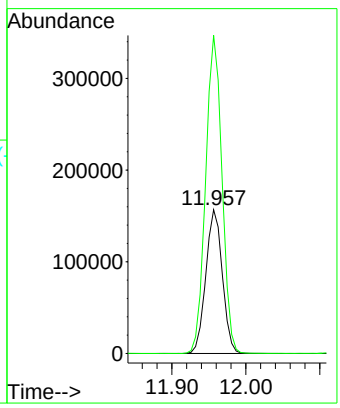




#69
o-Xylene
Concen: 55.129 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:106 Resp: 242747

Ion	Ratio	Lower	Upper
106	100		
91	219.6	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
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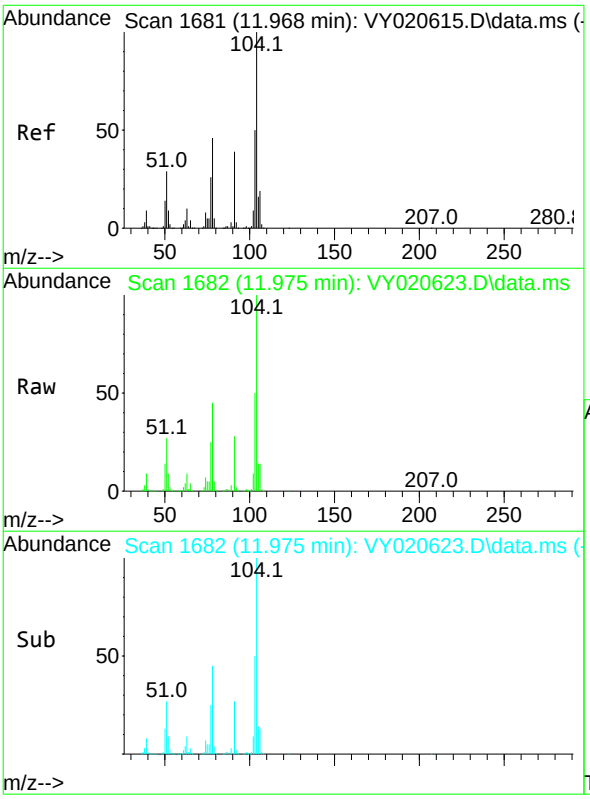
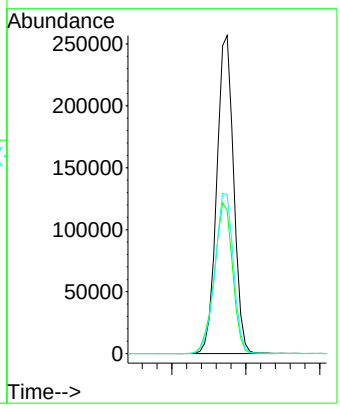
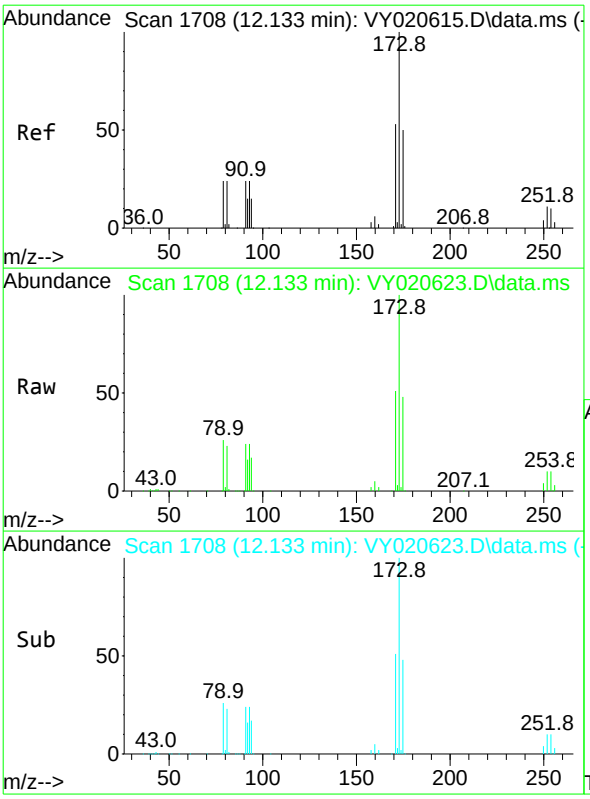


#70
Styrene
Concen: 55.275 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:104 Resp: 406649

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	55.3	43.7	65.5

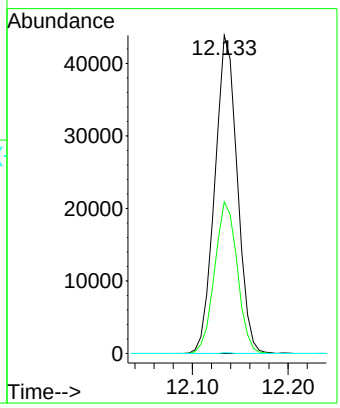




#71
Bromoform
Concen: 54.090 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:173 Resp: 71545

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
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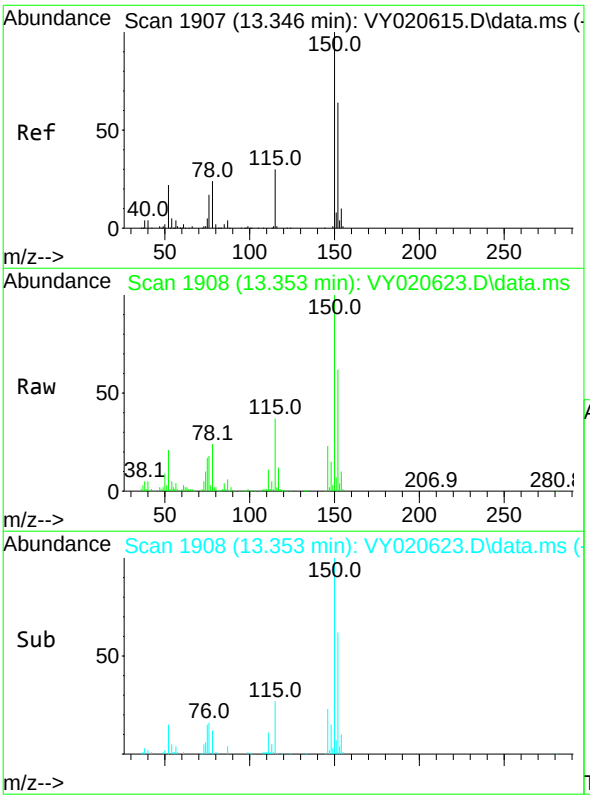
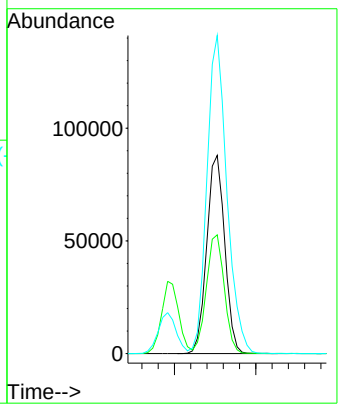
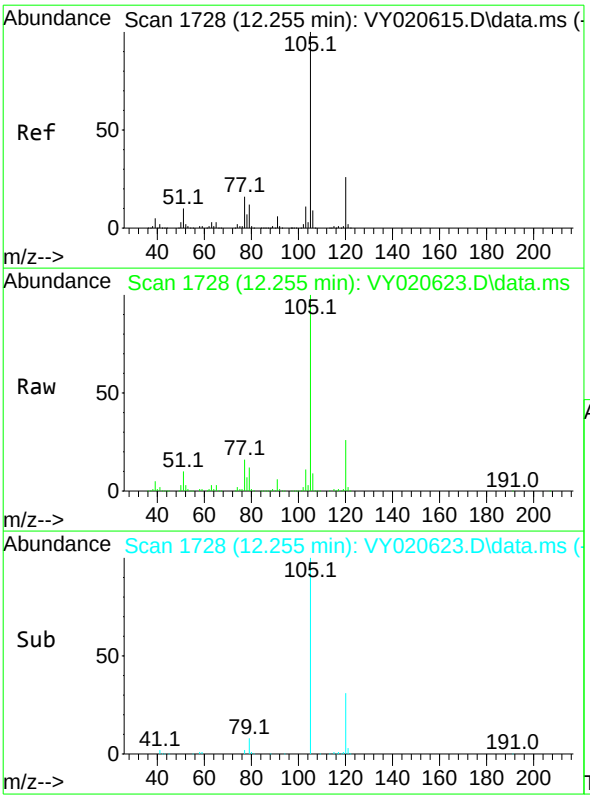


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:152 Resp: 135162

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.2	90.6
150	177.4	0.0	355.4





#73
Isopropylbenzene
Concen: 55.541 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 655105

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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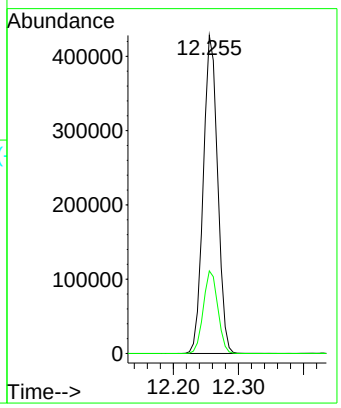
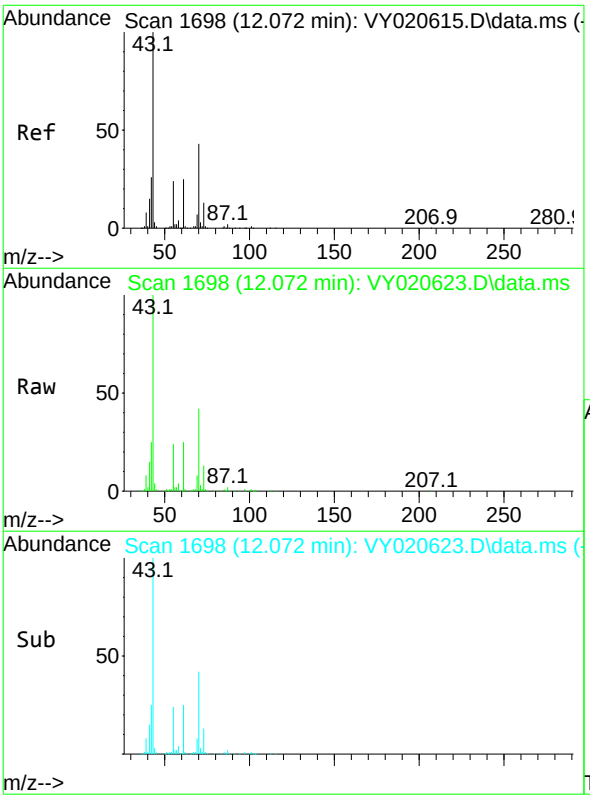
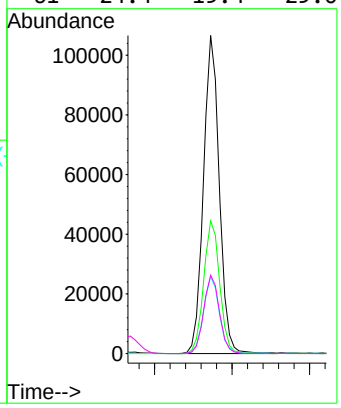


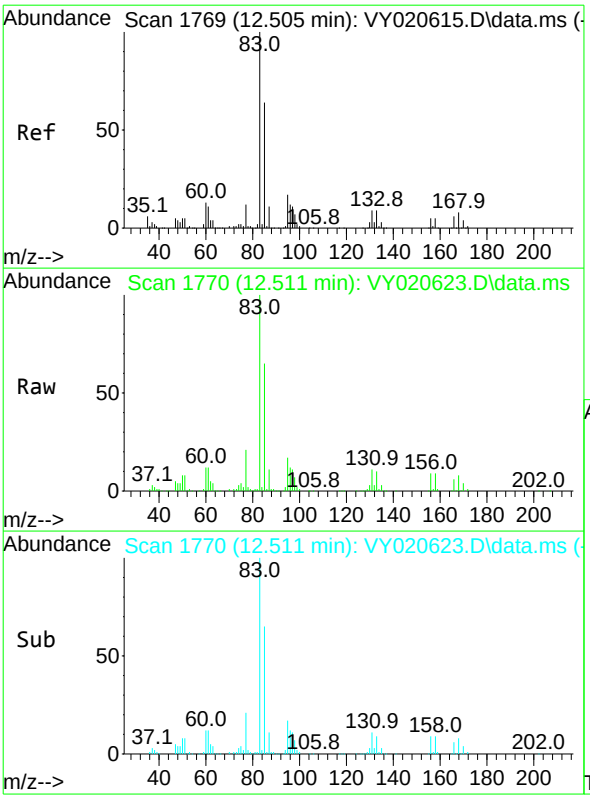


#74
N-amyl acetate
Concen: 54.818 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 151318

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.2	51.2
55	24.2	19.6	29.4
61	24.4	19.4	29.0

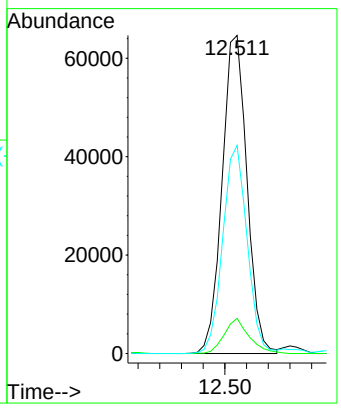




#75
1,1,2,2-Tetrachloroethane
Concen: 53.630 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 83 Resp: 102678

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	64.3	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
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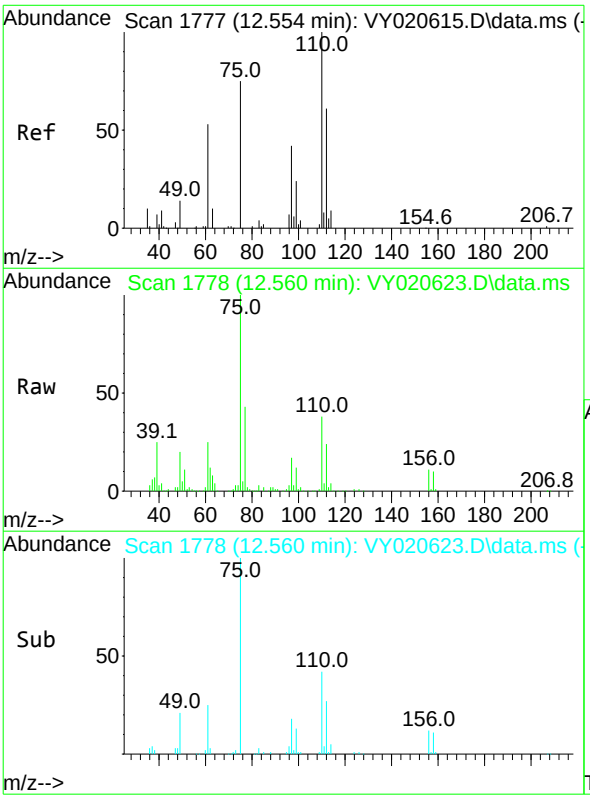
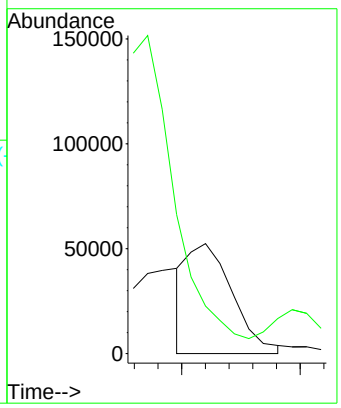
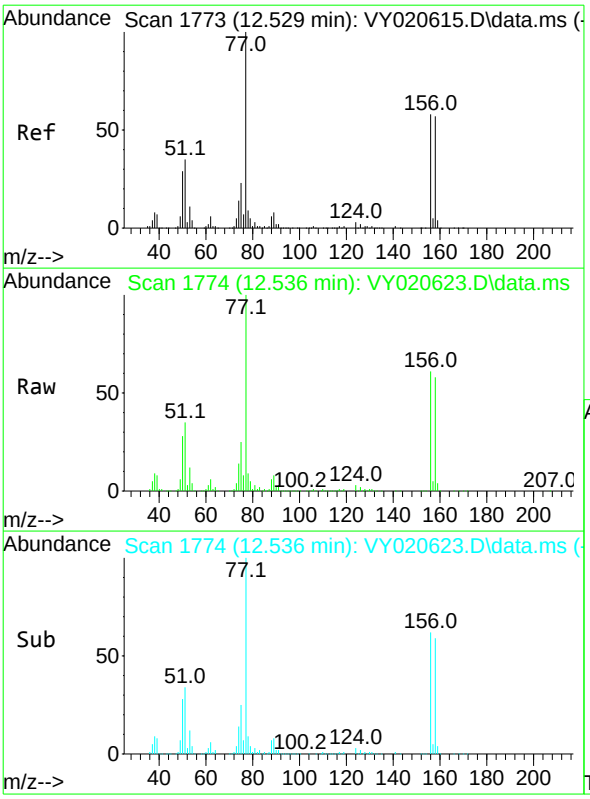


#76
1,2,3-Trichloropropane
Concen: 49.797 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 69918

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 55.233 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:156 Resp: 141911

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.2	282.4
158	96.9	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

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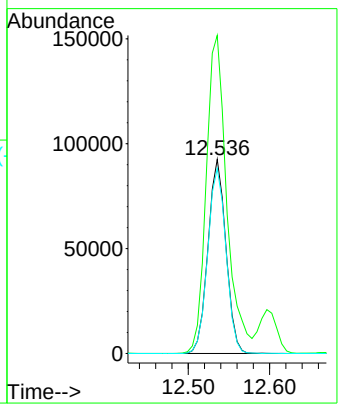
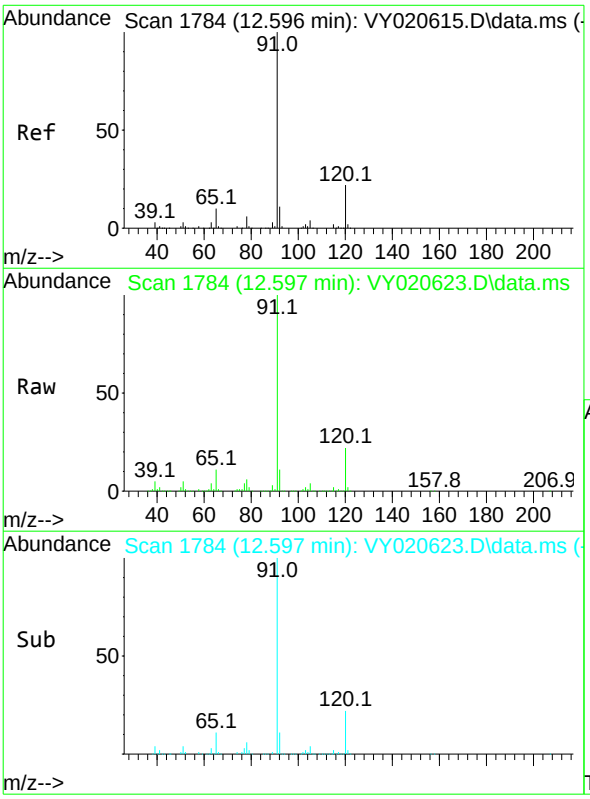
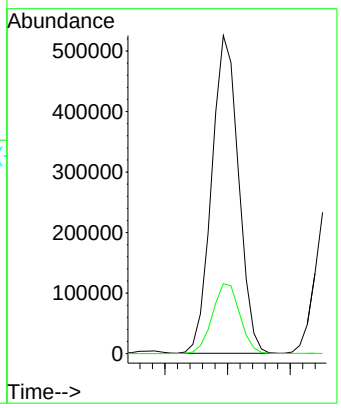


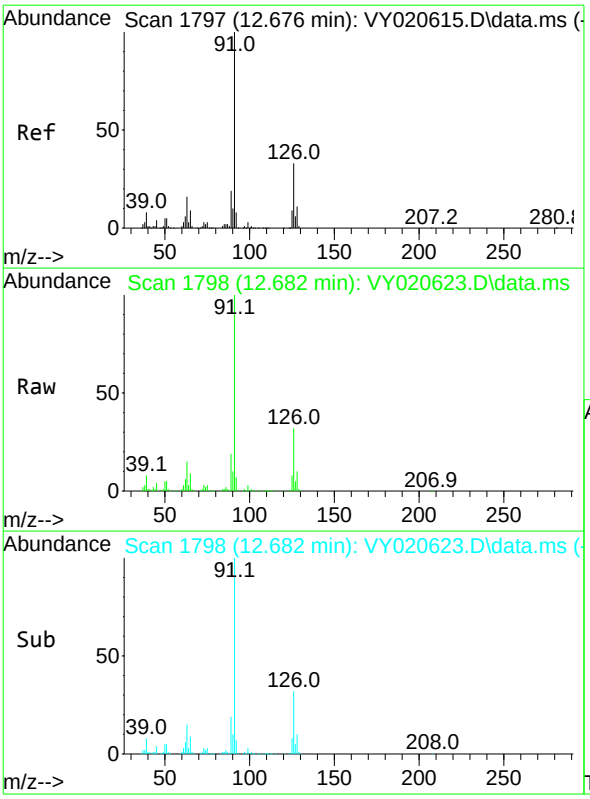


#78
n-propylbenzene
Concen: 55.137 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 783540

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 55.818 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 446278

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
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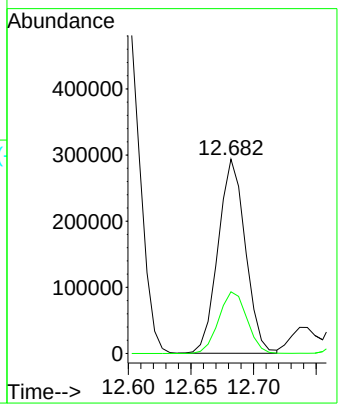
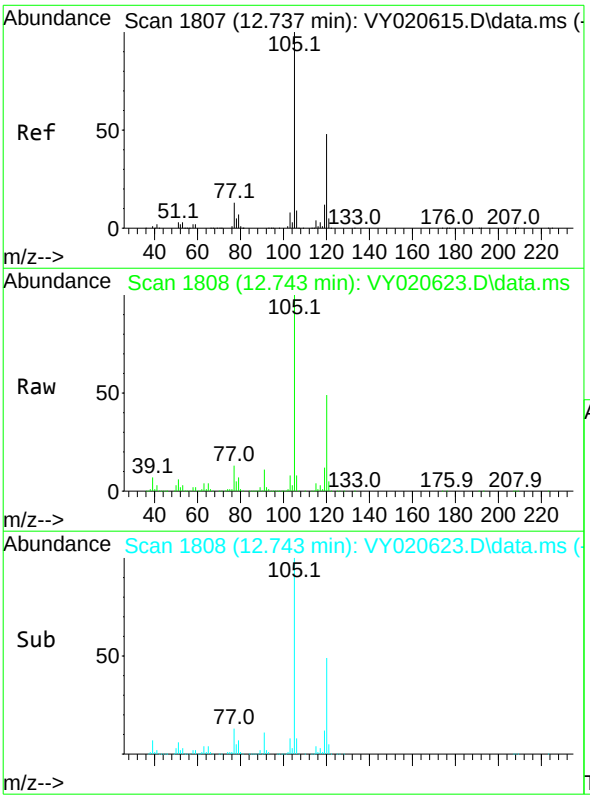
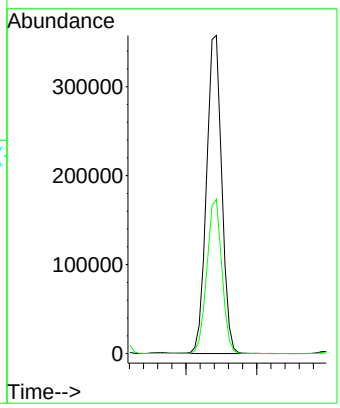


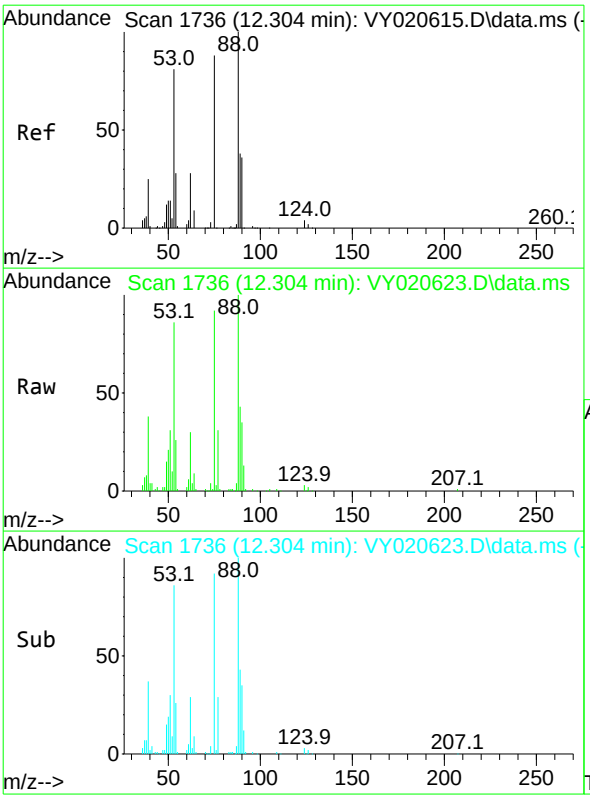


#80
1,3,5-Trimethylbenzene
Concen: 55.844 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 534457

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 55.634 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 37214

Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.4	113.2
89	45.0	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
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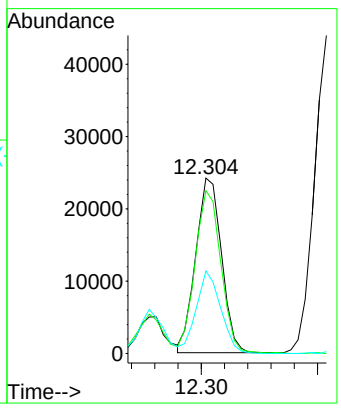
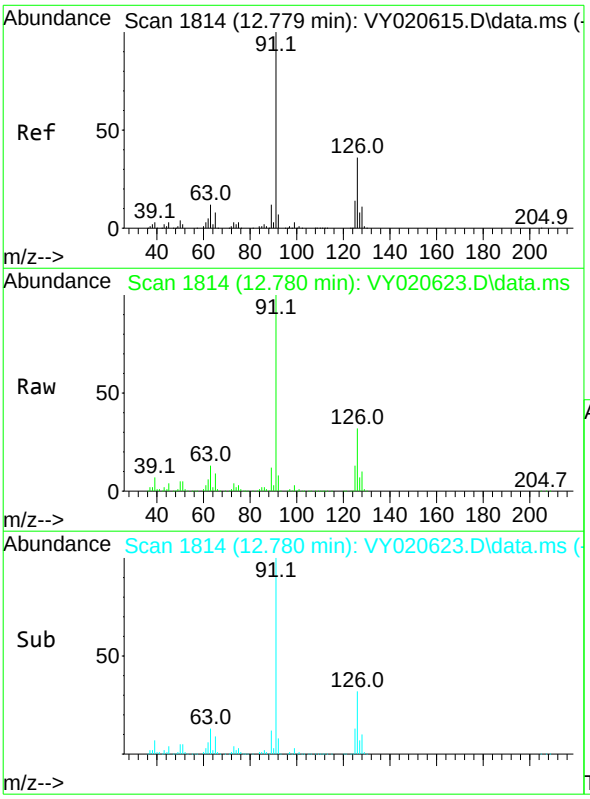
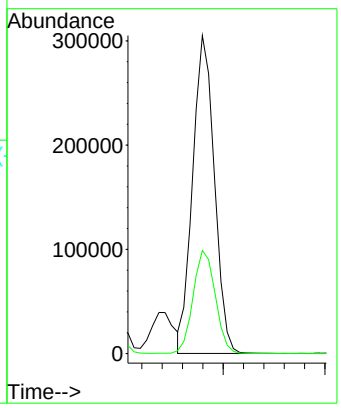


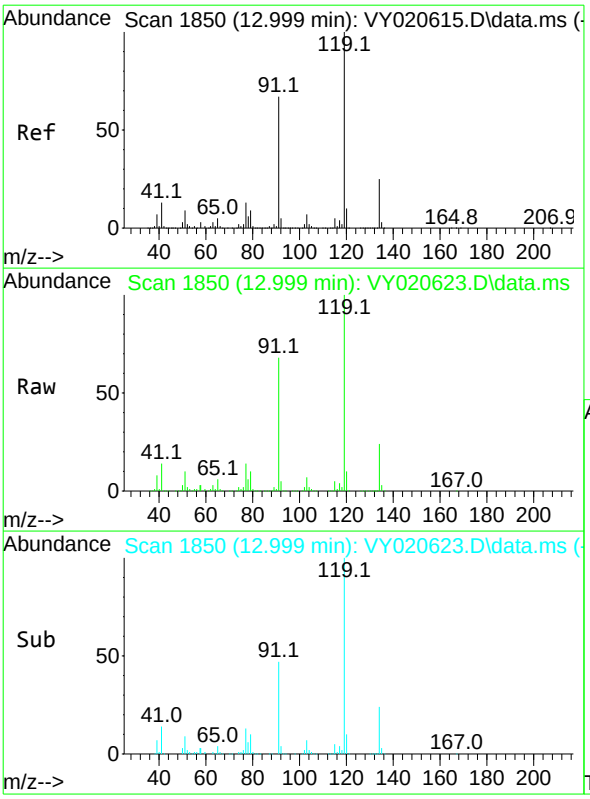


#82
4-Chlorotoluene
Concen: 54.455 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 451687

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7

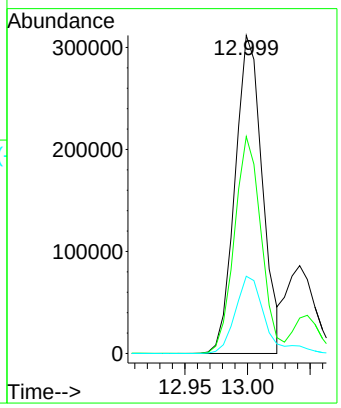




#83
tert-Butylbenzene
Concen: 54.556 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:119 Resp: 472868

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.6	13.1	39.1



Instrument :
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ClientSampleId :
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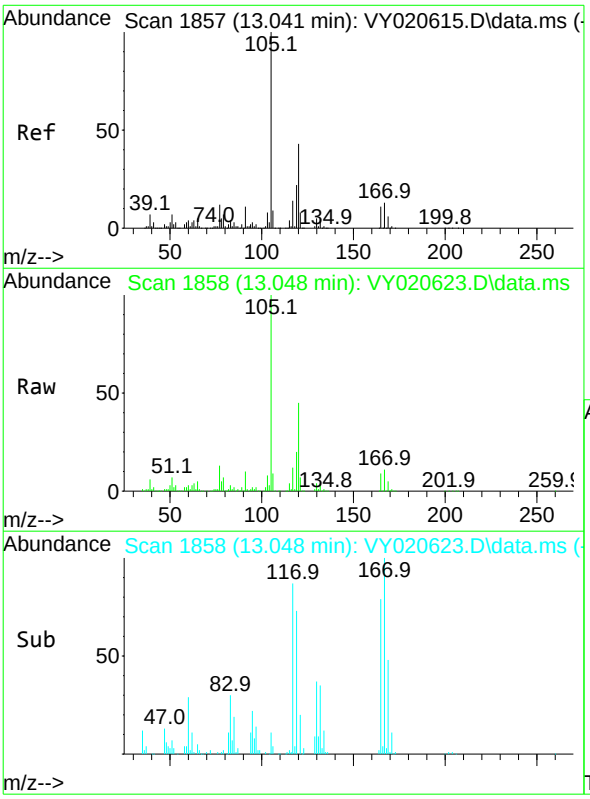
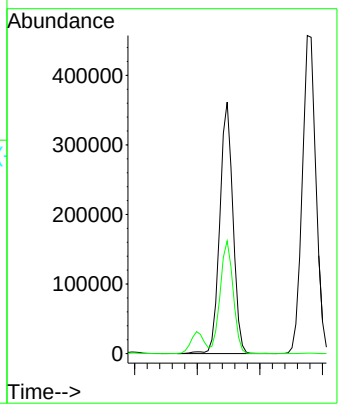
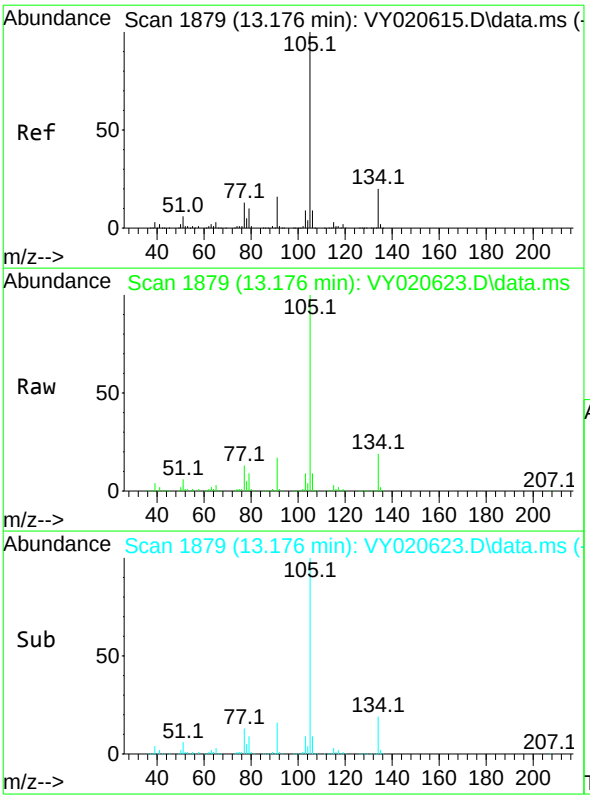


#84
1,2,4-Trimethylbenzene
Concen: 56.024 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 525941

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.8	65.4

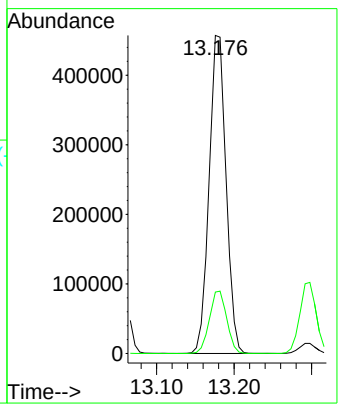




#85
sec-Butylbenzene
Concen: 55.099 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 694384

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
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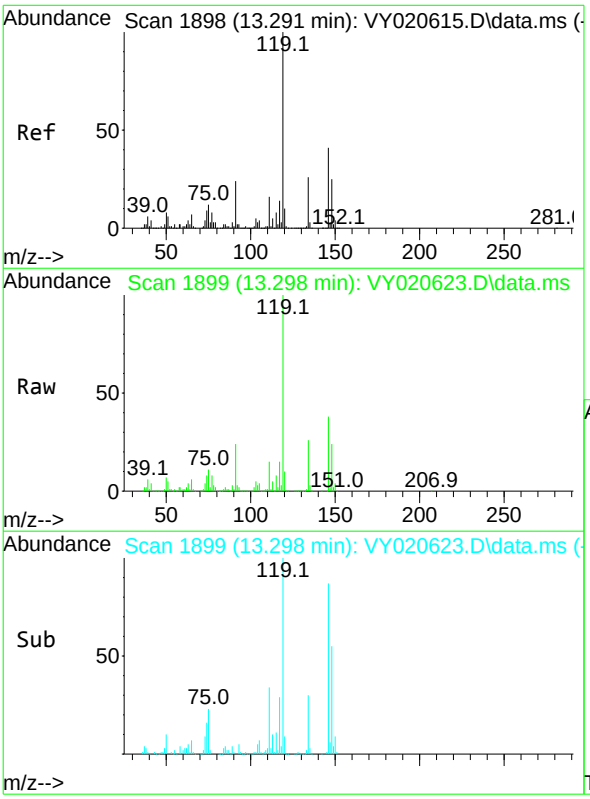
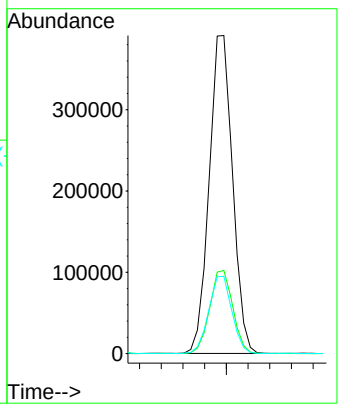
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

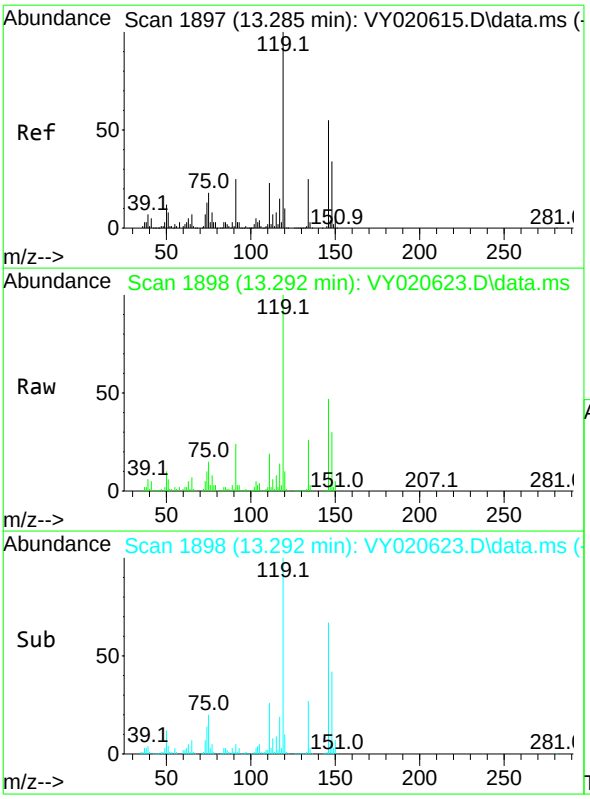


#86
p-Isopropyltoluene
Concen: 56.346 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:119 Resp: 585461

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.1	12.1	36.3

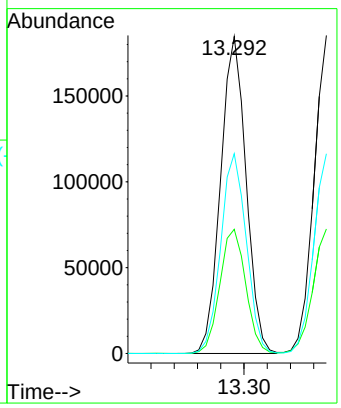




#87
1,3-Dichlorobenzene
Concen: 55.381 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:146 Resp: 280882

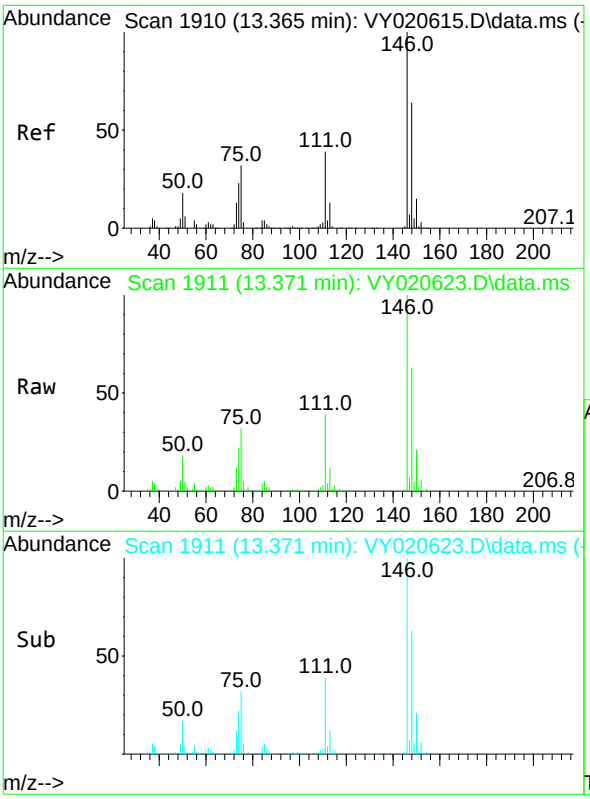
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	63.5	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

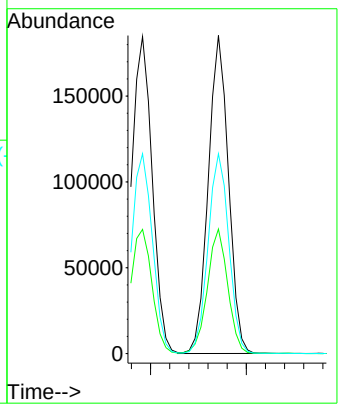
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

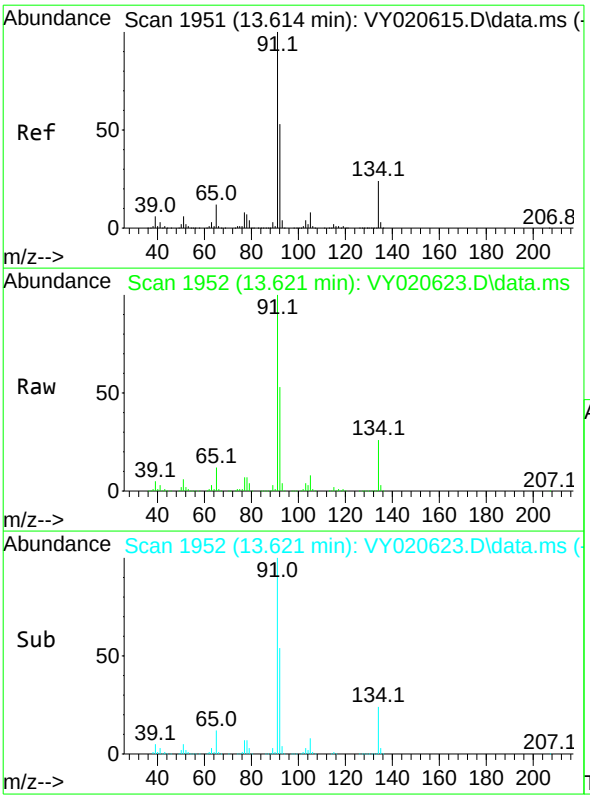


#88
1,4-Dichlorobenzene
Concen: 54.122 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:146 Resp: 271866

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.7	31.9	95.5





#89
n-Butylbenzene
Concen: 56.156 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

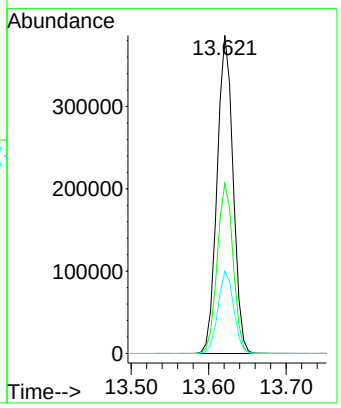
Tgt Ion: 91 Resp: 552991

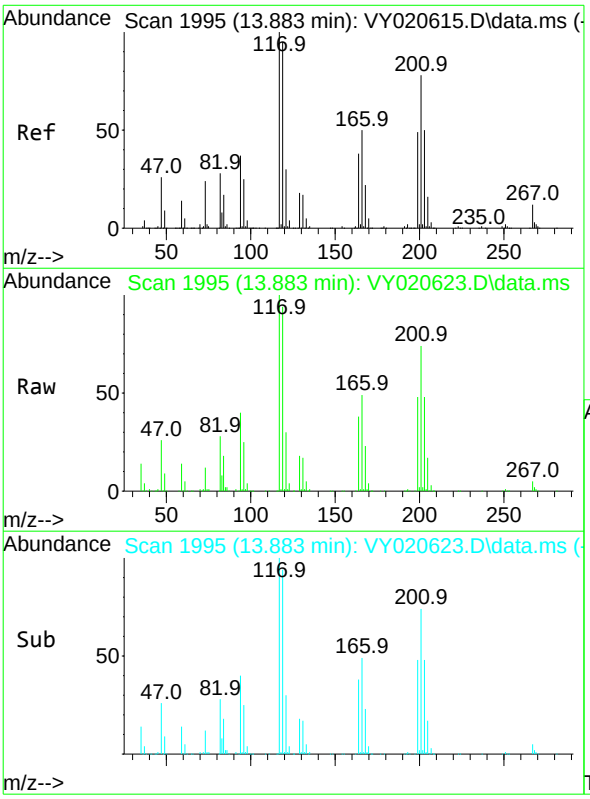
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	25.5	12.5	37.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

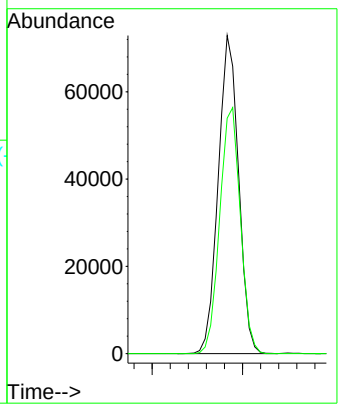


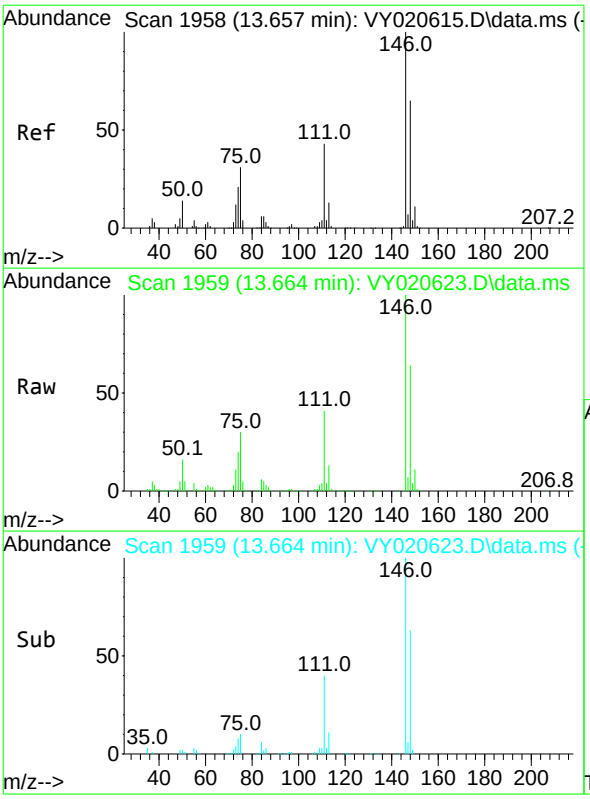


#90
Hexachloroethane
Concen: 55.329 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:117 Resp: 113928

Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 54.548 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

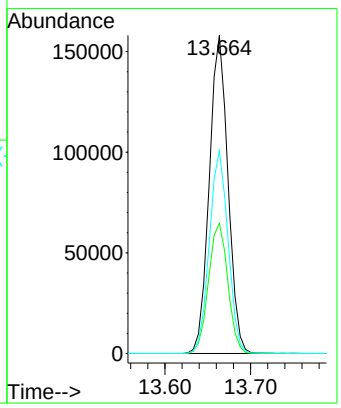
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

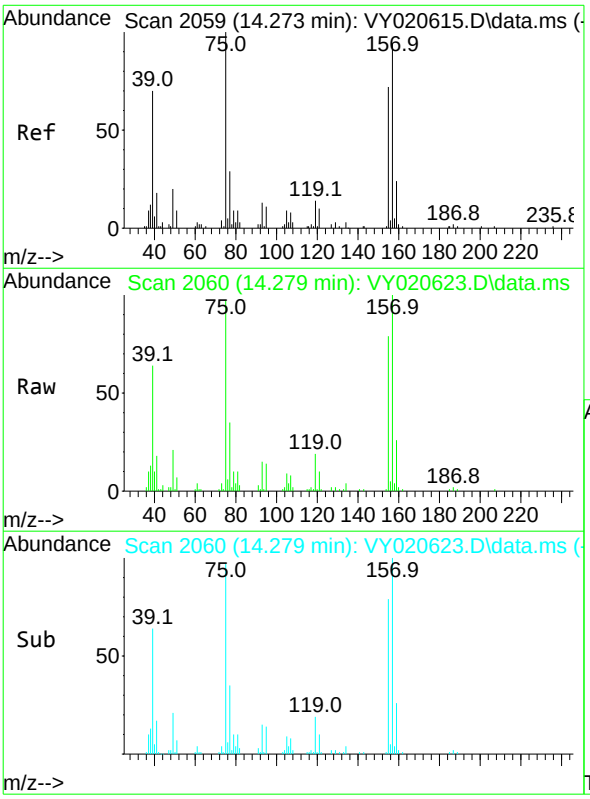
Tgt Ion:146 Resp: 239707

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.9	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

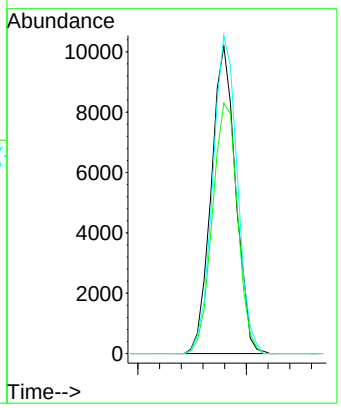


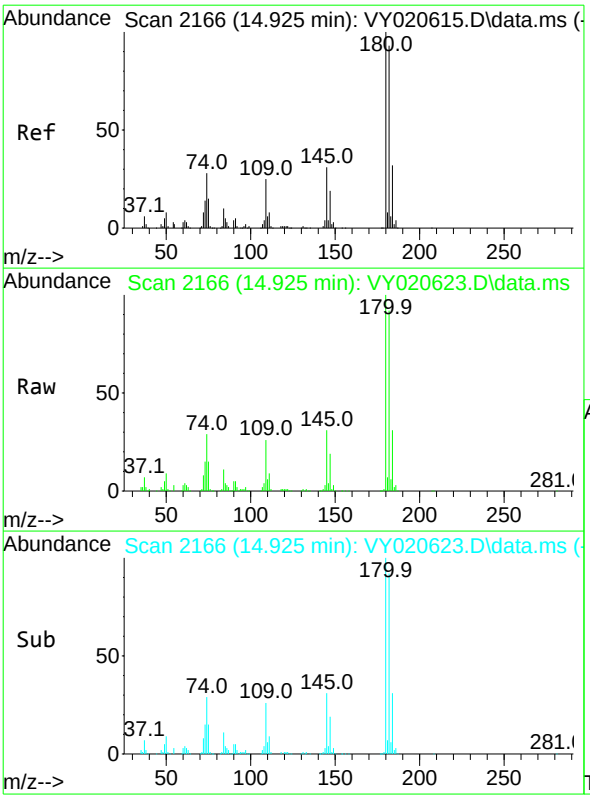


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.412 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 15981

Ion	Ratio	Lower	Upper
75	100		
155	83.8	41.1	123.3
157	103.4	52.9	158.8

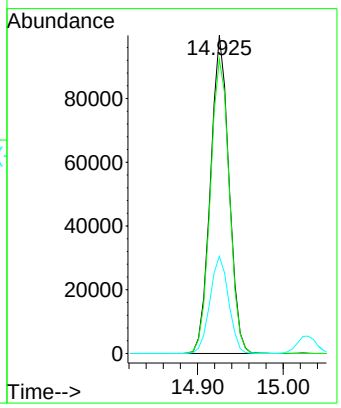




#93
1,2,4-Trichlorobenzene
Concen: 56.222 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:180 Resp: 149441

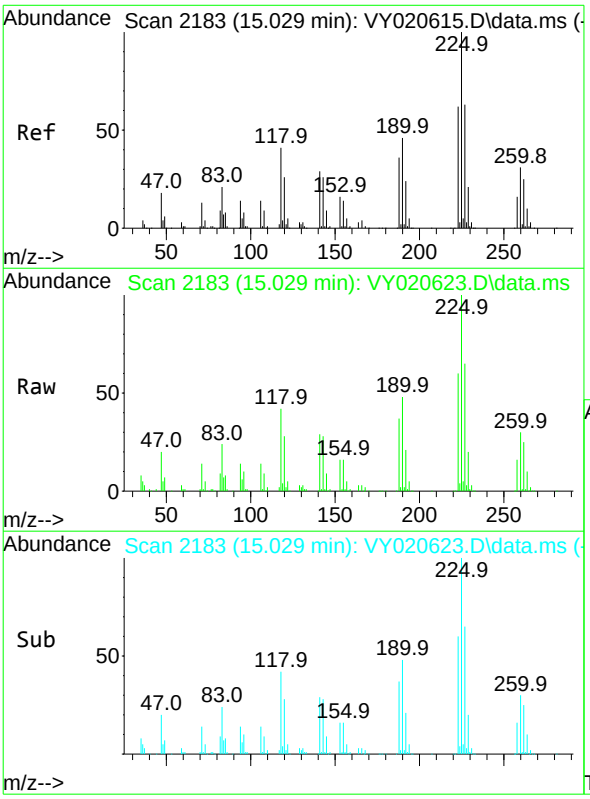
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	30.8	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

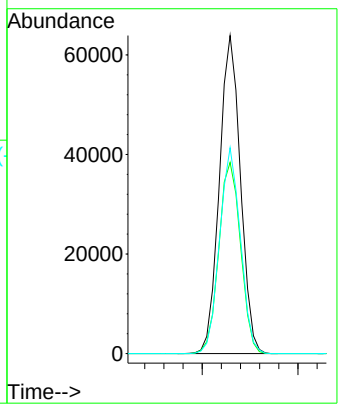
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

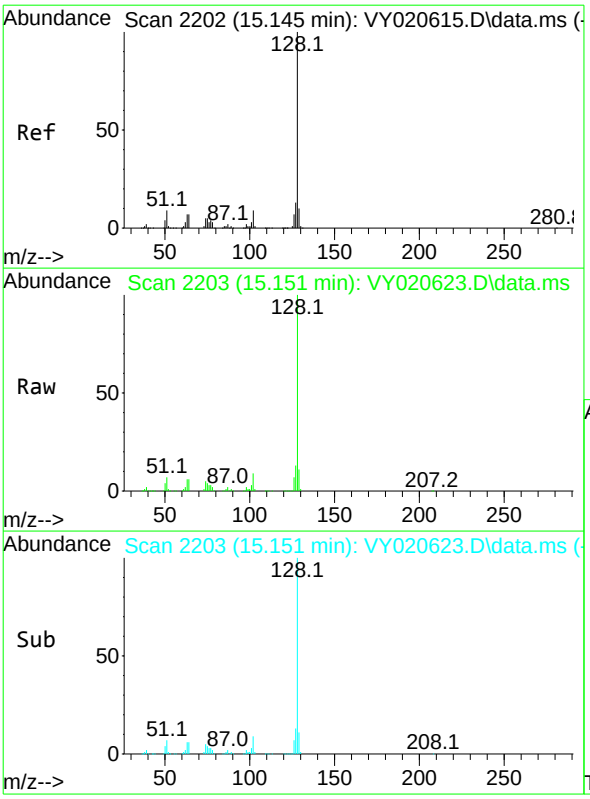


#94
Hexachlorobutadiene
Concen: 56.250 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:225 Resp: 97741

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.3
227	64.0	32.2	96.6

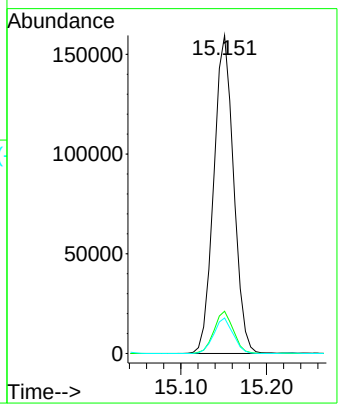




#95
Naphthalene
Concen: 56.376 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:128 Resp: 256906

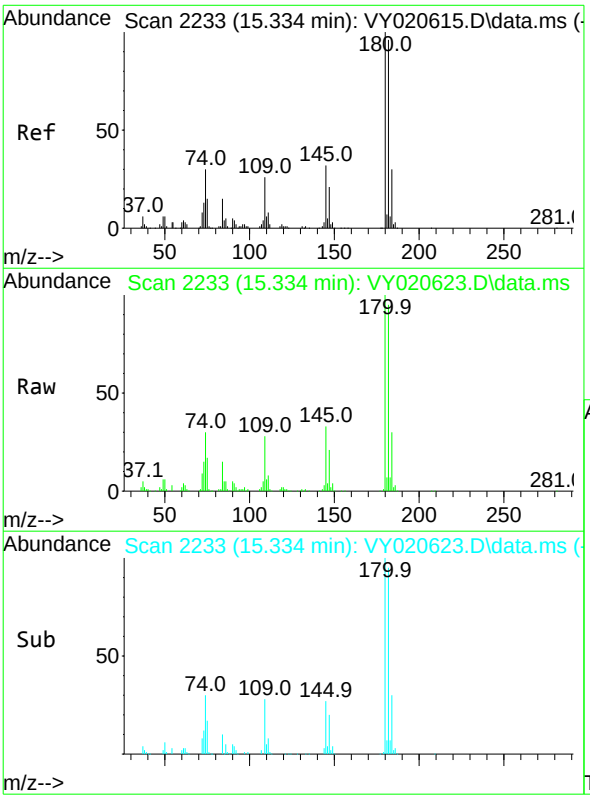
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Manual Integrations
APPROVED

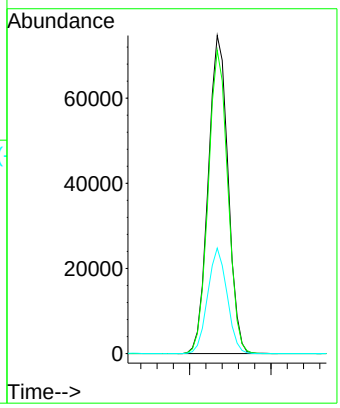
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024



#96
1,2,3-Trichlorobenzene
Concen: 56.169 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:180 Resp: 126145

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	32.4	16.0	48.0



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	107	0.00
2	T	Dichlorodifluoromethane	0.625	0.644	-3.0	112	0.00
3	P	Chloromethane	0.463	0.519	-12.1	130	0.00
4	C	Vinyl Chloride	0.431	0.514	-19.3#	149	0.00
5	T	Bromomethane	0.277	0.323	-16.6	151#	0.00
6	T	Chloroethane	0.266	0.314	-18.0	158#	0.00
7	T	Trichlorofluoromethane	0.901	0.965	-7.1	130	0.00
8	T	Diethyl Ether	0.316	0.341	-7.9	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.713	-10.4	126	0.00
10	T	Methyl Iodide	0.719	0.850	-18.2	131	0.00
11	T	Tert butyl alcohol	0.071	0.050	29.6#	107	0.01
12	CM	1,1-Dichloroethene	0.627	0.703	-12.1#	128	0.01
13	T	Acrolein	0.026	0.016	38.5#	100	0.00
14	T	Allyl chloride	1.098	1.260	-14.8	131	0.00
15	T	Acrylonitrile	0.151	0.158	-4.6	109	0.01
16	T	Acetone	0.125	0.112	10.4	122	0.00
17	T	Carbon Disulfide	2.040	2.307	-13.1	127	0.01
18	T	Methyl Acetate	0.373	0.405	-8.6	124	0.00
19	T	Methyl tert-butyl Ether	1.618	1.750	-8.2	113	0.00
20	T	Methylene Chloride	0.681	0.734	-7.8	127	0.01
21	T	trans-1,2-Dichloroethene	0.703	0.780	-11.0	118	0.00
22	T	Diisopropyl ether	2.229	2.497	-12.0	117	0.00
23	T	Vinyl Acetate	1.263	1.389	-10.0	113	0.00
24	P	1,1-Dichloroethane	1.306	1.453	-11.3	118	0.01
25	T	2-Butanone	0.204	0.198	2.9	107	0.00
26	T	2,2-Dichloropropane	1.235	1.293	-4.7	117	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.896	-10.8	117	0.00
28	T	Bromochloromethane	0.441	0.490	-11.1	106	0.00
29	T	Tetrahydrofuran	0.128	0.133	-3.9	107	0.00
30	C	Chloroform	1.528	1.475	3.5#	115	0.00
31	T	Cyclohexane	1.249	1.272	-1.8	114	0.00
32	T	1,1,1-Trichloroethane	1.200	1.307	-8.9	117	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.514	6.2	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.352	0.339	3.7	101	0.00
36	T	1,1-Dichloropropene	0.643	0.694	-7.9	117	0.00
37	T	Ethyl Acetate	0.302	0.304	-0.7	109	0.00
38	T	Carbon Tetrachloride	0.711	0.764	-7.5	117	0.00
39	T	Methylcyclohexane	0.837	0.888	-6.1	114	0.00
40	TM	Benzene	1.883	2.075	-10.2	120	0.00
41	T	Methacrylonitrile	0.160	0.162	-1.3	113	0.00
42	TM	1,2-Dichloroethane	0.500	0.531	-6.2	114	0.00
43	T	Isopropyl Acetate	0.572	0.606	-5.9	112	0.00
44	TM	Trichloroethene	0.463	0.507	-9.5	118	0.00
45	C	1,2-Dichloropropane	0.440	0.479	-8.9#	118	0.00
46	T	Dibromomethane	0.233	0.248	-6.4	115	0.00
47	T	Bromodichloromethane	0.628	0.680	-8.3	115	0.00
48	T	Methyl methacrylate	0.272	0.287	-5.5	111	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	110	0.00
50	S	Toluene-d8	1.233	1.195	3.1	101	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.309	-2.3	110	0.00
52	CM	Toluene	1.170	1.278	-9.2#	117	0.00
53	T	t-1,3-Dichloropropene	0.586	0.643	-9.7	114	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.768	-10.7	117	0.00
55	T	1,1,2-Trichloroethane	0.308	0.324	-5.2	114	0.00
56	T	Ethyl methacrylate	0.446	0.491	-10.1	114	0.00
57	T	1,3-Dichloropropane	0.548	0.586	-6.9	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.175	6.9	109	0.00
59	T	2-Hexanone	0.194	0.202	-4.1	109	0.00
60	T	Dibromochloromethane	0.411	0.447	-8.8	114	0.00
61	T	1,2-Dibromoethane	0.286	0.303	-5.9	113	0.00
62	S	4-Bromofluorobenzene	0.482	0.437	9.3	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.470	0.499	-6.2	116	0.00
65	PM	Chlorobenzene	1.398	1.538	-10.0	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.526	-10.0	117	0.00
67	C	Ethyl Benzene	2.579	2.857	-10.8#	117	0.00
68	T	m/p-Xylenes	0.959	1.055	-10.0	116	0.00
69	T	o-Xylene	0.895	0.987	-10.3	115	0.00
70	T	Styrene	1.495	1.653	-10.6	116	0.00
71	P	Bromoform	0.269	0.291	-8.2	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.363	4.847	-11.1	116	0.00
74	T	N-amyl acetate	1.021	1.120	-9.7	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.760	-7.3	111	0.00
76	T	1,2,3-Trichloropropane	0.519	0.517	0.4	103	0.00
77	T	Bromobenzene	0.950	1.050	-10.5	115	0.00
78	T	n-propylbenzene	5.257	5.797	-10.3	114	0.00
79	T	2-Chlorotoluene	2.958	3.302	-11.6	117	0.00
80	T	1,3,5-Trimethylbenzene	3.540	3.954	-11.7	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.275	-11.3	112	0.00
82	T	4-Chlorotoluene	3.068	3.342	-8.9	114	0.00
83	T	tert-Butylbenzene	3.206	3.499	-9.1	113	0.00
84	T	1,2,4-Trimethylbenzene	3.473	3.891	-12.0	114	0.00
85	T	sec-Butylbenzene	4.662	5.137	-10.2	114	0.00
86	T	p-Isopropyltoluene	3.844	4.332	-12.7	115	0.00
87	T	1,3-Dichlorobenzene	1.876	2.078	-10.8	116	0.00
88	T	1,4-Dichlorobenzene	1.858	2.011	-8.2	114	0.00
89	T	n-Butylbenzene	3.643	4.091	-12.3	113	0.00
90	T	Hexachloroethane	0.762	0.843	-10.6	115	0.00
91	T	1,2-Dichlorobenzene	1.626	1.773	-9.0	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.118	-2.6	108	0.00
93	T	1,2,4-Trichlorobenzene	0.983	1.106	-12.5	113	0.00
94	T	Hexachlorobutadiene	0.643	0.723	-12.4	114	0.00
95	T	Naphthalene	1.686	1.901	-12.8	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	0.933	-12.3	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	107	0.00
2	T	Dichlorodifluoromethane	50.000	51.523	-3.0	112	0.00
3	P	Chloromethane	50.000	56.068	-12.1	130	0.00
4	C	Vinyl Chloride	50.000	59.712	-19.4#	149	0.00
5	T	Bromomethane	50.000	58.252	-16.5	151	0.00
6	T	Chloroethane	50.000	59.008	-18.0	158	0.00
7	T	Trichlorofluoromethane	50.000	53.530	-7.1	130	0.00
8	T	Diethyl Ether	50.000	53.992	-8.0	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.158	-10.3	126	0.00
10	T	Methyl Iodide	50.000	59.104	-18.2	131	0.00
11	T	Tert butyl alcohol	250.000	213.025	14.8	107	0.01
12	CM	1,1-Dichloroethene	50.000	56.045	-12.1#	128	0.01
13	T	Acrolein	250.000	155.740	37.7#	100	0.00
14	T	Allyl chloride	50.000	57.385	-14.8	131	0.00
15	T	Acrylonitrile	250.000	260.505	-4.2	109	0.01
16	T	Acetone	250.000	257.301	-2.9	122	0.00
17	T	Carbon Disulfide	50.000	56.530	-13.1	127	0.01
18	T	Methyl Acetate	50.000	54.377	-8.8	124	0.00
19	T	Methyl tert-butyl Ether	50.000	54.099	-8.2	113	0.00
20	T	Methylene Chloride	50.000	53.915	-7.8	127	0.01
21	T	trans-1,2-Dichloroethene	50.000	55.450	-10.9	118	0.00
22	T	Diisopropyl ether	50.000	56.015	-12.0	117	0.00
23	T	Vinyl Acetate	250.000	275.088	-10.0	113	0.00
24	P	1,1-Dichloroethane	50.000	55.632	-11.3	118	0.01
25	T	2-Butanone	250.000	243.530	2.6	107	0.00
26	T	2,2-Dichloropropane	50.000	52.354	-4.7	117	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.354	-10.7	117	0.00
28	T	Bromochloromethane	50.000	55.637	-11.3	106	0.00
29	T	Tetrahydrofuran	250.000	259.058	-3.6	107	0.00
30	C	Chloroform	50.000	56.991	-14.0#	115	0.00
31	T	Cyclohexane	50.000	50.933	-1.9	114	0.00
32	T	1,1,1-Trichloroethane	50.000	54.484	-9.0	117	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.890	6.2	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	48.152	3.7	101	0.00
36	T	1,1-Dichloropropene	50.000	53.976	-8.0	117	0.00
37	T	Ethyl Acetate	50.000	50.307	-0.6	109	0.00
38	T	Carbon Tetrachloride	50.000	53.714	-7.4	117	0.00
39	T	Methylcyclohexane	50.000	53.013	-6.0	114	0.00
40	TM	Benzene	50.000	55.083	-10.2	120	0.00
41	T	Methacrylonitrile	50.000	50.678	-1.4	113	0.00
42	TM	1,2-Dichloroethane	50.000	53.147	-6.3	114	0.00
43	T	Isopropyl Acetate	50.000	52.984	-6.0	112	0.00
44	TM	Trichloroethene	50.000	54.743	-9.5	118	0.00
45	C	1,2-Dichloropropane	50.000	54.411	-8.8#	118	0.00
46	T	Dibromomethane	50.000	53.233	-6.5	115	0.00
47	T	Bromodichloromethane	50.000	54.141	-8.3	115	0.00
48	T	Methyl methacrylate	50.000	52.797	-5.6	111	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	1032.238	-3.2	110	0.00
50	S	Toluene-d8	50.000	48.457	3.1	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.497	-2.2	110	0.00
52	CM	Toluene	50.000	54.590	-9.2#	117	0.00
53	T	t-1,3-Dichloropropene	50.000	54.904	-9.8	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.329	-10.7	117	0.00
55	T	1,1,2-Trichloroethane	50.000	52.705	-5.4	114	0.00
56	T	Ethyl methacrylate	50.000	55.009	-10.0	114	0.00
57	T	1,3-Dichloropropane	50.000	53.466	-6.9	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	232.929	6.8	109	0.00
59	T	2-Hexanone	250.000	260.158	-4.1	109	0.00
60	T	Dibromochloromethane	50.000	54.359	-8.7	114	0.00
61	T	1,2-Dibromoethane	50.000	52.944	-5.9	113	0.00
62	S	4-Bromofluorobenzene	50.000	45.267	9.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	53.056	-6.1	116	0.00
65	PM	Chlorobenzene	50.000	55.019	-10.0	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.037	-10.1	117	0.00
67	C	Ethyl Benzene	50.000	55.393	-10.8#	117	0.00
68	T	m/p-Xylenes	100.000	109.995	-10.0	116	0.00
69	T	o-Xylene	50.000	55.129	-10.3	115	0.00
70	T	Styrene	50.000	55.275	-10.5	116	0.00
71	P	Bromoform	50.000	54.090	-8.2	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	55.541	-11.1	116	0.00
74	T	N-amyl acetate	50.000	54.818	-9.6	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.630	-7.3	111	0.00
76	T	1,2,3-Trichloropropane	50.000	49.797	0.4	103	0.00
77	T	Bromobenzene	50.000	55.233	-10.5	115	0.00
78	T	n-propylbenzene	50.000	55.137	-10.3	114	0.00
79	T	2-Chlorotoluene	50.000	55.818	-11.6	117	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.844	-11.7	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.634	-11.3	112	0.00
82	T	4-Chlorotoluene	50.000	54.455	-8.9	114	0.00
83	T	tert-Butylbenzene	50.000	54.556	-9.1	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.024	-12.0	114	0.00
85	T	sec-Butylbenzene	50.000	55.099	-10.2	114	0.00
86	T	p-Isopropyltoluene	50.000	56.346	-12.7	115	0.00
87	T	1,3-Dichlorobenzene	50.000	55.381	-10.8	116	0.00
88	T	1,4-Dichlorobenzene	50.000	54.122	-8.2	114	0.00
89	T	n-Butylbenzene	50.000	56.156	-12.3	113	0.00
90	T	Hexachloroethane	50.000	55.329	-10.7	115	0.00
91	T	1,2-Dichlorobenzene	50.000	54.548	-9.1	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.412	-2.8	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.222	-12.4	113	0.00
94	T	Hexachlorobutadiene	50.000	56.250	-12.5	114	0.00
95	T	Naphthalene	50.000	56.376	-12.8	112	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	56.169	-12.3	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date(s): 12/23/2024 12/23/2024

Heated Purge: (Y/N) Y Calibration Time(s): 11:30 13:24

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

LAB FILE ID: RRF005 = VY020684.D RRF010 = VY020685.D RRF020 = VY020686.D
RRF050 = VY020687.D RRF100 = VY020688.D RRF150 = VY020689.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.338	0.391	0.389	0.424	0.391	0.378	0.385	7.2
Chloromethane	0.125	0.165	0.151	0.176	0.161	0.163	0.157	11.1
Vinyl Chloride	0.163	0.196	0.184	0.212	0.193	0.200	0.191	8.6
Bromomethane	0.111	0.133	0.123	0.150	0.144	0.151	0.135	11.9
Chloroethane	0.097	0.115	0.113	0.128	0.120	0.125	0.116	9.3
Tetrahydrofuran	0.035	0.039	0.040	0.053	0.039	0.044	0.042	15.4
Trichlorofluoromethane	0.597	0.687	0.671	0.765	0.698	0.711	0.688	8
1,1,2-Trichlorotrifluoroethane	0.316	0.386	0.379	0.413	0.379	0.381	0.376	8.5
1,1-Dichloroethene	0.279	0.341	0.315	0.371	0.349	0.346	0.333	9.6
Acrylonitrile	0.051	0.056	0.058	0.076	0.059	0.064	0.061	13.8
Acetone	0.059	0.049	0.047	0.058	0.043	0.048	0.051	12.4
Carbon Disulfide	0.654	0.768	0.769	0.978	0.907	0.913	0.831	14.6
Methyl tert-butyl Ether	0.769	0.869	0.904	1.042	0.908	0.949	0.907	9.9
Methylene Chloride	0.324	0.346	0.317	0.370	0.333	0.332	0.337	5.5
trans-1,2-Dichloroethene	0.310	0.350	0.350	0.404	0.370	0.374	0.360	8.7
1,1-Dichloroethane	0.500	0.583	0.597	0.668	0.616	0.611	0.596	9.3
2-Butanone	0.069	0.070	0.067	0.085	0.064	0.071	0.071	10.2
Carbon Tetrachloride	0.472	0.585	0.562	0.654	0.595	0.597	0.577	10.4
2,2-Dichloropropane	0.720	0.768	0.725	0.798	0.735	0.726	0.746	4.2
cis-1,2-Dichloroethene	0.389	0.415	0.418	0.472	0.433	0.442	0.428	6.6
Chloroform	0.787	0.799	0.753	0.841	0.760	0.760	0.783	4.2
1,1,1-Trichloroethane	0.706	0.835	0.809	0.903	0.829	0.828	0.818	7.8
1,1-Dichloropropene	0.302	0.358	0.352	0.402	0.364	0.364	0.357	8.9
Benzene	0.870	1.019	1.009	1.163	1.057	1.058	1.030	9.3
1,2-Dichloroethane	0.271	0.324	0.324	0.384	0.327	0.334	0.327	11
Trichloroethene	0.261	0.306	0.307	0.339	0.310	0.310	0.306	8.3
1,2-Dichloropropane	0.166	0.197	0.205	0.231	0.206	0.209	0.202	10.5
Dibromomethane	0.118	0.131	0.138	0.163	0.144	0.144	0.140	10.6
Bromodichloromethane	0.326	0.384	0.392	0.461	0.404	0.409	0.396	11
4-Methyl-2-Pentanone	0.110	0.111	0.116	0.148	0.114	0.127	0.121	12

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

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date(s): 12/23/2024 12/23/2024

Heated Purge: (Y/N) Y Calibration Time(s): 11:30 13:24

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

LAB FILE ID: RRF005 = VY020684.D RRF010 = VY020685.D RRF020 = VY020686.D
RRF050 = VY020687.D RRF100 = VY020688.D RRF150 = VY020689.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.582	0.687	0.693	0.792	0.723	0.729	0.701	9.8
t-1,3-Dichloropropene	0.277	0.323	0.349	0.411	0.366	0.376	0.351	13.3
cis-1,3-Dichloropropene	0.304	0.369	0.386	0.452	0.402	0.405	0.386	12.7
1,1,2-Trichloroethane	0.154	0.175	0.176	0.214	0.180	0.186	0.181	10.8
1,3-Dichloropropane	0.242	0.286	0.291	0.353	0.296	0.305	0.296	12.1
2-Hexanone	0.057	0.067	0.073	0.100	0.078	0.087	0.077	19.4
Dibromochloromethane	0.244	0.271	0.287	0.335	0.292	0.303	0.289	10.6
1,2-Dibromoethane	0.132	0.172	0.168	0.203	0.166	0.176	0.170	13.5
Tetrachloroethene	0.274	0.339	0.331	0.362	0.341	0.346	0.332	9.1
Chlorobenzene	0.811	0.932	0.924	1.022	0.956	0.961	0.934	7.5
1,1,1,2-Tetrachloroethane	0.321	0.368	0.360	0.398	0.369	0.373	0.365	6.9
Ethyl Benzene	1.397	1.698	1.668	1.841	1.722	1.731	1.676	8.9
m/p-Xylenes	0.531	0.645	0.644	0.703	0.656	0.656	0.639	8.9
o-Xylene	0.493	0.610	0.599	0.670	0.621	0.611	0.600	9.7
Styrene	0.823	1.026	1.020	1.119	1.039	1.033	1.010	9.8
Bromoform	0.180	0.195	0.208	0.247	0.206	0.219	0.209	11
Isopropylbenzene	2.983	3.415	3.372	3.667	3.515	3.453	3.401	6.7
1,1,2,2-Tetrachloroethane	0.386	0.444	0.430	0.498	0.424	0.445	0.438	8.3
1,2,3-Trichloropropane	0.305	0.372	0.341	0.349	0.346	0.357	0.345	6.5
Bromobenzene	0.667	0.779	0.752	0.853	0.794	0.802	0.774	8
n-propylbenzene	3.382	3.920	3.786	4.131	3.928	3.859	3.834	6.5
2-Chlorotoluene	1.923	2.228	2.169	2.368	2.221	2.188	2.183	6.7
1,3,5-Trimethylbenzene	2.458	2.840	2.814	3.058	2.911	2.845	2.821	7
4-Chlorotoluene	1.938	2.214	2.232	2.421	2.262	2.290	2.226	7.1
tert-Butylbenzene	2.340	2.609	2.608	2.842	2.703	2.647	2.625	6.3
1,2,4-Trimethylbenzene	2.330	2.749	2.772	3.039	2.858	2.786	2.756	8.5
sec-Butylbenzene	3.092	3.493	3.553	3.813	3.671	3.584	3.534	6.9
p-Isopropyltoluene	2.598	3.016	3.111	3.376	3.260	3.178	3.090	8.8
1,3-Dichlorobenzene	1.340	1.499	1.475	1.675	1.528	1.510	1.504	7.1
1,4-Dichlorobenzene	1.290	1.485	1.473	1.605	1.502	1.489	1.474	6.9

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

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date(s): 12/23/2024 12/23/2024

Heated Purge: (Y/N) Y Calibration Time(s): 11:30 13:24

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

LAB FILE ID: RRF005 = VY020684.D RRF010 = VY020685.D RRF020 = VY020686.D
RRF050 = VY020687.D RRF100 = VY020688.D RRF150 = VY020689.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	2.232	2.504	2.602	2.825	2.750	2.705	2.603	8.2
1,2-Dichlorobenzene	1.121	1.291	1.286	1.431	1.311	1.308	1.291	7.7
1,2-Dibromo-3-Chloropropane	0.075	0.080	0.079	0.096	0.080	0.090	0.083	9.3
1,2,4-Trichlorobenzene	0.563	0.667	0.713	0.882	0.866	0.908	0.767	18.2
Hexachlorobutadiene	0.466	0.530	0.561	0.628	0.622	0.618	0.571	11.3
1,2,3-Trichlorobenzene	0.465	0.545	0.607	0.747	0.721	0.760	0.641	18.8
1,2-Dichloroethane-d4		0.407	0.359	0.511	0.469	0.468	0.443	13.5
Dibromofluoromethane		0.286	0.250	0.330	0.303	0.299	0.294	10
Toluene-d8		0.891	0.815	1.244	1.209	1.174	1.066	18.6
4-Bromofluorobenzene		0.373	0.339	0.424	0.408	0.396	0.388	8.6
trans-1,4-Dichloro-2-butene	0.128	0.153	0.155	0.195	0.154	0.167	0.159	13.8

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y122324S.M
Title : SW846 8260
Last Update : Wed Dec 25 00:58:45 2024
Response Via : Initial Calibration

Calibration Files
5 =VY020684.D 10 =VY020685.D 20 =VY020686.D 50 =VY020687.D 100 =VY020688.D 150 =VY020689.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.338	0.391	0.389	0.424	0.391	0.378	0.385	7.24
3)	P	Chloromethane	0.125	0.165	0.151	0.176	0.161	0.163	0.157	11.12
4)	C	Vinyl Chloride	0.163	0.196	0.184	0.212	0.193	0.200	0.191	8.61#
5)	T	Bromomethane	0.111	0.133	0.123	0.150	0.144	0.151	0.135	11.87
6)	T	Chloroethane	0.097	0.115	0.113	0.128	0.120	0.125	0.116	9.35
7)	T	Trichlorofluor...	0.597	0.687	0.671	0.765	0.698	0.711	0.688	8.00
8)	T	Diethyl Ether	0.155	0.151	0.156	0.193	0.163	0.171	0.165	9.39
9)	T	1,1,2-Trichlor...	0.316	0.386	0.379	0.413	0.379	0.381	0.376	8.51
10)	T	Methyl Iodide	0.326	0.413	0.419	0.502	0.468	0.468	0.433	14.32
11)	T	Tert butyl alc...	0.057	0.041	0.034	0.032	0.023	0.026	0.035	34.92
12)	CM	1,1-Dichloroet...	0.279	0.341	0.315	0.371	0.349	0.346	0.333	9.57#
13)	T	Acrolein	0.011	0.013	0.012	0.008	0.006	0.006	0.009	31.40
14)	T	Allyl chloride	0.321	0.372	0.389	0.431	0.414	0.419	0.391	10.36
15)	T	Acrylonitrile	0.051	0.056	0.058	0.076	0.059	0.064	0.061	13.80
16)	T	Acetone	0.059	0.049	0.047	0.058	0.043	0.048	0.051	12.39
17)	T	Carbon Disulfide	0.654	0.768	0.769	0.978	0.907	0.913	0.831	14.57
18)	T	Methyl Acetate	0.094	0.120	0.122	0.169	0.133	0.145	0.131	19.42
19)	T	Methyl tert-bu...	0.769	0.869	0.904	1.042	0.908	0.949	0.907	9.92
20)	T	Methylene Chlo...	0.324	0.346	0.317	0.370	0.333	0.332	0.337	5.53
21)	T	trans-1,2-Dich...	0.310	0.350	0.350	0.404	0.370	0.374	0.360	8.73
22)	T	Diisopropyl ether	0.671	0.813	0.791	0.899	0.819	0.804	0.799	9.20
23)	T	Vinyl Acetate	0.386	0.454	0.466	0.565	0.474	0.495	0.473	12.24
24)	P	1,1-Dichloroet...	0.500	0.583	0.597	0.668	0.616	0.611	0.596	9.26
25)	T	2-Butanone	0.069	0.070	0.067	0.085	0.064	0.071	0.071	10.18
26)	T	2,2-Dichloropr...	0.720	0.768	0.725	0.798	0.735	0.726	0.746	4.15
27)	T	cis-1,2-Dichlo...	0.389	0.415	0.418	0.472	0.433	0.442	0.428	6.60
28)	T	Bromochloromet...	0.106	0.119	0.141	0.183	0.181	0.187	0.153	23.44
29)	T	Tetrahydrofuran	0.035	0.039	0.040	0.053	0.039	0.044	0.042	15.38
30)	C	Chloroform	0.787	0.799	0.753	0.841	0.760	0.760	0.783	4.25#
31)	T	Cyclohexane	0.579	0.557	0.500	0.536	0.485	0.479	0.523	7.83
32)	T	1,1,1-Trichlor...	0.706	0.835	0.809	0.903	0.829	0.828	0.818	7.80
33)	S	1,2-Dichloroet...		0.407	0.359	0.511	0.469	0.468	0.443	13.49
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.286	0.250	0.330	0.303	0.299	0.294	9.99
36)	T	1,1-Dichloropr...	0.302	0.358	0.352	0.402	0.364	0.364	0.357	8.93
37)	T	Ethyl Acetate	0.110	0.119	0.119	0.145	0.112	0.123	0.121	10.46
38)	T	Carbon Tetrach...	0.472	0.585	0.562	0.654	0.595	0.597	0.577	10.41
39)	T	Methylcyclohexane	0.385	0.444	0.431	0.512	0.469	0.481	0.454	9.70
40)	TM	Benzene	0.870	1.019	1.009	1.163	1.057	1.058	1.029	9.27
41)	T	Methacrylonitrile	0.056	0.057	0.072	0.082	0.066	0.064	0.066	14.55
42)	TM	1,2-Dichloroet...	0.271	0.324	0.324	0.384	0.327	0.334	0.327	10.96
43)	T	Isopropyl Acetate	0.187	0.217	0.236	0.303	0.244	0.266	0.242	16.46
44)	TM	Trichloroethene	0.261	0.306	0.307	0.339	0.310	0.310	0.306	8.28
45)	C	1,2-Dichloropr...	0.166	0.197	0.205	0.231	0.206	0.209	0.202	10.52#
46)	T	Dibromomethane	0.118	0.131	0.138	0.163	0.144	0.144	0.140	10.64
47)	T	Bromodichlorom...	0.326	0.384	0.392	0.461	0.404	0.409	0.396	10.99
48)	T	Methyl methacr...	0.090	0.108	0.111	0.139	0.114	0.128	0.115	14.74
49)	T	1,4-Dioxane	0.001	0.001	0.001	0.002	0.001	0.001	0.001	26.97
50)	S	Toluene-d8		0.891	0.815	1.244	1.209	1.174	1.066	18.61
51)	T	4-Methyl-2-Pen...	0.110	0.111	0.116	0.148	0.114	0.127	0.121	12.03
52)	CM	Toluene	0.582	0.687	0.693	0.792	0.723	0.729	0.701	9.84#
53)	T	t-1,3-Dichloro...	0.277	0.323	0.349	0.411	0.366	0.376	0.351	13.26
54)	T	cis-1,3-Dichlo...	0.304	0.369	0.386	0.452	0.402	0.405	0.386	12.69
55)	T	1,1,2-Trichlor...	0.154	0.175	0.176	0.214	0.180	0.186	0.181	10.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y122324S.M

56)	T	Ethyl methacry...	0.170	0.200	0.220	0.287	0.243	0.263	0.231	18.53
57)	T	1,3-Dichloropr...	0.242	0.286	0.291	0.353	0.296	0.305	0.296	12.07
58)	T	2-Chloroethyl ...	0.074	0.072	0.082	0.101	0.092	0.096	0.086	14.12
59)	T	2-Hexanone	0.057	0.067	0.073	0.100	0.078	0.087	0.077	19.42
60)	T	Dibromochlorom...	0.244	0.271	0.287	0.335	0.292	0.303	0.289	10.64
61)	T	1,2-Dibromoethane	0.132	0.172	0.168	0.203	0.166	0.176	0.170	13.48
62)	S	4-Bromofluorob...		0.373	0.339	0.424	0.408	0.396	0.388	8.57
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.274	0.339	0.331	0.362	0.341	0.346	0.332	9.12
65)	PM	Chlorobenzene	0.811	0.932	0.924	1.022	0.956	0.961	0.934	7.46
66)	T	1,1,1,2-Tetrac...	0.321	0.368	0.360	0.398	0.369	0.373	0.365	6.89
67)	C	Ethyl Benzene	1.397	1.698	1.668	1.841	1.722	1.731	1.676	8.87#
68)	T	m/p-Xylenes	0.531	0.645	0.644	0.703	0.656	0.656	0.639	8.94
69)	T	o-Xylene	0.493	0.610	0.599	0.670	0.621	0.611	0.600	9.73
70)	T	Styrene	0.823	1.026	1.020	1.119	1.039	1.033	1.010	9.78
71)	P	Bromoform	0.180	0.195	0.208	0.247	0.206	0.219	0.209	10.99
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.983	3.415	3.372	3.667	3.515	3.453	3.401	6.74
74)	T	N-amyl acetate	0.361	0.411	0.449	0.591	0.513	0.542	0.478	17.98
75)	P	1,1,2,2-Tetrac...	0.386	0.444	0.430	0.498	0.424	0.445	0.438	8.30
76)	T	1,2,3-Trichlor...	0.305	0.372	0.341	0.349	0.346	0.357	0.345	6.49
77)	T	Bromobenzene	0.667	0.779	0.752	0.853	0.794	0.802	0.774	8.01
78)	T	n-propylbenzene	3.382	3.920	3.786	4.131	3.928	3.859	3.834	6.51
79)	T	2-Chlorotoluene	1.923	2.228	2.169	2.368	2.221	2.188	2.183	6.67
80)	T	1,3,5-Trimethy...	2.458	2.840	2.814	3.058	2.911	2.845	2.821	7.04
81)	T	trans-1,4-Dich...	0.128	0.153	0.155	0.195	0.154	0.167	0.159	13.79
82)	T	4-Chlorotoluene	1.938	2.214	2.232	2.421	2.262	2.290	2.226	7.15
83)	T	tert-Butylbenzene	2.340	2.609	2.608	2.842	2.703	2.647	2.625	6.27
84)	T	1,2,4-Trimethy...	2.330	2.749	2.772	3.039	2.858	2.786	2.756	8.47
85)	T	sec-Butylbenzene	3.092	3.493	3.553	3.813	3.671	3.584	3.534	6.89
86)	T	p-Isopropyltol...	2.598	3.016	3.111	3.376	3.260	3.178	3.090	8.76
87)	T	1,3-Dichlorobe...	1.340	1.499	1.475	1.675	1.528	1.510	1.504	7.14
88)	T	1,4-Dichlorobe...	1.290	1.485	1.473	1.605	1.502	1.489	1.474	6.94
89)	T	n-Butylbenzene	2.232	2.504	2.602	2.825	2.750	2.705	2.603	8.21
90)	T	Hexachloroethane	0.516	0.578	0.561	0.639	0.617	0.606	0.586	7.53
91)	T	1,2-Dichlorobe...	1.121	1.291	1.286	1.431	1.311	1.308	1.291	7.67
92)	T	1,2-Dibromo-3-...	0.075	0.080	0.079	0.096	0.080	0.090	0.083	9.31
93)	T	1,2,4-Trichlor...	0.563	0.667	0.713	0.882	0.866	0.908	0.767	18.23
94)	T	Hexachlorobuta...	0.466	0.530	0.561	0.628	0.622	0.618	0.571	11.31
95)	T	Naphthalene	0.888	0.990	1.131	1.528	1.369	1.527	1.239	22.27
96)	T	1,2,3-Trichlor...	0.465	0.545	0.607	0.747	0.721	0.760	0.641	18.83

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.725	168	114649	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	164576	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134316	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	63466	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 50 - 163		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 54 - 147		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 58 - 134		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 29 - 146		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.879	85	3877	4.389	ug/l		96
3) Chloromethane	2.080	50	1435	3.988	ug/l		92
4) Vinyl Chloride	2.220	62	1872	4.267	ug/l	#	88
5) Bromomethane	2.616	94	1271	4.103	ug/l		96
6) Chloroethane	2.751	64	1116	4.185	ug/l	#	82
7) Trichlorofluoromethane	3.080	101	6842	4.337	ug/l		94
8) Diethyl Ether	3.470	74	1774	4.698	ug/l		86
9) 1,1,2-Trichlorotrifluo...	3.842	101	3626	4.209	ug/l		87
10) Methyl Iodide	4.025	142	3743	3.771	ug/l	#	87
11) Tert butyl alcohol	4.866	59	3274m	40.278	ug/l		
12) 1,1-Dichloroethene	3.817	96	3204	4.190	ug/l		85
13) Acrolein	3.677	56	651	30.335	ug/l	#	82
14) Allyl chloride	4.409	41	3677	4.101	ug/l	#	77
15) Acrylonitrile	5.085	53	2940	21.121	ug/l	#	80
16) Acetone	3.897	43	3356	28.936	ug/l		93
17) Carbon Disulfide	4.141	76	7498	3.933	ug/l		99
18) Methyl Acetate	4.415	43	1080	3.599	ug/l	#	87
19) Methyl tert-butyl Ether	5.134	73	8821	4.241	ug/l		95
20) Methylene Chloride	4.647	84	3715	4.807	ug/l	#	83
21) trans-1,2-Dichloroethene	5.146	96	3551	4.307	ug/l	#	80
22) Diisopropyl ether	6.043	45	7693	4.197	ug/l	#	77
23) Vinyl Acetate	5.982	43	22139	20.396	ug/l	#	87
24) 1,1-Dichloroethane	5.933	63	5733	4.195	ug/l	#	89
25) 2-Butanone	6.914	43	3974	24.392	ug/l	#	77
26) 2,2-Dichloropropane	6.908	77	8260	4.831	ug/l		91
27) cis-1,2-Dichloroethene	6.914	96	4456	4.538	ug/l		96
28) Bromochloromethane	7.268	49	1210	6.257	ug/l	#	51
29) Tetrahydrofuran	7.286	42	1992	20.802	ug/l	#	71
30) Chloroform	7.439	83	9018	5.021	ug/l		96
31) Cyclohexane	7.719	56	6636	5.539	ug/l	#	63
32) 1,1,1-Trichloroethane	7.640	97	8094	4.313	ug/l		96
36) 1,1-Dichloropropene	7.859	75	4978	4.238	ug/l		97
37) Ethyl Acetate	7.012	43	1815	4.728	ug/l	#	69
38) Carbon Tetrachloride	7.835	117	7766	4.086	ug/l		91
39) Methylcyclohexane	9.121	83	6337	4.244	ug/l		99
40) Benzene	8.091	78	14311	4.223	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.244	41	917	4.221 ug/l #	85
42) 1,2-Dichloroethane	8.170	62	4467	4.145 ug/l	98
43) Isopropyl Acetate	8.213	43	3082	3.863 ug/l #	86
44) Trichloroethene	8.877	130	4289	4.265 ug/l	93
45) 1,2-Dichloropropane	9.158	63	2724	4.091 ug/l	91
46) Dibromomethane	9.249	93	1946	4.234 ug/l	96
47) Bromodichloromethane	9.438	83	5373	4.121 ug/l	96
48) Methyl methacrylate	9.231	41	1480	3.913 ug/l #	89
49) 1,4-Dioxane	9.262	88	259	66.488 ug/l #	39
51) 4-Methyl-2-Pentanone	10.011	43	9070	22.757 ug/l	98
52) Toluene	10.182	92	9584	4.153 ug/l	97
53) t-1,3-Dichloropropene	10.408	75	4552	3.946 ug/l	92
54) cis-1,3-Dichloropropene	9.871	75	4997	3.931 ug/l	98
55) 1,1,2-Trichloroethane	10.578	97	2529	4.249 ug/l	87
56) Ethyl methacrylate	10.450	69	2795	3.682 ug/l	87
57) 1,3-Dichloropropane	10.731	76	3981	4.092 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.725	63	6120	21.573 ug/l #	79
59) 2-Hexanone	10.774	43	4717	18.580 ug/l	100
60) Dibromochloromethane	10.920	129	4012	4.222 ug/l	98
61) 1,2-Dibromoethane	11.030	107	2170	3.889 ug/l	98
64) Tetrachloroethene	10.658	164	3679	4.124 ug/l	89
65) Chlorobenzene	11.456	112	10890	4.339 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.523	131	4311	4.398 ug/l	96
67) Ethyl Benzene	11.529	91	18768	4.168 ug/l	96
68) m/p-Xylenes	11.639	106	14272	8.311 ug/l	100
69) o-Xylene	11.968	106	6616	4.102 ug/l	98
70) Styrene	11.981	104	11050	4.073 ug/l	98
71) Bromoform	12.145	173	2411	4.295 ug/l #	94
73) Isopropylbenzene	12.267	105	18930	4.385 ug/l	98
74) N-amyl acetate	12.078	43	2293	3.780 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.517	83	2450	4.410 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	1934m	4.649 ug/l	
77) Bromobenzene	12.541	156	4234	4.307 ug/l	89
78) n-propylbenzene	12.602	91	21465	4.410 ug/l	97
79) 2-Chlorotoluene	12.688	91	12202	4.404 ug/l	96
80) 1,3,5-Trimethylbenzene	12.749	105	15597	4.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	810	4.023 ug/l	88
82) 4-Chlorotoluene	12.785	91	12300	4.353 ug/l	99
83) tert-Butylbenzene	13.011	119	14849	4.457 ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	14790	4.228 ug/l	99
85) sec-Butylbenzene	13.188	105	19621	4.374 ug/l	94
86) p-Isopropyltoluene	13.304	119	16486	4.204 ug/l	98
87) 1,3-Dichlorobenzene	13.297	146	8502	4.452 ug/l	97
88) 1,4-Dichlorobenzene	13.377	146	8186	4.375 ug/l	89
89) n-Butylbenzene	13.627	91	14168	4.288 ug/l	93
90) Hexachloroethane	13.889	117	3276	4.403 ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	7116	4.342 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	478	4.516 ug/l	91
93) 1,2,4-Trichlorobenzene	14.937	180	3572	3.671 ug/l	95
94) Hexachlorobutadiene	15.035	225	2958	4.083 ug/l	97
95) Naphthalene	15.157	128	5634	6.410 ug/l	97
96) 1,2,3-Trichlorobenzene	15.346	180	2952	3.629 ug/l	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 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

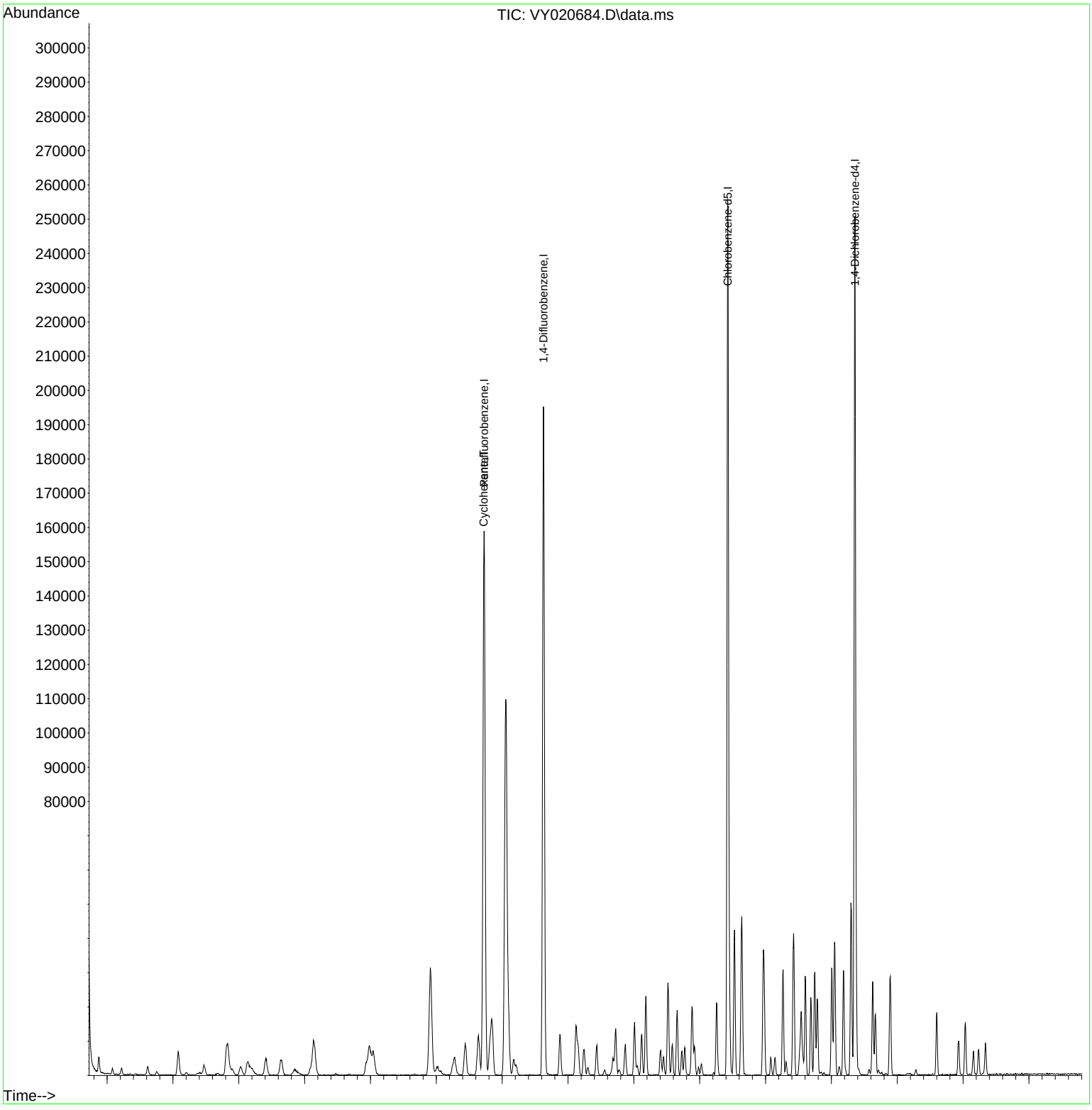
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

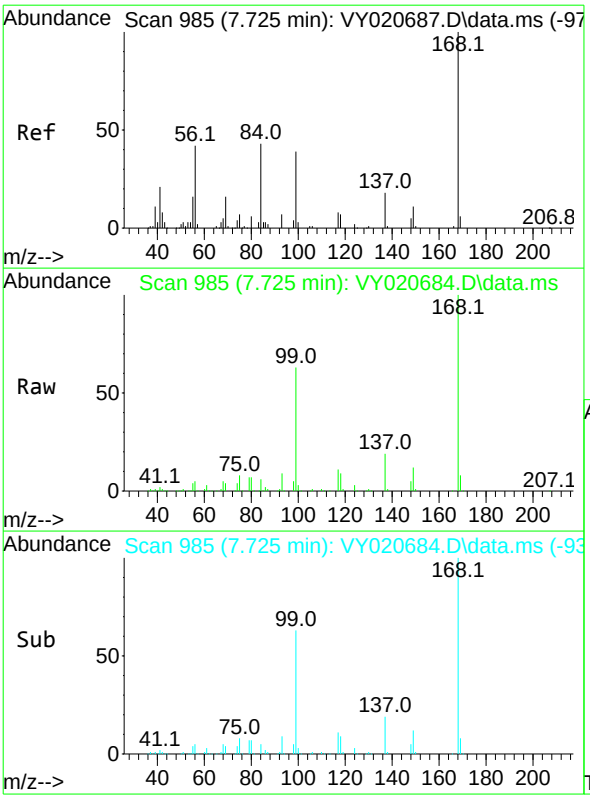
Quant Time: Dec 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

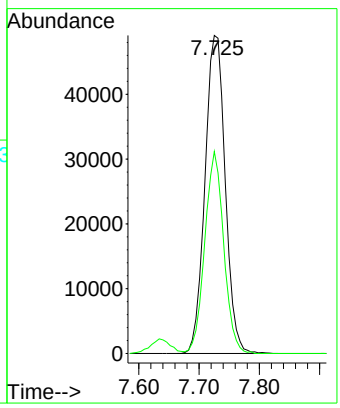




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:168 Resp: 114649

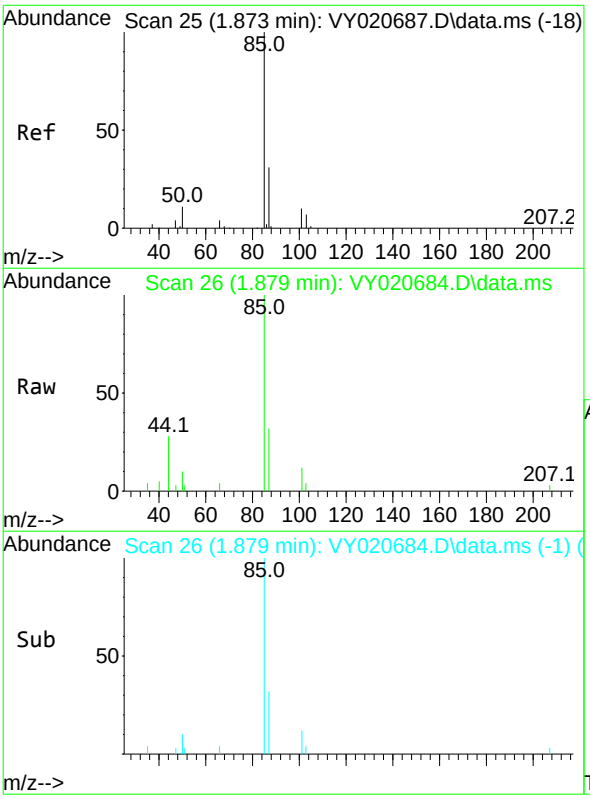
Ion	Ratio	Lower	Upper
168	100		
99	63.5	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

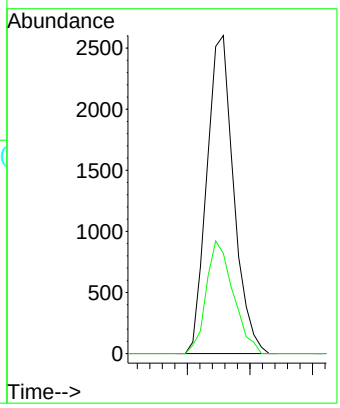
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

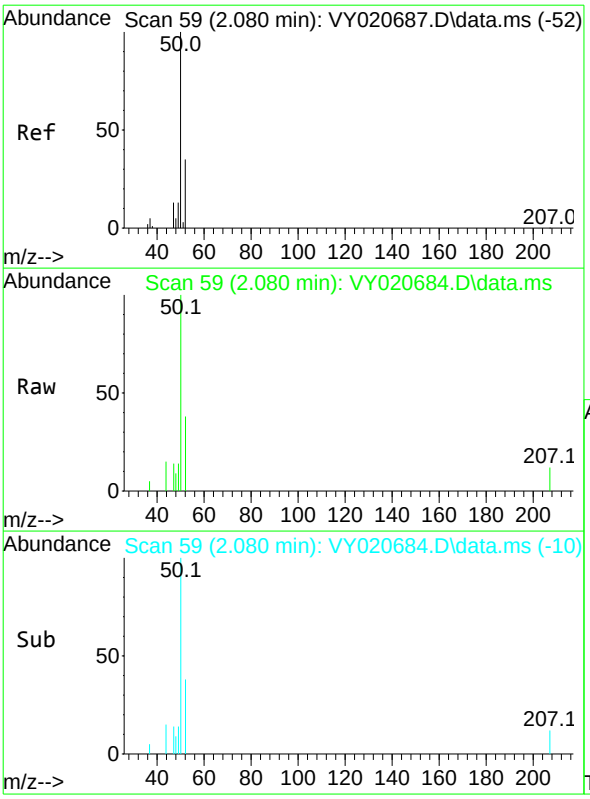


#2
Dichlorodifluoromethane
Concen: 4.389 ug/l
RT: 1.879 min Scan# 26
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 85 Resp: 3877

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.8	50.3

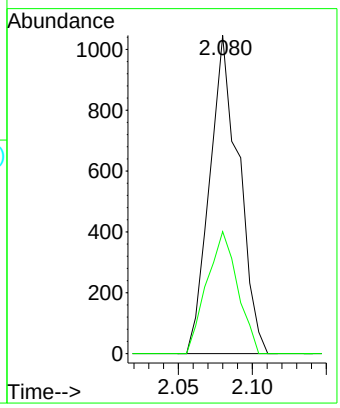




#3
Chloromethane
Concen: 3.988 ug/l
RT: 2.080 min Scan# 59
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 50 Resp: 1435

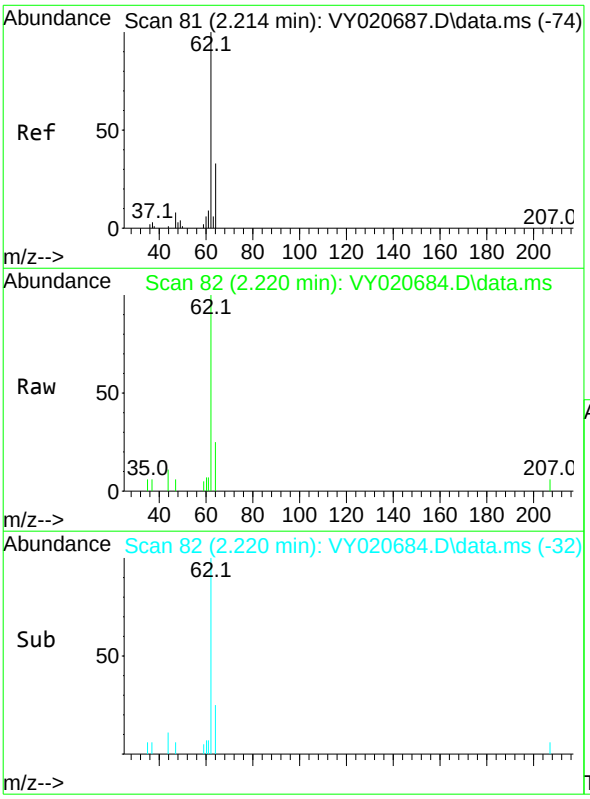
Ion	Ratio	Lower	Upper
50	100		
52	38.3	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

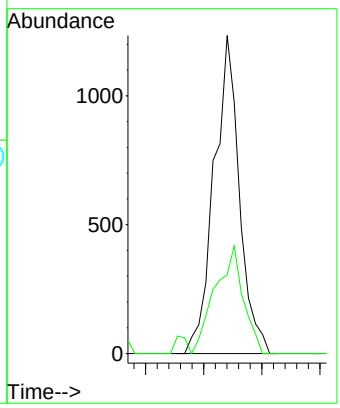
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

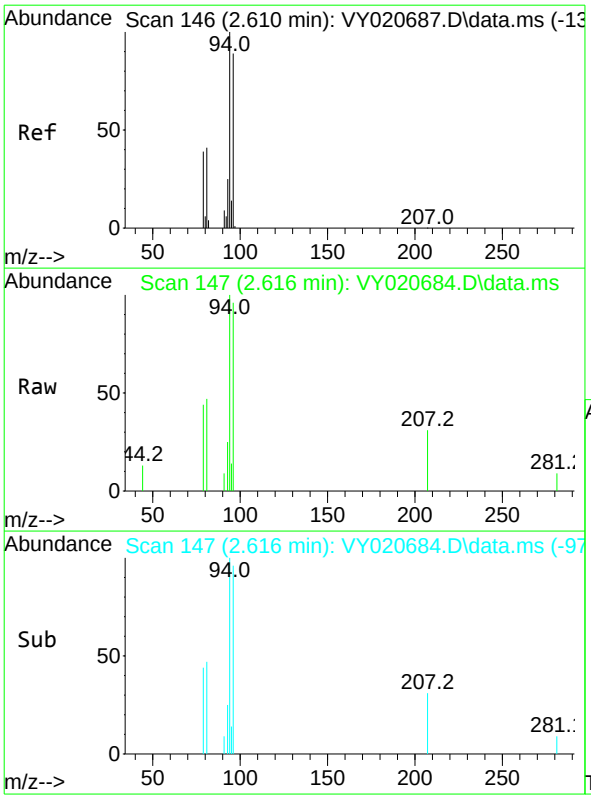


#4
Vinyl Chloride
Concen: 4.267 ug/l
RT: 2.220 min Scan# 82
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 62 Resp: 1872

Ion	Ratio	Lower	Upper
62	100		
64	24.8	25.3	37.9#

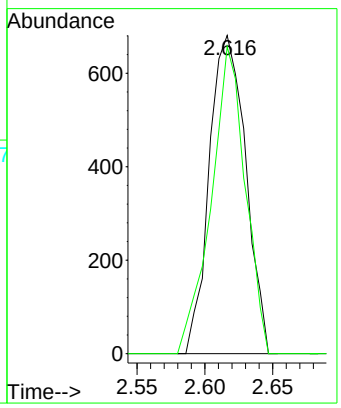




#5
Bromomethane
Concen: 4.103 ug/l
RT: 2.616 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 94 Resp: 1271

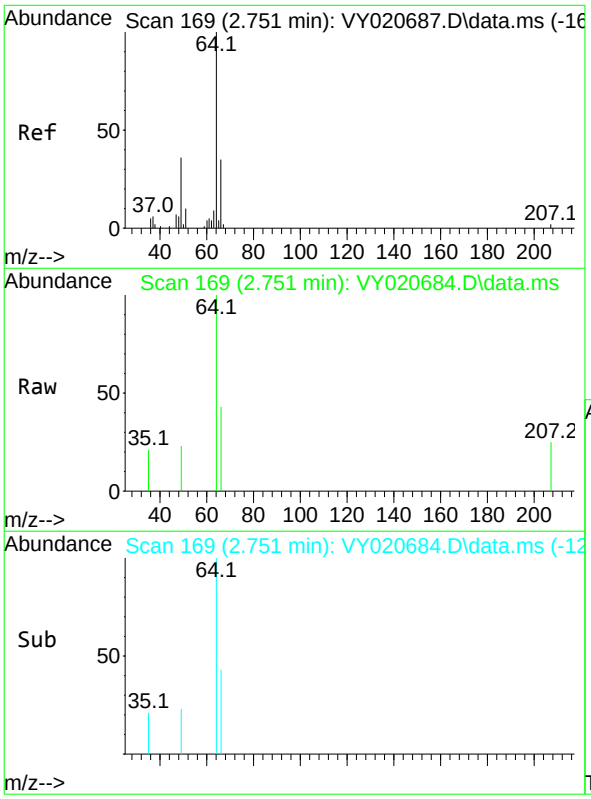
Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

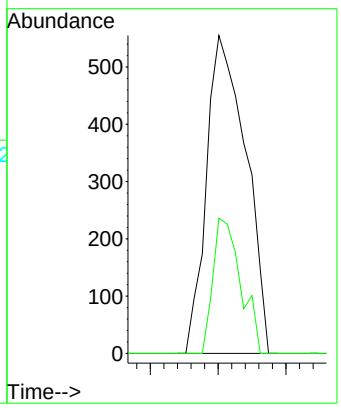
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

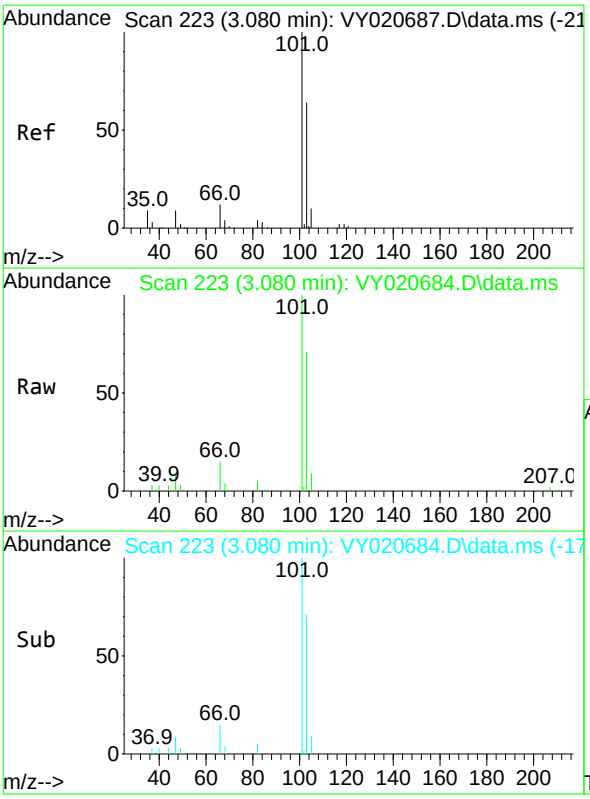


#6
Chloroethane
Concen: 4.185 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 64 Resp: 1116

Ion	Ratio	Lower	Upper
64	100		
66	42.5	25.8	38.6#

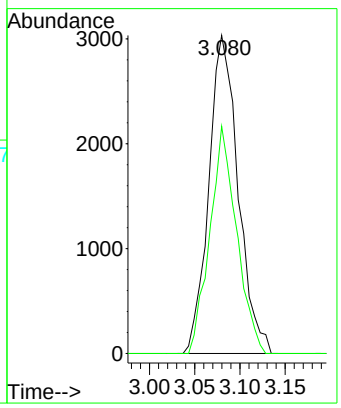




#7
Trichlorofluoromethane
Concen: 4.337 ug/l
RT: 3.080 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:101 Resp: 6842

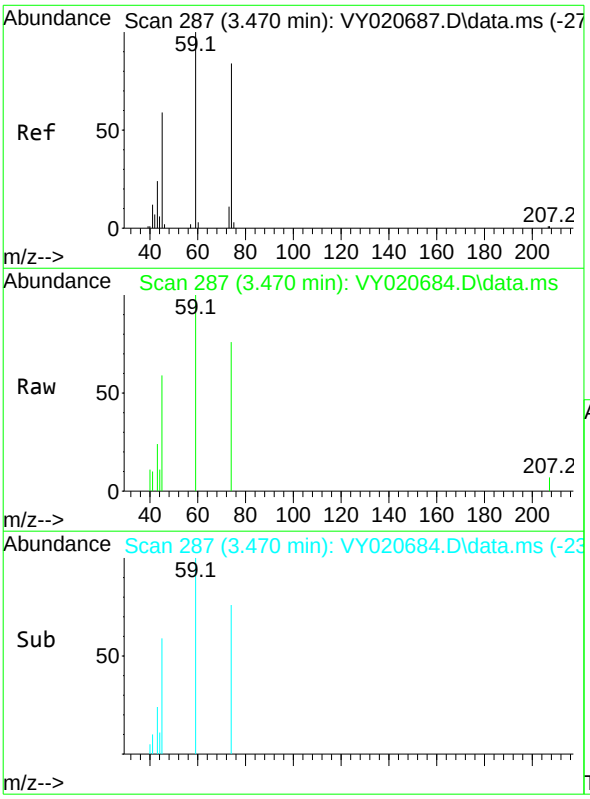
Ion	Ratio	Lower	Upper
101	100		
103	71.4	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

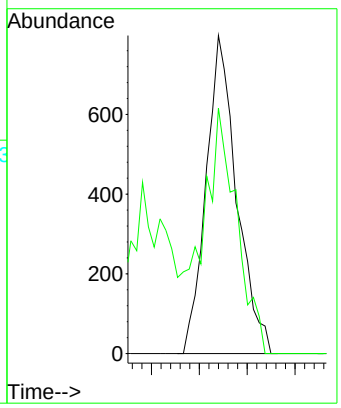
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

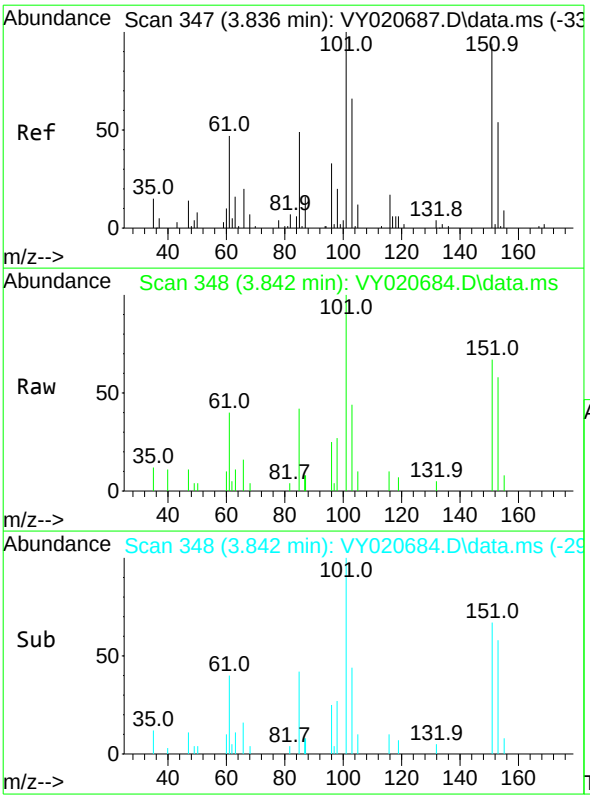


#8
Diethyl Ether
Concen: 4.698 ug/l
RT: 3.470 min Scan# 287
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 74 Resp: 1774

Ion	Ratio	Lower	Upper
74	100		
45	83.9	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.209 ug/l
RT: 3.842 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

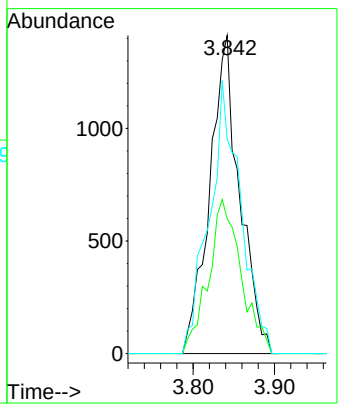
Tgt Ion:101 Resp: 3626

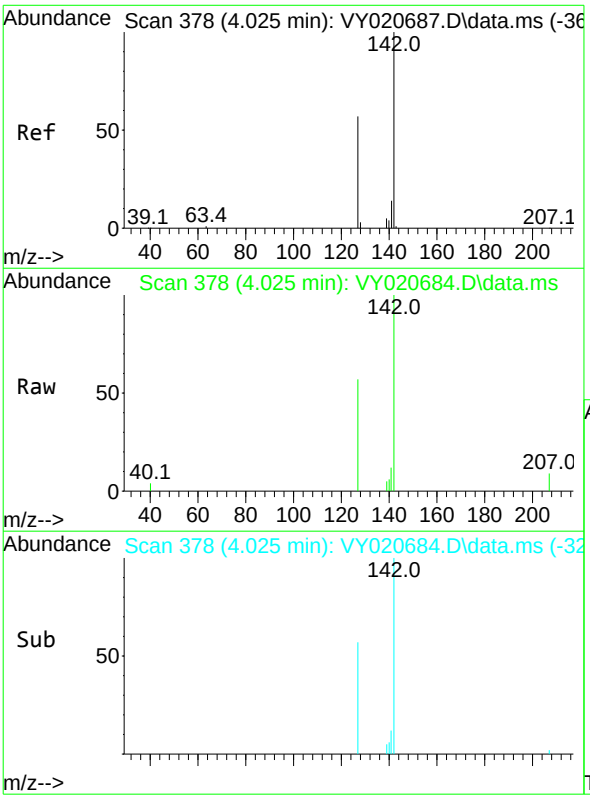
Ion	Ratio	Lower	Upper
101	100		
85	52.7	36.6	54.8
151	90.0	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

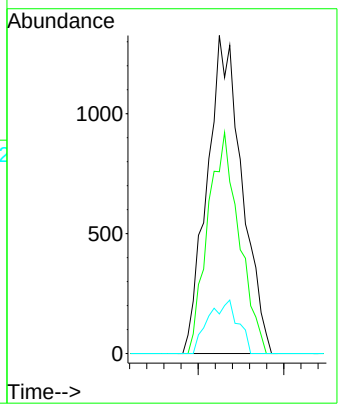


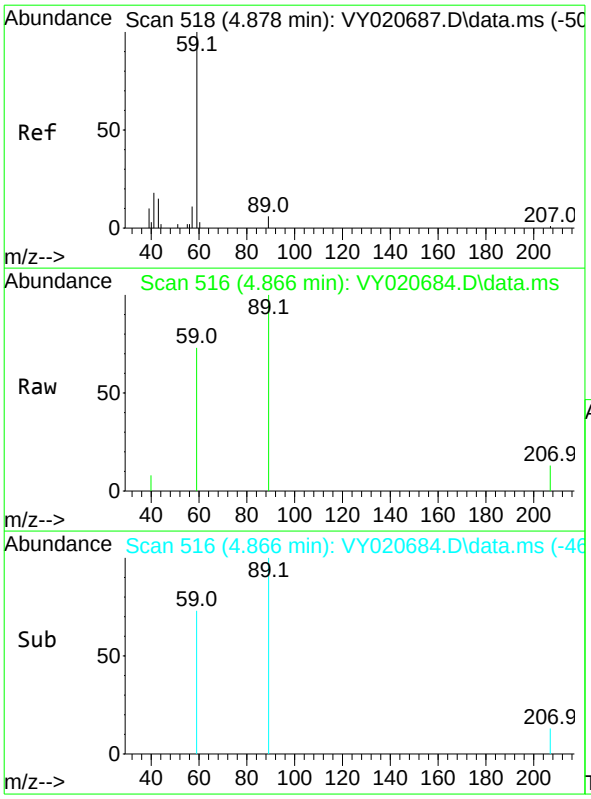


#10
Methyl Iodide
Concen: 3.771 ug/l
RT: 4.025 min Scan# 378
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:142 Resp: 3743

Ion	Ratio	Lower	Upper
142	100		
127	62.5	40.6	61.0#
141	14.3	11.7	17.5





#11
Tert butyl alcohol
Concen: 40.278 ug/l m
RT: 4.866 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

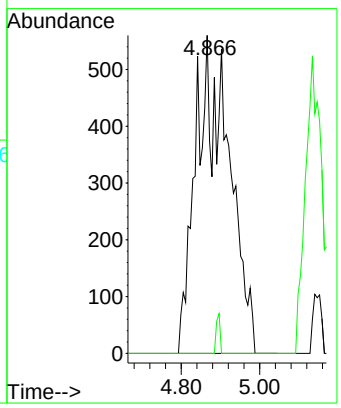
Tgt Ion: 59 Resp: 3274

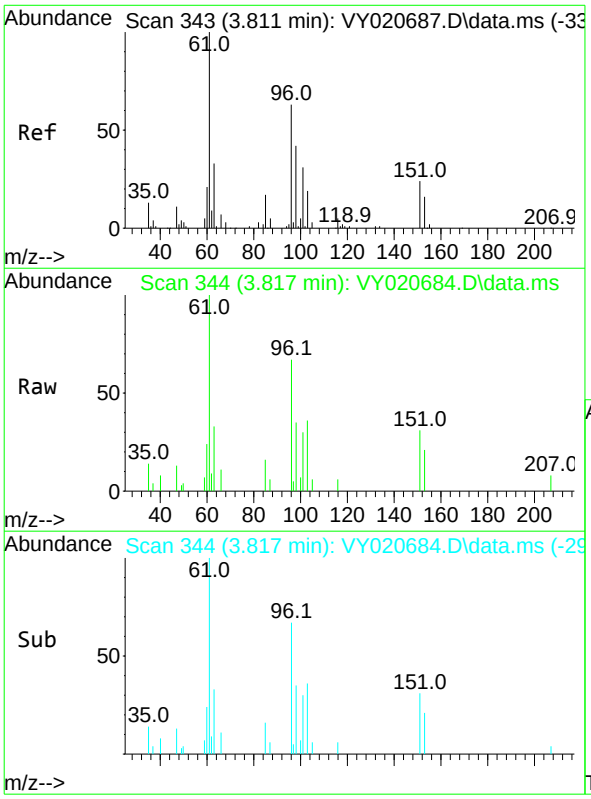
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

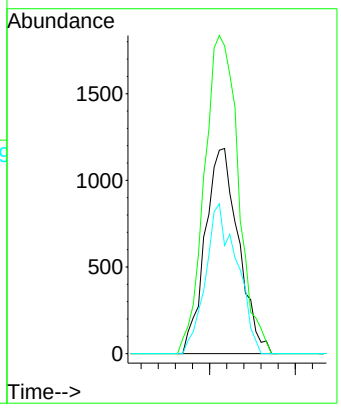


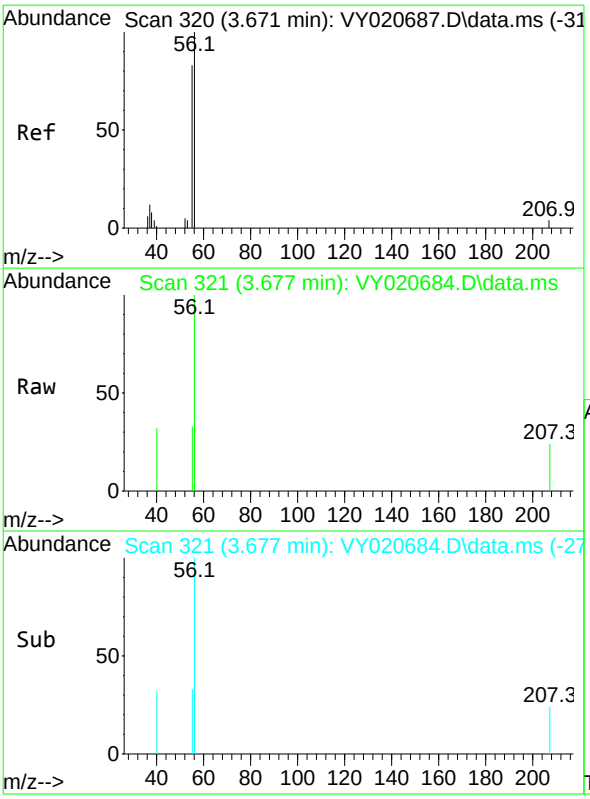


#12
1,1-Dichloroethene
Concen: 4.190 ug/l
RT: 3.817 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 96 Resp: 3204

Ion	Ratio	Lower	Upper
96	100		
61	150.1	136.9	205.3
98	52.7	50.2	75.4

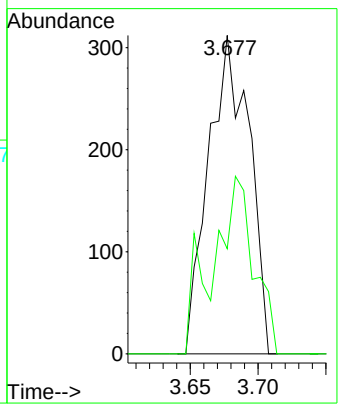




#13
Acrolein
Concen: 30.335 ug/l
RT: 3.677 min Scan# 32
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 56 Resp: 651

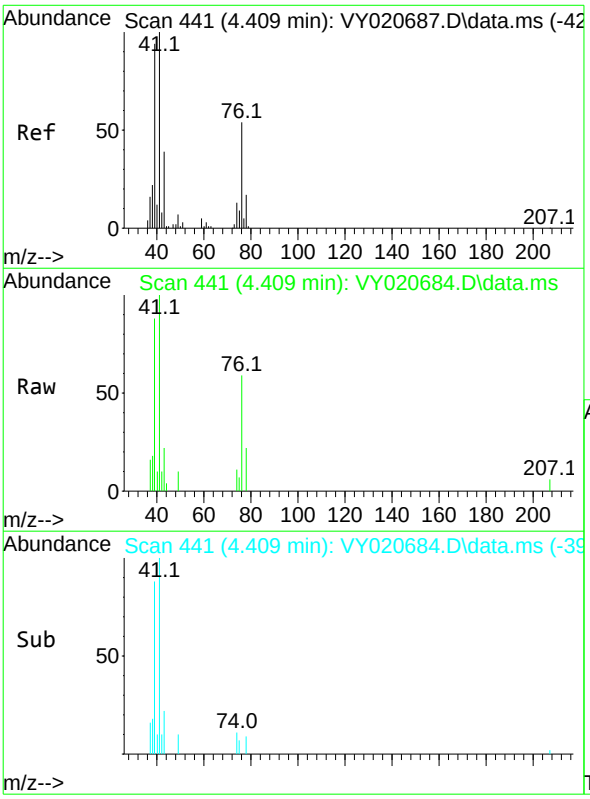
Ion	Ratio	Lower	Upper
56	100		
55	56.5	57.5	86.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

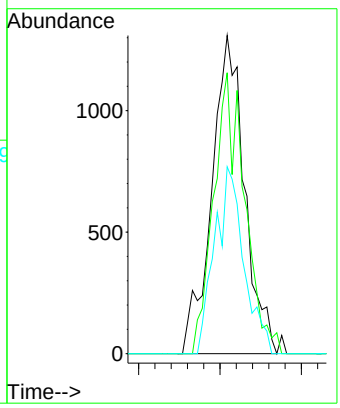
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

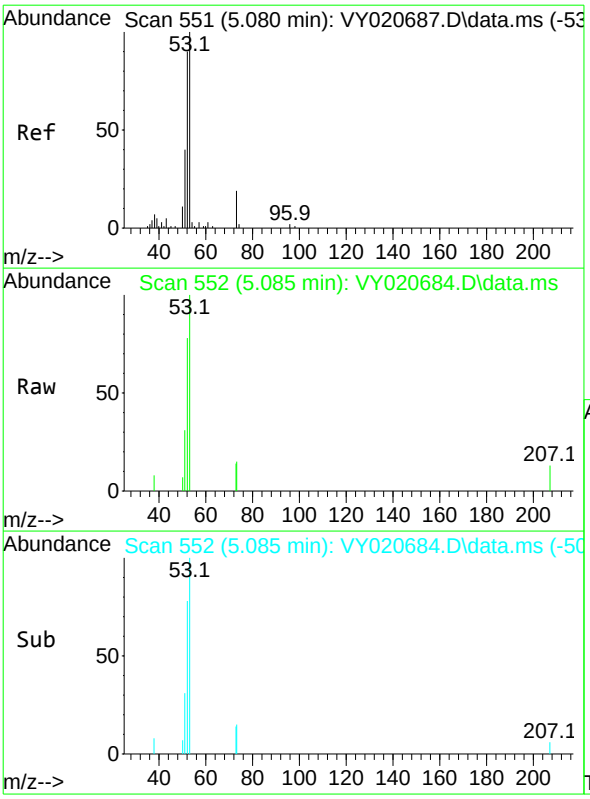


#14
Allyl chloride
Concen: 4.101 ug/l
RT: 4.409 min Scan# 441
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 3677

Ion	Ratio	Lower	Upper
41	100		
39	83.3	53.0	79.4#
76	51.7	29.5	44.3#

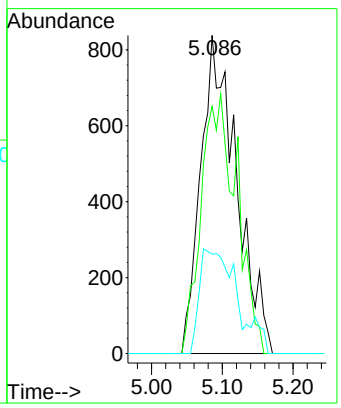




#15
Acrylonitrile
Concen: 21.121 ug/l
RT: 5.085 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 53 Resp: 2940

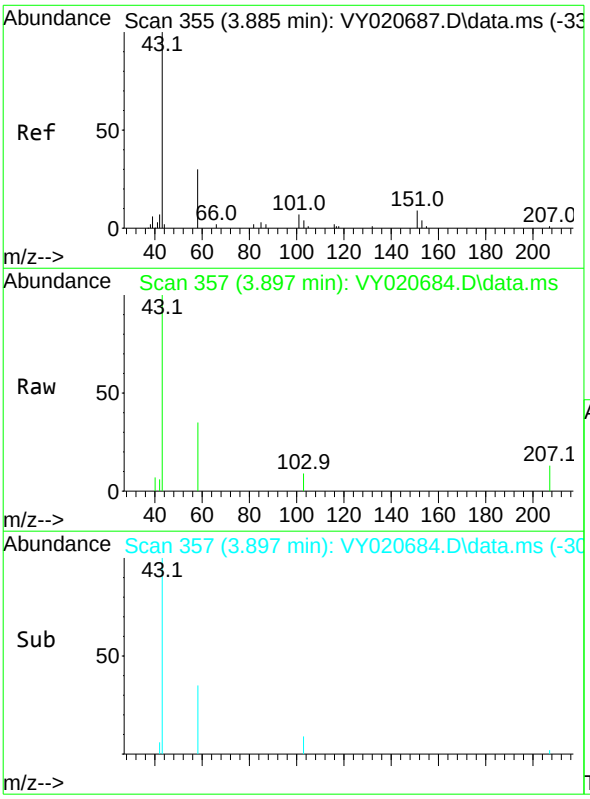
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	0.0	29.4	44.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

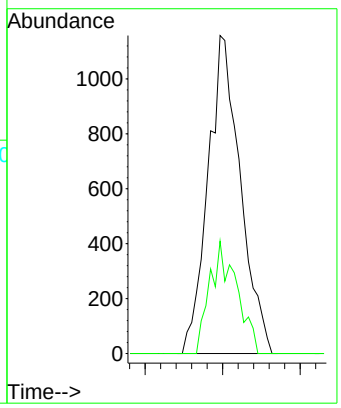
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

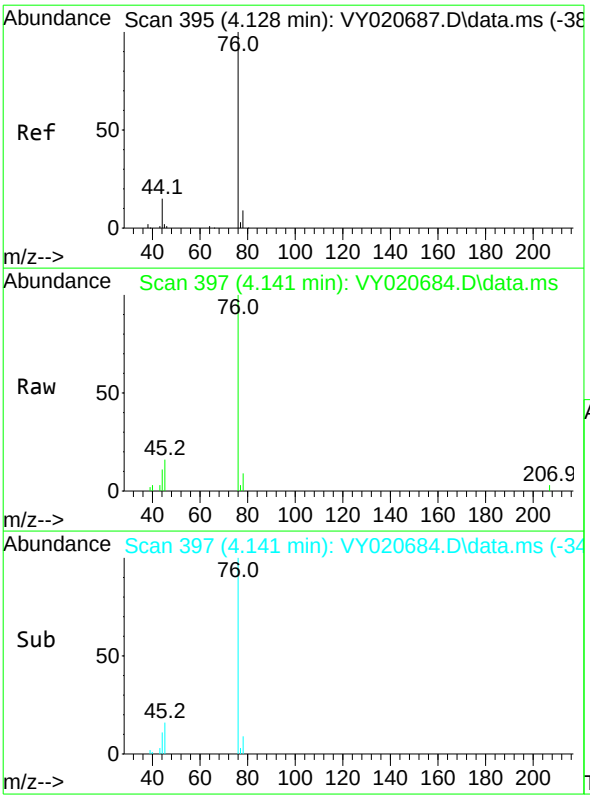


#16
Acetone
Concen: 28.936 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 3356

Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.0	37.6

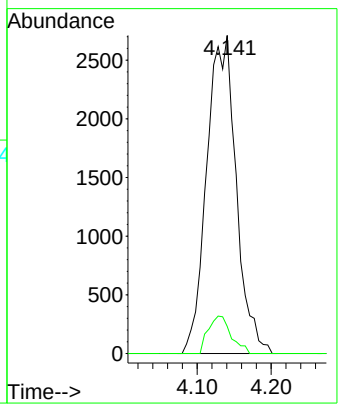




#17
Carbon Disulfide
Concen: 3.933 ug/l
RT: 4.141 min Scan# 39
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 76 Resp: 7498

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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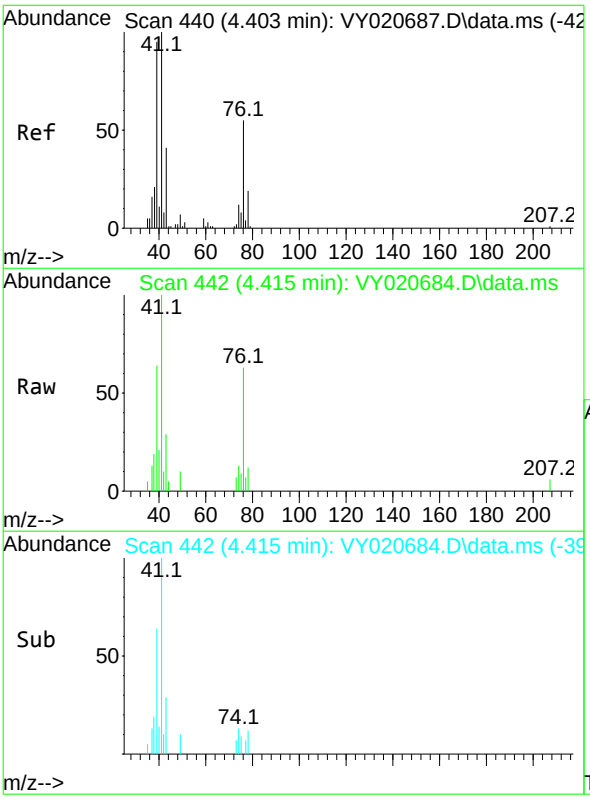
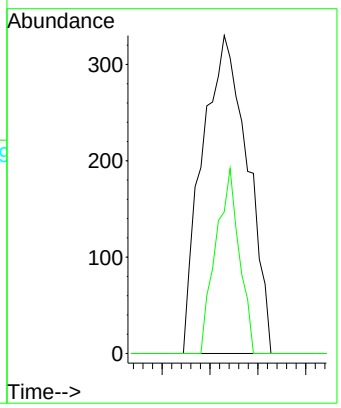
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

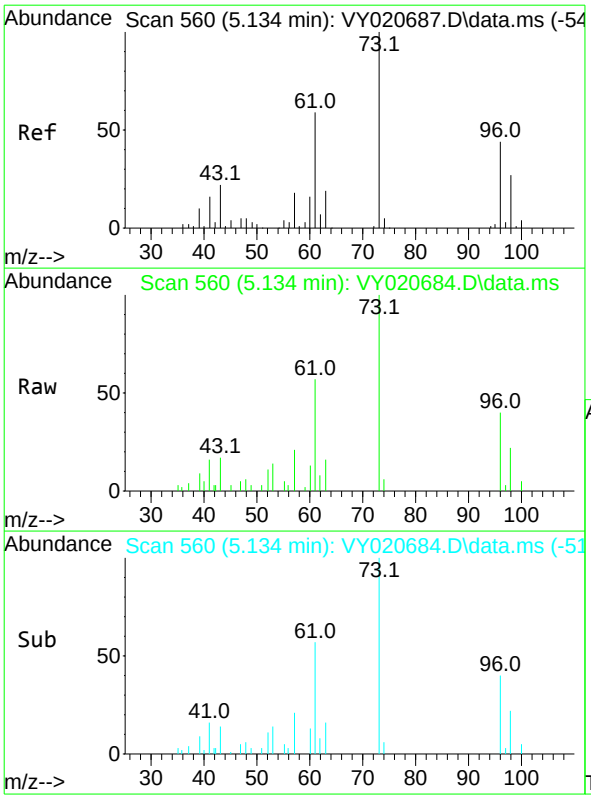


#18
Methyl Acetate
Concen: 3.599 ug/l
RT: 4.415 min Scan# 442
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 1080

Ion	Ratio	Lower	Upper
43	100		
74	30.3	19.2	28.8#

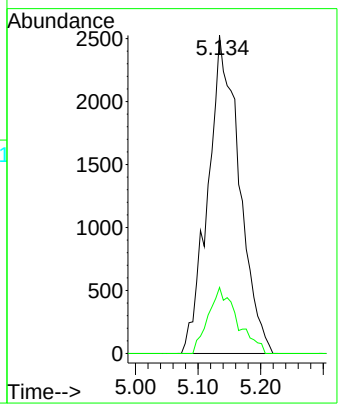




#19
Methyl tert-butyl Ether
Concen: 4.241 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 73 Resp: 8821

Ion	Ratio	Lower	Upper
73	100		
57	20.8	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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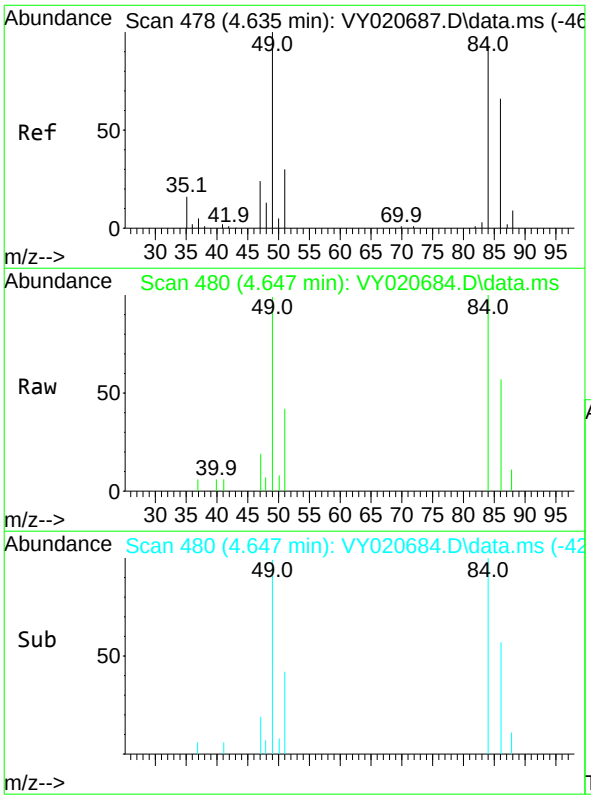
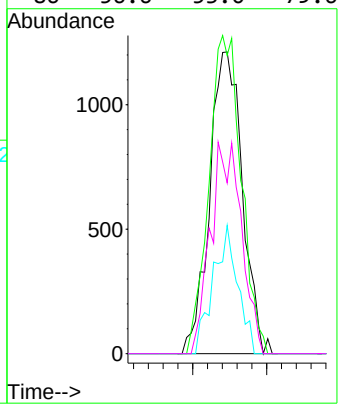
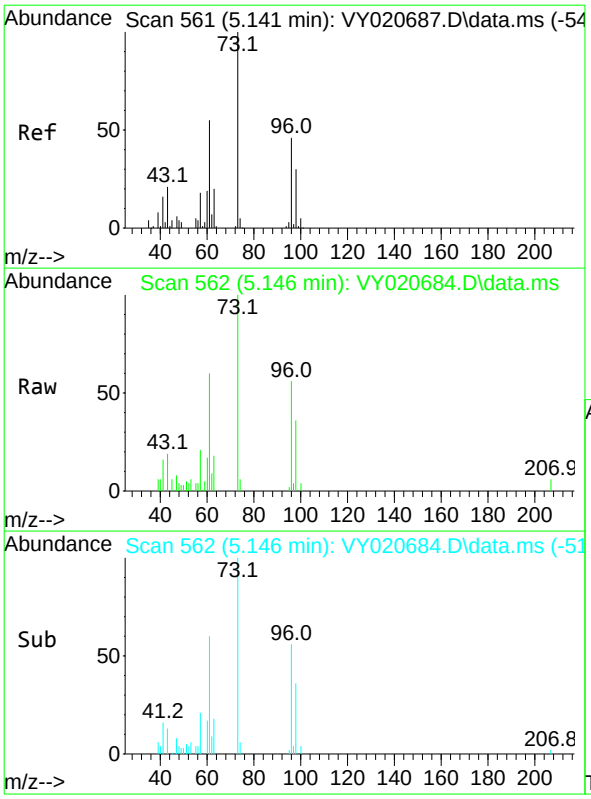


#20
Methylene Chloride
Concen: 4.807 ug/l
RT: 4.647 min Scan# 480
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 84 Resp: 3715

Ion	Ratio	Lower	Upper
84	100		
49	98.8	100.7	151.1#
51	42.5	32.2	48.2
86	56.6	53.0	79.6

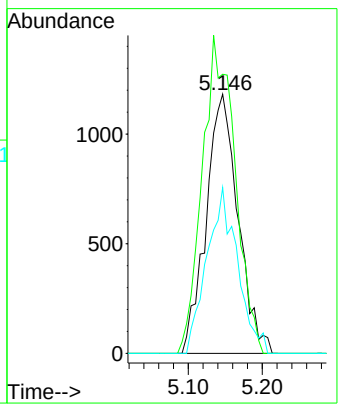




#21
trans-1,2-Dichloroethene
Concen: 4.307 ug/l
RT: 5.146 min Scan# 56
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 96 Resp: 3551

Ion	Ratio	Lower	Upper
96	100		
61	107.7	113.7	170.5#
98	64.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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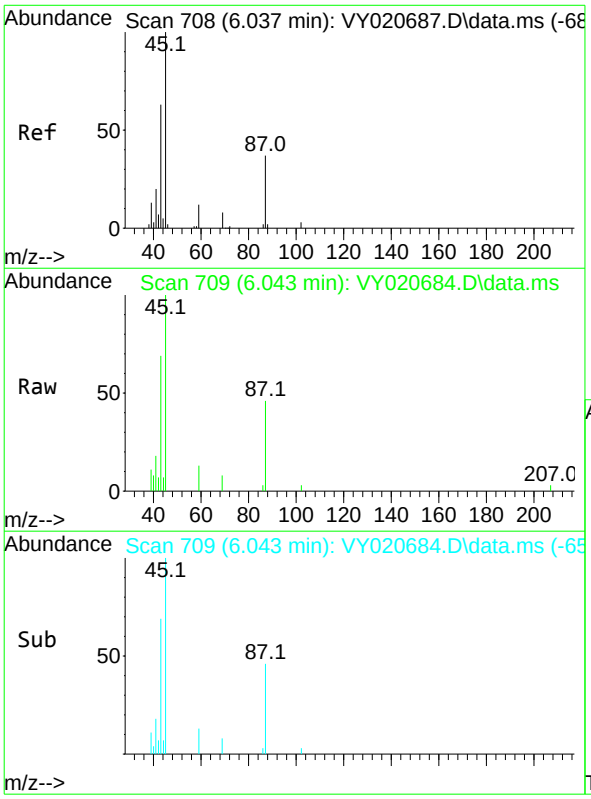
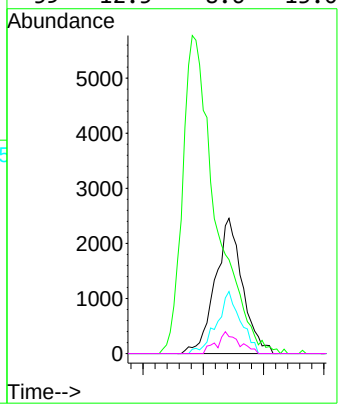
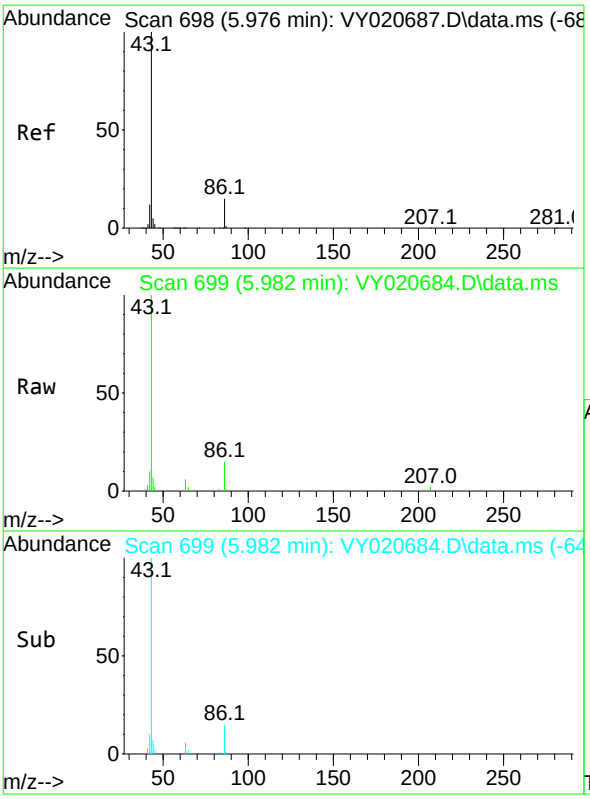


#22
Diisopropyl ether
Concen: 4.197 ug/l
RT: 6.043 min Scan# 709
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 45 Resp: 7693

Ion	Ratio	Lower	Upper
45	100		
43	66.0	42.6	64.0#
87	45.9	20.6	31.0#
59	12.5	8.6	13.0

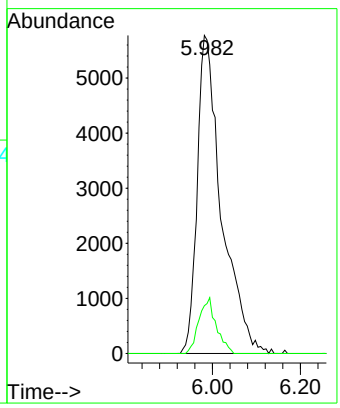




#23
Vinyl Acetate
Concen: 20.396 ug/l
RT: 5.982 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 22139

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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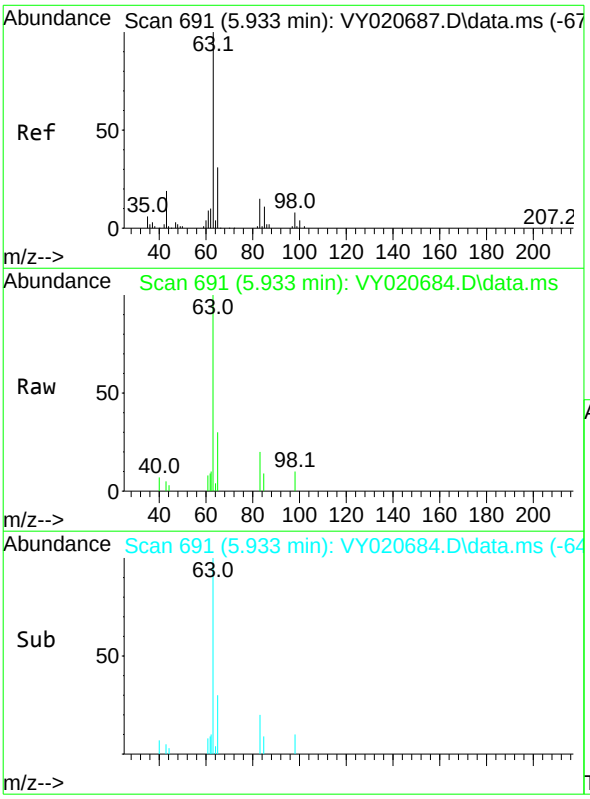
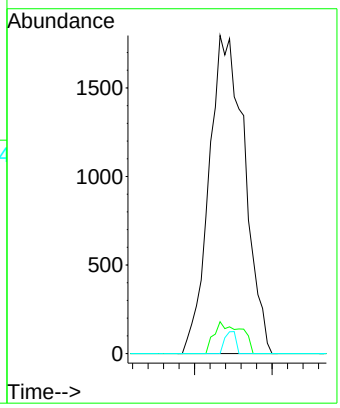
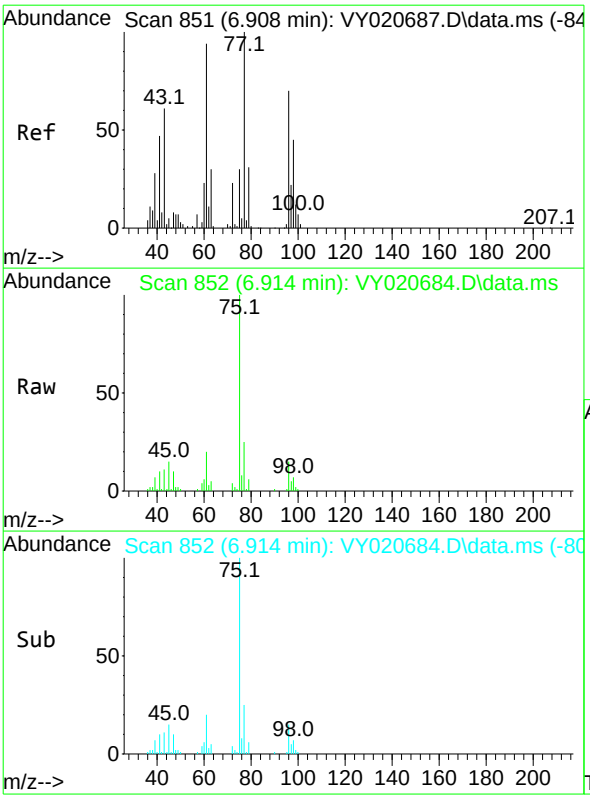


#24
1,1-Dichloroethane
Concen: 4.195 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 5733

Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.4	10.1
100	0.0	2.1	6.5#

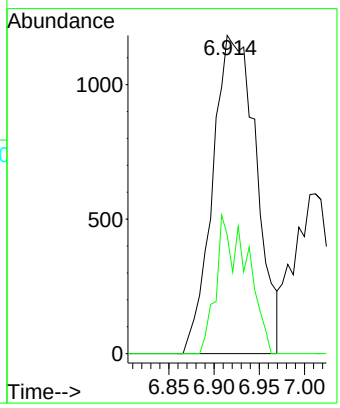




#25
2-Butanone
Concen: 24.392 ug/l
RT: 6.914 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 3974

Ion	Ratio	Lower	Upper
43	100		
72	37.3	20.6	31.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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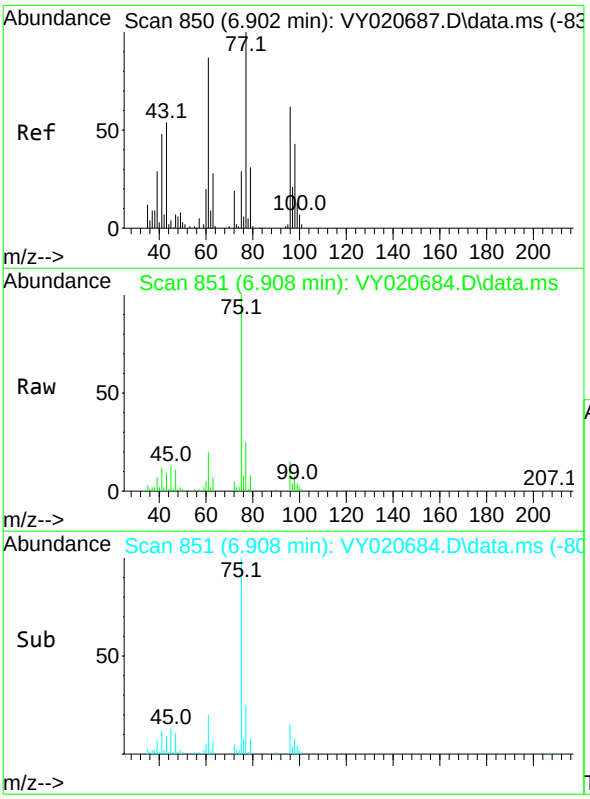
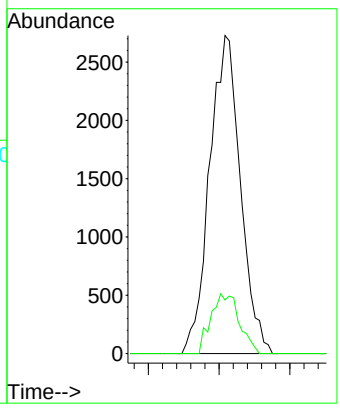
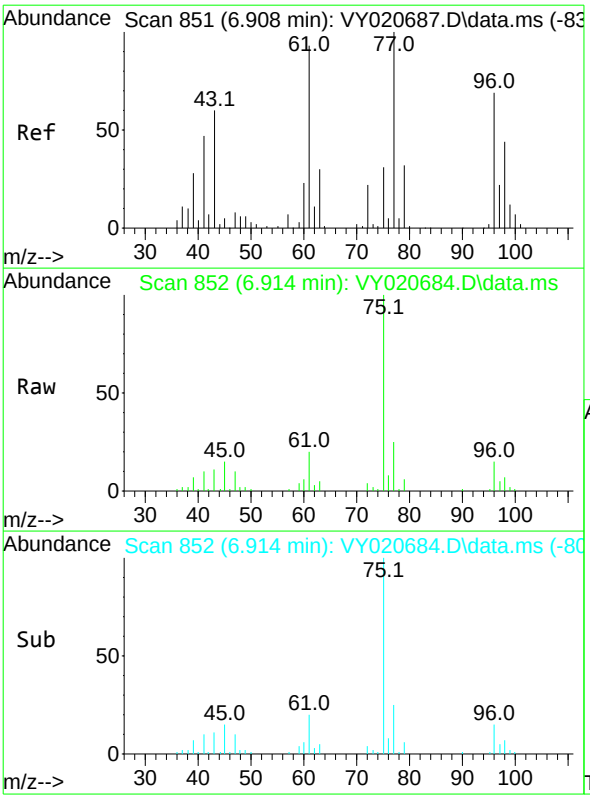


#26
2,2-Dichloropropane
Concen: 4.831 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 77 Resp: 8260

Ion	Ratio	Lower	Upper
77	100		
97	17.3	10.9	32.6

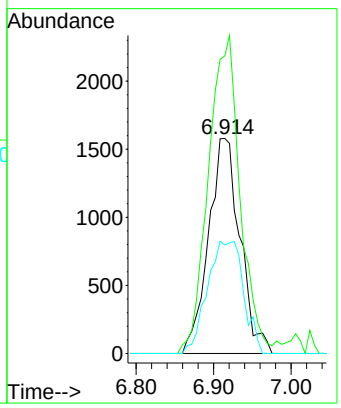




#27
cis-1,2-Dichloroethene
Concen: 4.538 ug/l
RT: 6.914 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 96 Resp: 4456

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	306.2
98	59.9	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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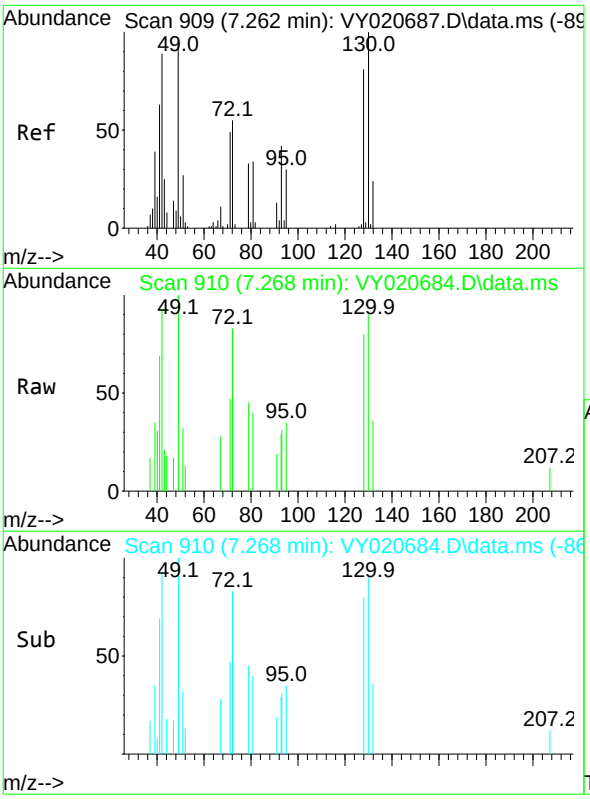
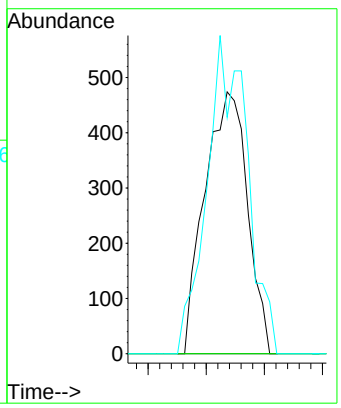
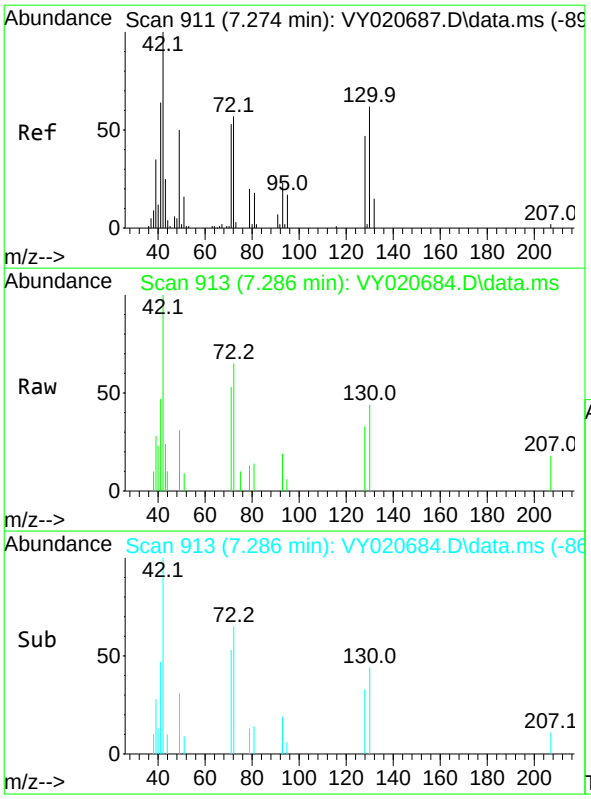


#28
Bromochloromethane
Concen: 6.257 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 49 Resp: 1210

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	114.7	58.3	87.5#





#29
Tetrahydrofuran
Concen: 20.802 ug/l
RT: 7.286 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 42 Resp: 1992

Ion	Ratio	Lower	Upper
42	100		
72	64.0	34.0	51.0#
71	54.4	31.6	47.4#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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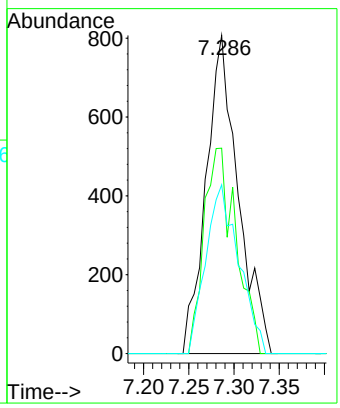
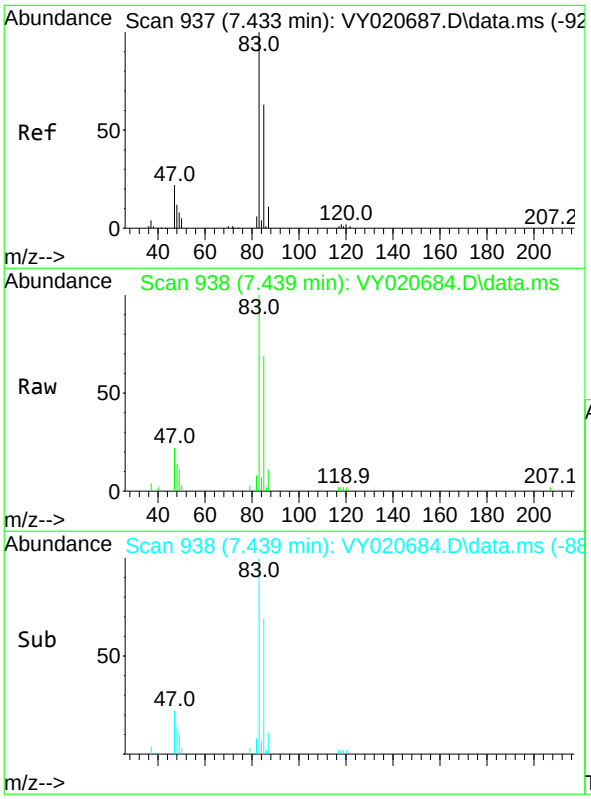
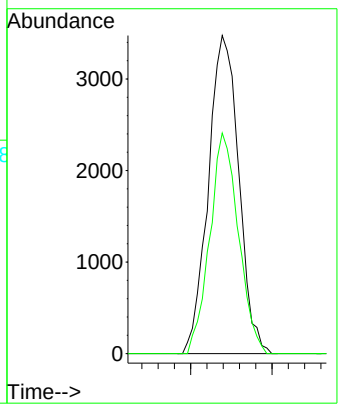


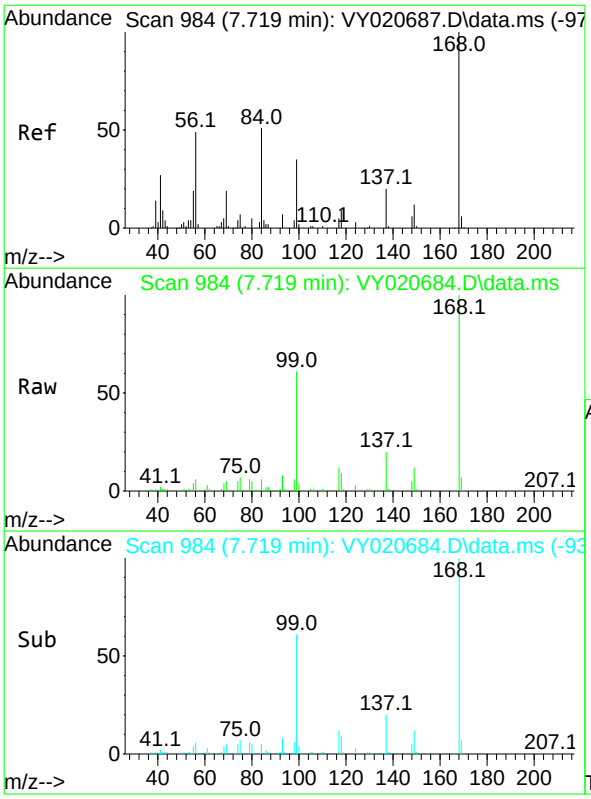


#30
Chloroform
Concen: 5.021 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 9018

Ion	Ratio	Lower	Upper
83	100		
85	69.4	52.7	79.1

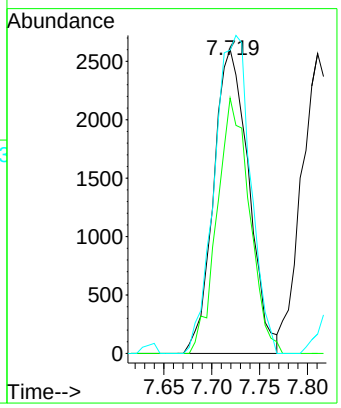




#31
Cyclohexane
Concen: 5.539 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 56 Resp: 6636

Ion	Ratio	Lower	Upper
56	100		
69	83.9	25.4	38.0#
84	99.7	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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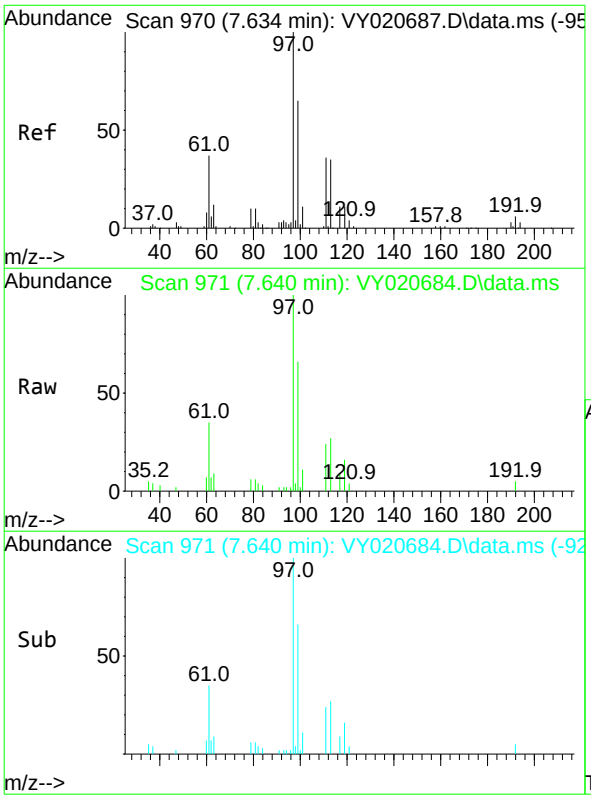
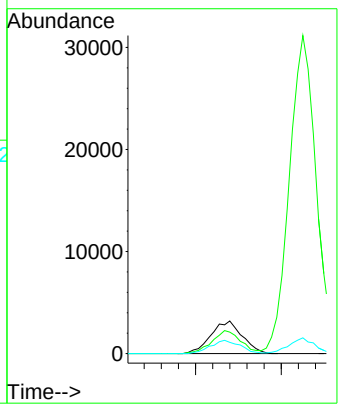
Supervised By :Mahesh Dadoda 12/26/2024

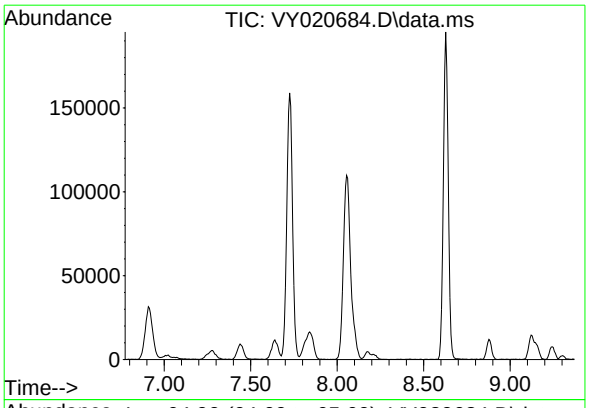


#32
1,1,1-Trichloroethane
Concen: 4.313 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 97 Resp: 8094

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	39.0	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.07 min

Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	54.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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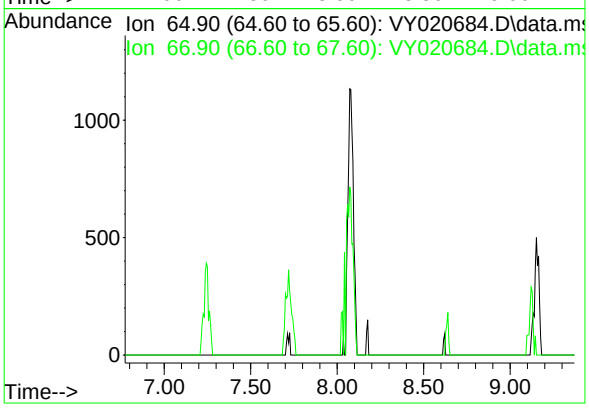
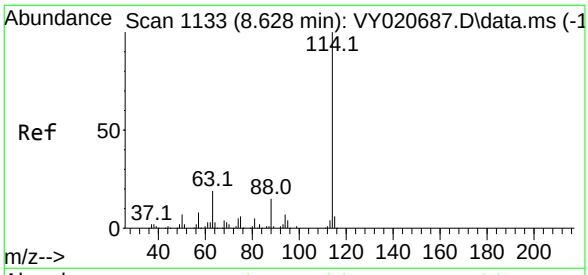
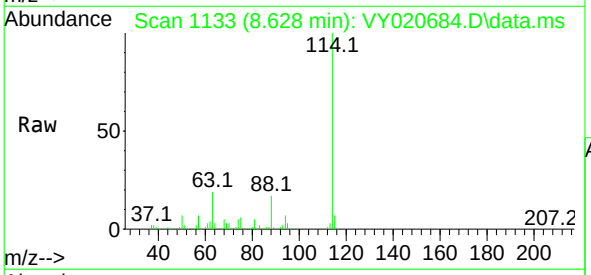
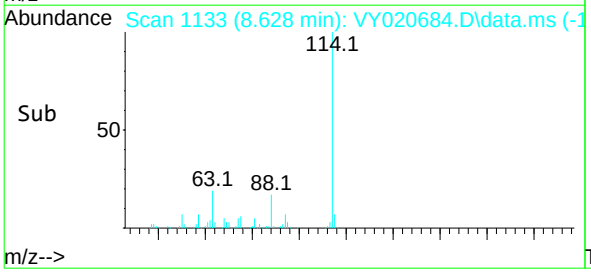




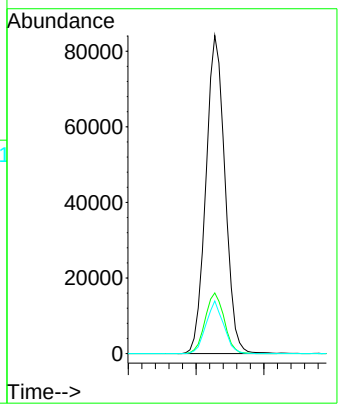


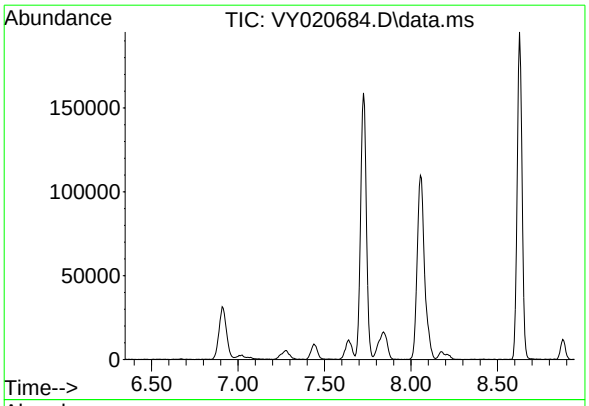


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:114 Resp: 164576

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	44.0
88	16.5	0.0	32.8





#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.65 min

Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

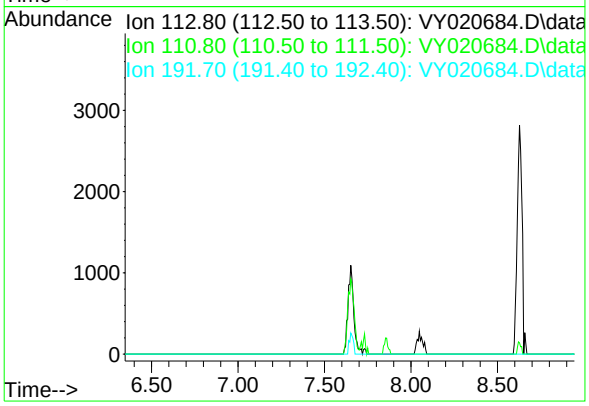
Tgt Ion: 113

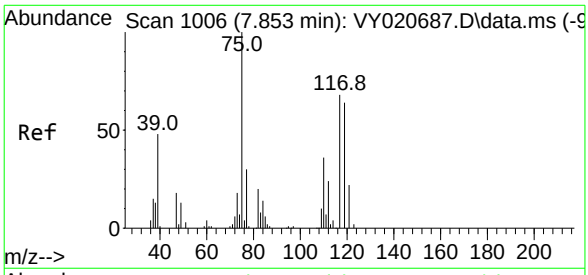
Sig	Exp Ratio
113	100
111	103.6
192	19.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

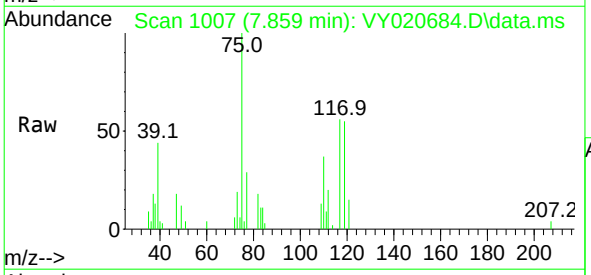


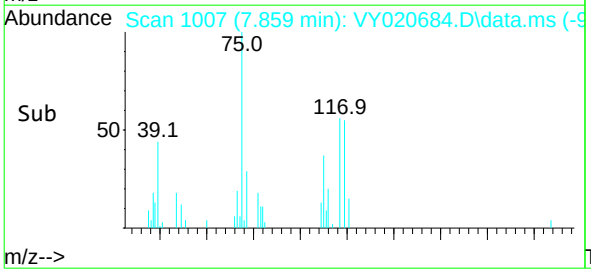


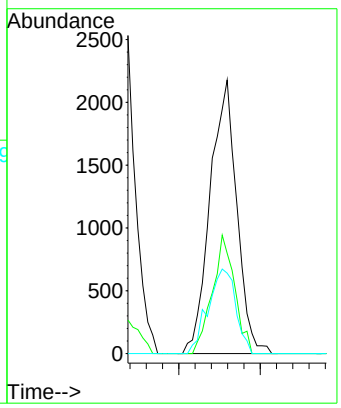
#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 7.859 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

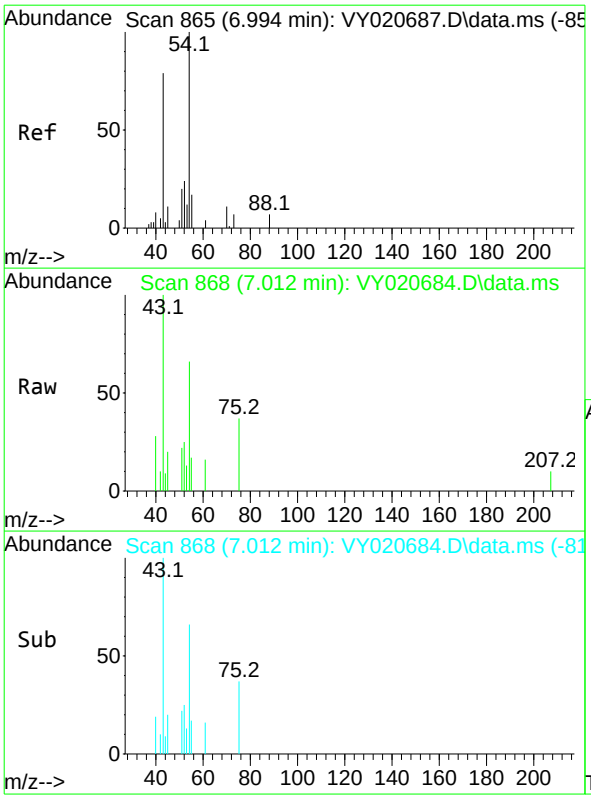
Tgt Ion: 75 Resp: 4978

Ion	Ratio	Lower	Upper
75	100		
110	36.2	16.8	50.4
77	31.8	25.0	37.6





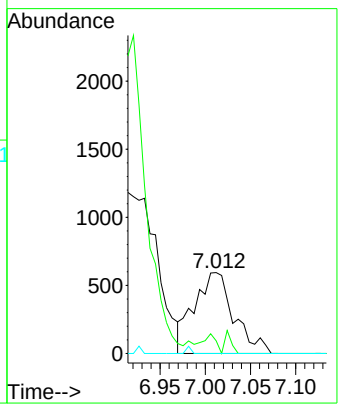




#37
Ethyl Acetate
Concen: 4.728 ug/l
RT: 7.012 min Scan# 86
Delta R.T. 0.018 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 1815

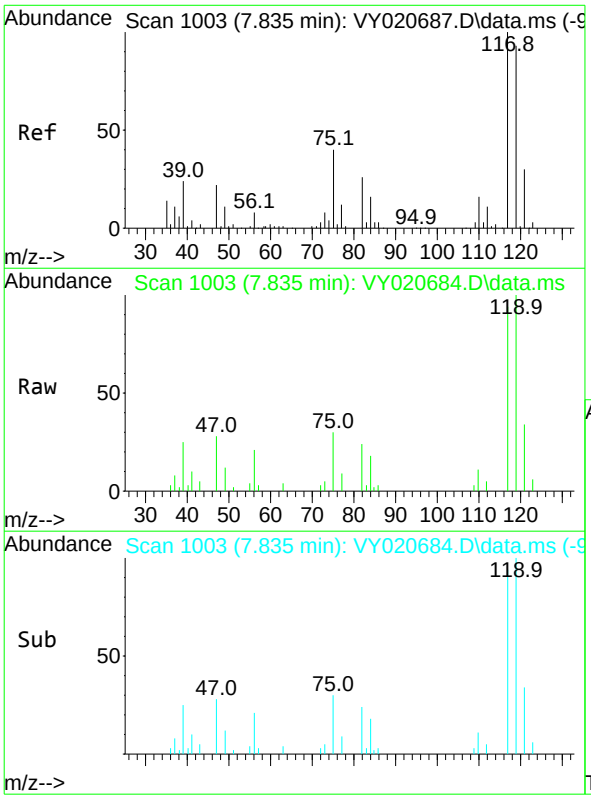
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

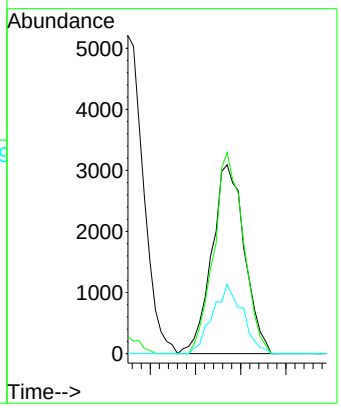
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

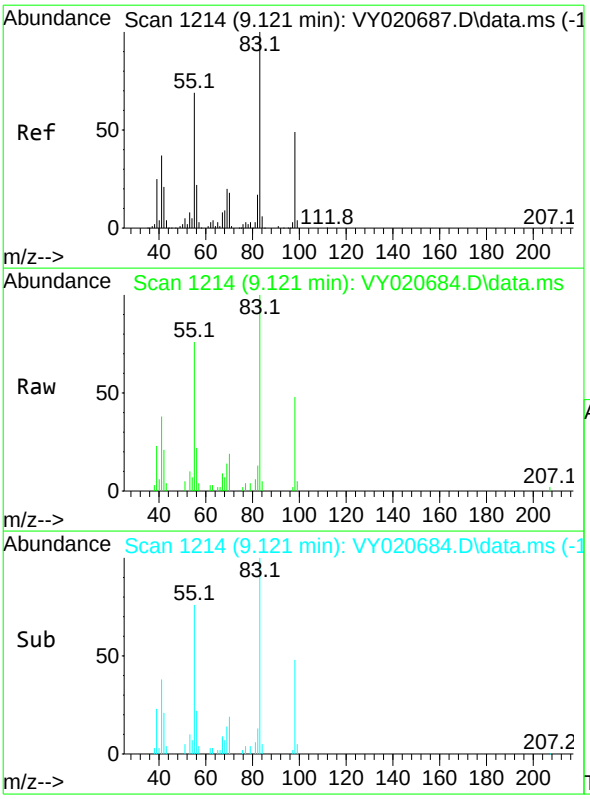


#38
Carbon Tetrachloride
Concen: 4.086 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:117 Resp: 7766

Ion	Ratio	Lower	Upper
117	100		
119	106.5	78.3	117.5
121	36.7	25.1	37.7





#39
Methylcyclohexane
Concen: 4.244 ug/l
RT: 9.121 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 6337

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.4	92.0
98	47.9	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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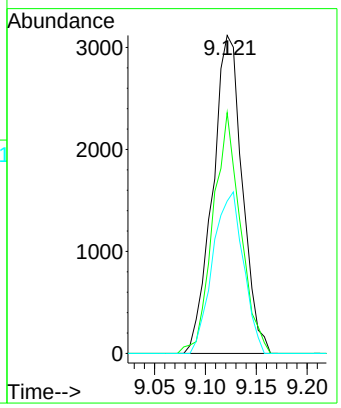
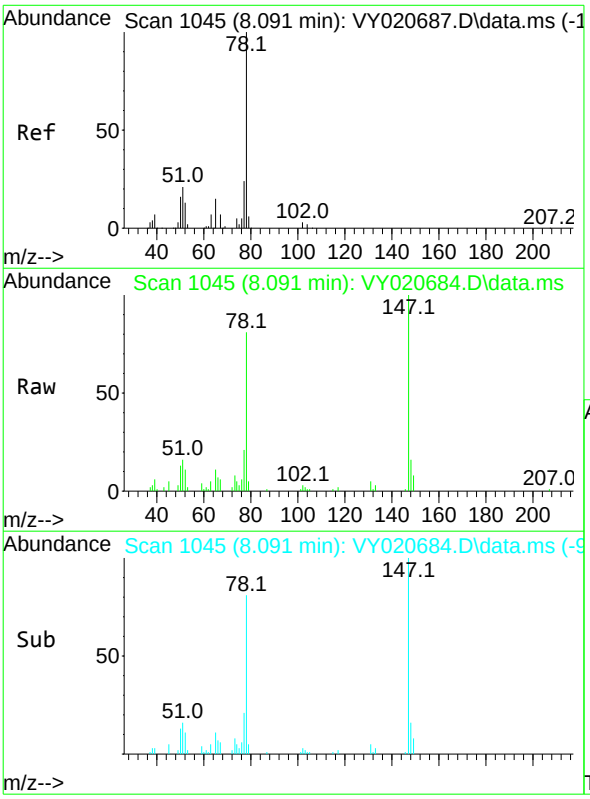
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

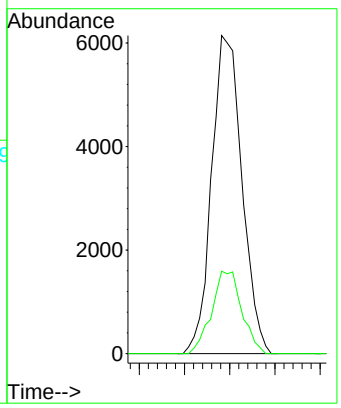


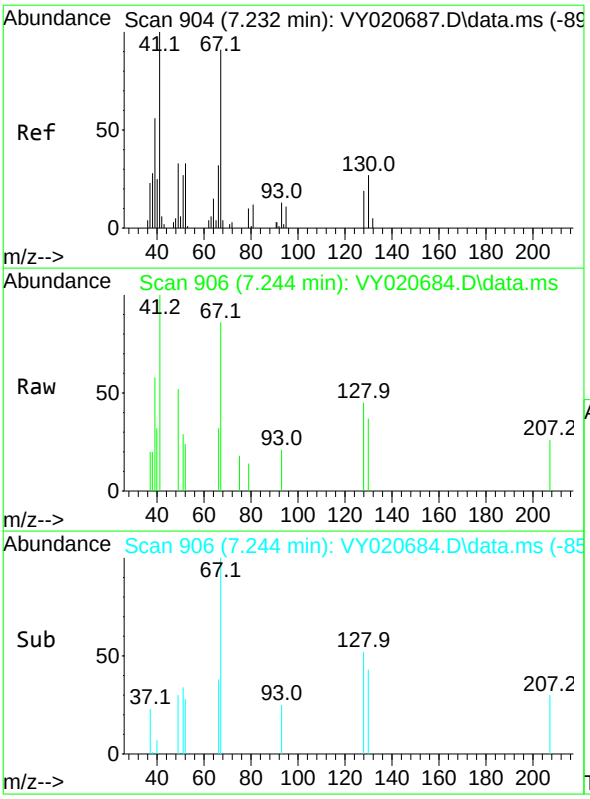


#40
Benzene
Concen: 4.223 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 78 Resp: 14311

Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.1	30.1

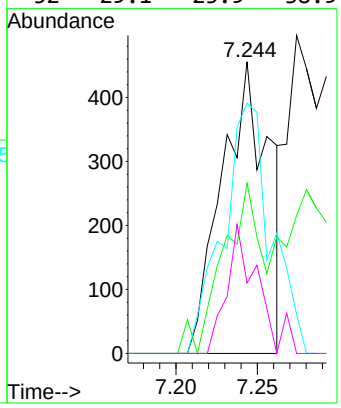




#41
Methacrylonitrile
Concen: 4.221 ug/l
RT: 7.244 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 917

Ion	Ratio	Lower	Upper
41	100		
39	47.3	53.6	80.4#
67	87.0	62.0	93.0
52	29.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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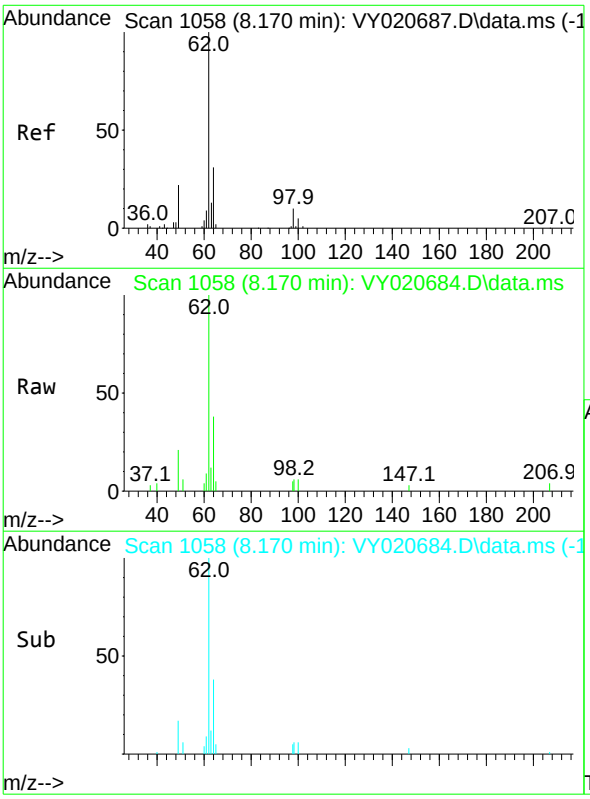
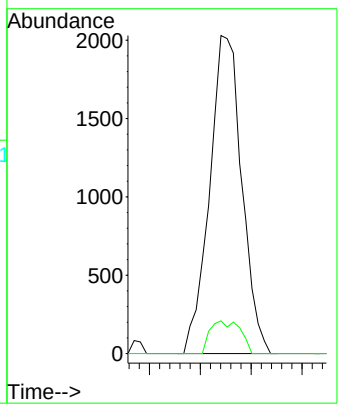
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

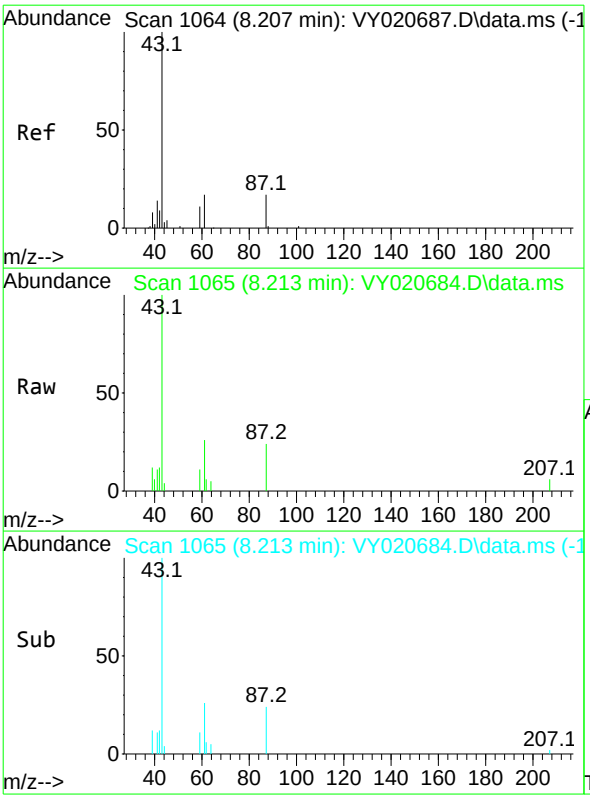


#42
1,2-Dichloroethane
Concen: 4.145 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 62 Resp: 4467

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.0

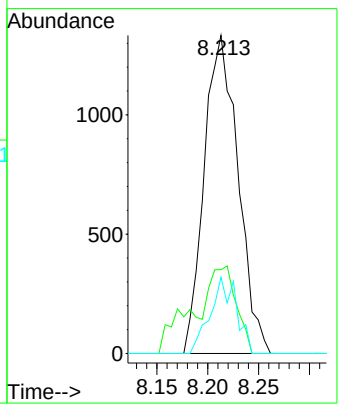




#43
Isopropyl Acetate
Concen: 3.863 ug/l
RT: 8.213 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 3082

Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.8	35.6#
87	18.6	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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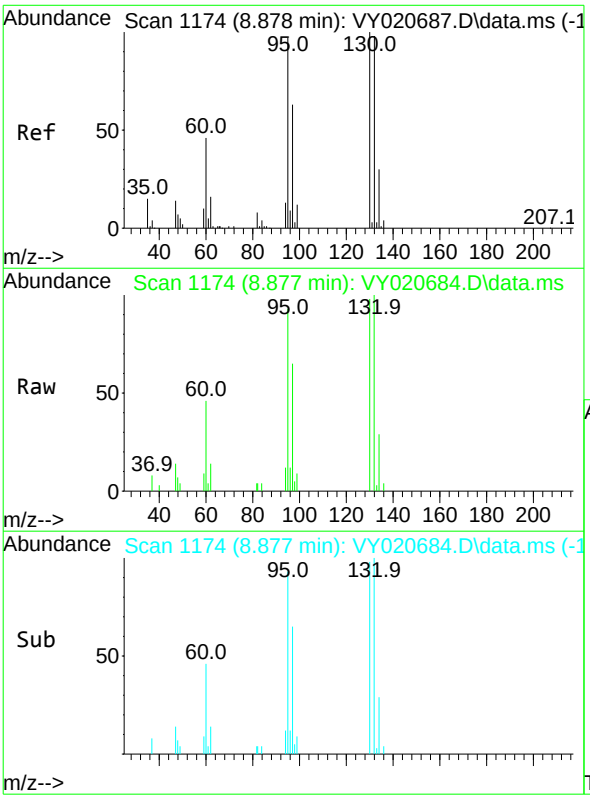
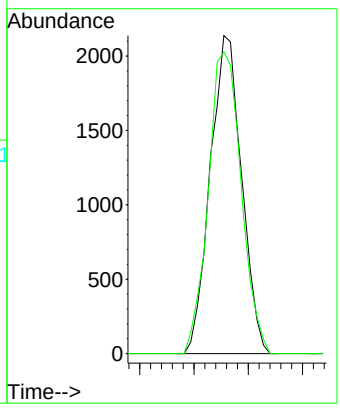
Supervised By :Mahesh Dadoda 12/26/2024

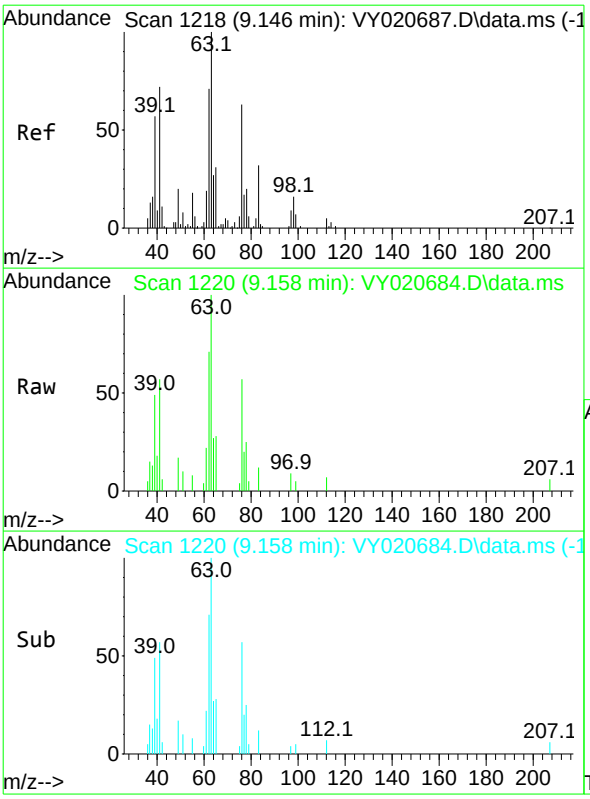


#44
Trichloroethene
Concen: 4.265 ug/l
RT: 8.877 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:130 Resp: 4289

Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	203.2

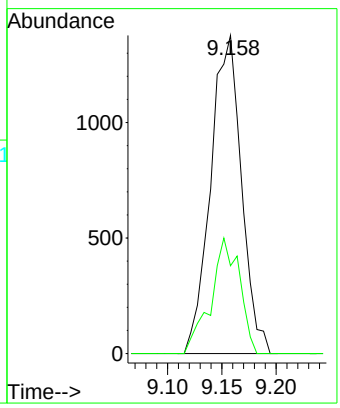




#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.158 min Scan# 12
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 2724

Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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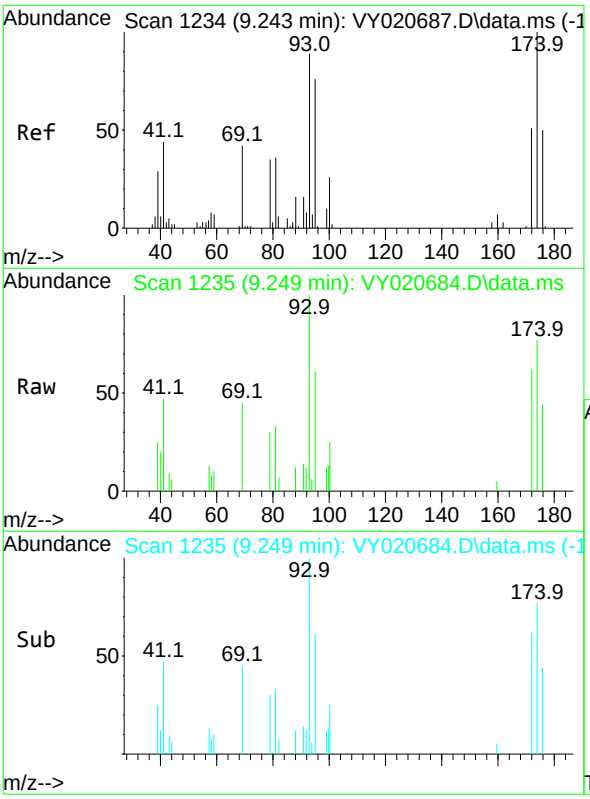
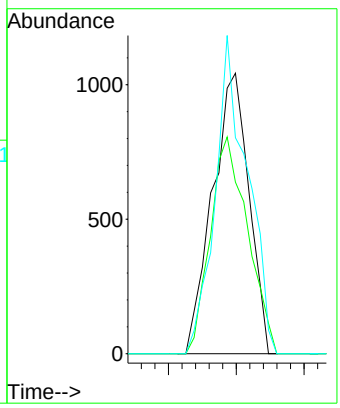
Supervised By :Mahesh Dadoda 12/26/2024

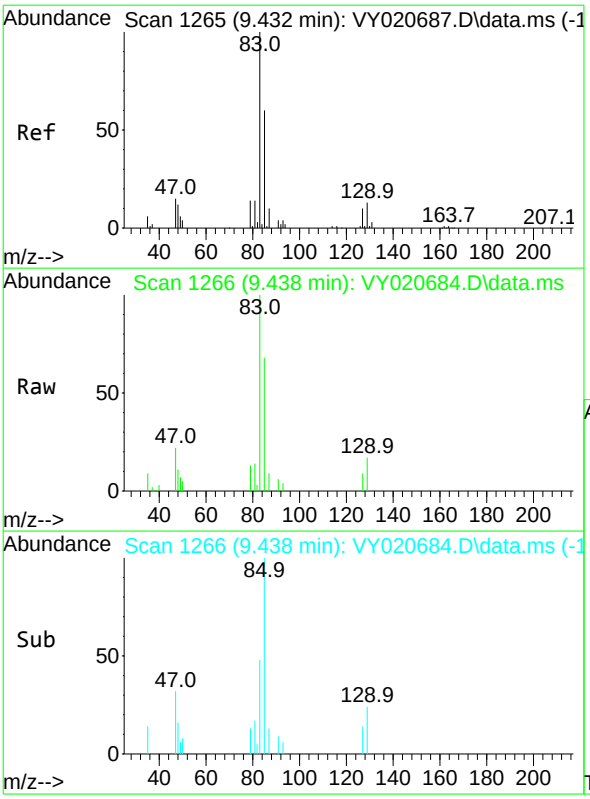


#46
Dibromomethane
Concen: 4.234 ug/l
RT: 9.249 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 93 Resp: 1946

Ion	Ratio	Lower	Upper
93	100		
95	79.1	66.7	100.1
174	100.2	77.8	116.6

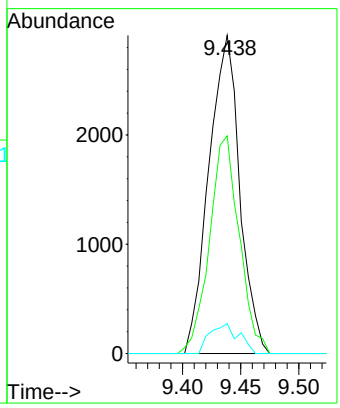




#47
Bromodichloromethane
Concen: 4.121 ug/l
RT: 9.438 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 5373

Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.1	78.1
127	9.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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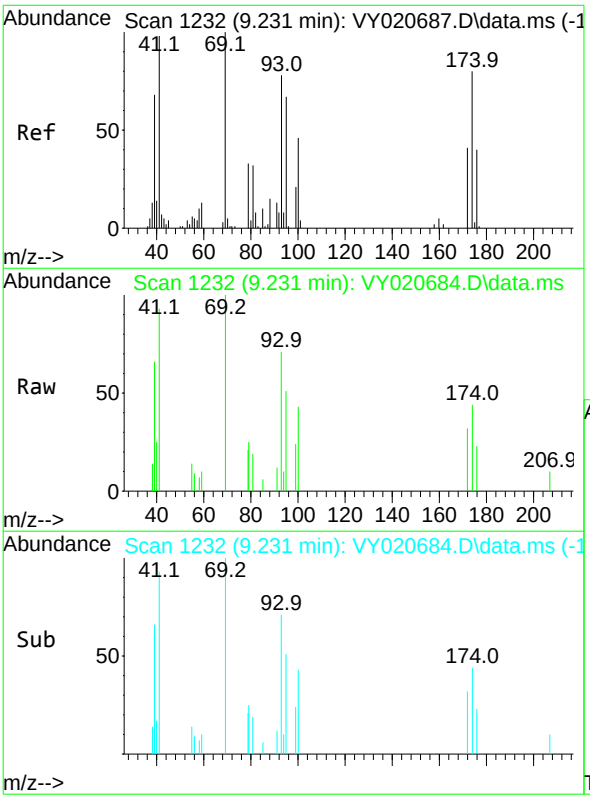
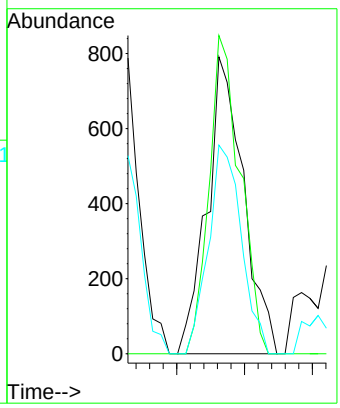
Supervised By :Mahesh Dadoda 12/26/2024

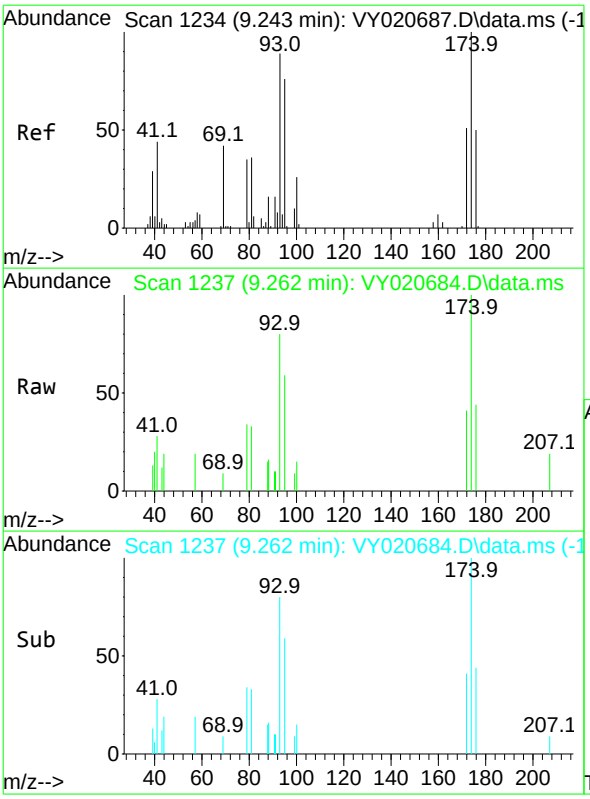


#48
Methyl methacrylate
Concen: 3.913 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 1480

Ion	Ratio	Lower	Upper
41	100		
69	91.6	67.2	100.8
39	63.6	42.2	63.4#





#49
1,4-Dioxane
Concen: 66.488 ug/l
RT: 9.262 min Scan# 12
Delta R.T. 0.019 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 88 Resp: 259

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.6	41.4#
58	23.6	61.7	92.5#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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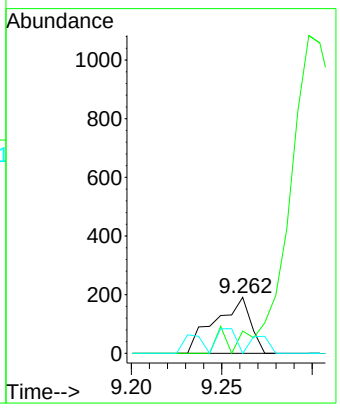
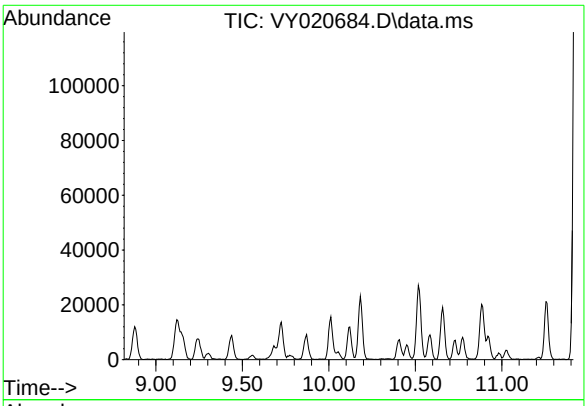
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



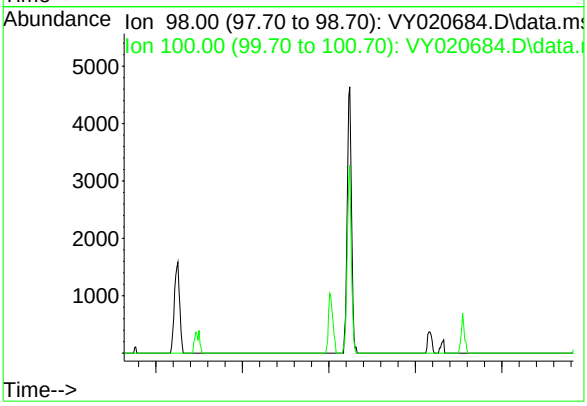


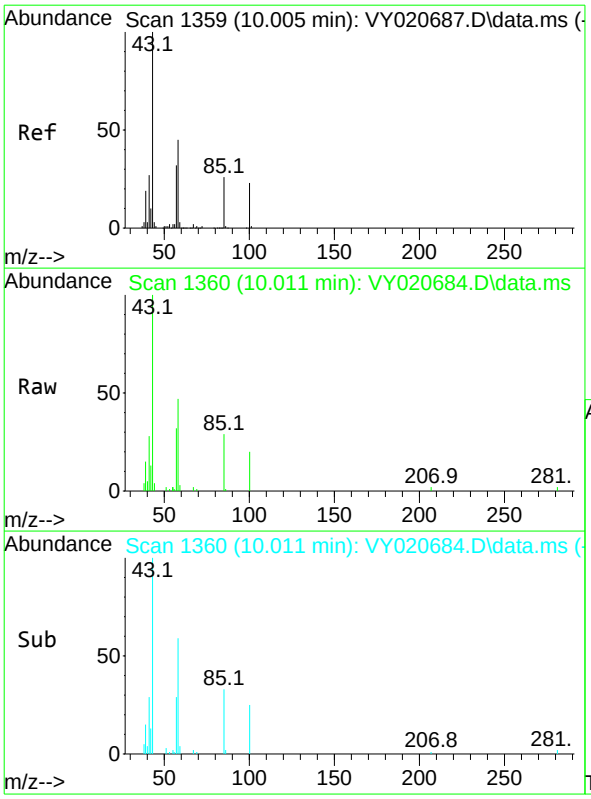
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.12 min

Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.1

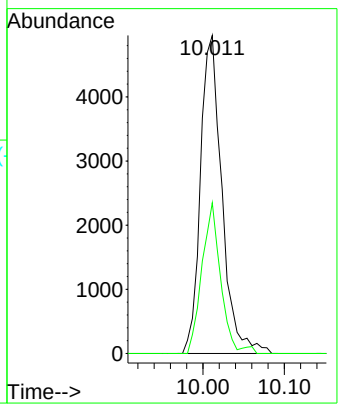




#51
4-Methyl-2-Pentanone
Concen: 22.757 ug/l
RT: 10.011 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 9070

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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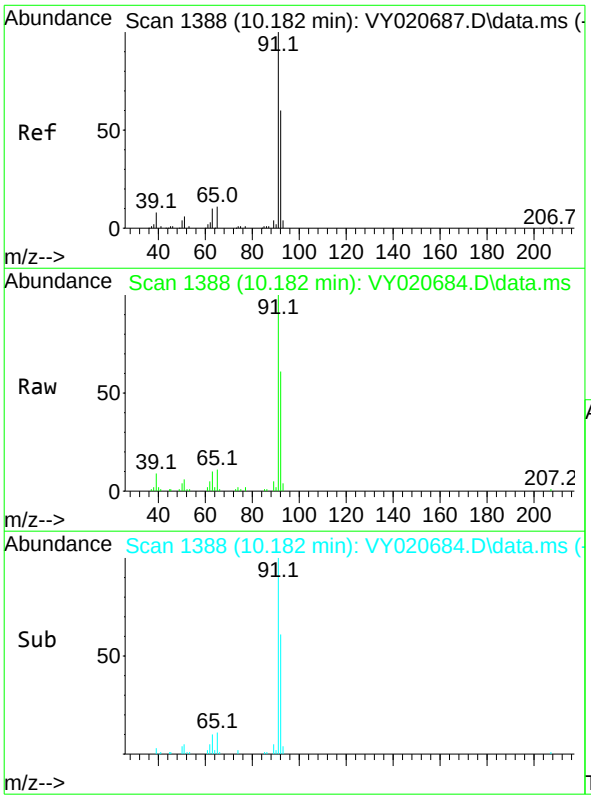
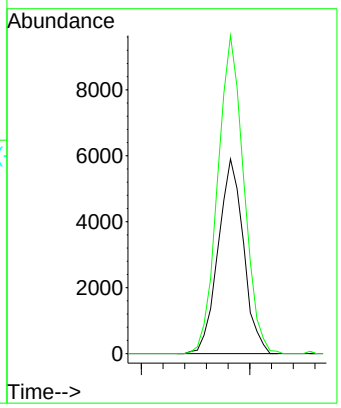
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

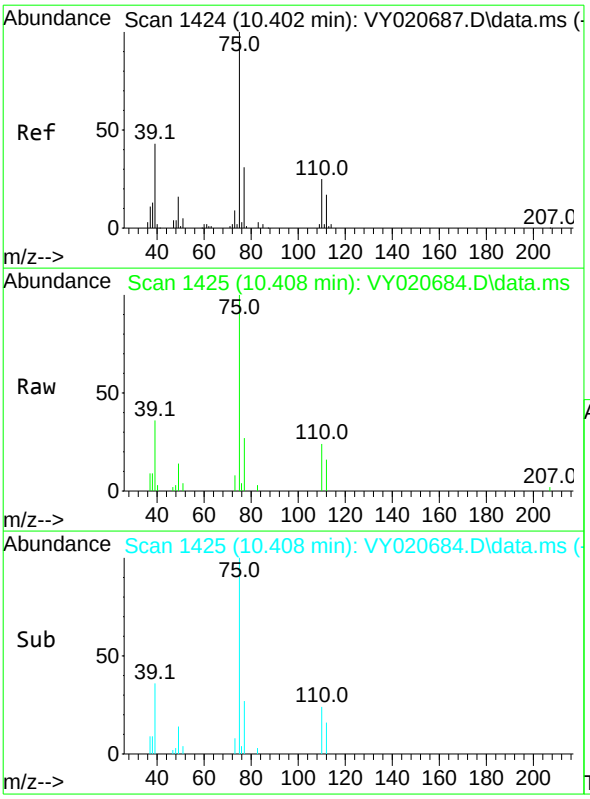


#52
Toluene
Concen: 4.153 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 92 Resp: 9584

Ion	Ratio	Lower	Upper
92	100		
91	167.7	137.4	206.0

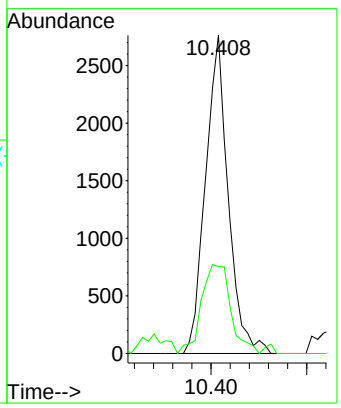




#53
t-1,3-Dichloropropene
Concen: 3.946 ug/l
RT: 10.408 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4552

Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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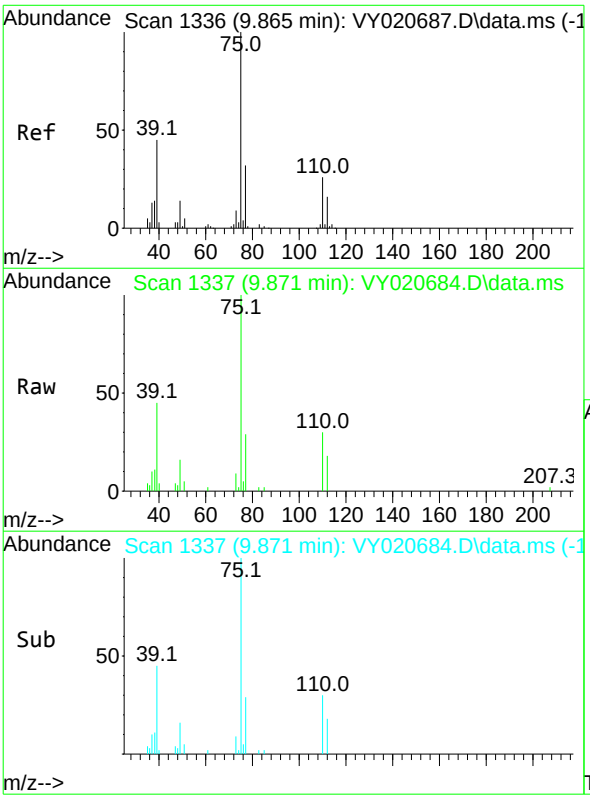
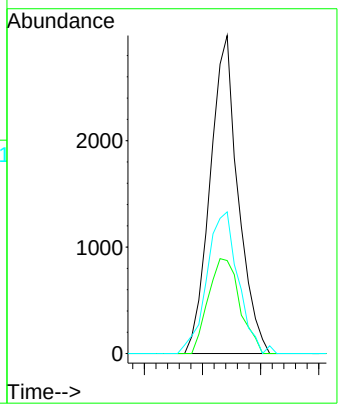
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

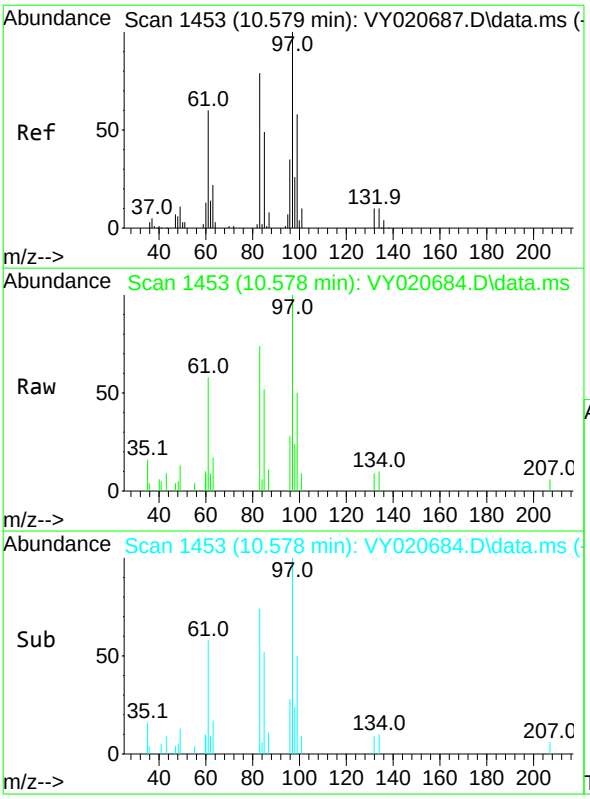


#54
cis-1,3-Dichloropropene
Concen: 3.931 ug/l
RT: 9.871 min Scan# 1337
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4997

Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.6	36.8
39	44.5	36.4	54.6

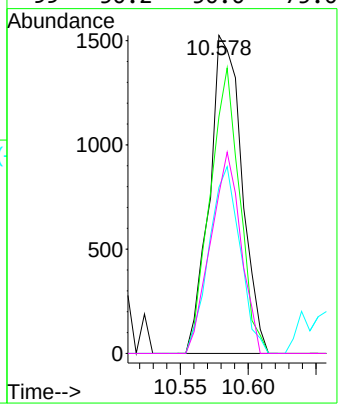




#55
1,1,2-Trichloroethane
Concen: 4.249 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 97 Resp: 2529

Ion	Ratio	Lower	Upper
97	100		
83	74.4	70.4	105.6
85	52.2	47.2	70.8
99	50.2	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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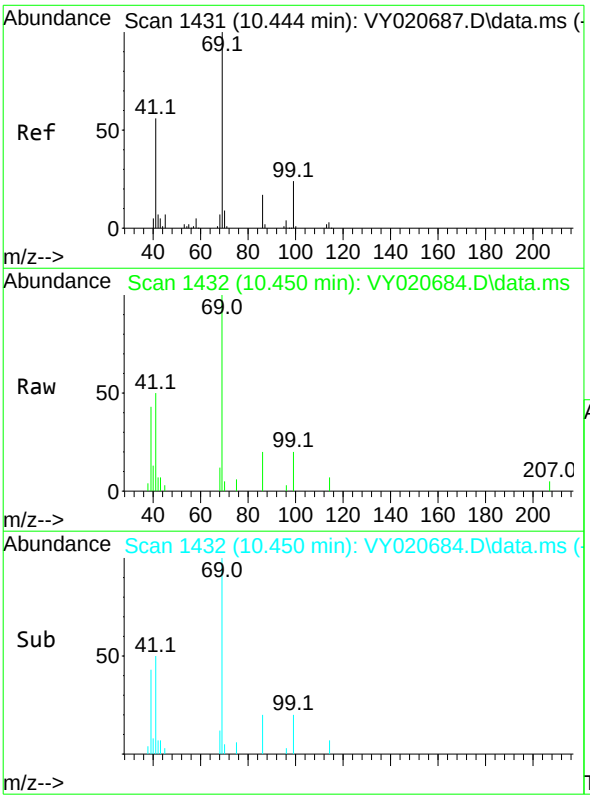
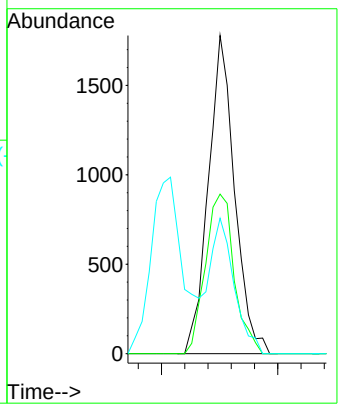
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

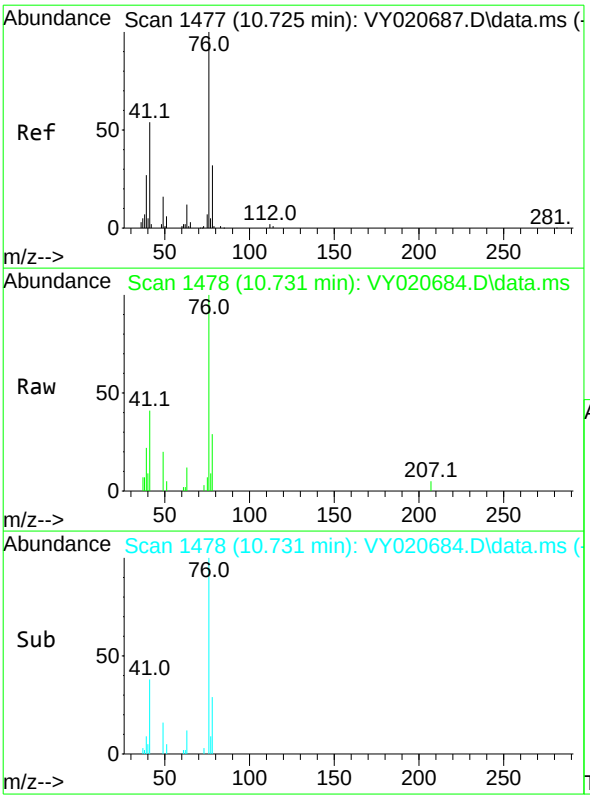


#56
Ethyl methacrylate
Concen: 3.682 ug/l
RT: 10.450 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 69 Resp: 2795

Ion	Ratio	Lower	Upper
69	100		
41	55.0	54.0	81.0
39	40.2	27.9	41.9





#57
1,3-Dichloropropane
Concen: 4.092 ug/l
RT: 10.731 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 76 Resp: 3981

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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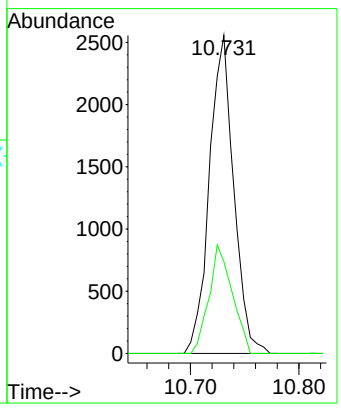
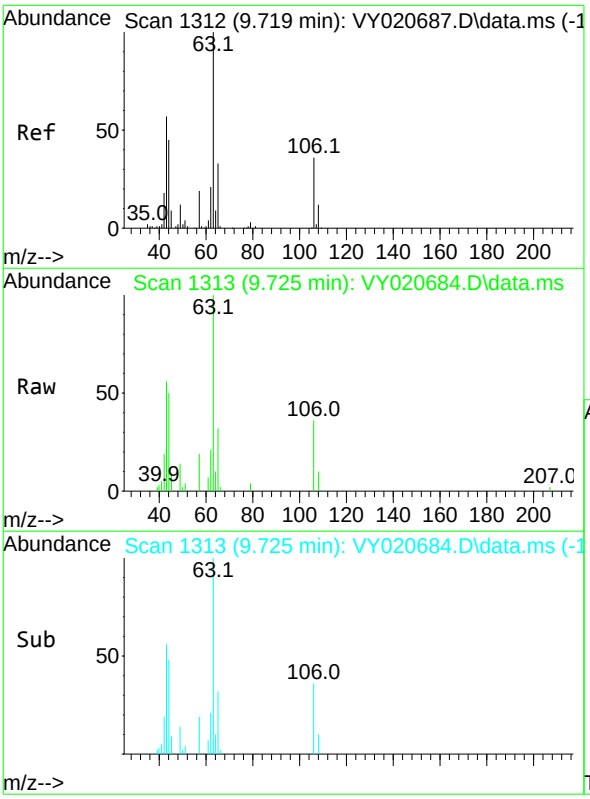
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

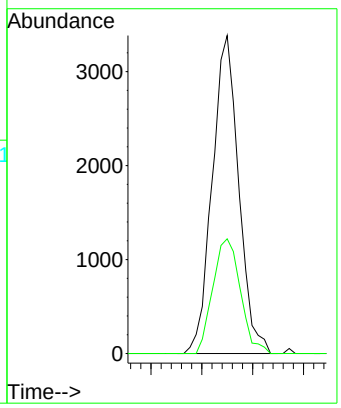


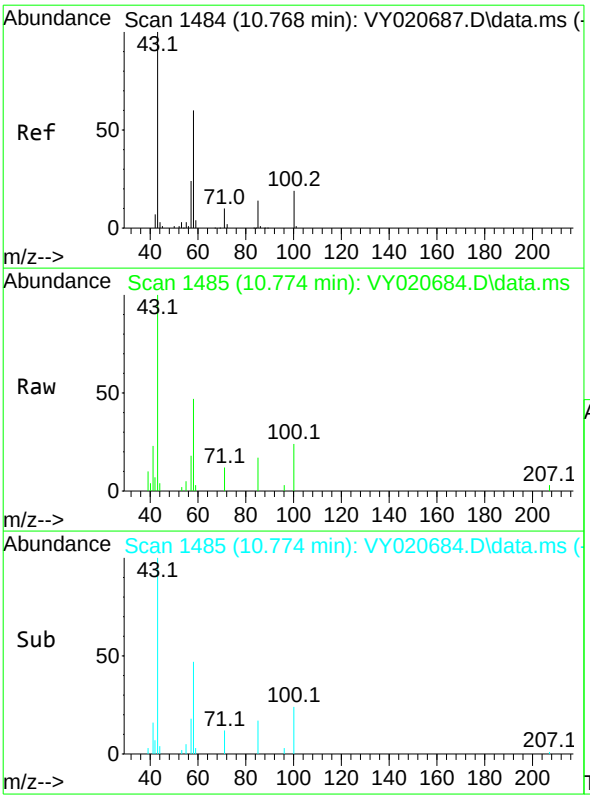


#58
2-Chloroethyl Vinyl ether
Concen: 21.573 ug/l
RT: 9.725 min Scan# 1313
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 6120

Ion	Ratio	Lower	Upper
63	100		
106	37.5	21.5	32.3#





#59
2-Hexanone
Concen: 18.580 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 4717

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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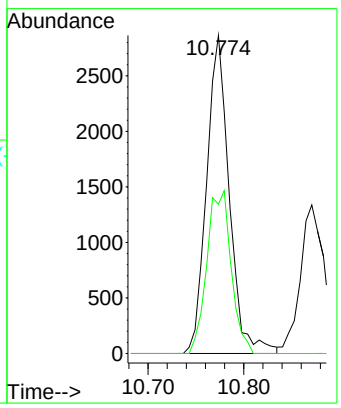
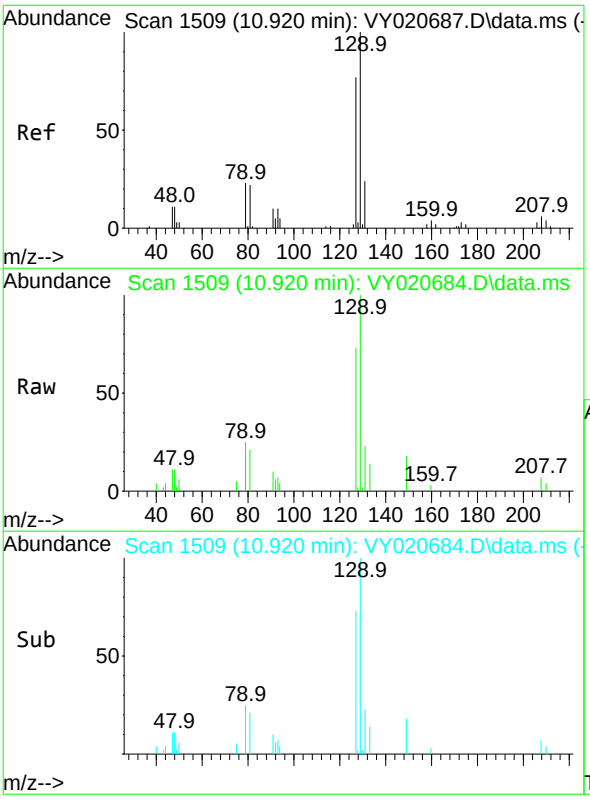
Supervised By :Mahesh Dadoda 12/26/2024

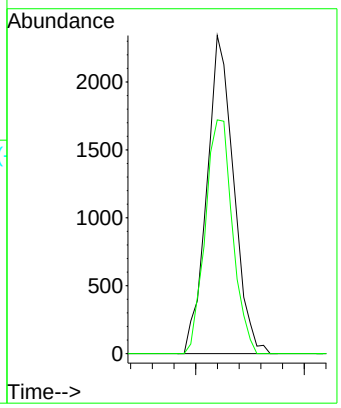


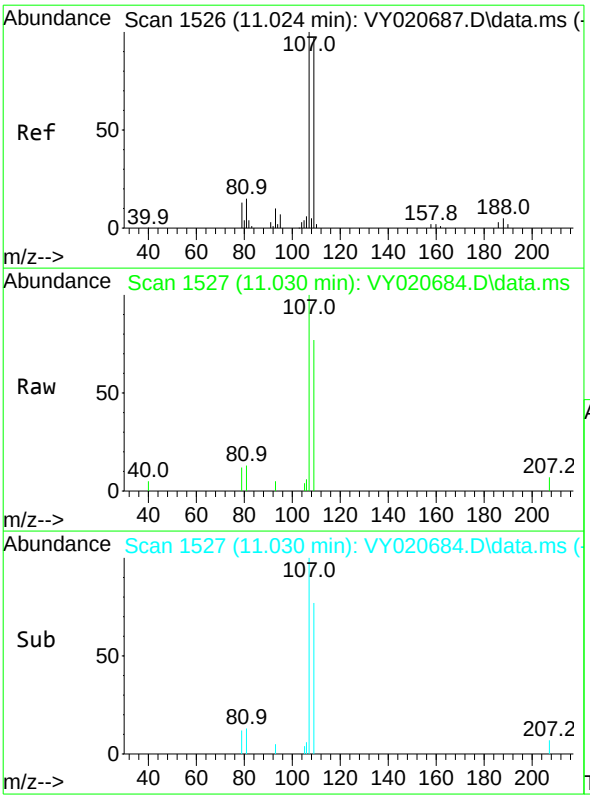


#60
Dibromochloromethane
Concen: 4.222 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:129 Resp: 4012

Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.1	114.3





#61
1,2-Dibromoethane
Concen: 3.889 ug/l
RT: 11.030 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:107 Resp: 2170

Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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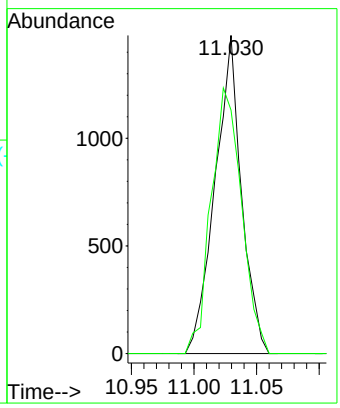
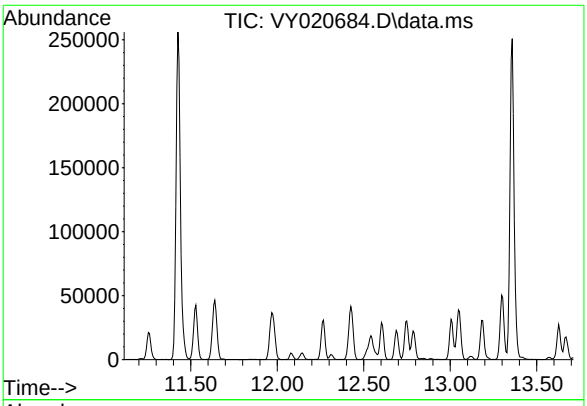


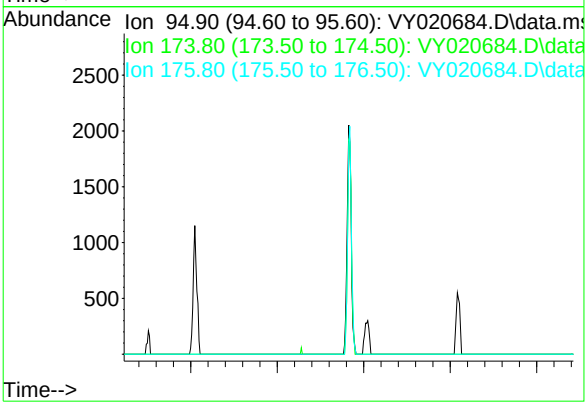


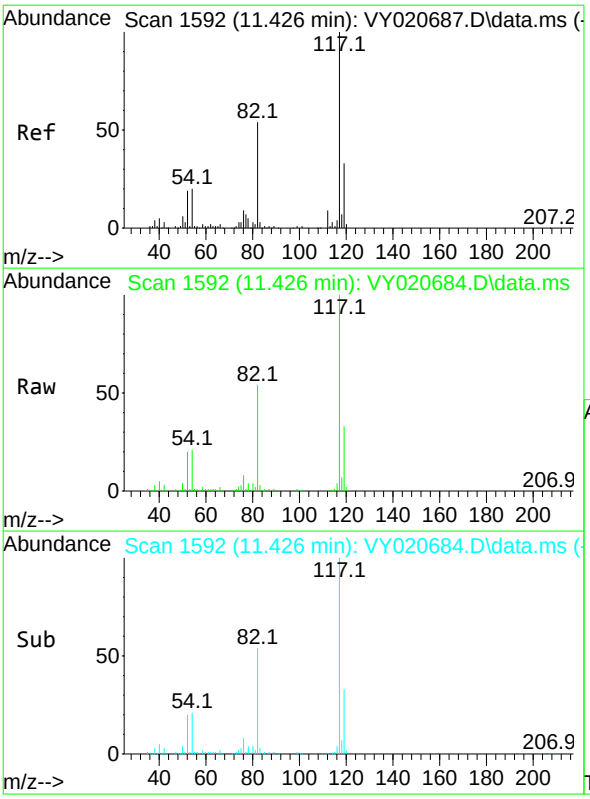
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.41 min

Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	80.9
176	78.3

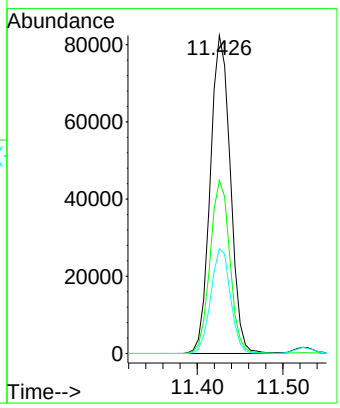




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:117 Resp: 134316

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.8	68.6
119	32.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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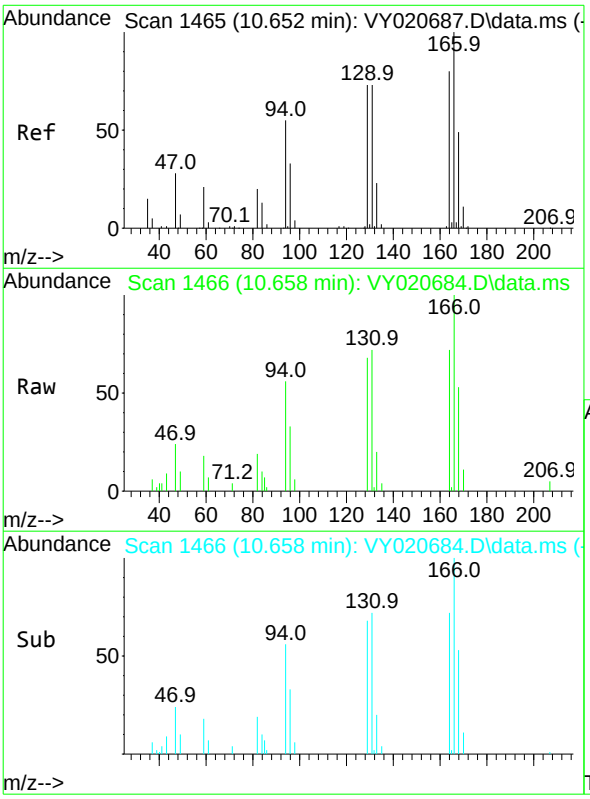
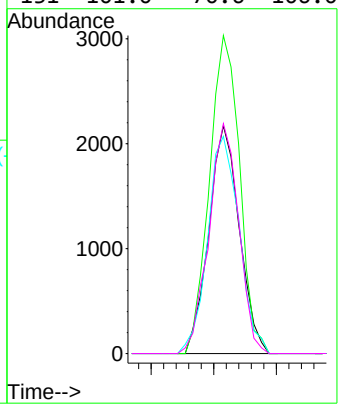
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

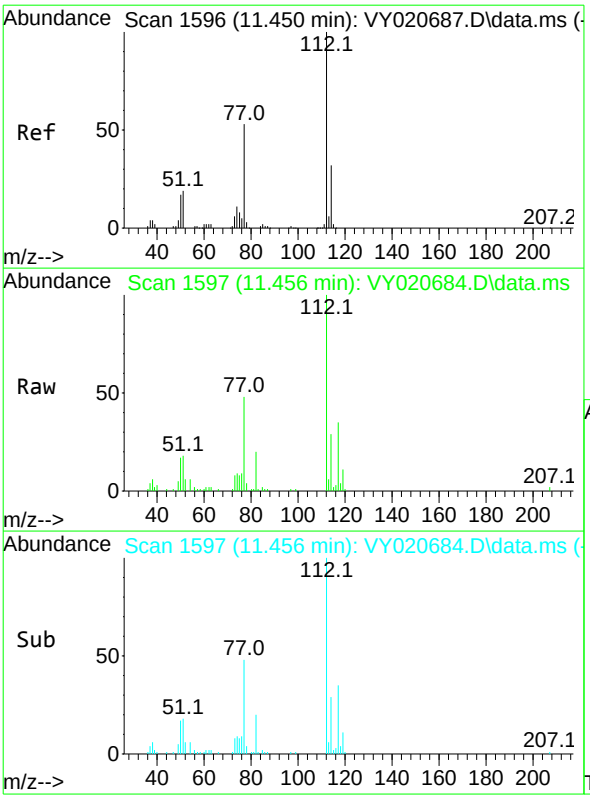


#64
Tetrachloroethene
Concen: 4.124 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:164 Resp: 3679

Ion	Ratio	Lower	Upper
164	100		
166	139.7	97.9	146.9
129	95.4	73.4	110.0
131	101.0	70.6	106.0

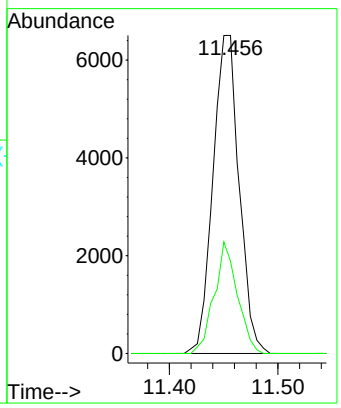




#65
Chlorobenzene
Concen: 4.339 ug/l
RT: 11.456 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:112 Resp: 10890

Ion	Ratio	Lower	Upper
112	100		
114	29.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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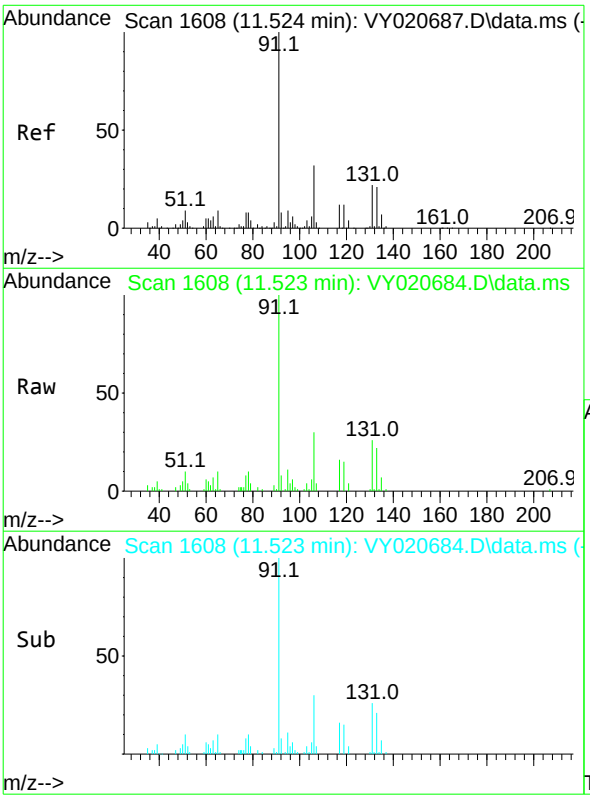
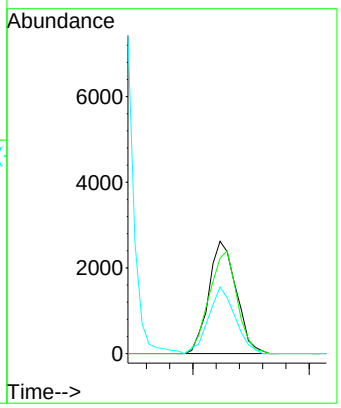
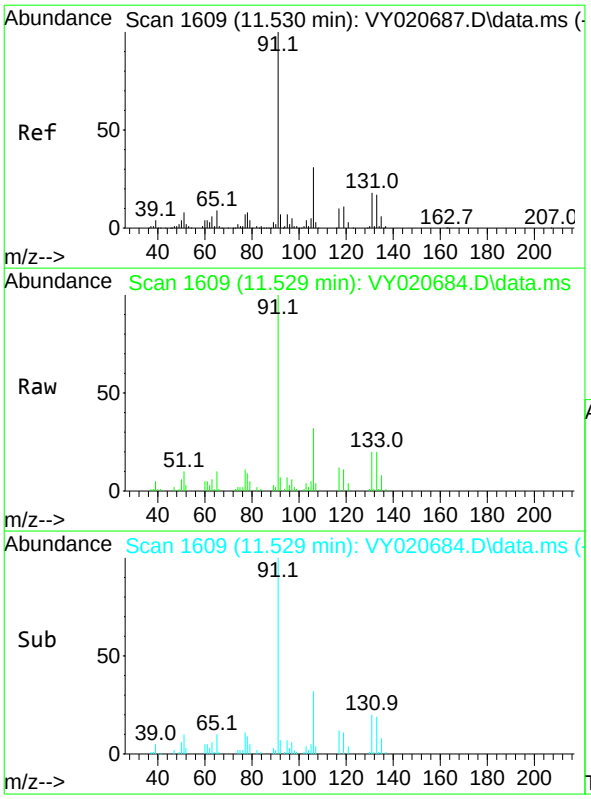


#66
1,1,1,2-Tetrachloroethane
Concen: 4.398 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:131 Resp: 4311

Ion	Ratio	Lower	Upper
131	100		
133	92.0	46.8	140.3
119	57.1	31.8	95.3

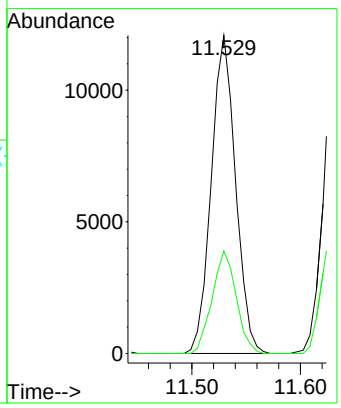




#67
Ethyl Benzene
Concen: 4.168 ug/l
RT: 11.529 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 18768

Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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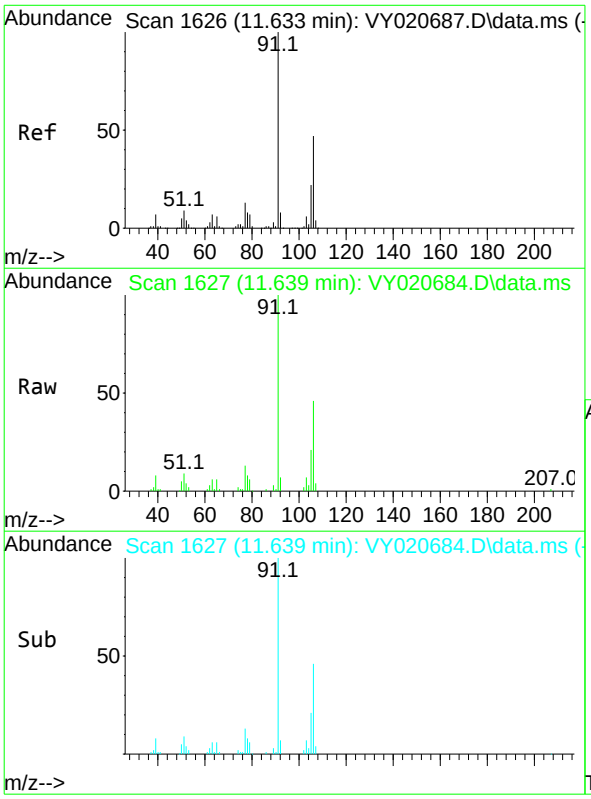
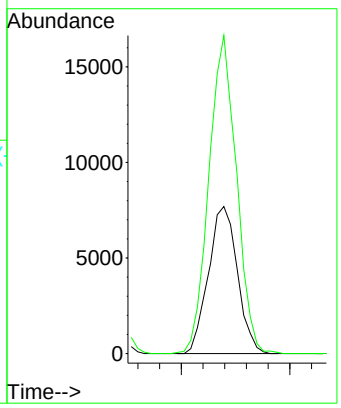
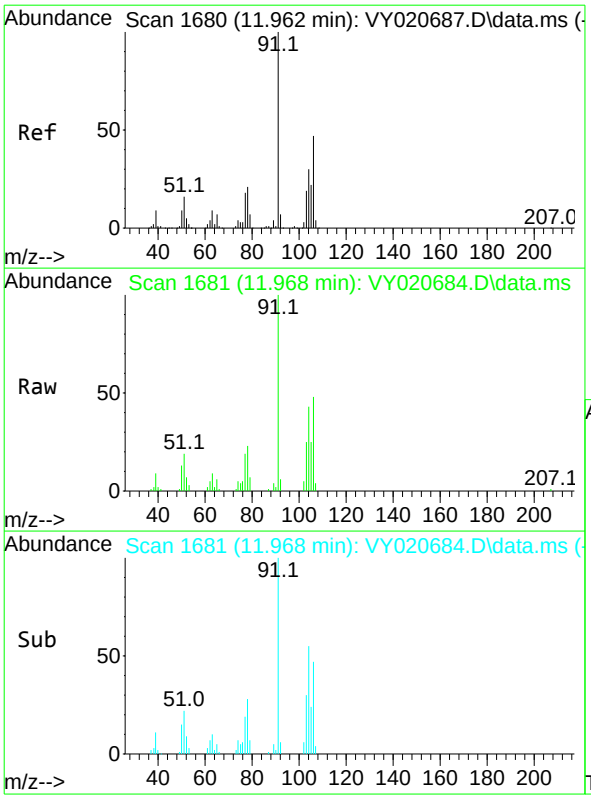


#68
m/p-Xylenes
Concen: 8.311 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:106 Resp: 14272

Ion	Ratio	Lower	Upper
106	100		
91	206.0	165.0	247.4

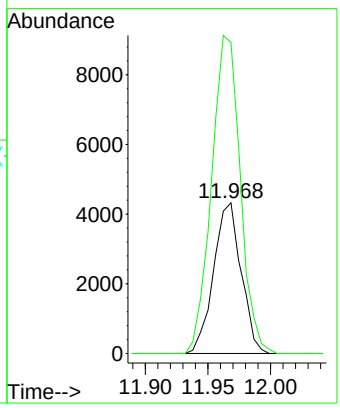




#69
o-Xylene
Concen: 4.102 ug/l
RT: 11.968 min Scan# 16
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:106 Resp: 6616

Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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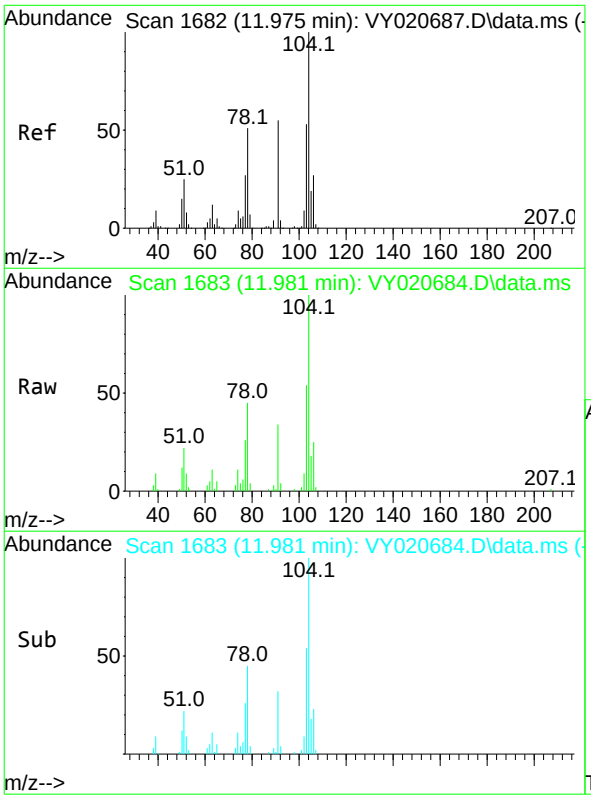
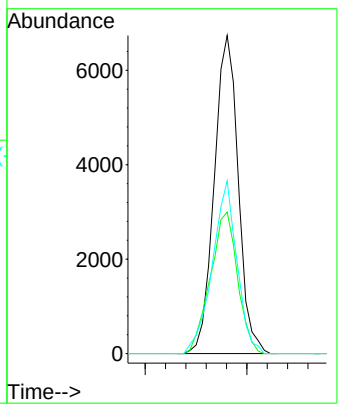
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

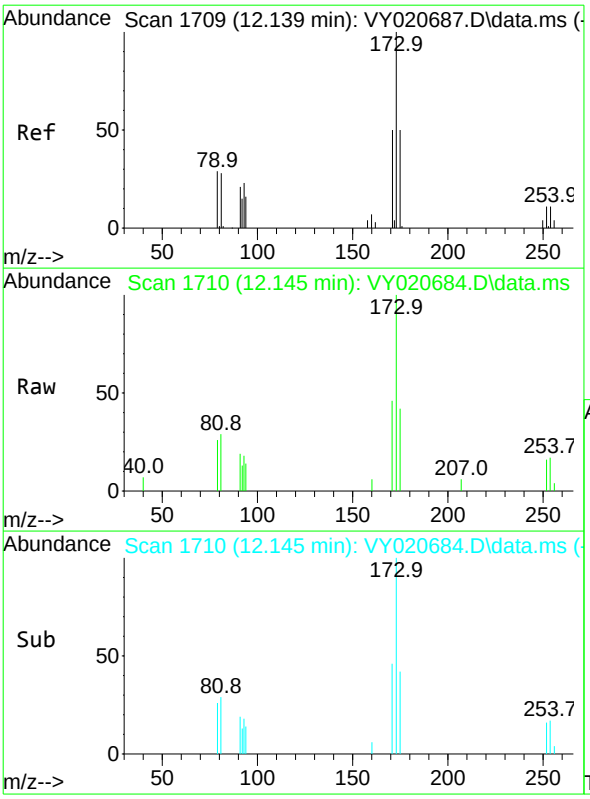


#70
Styrene
Concen: 4.073 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:104 Resp: 11050

Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.6	62.4
103	55.6	43.7	65.5

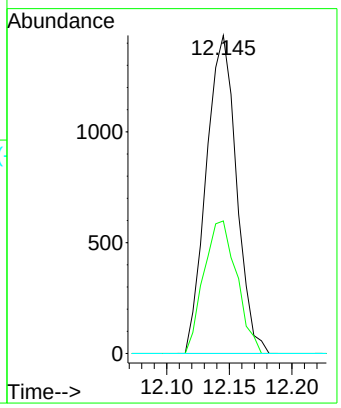




#71
Bromoform
Concen: 4.295 ug/l
RT: 12.145 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:173 Resp: 2411

Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.6	74.0
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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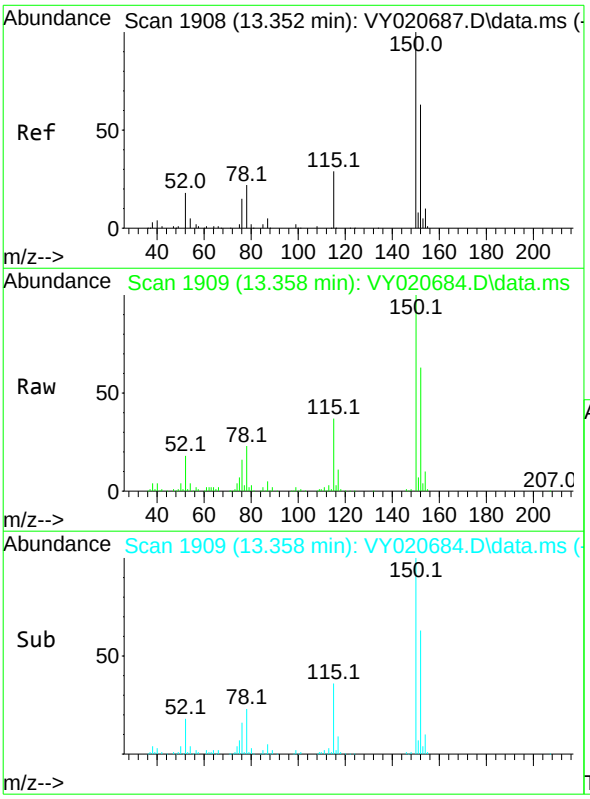
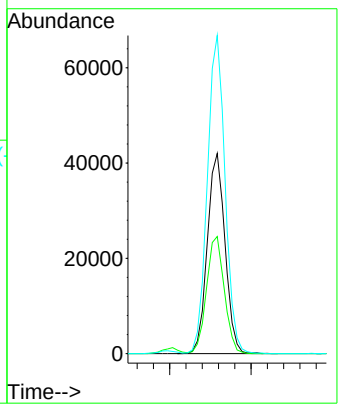
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

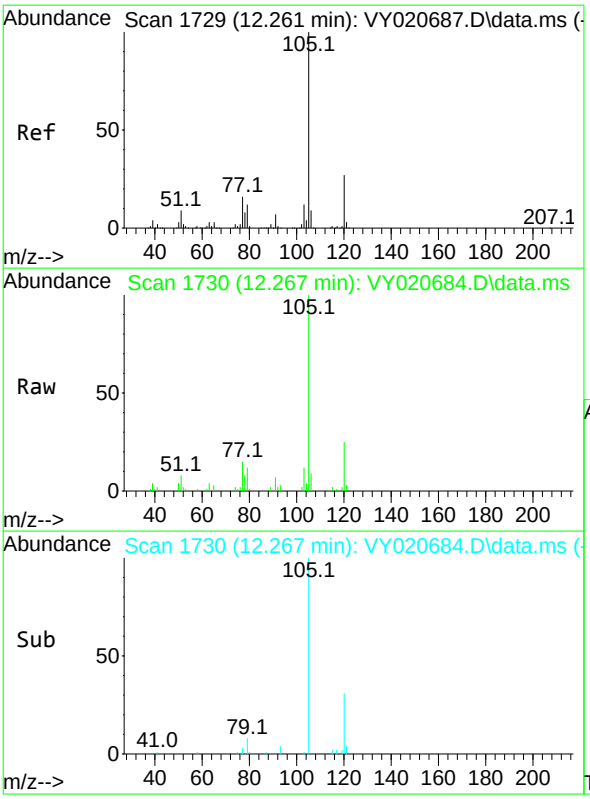


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:152 Resp: 63466

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.2	90.6
150	159.2	0.0	355.4

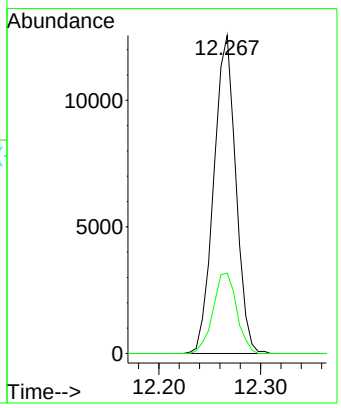




#73
Isopropylbenzene
Concen: 4.385 ug/l
RT: 12.267 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 18930

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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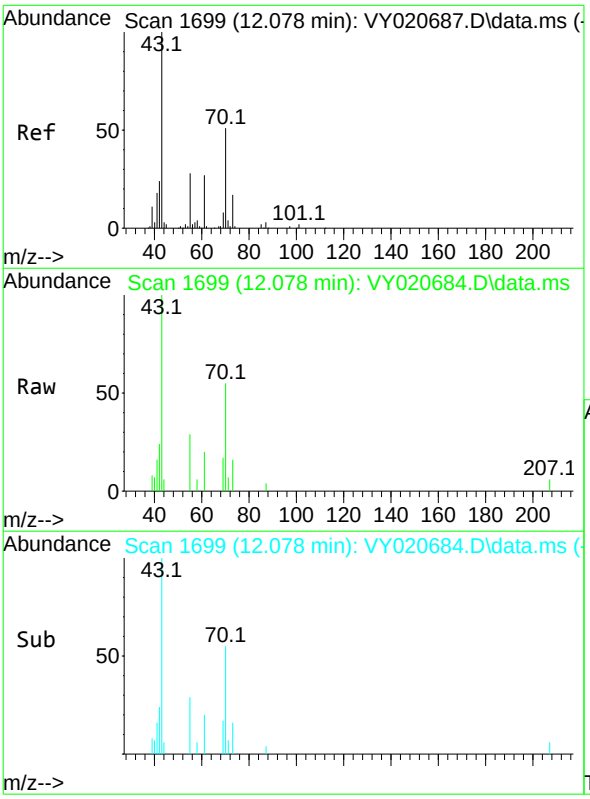
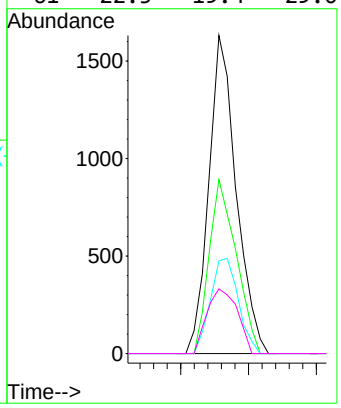
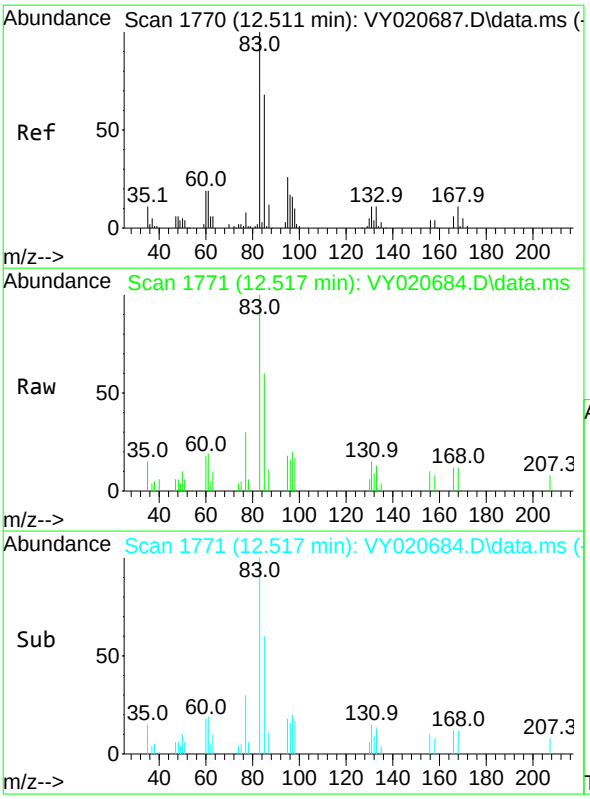


#74
N-amyl acetate
Concen: 3.780 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 2293

Ion	Ratio	Lower	Upper
43	100		
70	53.9	34.2	51.2#
55	30.4	19.6	29.4#
61	22.5	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 4.410 ug/l
RT: 12.517 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 2450

Ion	Ratio	Lower	Upper
83	100		
131	13.7	5.2	15.6
85	63.5	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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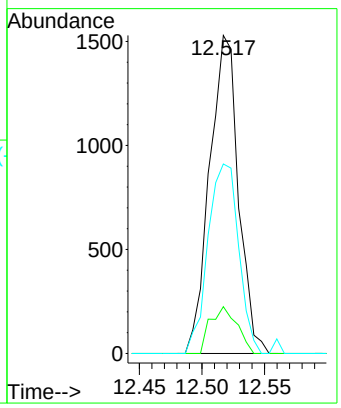
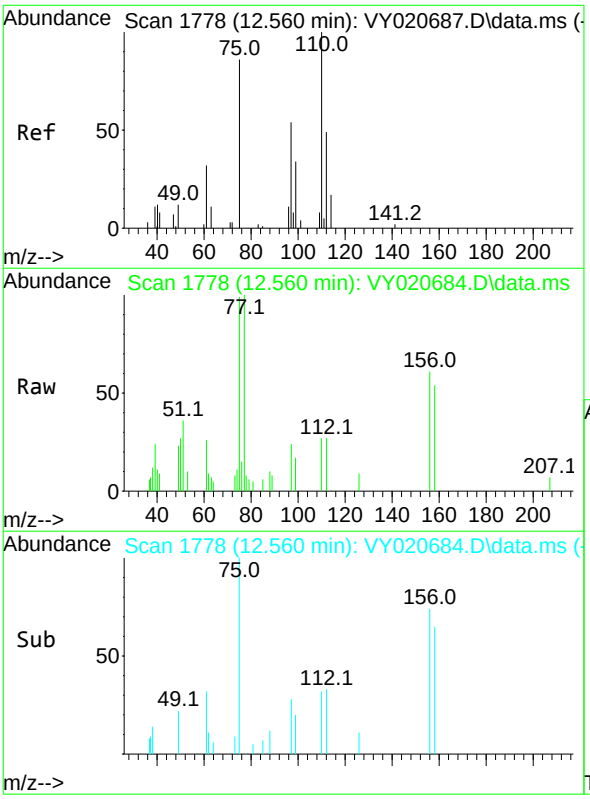
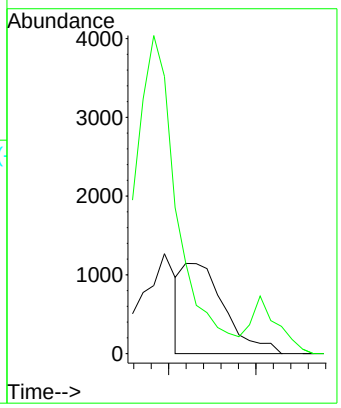


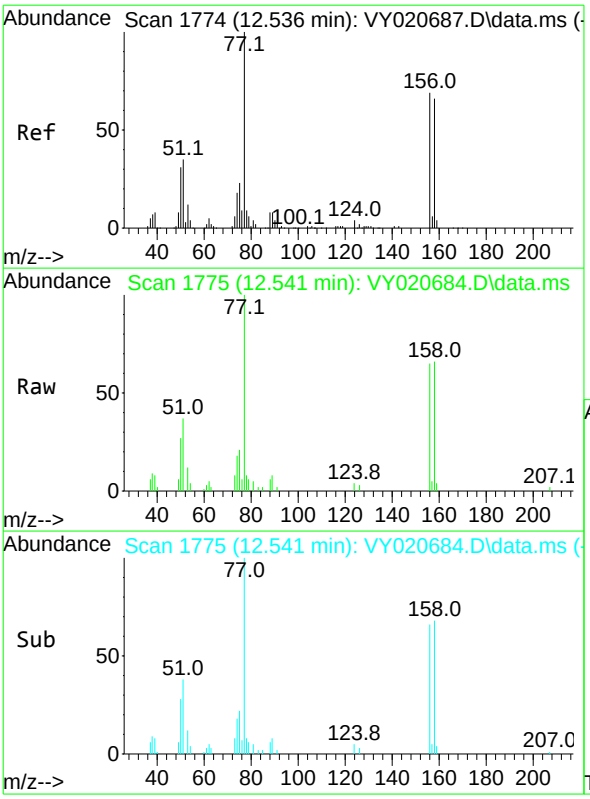


#76
1,2,3-Trichloropropane
Concen: 4.649 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 1934

Ion	Ratio	Lower	Upper
75	100		
77	361.9	0.0	0.0#





#77
Bromobenzene
Concen: 4.307 ug/l
RT: 12.541 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:156 Resp: 4234

Ion	Ratio	Lower	Upper
156	100		
77	165.3	94.2	282.4
158	100.9	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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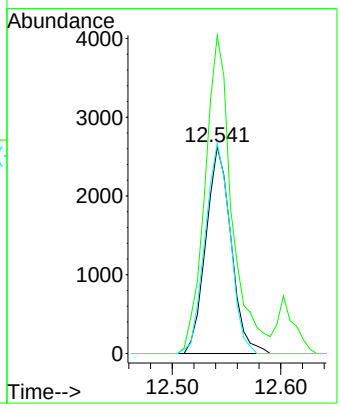
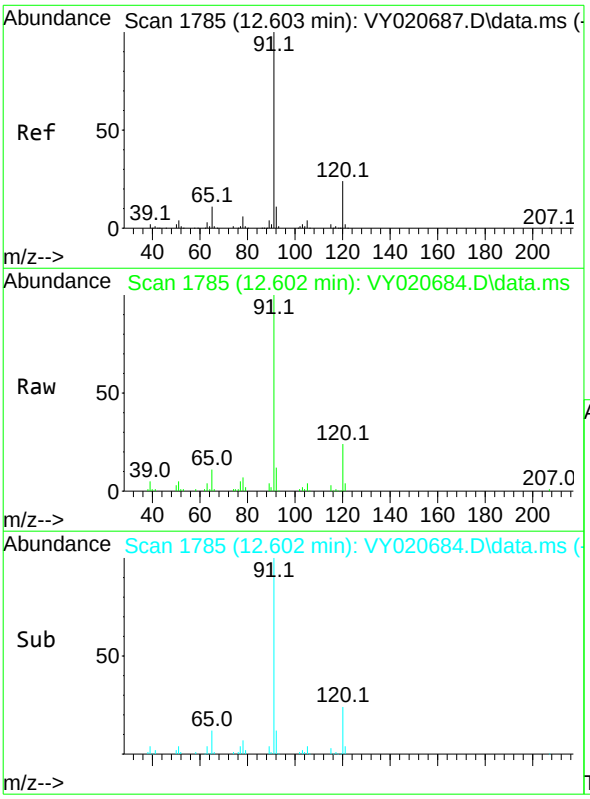
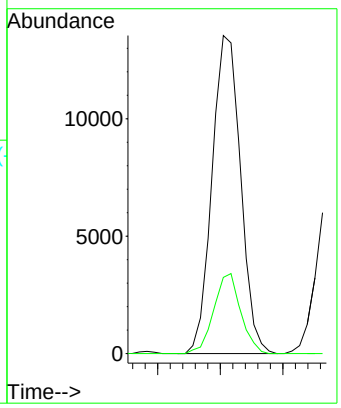


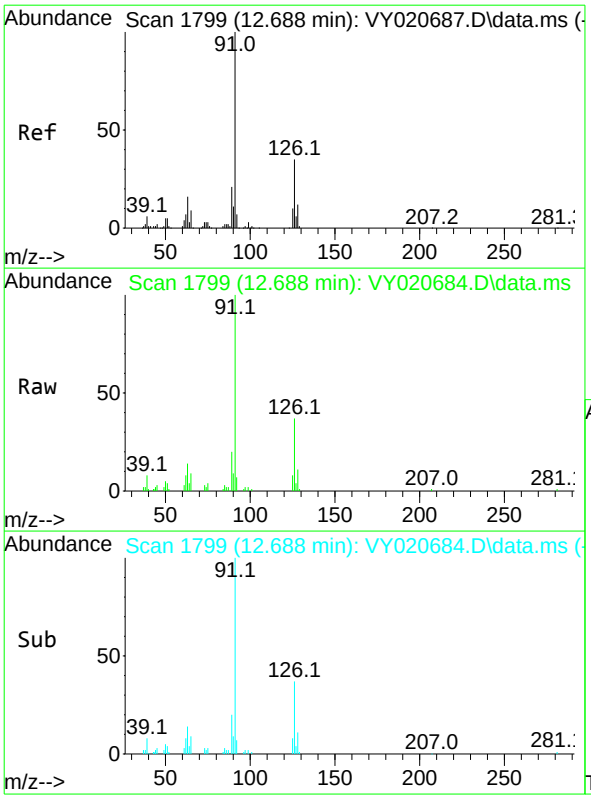


#78
n-propylbenzene
Concen: 4.410 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 21465

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.1	33.1





#79
2-Chlorotoluene
Concen: 4.404 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 12202

Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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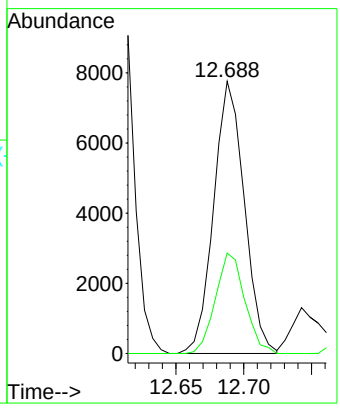
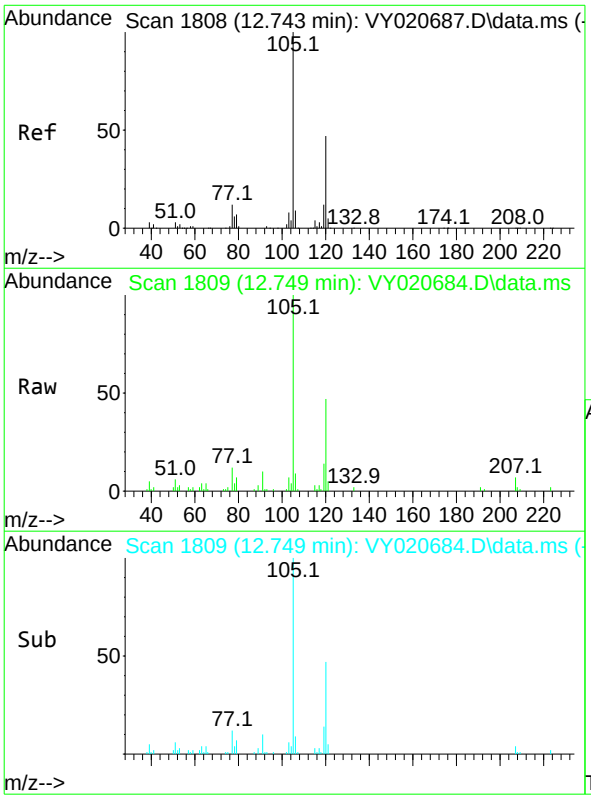
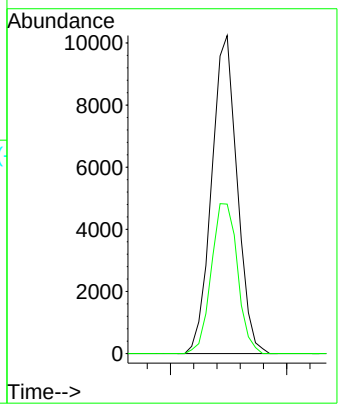


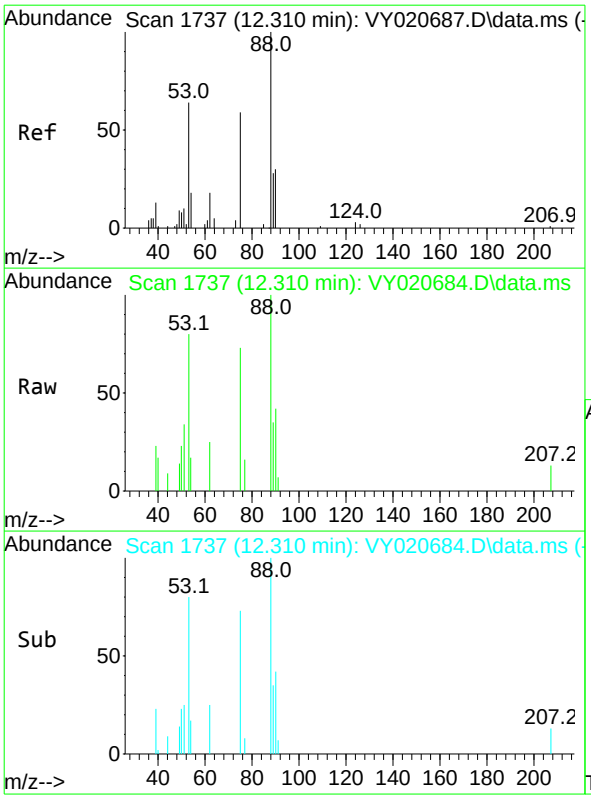


#80
1,3,5-Trimethylbenzene
Concen: 4.356 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 15597

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.023 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 810

Ion	Ratio	Lower	Upper
75	100		
53	105.6	75.4	113.2
89	38.3	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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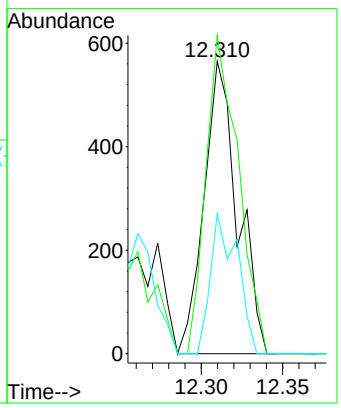
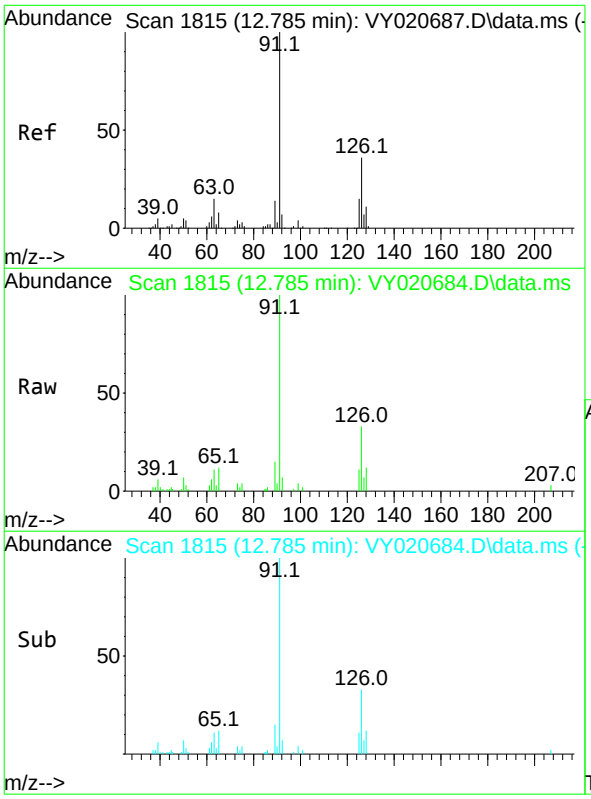
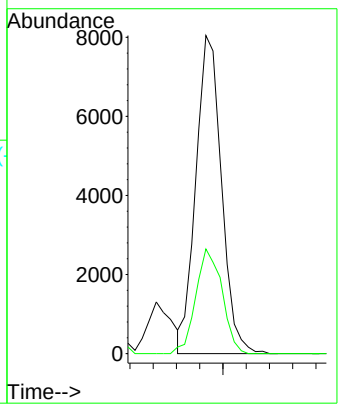


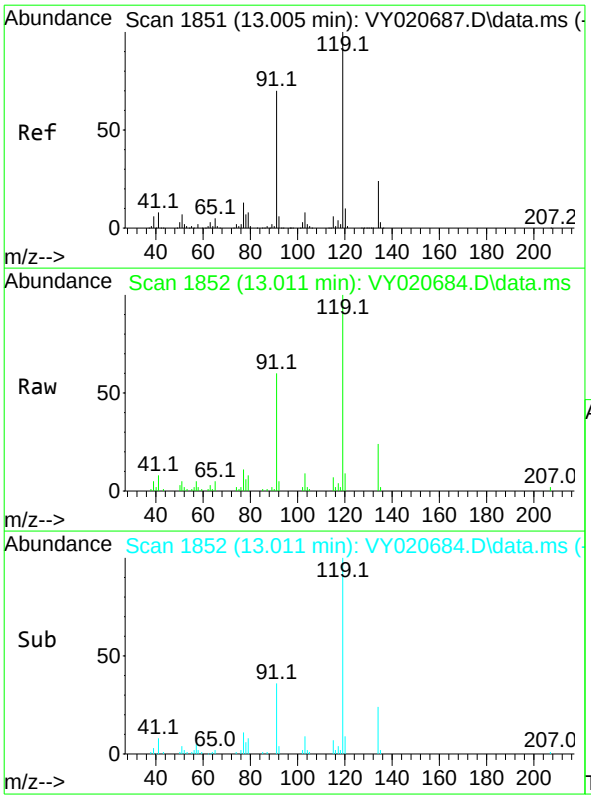


#82
4-Chlorotoluene
Concen: 4.353 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 12300

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.6	49.7

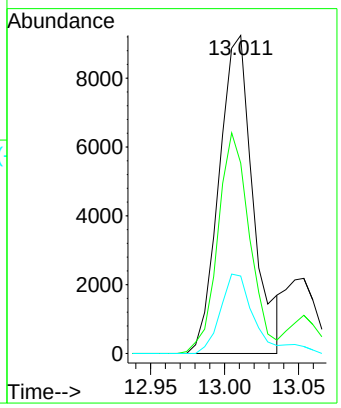




#83
tert-Butylbenzene
Concen: 4.457 ug/l
RT: 13.011 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:119 Resp: 14849

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.6
134	25.3	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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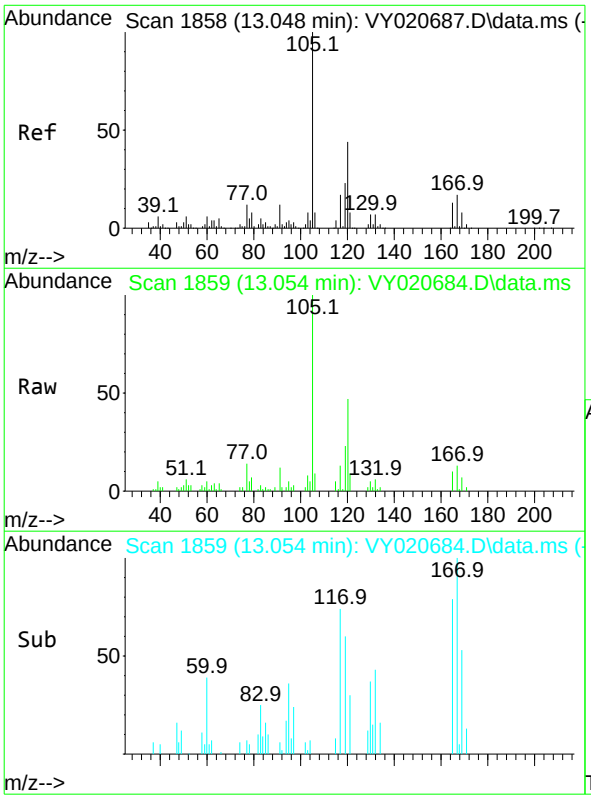
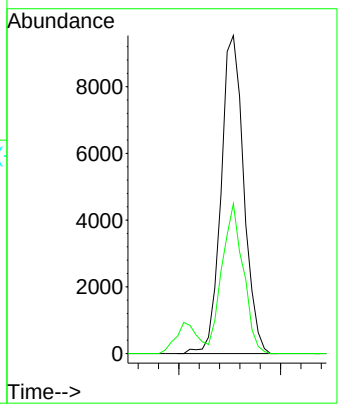
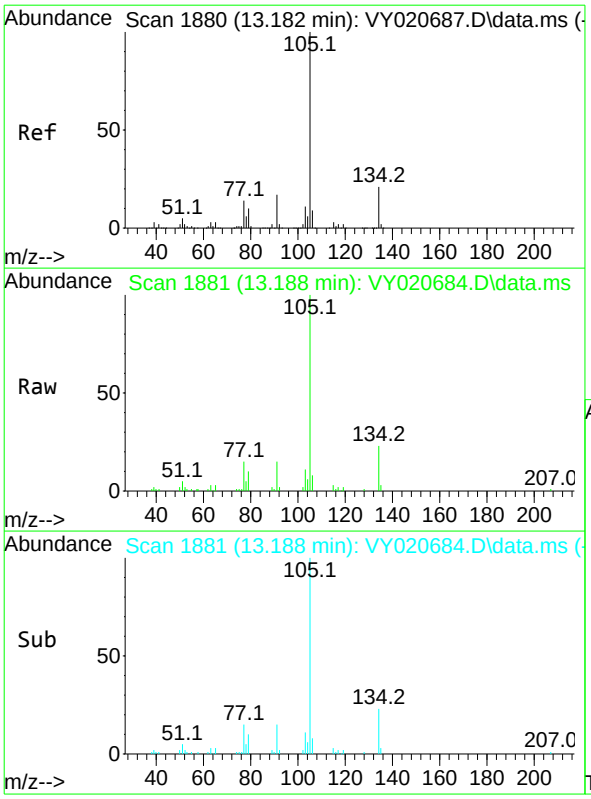


#84
1,2,4-Trimethylbenzene
Concen: 4.228 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 14790

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4

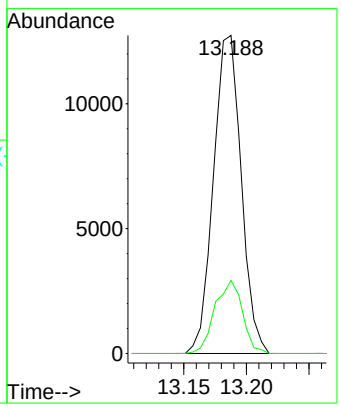




#85
sec-Butylbenzene
Concen: 4.374 ug/l
RT: 13.188 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 19621

Ion	Ratio	Lower	Upper
105	100		
134	22.8	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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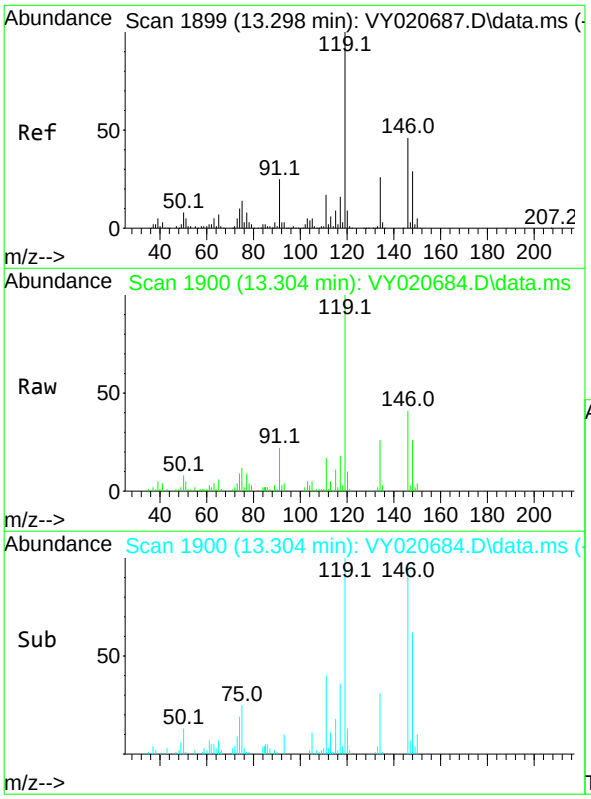
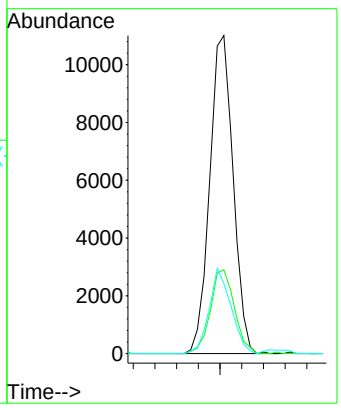
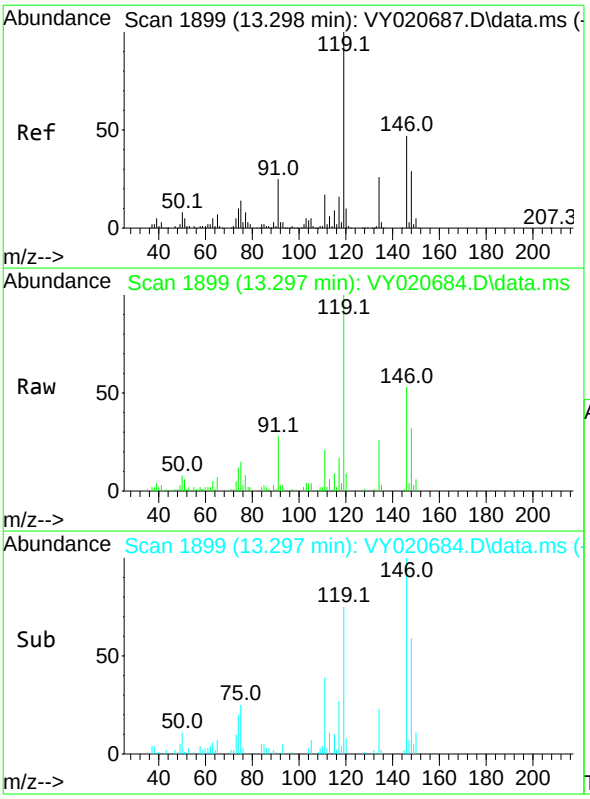


#86
p-Isopropyltoluene
Concen: 4.204 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:119 Resp: 16486

Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.9	38.6
91	24.9	12.1	36.3

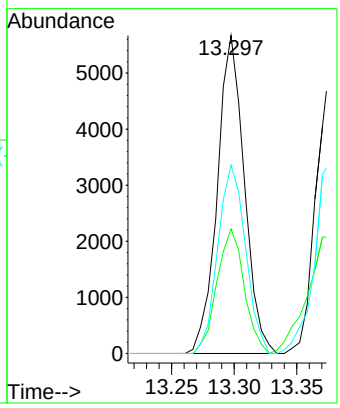




#87
1,3-Dichlorobenzene
Concen: 4.452 ug/l
RT: 13.297 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:146 Resp: 8502

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.8
148	60.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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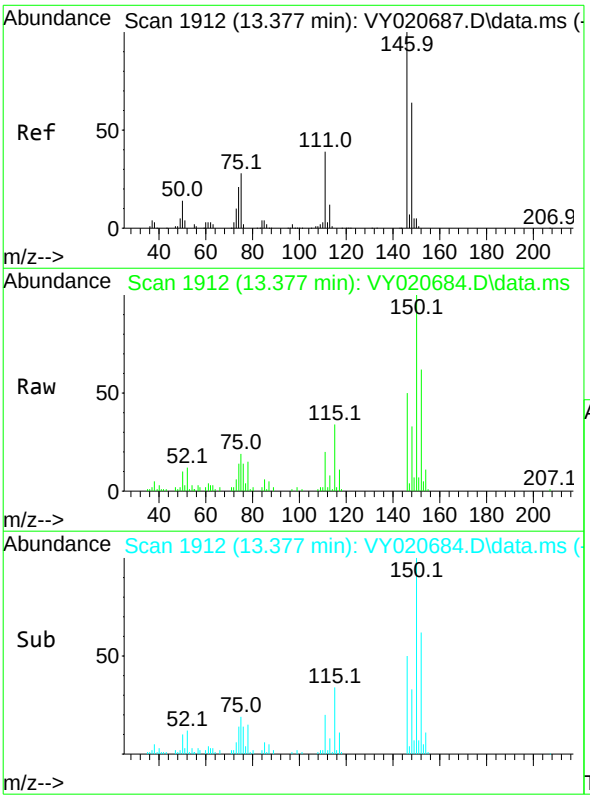
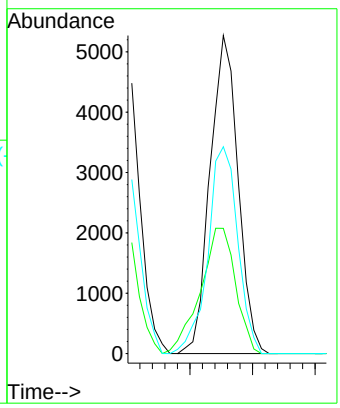
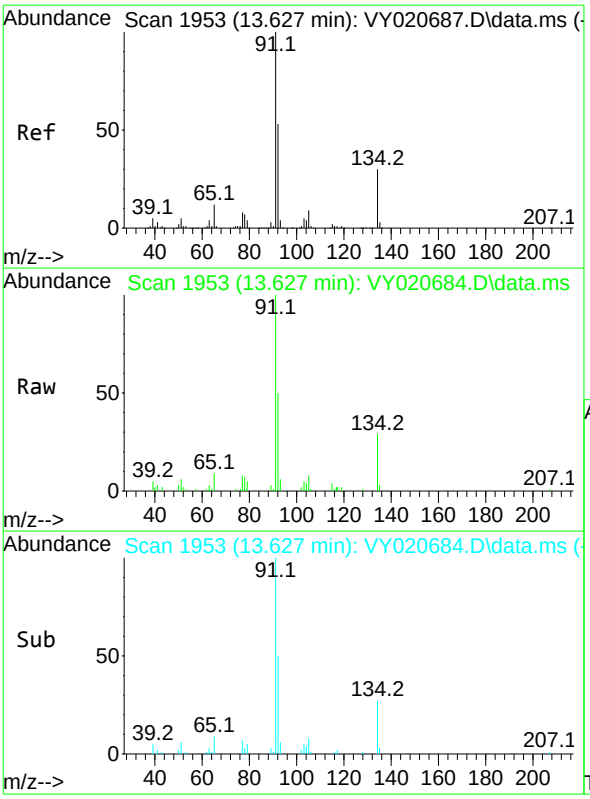


#88
1,4-Dichlorobenzene
Concen: 4.375 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:146 Resp: 8186

Ion	Ratio	Lower	Upper
146	100		
111	49.5	19.6	58.7
148	69.2	31.9	95.5

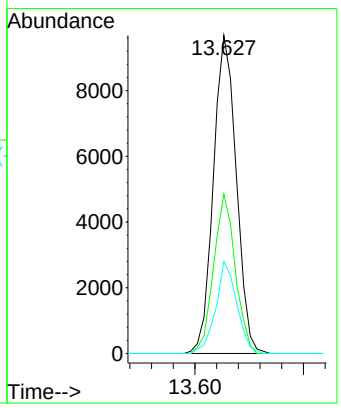




#89
n-Butylbenzene
Concen: 4.288 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 14168

Ion	Ratio	Lower	Upper
91	100		
92	47.3	26.8	80.4
134	26.6	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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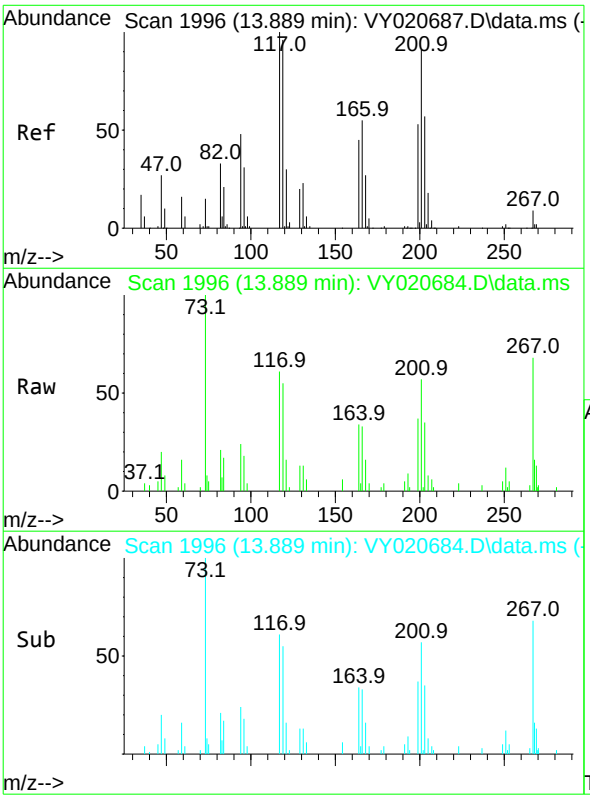
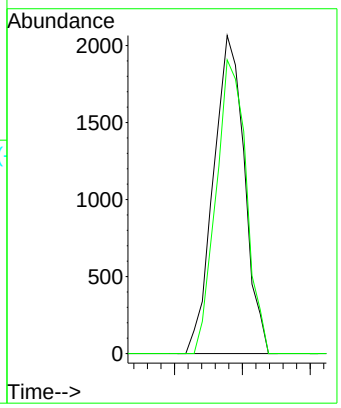
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

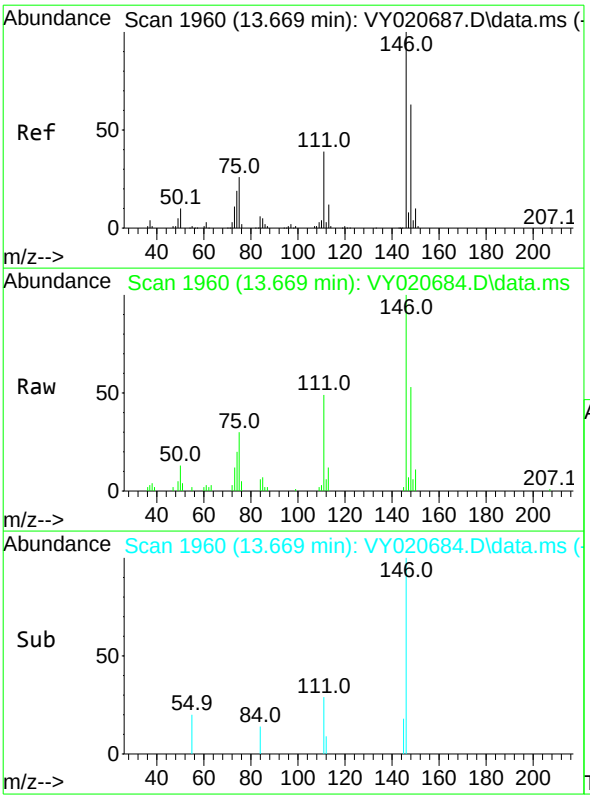


#90
Hexachloroethane
Concen: 4.403 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:117 Resp: 3276

Ion	Ratio	Lower	Upper
117	100		
201	90.0	39.1	117.3

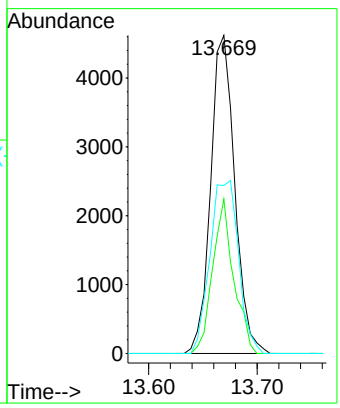




#91
1,2-Dichlorobenzene
Concen: 4.342 ug/l
RT: 13.669 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:146 Resp: 7116

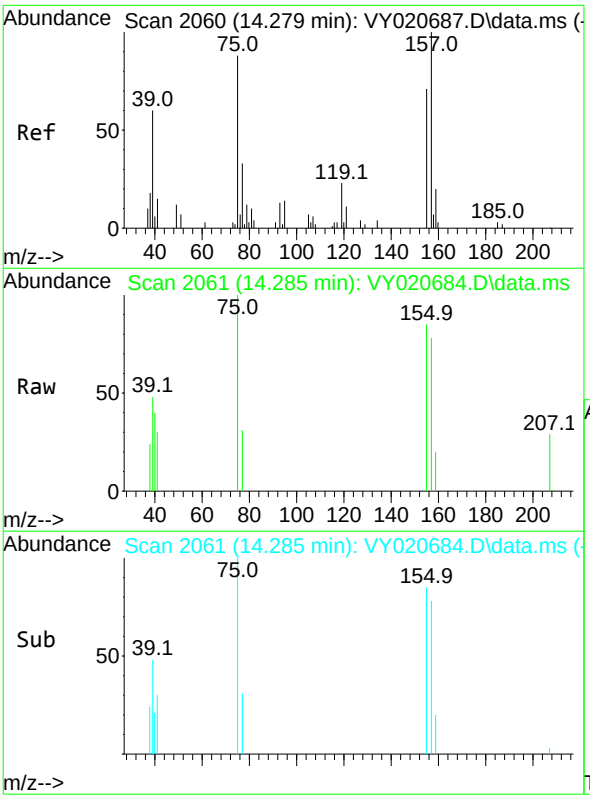
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	64.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

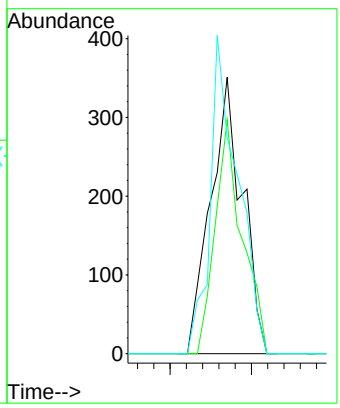
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

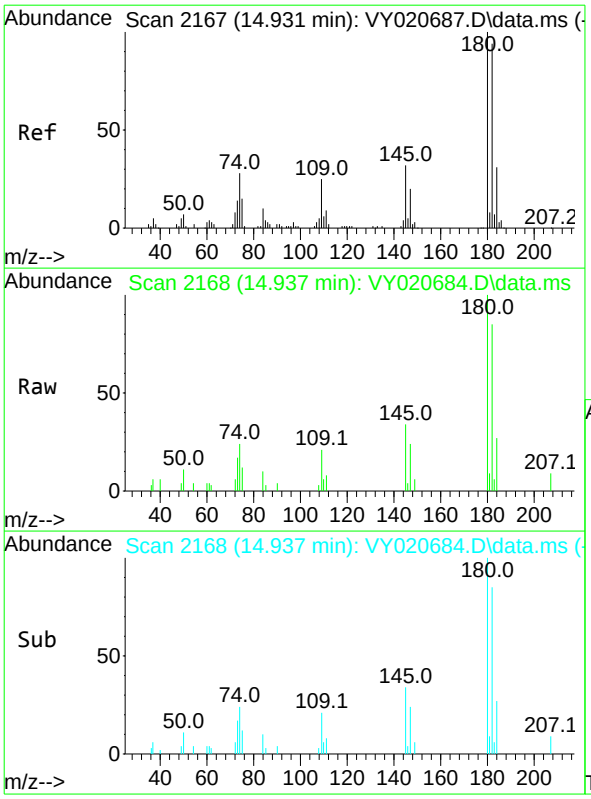


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.516 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 478

Ion	Ratio	Lower	Upper
75	100		
155	71.3	41.1	123.3
157	99.2	52.9	158.8

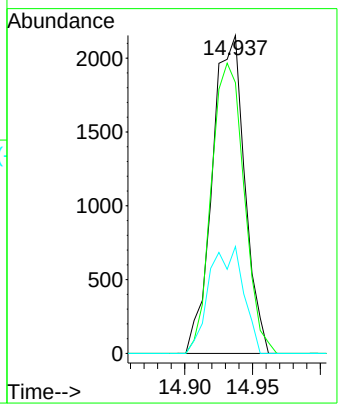




#93
1,2,4-Trichlorobenzene
Concen: 3.671 ug/l
RT: 14.937 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:180 Resp: 3572

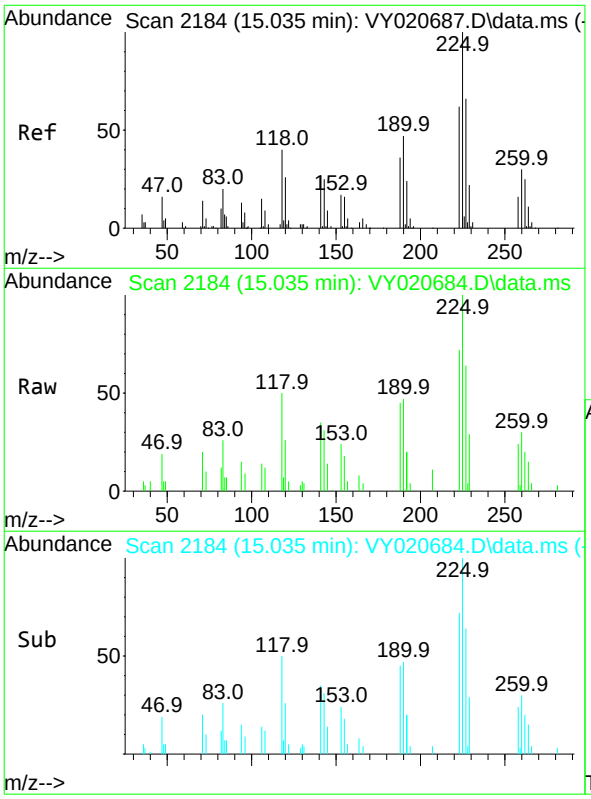
Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.6
145	35.5	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

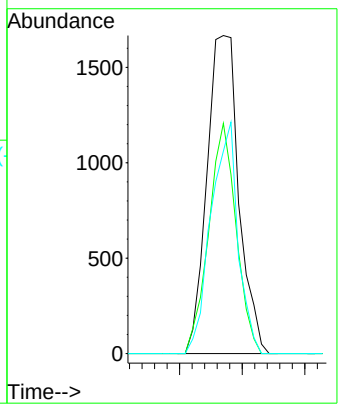
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

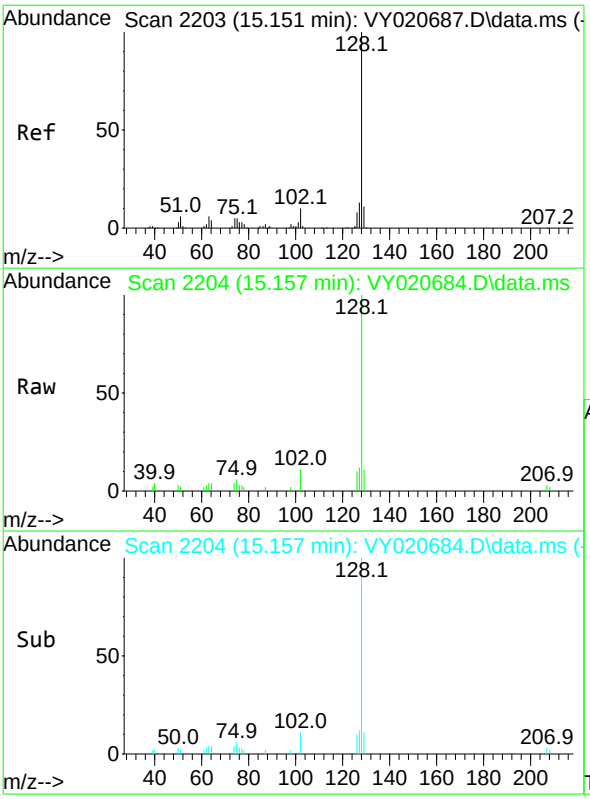


#94
Hexachlorobutadiene
Concen: 4.083 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:225 Resp: 2958

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.3
227	61.3	32.2	96.6

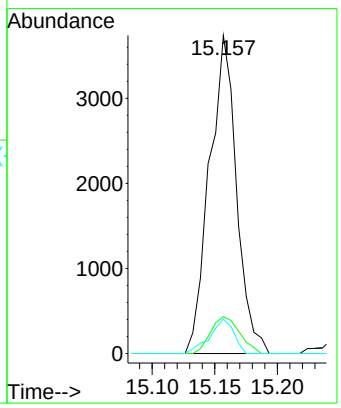




#95
Naphthalene
Concen: 6.410 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:128 Resp: 5634

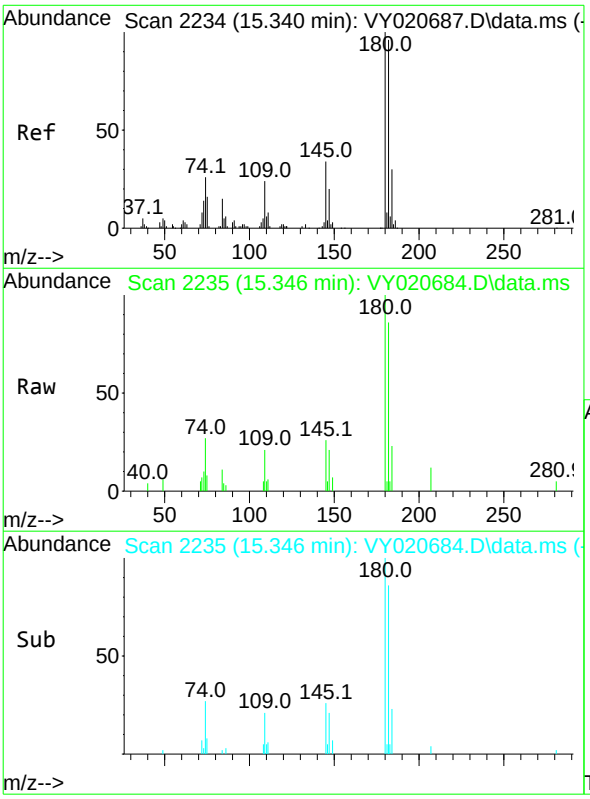
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.7	16.1
129	9.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

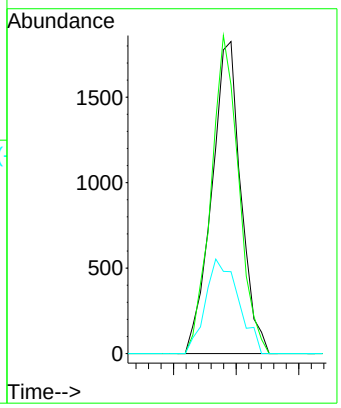
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 3.629 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:180 Resp: 2952

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	34.2	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020685.D
Acq On : 23 Dec 2024 11:53
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 :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:46:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.726	168	111827	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	159520	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	130271	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	64596	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	9094	9.182	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 18.360%#				
35) Dibromofluoromethane	7.652	113	9131	9.748	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.500%#				
50) Toluene-d8	10.115	98	28423	8.355	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 16.700%#				
62) 4-Bromofluorobenzene	12.414	95	11910	9.618	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 19.240%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	8756	10.163	ug/l		99
3) Chloromethane	2.080	50	3683	10.493	ug/l		97
4) Vinyl Chloride	2.214	62	4383	10.243	ug/l		98
5) Bromomethane	2.611	94	2968	9.822	ug/l		84
6) Chloroethane	2.757	64	2564	9.859	ug/l		90
7) Trichlorofluoromethane	3.080	101	15364	9.984	ug/l		93
8) Diethyl Ether	3.470	74	3371	9.152	ug/l		82
9) 1,1,2-Trichlorotrifluo...	3.836	101	8635	10.276	ug/l		94
10) Methyl Iodide	4.031	142	9233	9.538	ug/l		88
11) Tert butyl alcohol	4.879	59	4578m	57.742	ug/l		
12) 1,1-Dichloroethene	3.812	96	7632	10.233	ug/l		84
13) Acrolein	3.671	56	1436	44.170	ug/l		98
14) Allyl chloride	4.403	41	8329	9.524	ug/l	#	74
15) Acrylonitrile	5.092	53	6244	45.990	ug/l	#	81
16) Acetone	3.891	43	5438	48.071	ug/l		98
17) Carbon Disulfide	4.135	76	17169	9.234	ug/l		99
18) Methyl Acetate	4.409	43	2692	9.198	ug/l		92
19) Methyl tert-butyl Ether	5.135	73	19446	9.586	ug/l	#	90
20) Methylene Chloride	4.641	84	7734	10.260	ug/l	#	80
21) trans-1,2-Dichloroethene	5.135	96	7832	9.739	ug/l		87
22) Diisopropyl ether	6.037	45	18172	10.164	ug/l	#	87
23) Vinyl Acetate	5.982	43	50811	47.993	ug/l	#	85
24) 1,1-Dichloroethane	5.939	63	13038	9.782	ug/l		98
25) 2-Butanone	6.915	43	7804	49.109	ug/l	#	78
26) 2,2-Dichloropropane	6.909	77	17187	10.307	ug/l		100
27) cis-1,2-Dichloroethene	6.909	96	9288	9.697	ug/l		95
28) Bromochloromethane	7.268	49	2654	9.717	ug/l	#	62
29) Tetrahydrofuran	7.281	42	4413	47.247	ug/l	#	75
30) Chloroform	7.439	83	17873	10.202	ug/l		97
31) Cyclohexane	7.713	56	12456	10.659	ug/l	#	79
32) 1,1,1-Trichloroethane	7.634	97	18665	10.198	ug/l		96
36) 1,1-Dichloropropene	7.848	75	11409	10.021	ug/l		98
37) Ethyl Acetate	7.000	43	3786m	10.175	ug/l		
38) Carbon Tetrachloride	7.829	117	18663	10.130	ug/l		96
39) Methylcyclohexane	9.116	83	14158	9.783	ug/l		94
40) Benzene	8.097	78	32524	9.902	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020685.D
Acq On : 23 Dec 2024 11:53
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 :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:46:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	1825m	8.666	ug/l		
42) 1,2-Dichloroethane	8.171	62	10330	9.889	ug/l		96
43) Isopropyl Acetate	8.207	43	6937	8.970	ug/l	#	91
44) Trichloroethene	8.872	130	9764	10.017	ug/l		88
45) 1,2-Dichloropropane	9.152	63	6287	9.742	ug/l		93
46) Dibromomethane	9.238	93	4188	9.400	ug/l		92
47) Bromodichloromethane	9.439	83	12253	9.696	ug/l	#	90
48) Methyl methacrylate	9.231	41	3454	9.422	ug/l	#	86
49) 1,4-Dioxane	9.238	88	735	168.248	ug/l	#	70
51) 4-Methyl-2-Pentanone	10.012	43	17723	45.877	ug/l		93
52) Toluene	10.182	92	21930	9.805	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	10315	9.224	ug/l		95
54) cis-1,3-Dichloropropene	9.865	75	11785	9.564	ug/l		95
55) 1,1,2-Trichloroethane	10.579	97	5597	9.703	ug/l		91
56) Ethyl methacrylate	10.445	69	6394	8.689	ug/l	#	86
57) 1,3-Dichloropropane	10.725	76	9135	9.688	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	11423	41.542	ug/l	#	82
59) 2-Hexanone	10.768	43	10688	43.435	ug/l		97
60) Dibromochloromethane	10.920	129	8643	9.384	ug/l		99
61) 1,2-Dibromoethane	11.024	107	5475	10.124	ug/l		91
64) Tetrachloroethene	10.658	164	8830	10.206	ug/l		96
65) Chlorobenzene	11.451	112	24287	9.977	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	9578	10.075	ug/l		94
67) Ethyl Benzene	11.530	91	44246	10.131	ug/l		98
68) m/p-Xylenes	11.640	106	33608	20.179	ug/l		99
69) o-Xylene	11.963	106	15881	10.151	ug/l		100
70) Styrene	11.981	104	26723	10.155	ug/l		99
71) Bromoform	12.139	173	5082	9.333	ug/l	#	99
73) Isopropylbenzene	12.261	105	44119	10.041	ug/l		98
74) N-amyl acetate	12.078	43	5311	8.602	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	5736	10.145	ug/l		96
76) 1,2,3-Trichloropropane	12.566	75	4800m	11.337	ug/l		
77) Bromobenzene	12.542	156	10068	10.063	ug/l		82
78) n-propylbenzene	12.603	91	50644	10.224	ug/l		95
79) 2-Chlorotoluene	12.688	91	28781	10.206	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	36685	10.066	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.316	75	1974	9.632	ug/l		93
82) 4-Chlorotoluene	12.786	91	28608	9.947	ug/l		95
83) tert-Butylbenzene	13.005	119	33707	9.940	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	35512	9.975	ug/l		97
85) sec-Butylbenzene	13.182	105	45121	9.882	ug/l		97
86) p-Isopropyltoluene	13.298	119	38967	9.762	ug/l		95
87) 1,3-Dichlorobenzene	13.292	146	19361	9.961	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	19190	10.077	ug/l		94
89) n-Butylbenzene	13.627	91	32356	9.622	ug/l		96
90) Hexachloroethane	13.889	117	7462	9.854	ug/l		87
91) 1,2-Dichlorobenzene	13.670	146	16674	9.996	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1036	9.616	ug/l		92
93) 1,2,4-Trichlorobenzene	14.932	180	8620	8.704	ug/l		99
94) Hexachlorobutadiene	15.029	225	6847	9.286	ug/l		98
95) Naphthalene	15.157	128	12784	9.985	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	7047	8.512	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020685.D
Acq On : 23 Dec 2024 11:53
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 :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:46:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 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

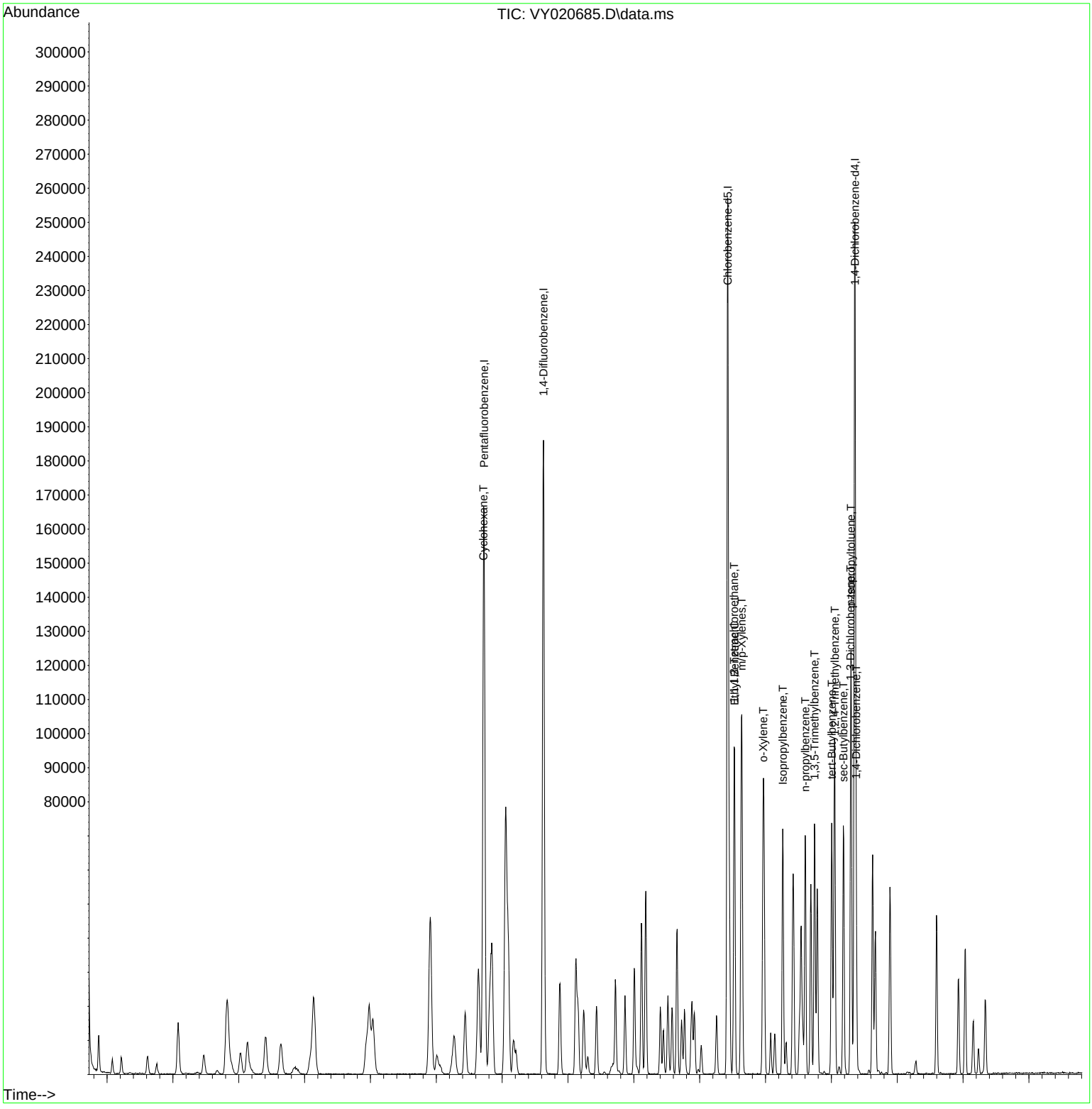
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020685.D
Acq On : 23 Dec 2024 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

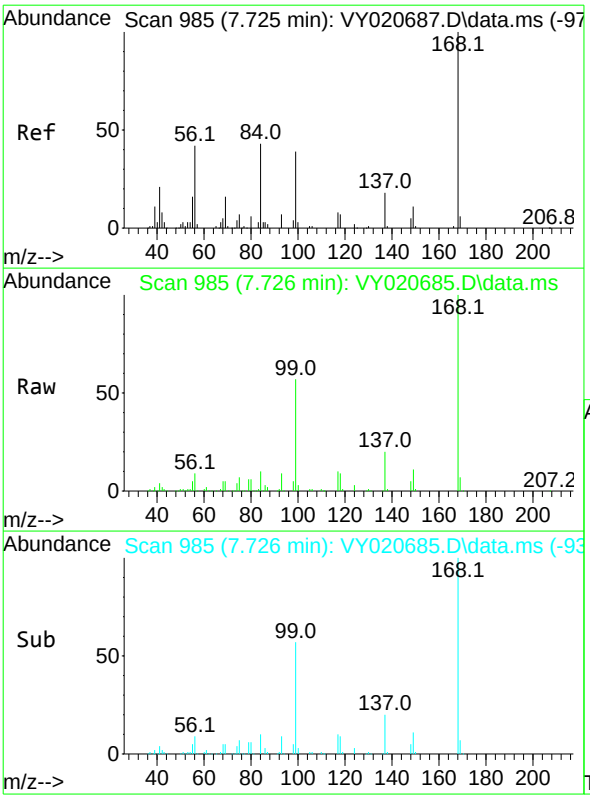
Quant Time: Dec 23 13:46:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

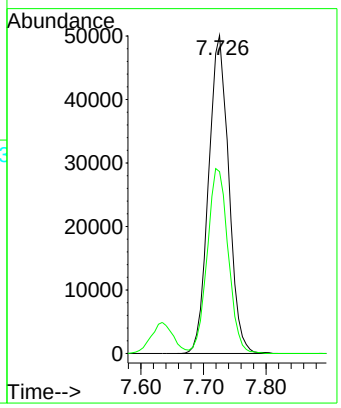




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 98
Delta R.T. 0.001 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:168 Resp: 111827

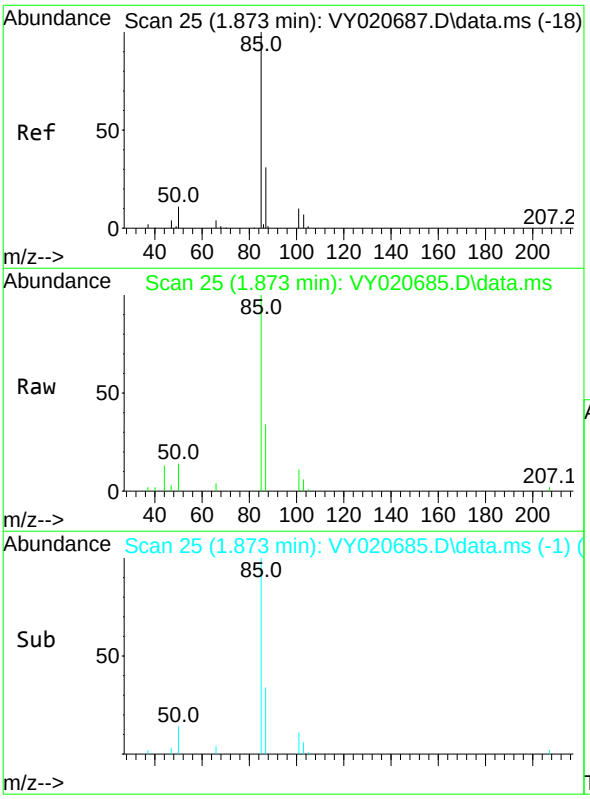
Ion	Ratio	Lower	Upper
168	100		
99	57.2	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

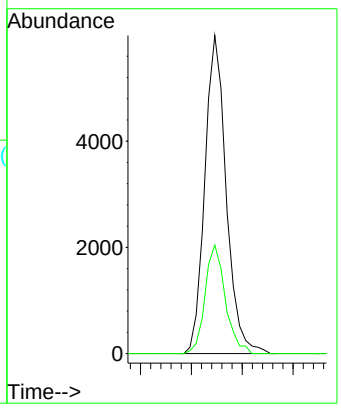
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

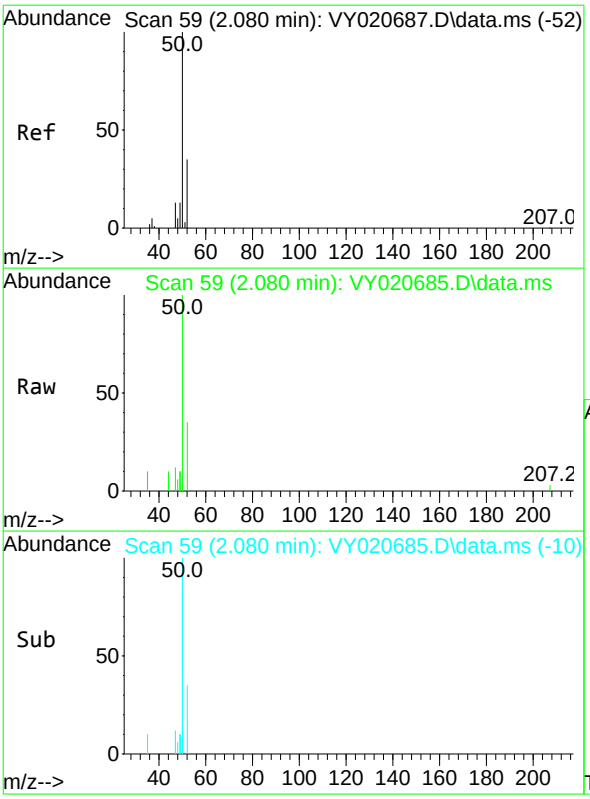


#2
Dichlorodifluoromethane
Concen: 10.163 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 85 Resp: 8756

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.8	50.3

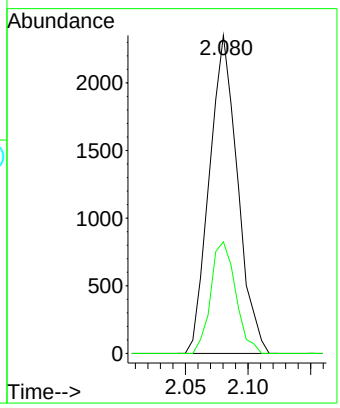




#3
Chloromethane
Concen: 10.493 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 50 Resp: 3683

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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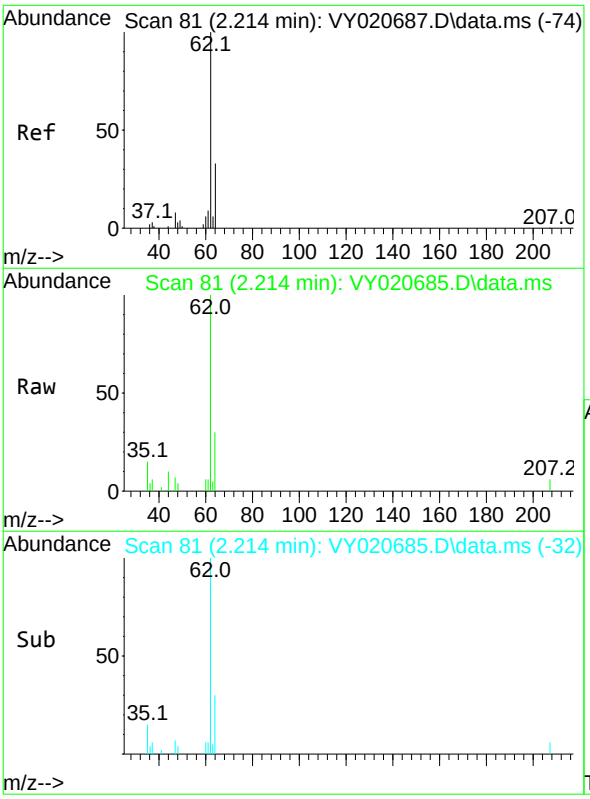
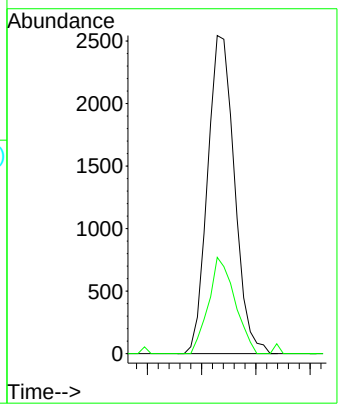
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

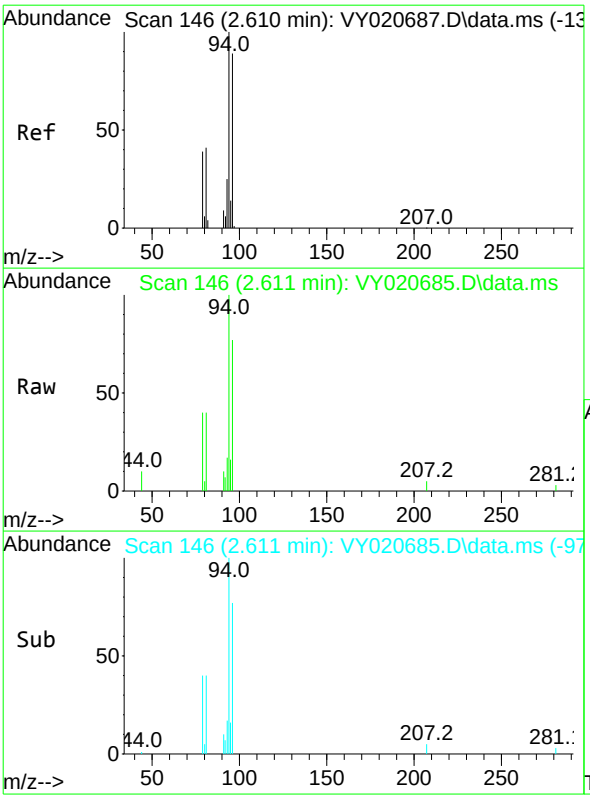


#4
Vinyl Chloride
Concen: 10.243 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 62 Resp: 4383

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.3	37.9

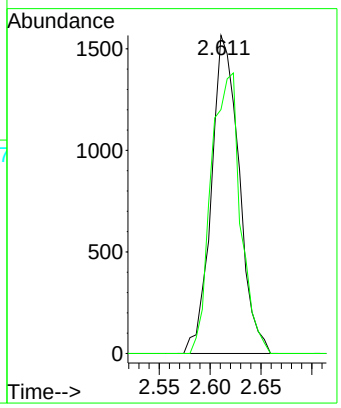




#5
Bromomethane
Concen: 9.822 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 94 Resp: 2968

Ion	Ratio	Lower	Upper
94	100		
96	76.7	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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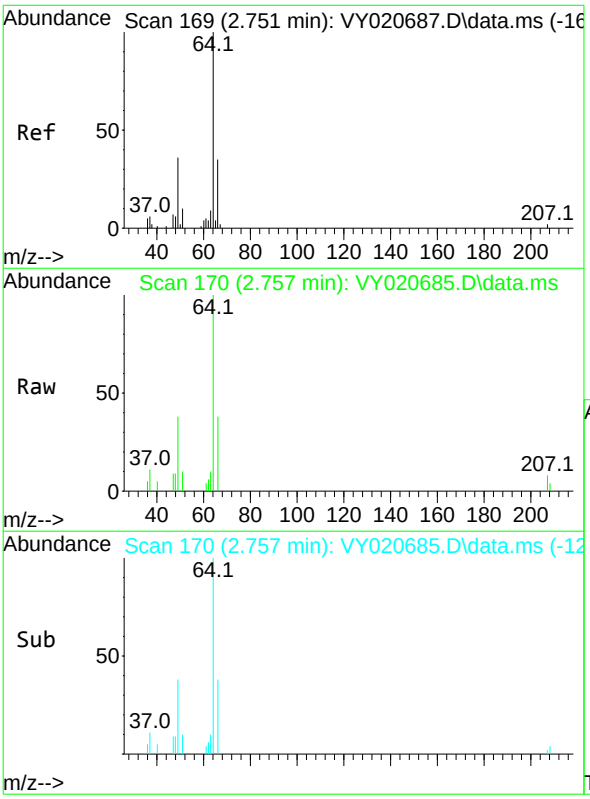
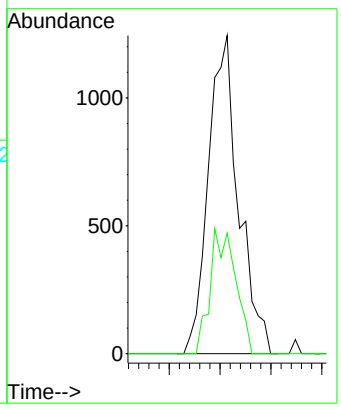
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

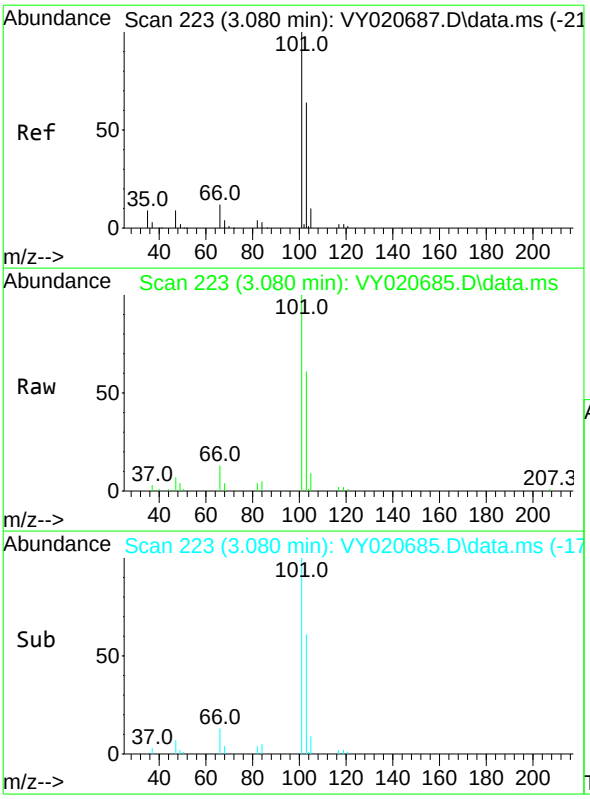


#6
Chloroethane
Concen: 9.859 ug/l
RT: 2.757 min Scan# 170
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 64 Resp: 2564

Ion	Ratio	Lower	Upper
64	100		
66	37.9	25.8	38.6

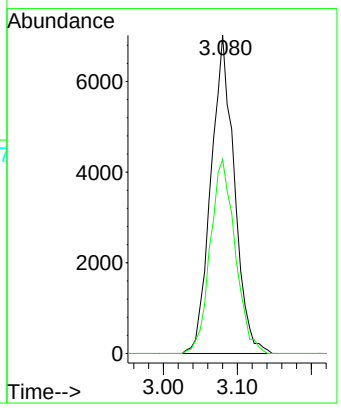




#7
Trichlorofluoromethane
Concen: 9.984 ug/l
RT: 3.080 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:101 Resp: 15364

Ion	Ratio	Lower	Upper
101	100		
103	61.0	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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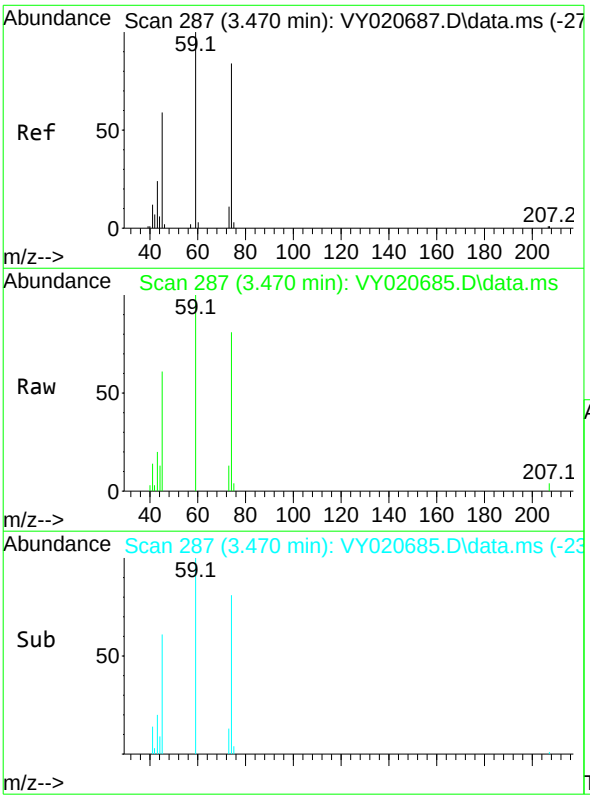
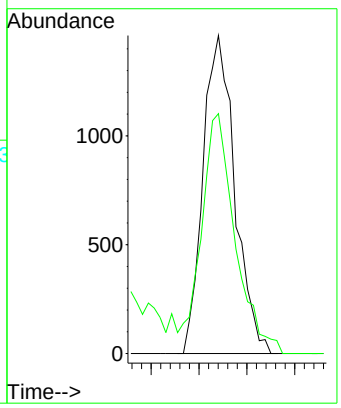
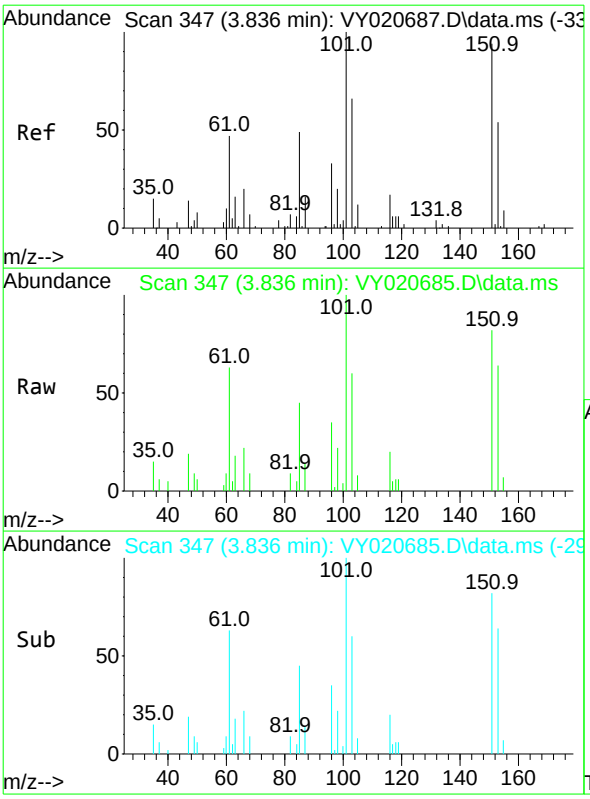


#8
Diethyl Ether
Concen: 9.152 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 74 Resp: 3371

Ion	Ratio	Lower	Upper
74	100		
45	79.9	49.0	147.2

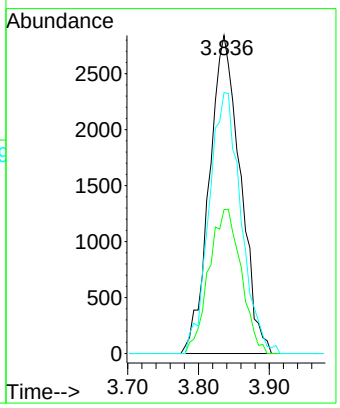




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.276 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:101 Resp: 8635

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.6	54.8
151	84.4	61.5	92.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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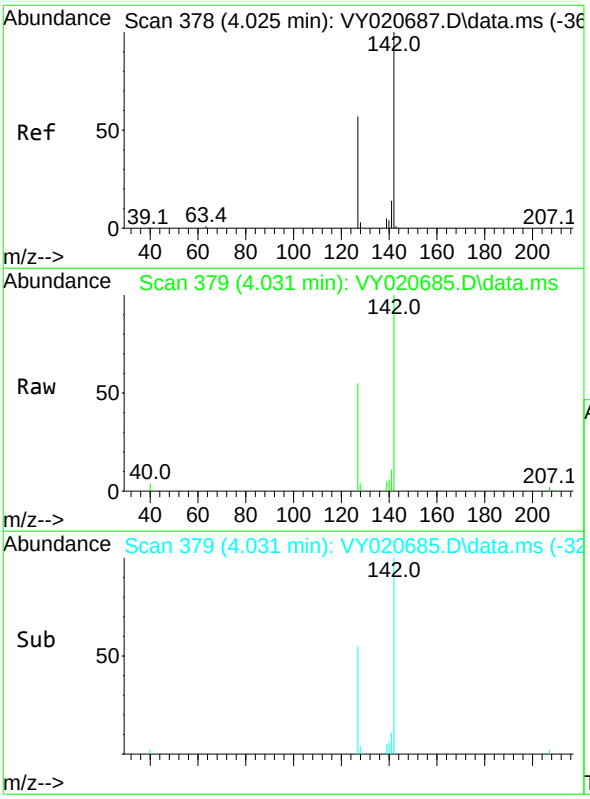
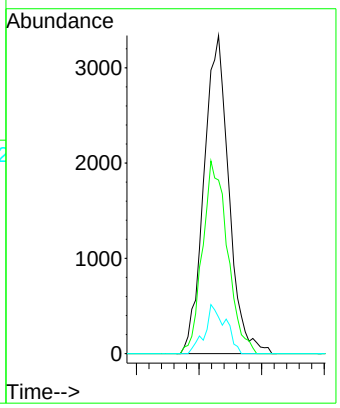
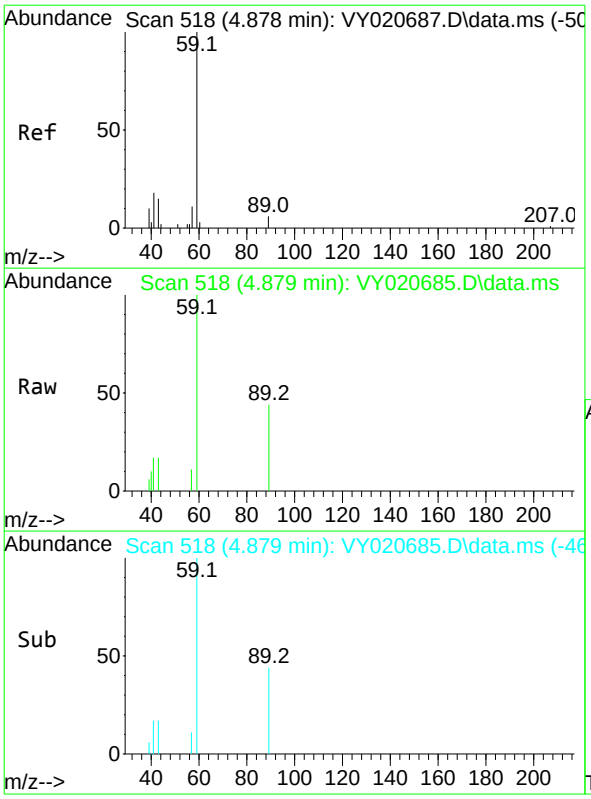


#10
Methyl Iodide
Concen: 9.538 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:142 Resp: 9233

Ion	Ratio	Lower	Upper
142	100		
127	60.6	40.6	61.0
141	12.8	11.7	17.5

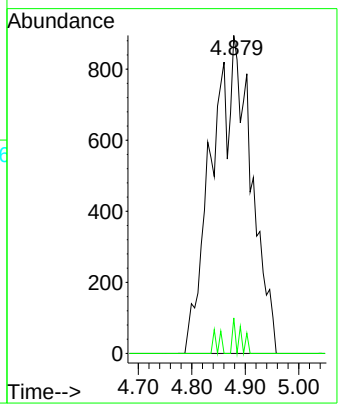




#11
Tert butyl alcohol
Concen: 57.742 ug/l m
RT: 4.879 min Scan# 51
Delta R.T. 0.001 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 59 Resp: 4578

Ion	Ratio	Lower	Upper
59	100		
57	1.9	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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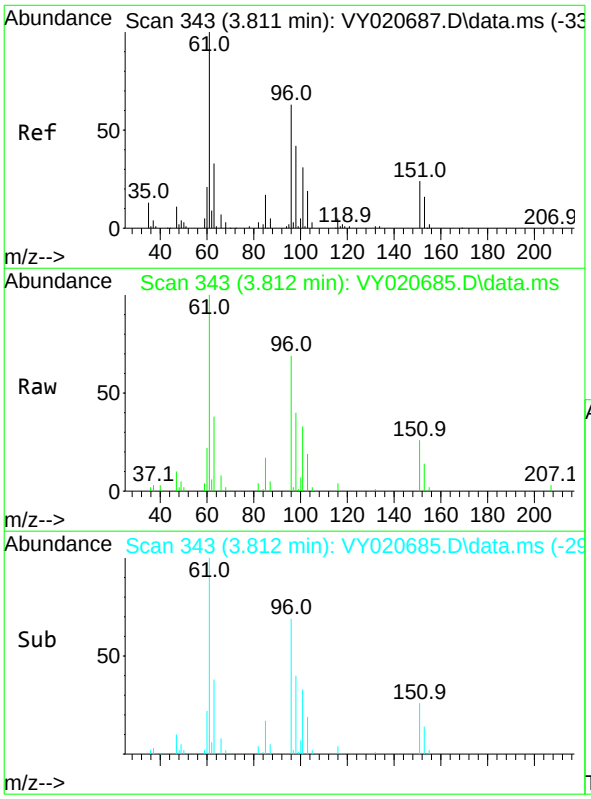
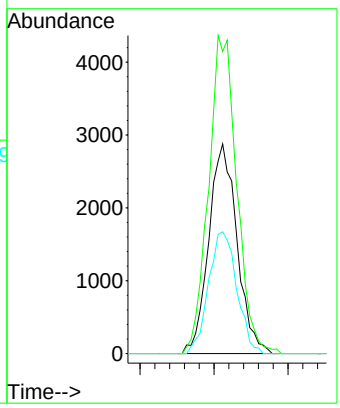
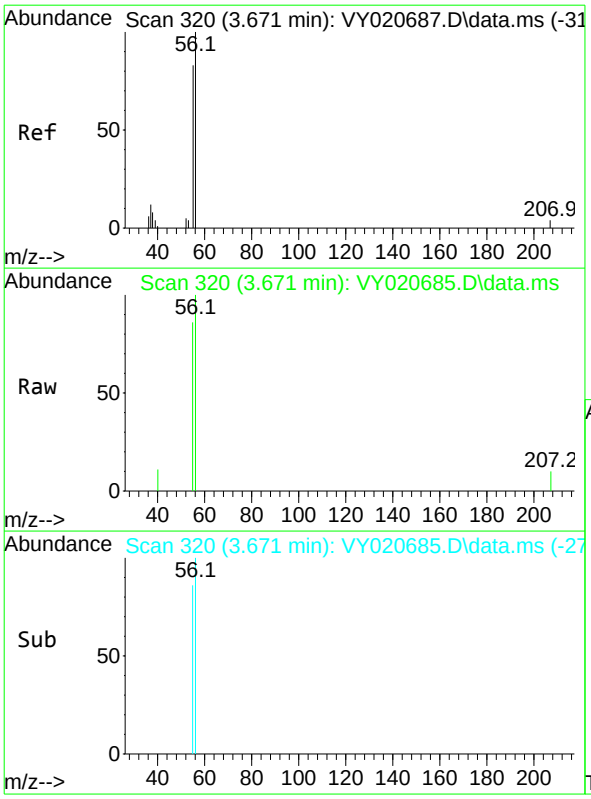


#12
1,1-Dichloroethene
Concen: 10.233 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 96 Resp: 7632

Ion	Ratio	Lower	Upper
96	100		
61	144.1	136.9	205.3
98	58.1	50.2	75.4

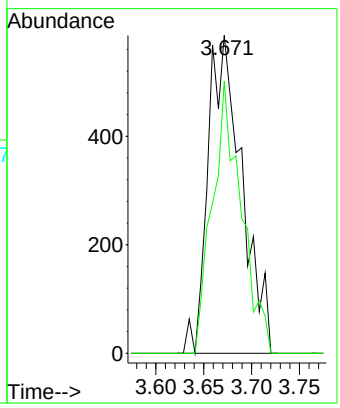




#13
Acrolein
Concen: 44.170 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 56 Resp: 1436

Ion	Ratio	Lower	Upper
56	100		
55	73.2	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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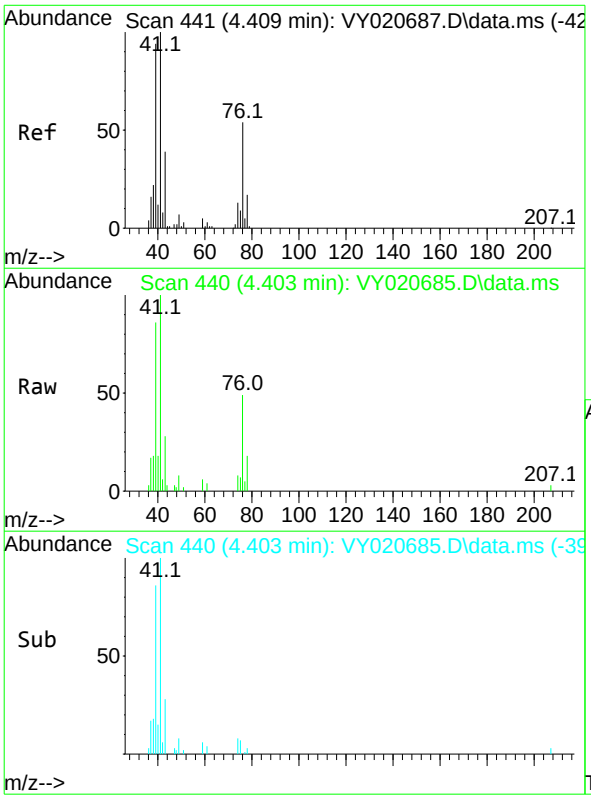
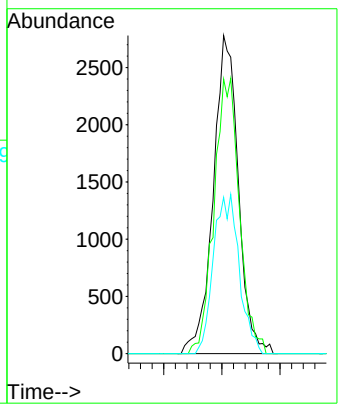
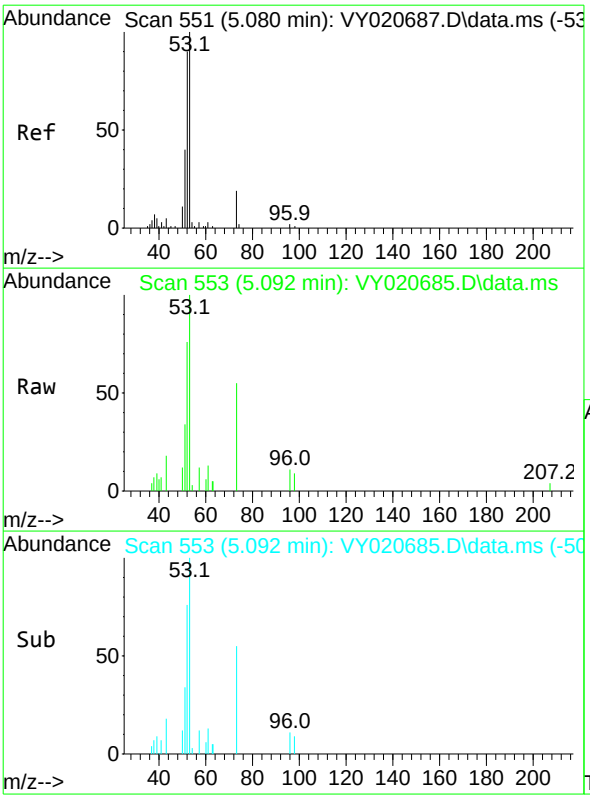


#14
Allyl chloride
Concen: 9.524 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 41 Resp: 8329

Ion	Ratio	Lower	Upper
41	100		
39	87.6	53.0	79.4#
76	51.1	29.5	44.3#

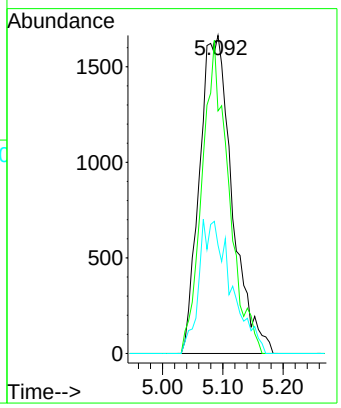




#15
Acrylonitrile
Concen: 45.990 ug/l
RT: 5.092 min Scan# 55
Delta R.T. 0.012 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 53 Resp: 6244

Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.5	96.7
51	0.0	29.4	44.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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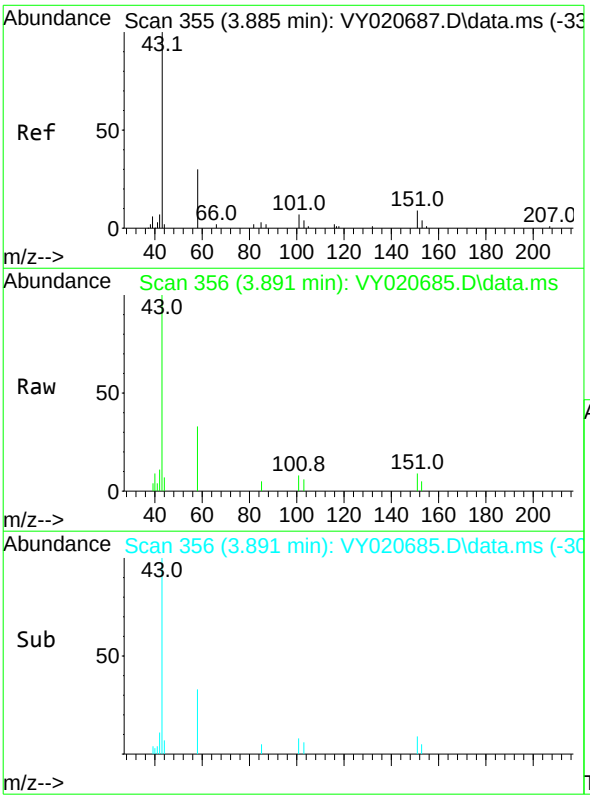
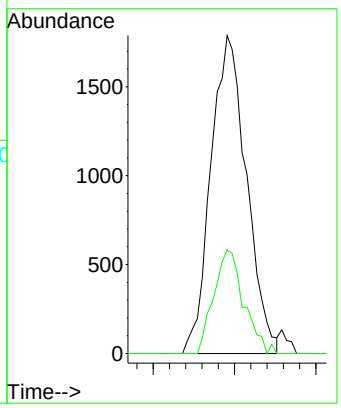
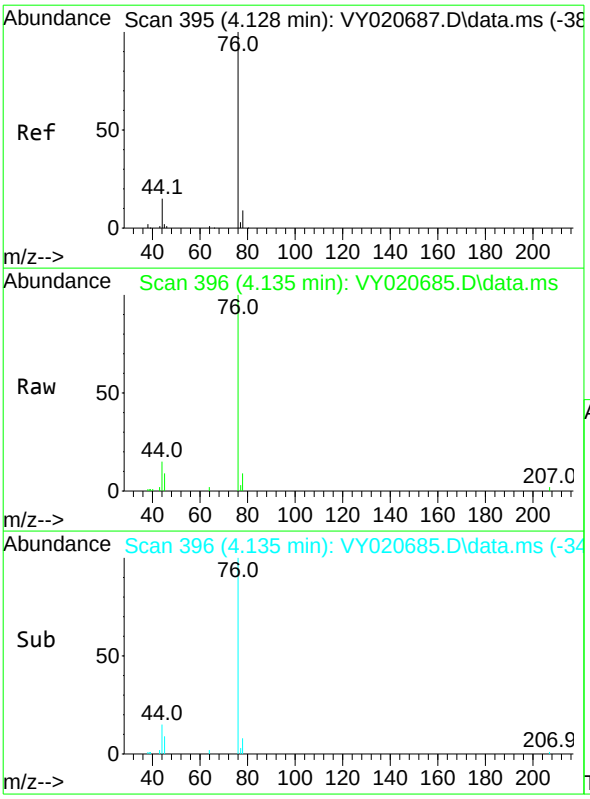


#16
Acetone
Concen: 48.071 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 5438

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.0	37.6

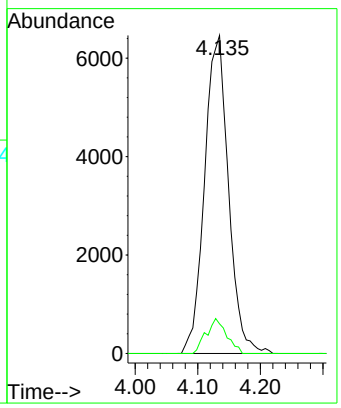




#17
Carbon Disulfide
Concen: 9.234 ug/l
RT: 4.135 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 76 Resp: 17169

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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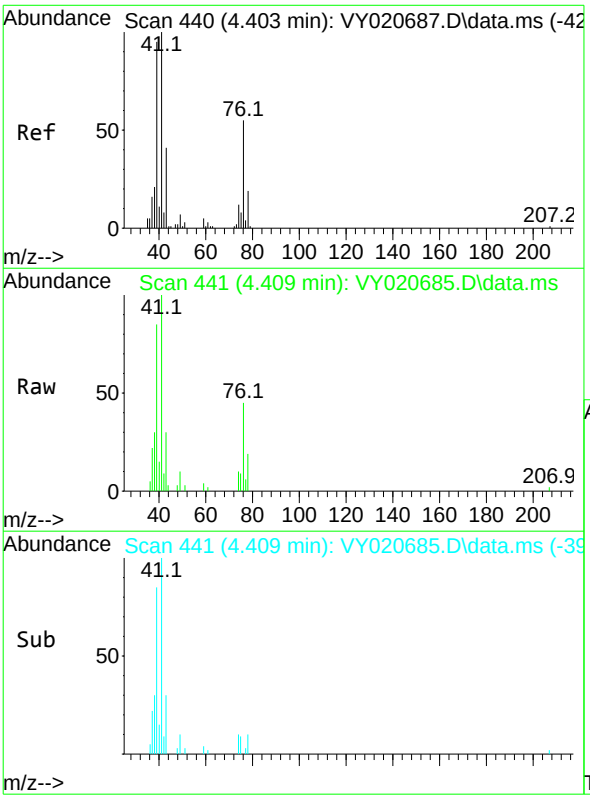
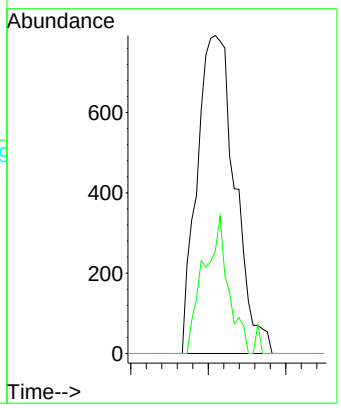
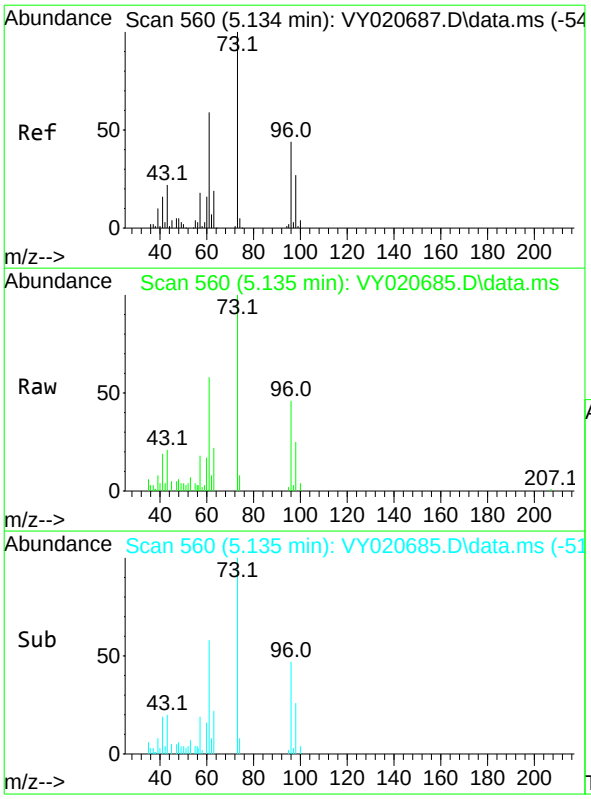


#18
Methyl Acetate
Concen: 9.198 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 2692

Ion	Ratio	Lower	Upper
43	100		
74	28.2	19.2	28.8

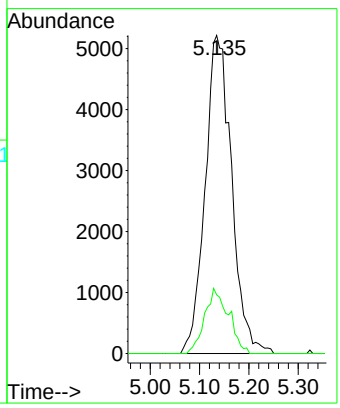




#19
Methyl tert-butyl Ether
Concen: 9.586 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 73 Resp: 19446

Ion	Ratio	Lower	Upper
73	100		
57	18.4	18.5	27.7#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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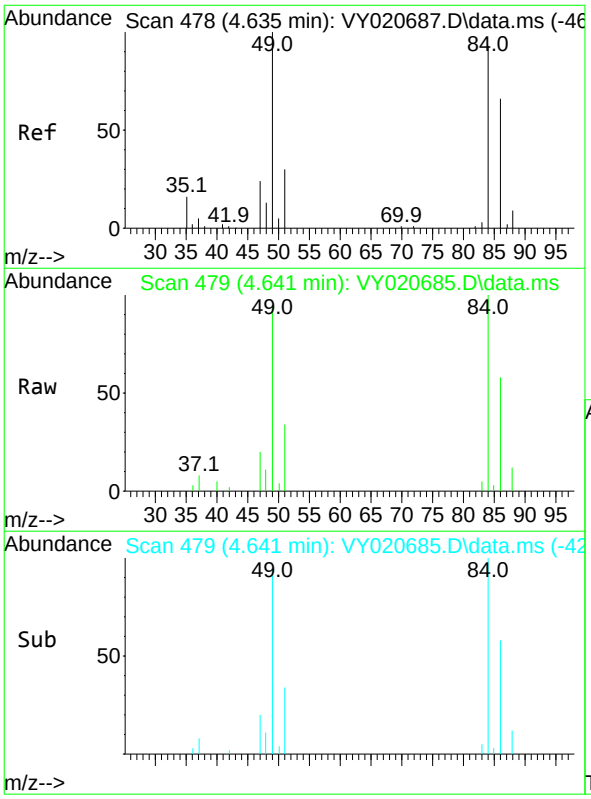
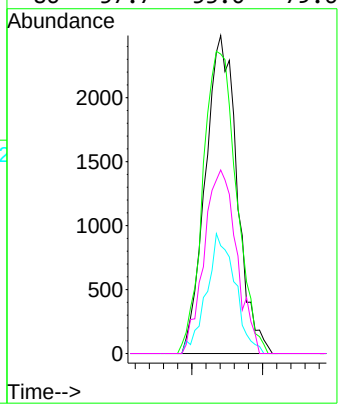
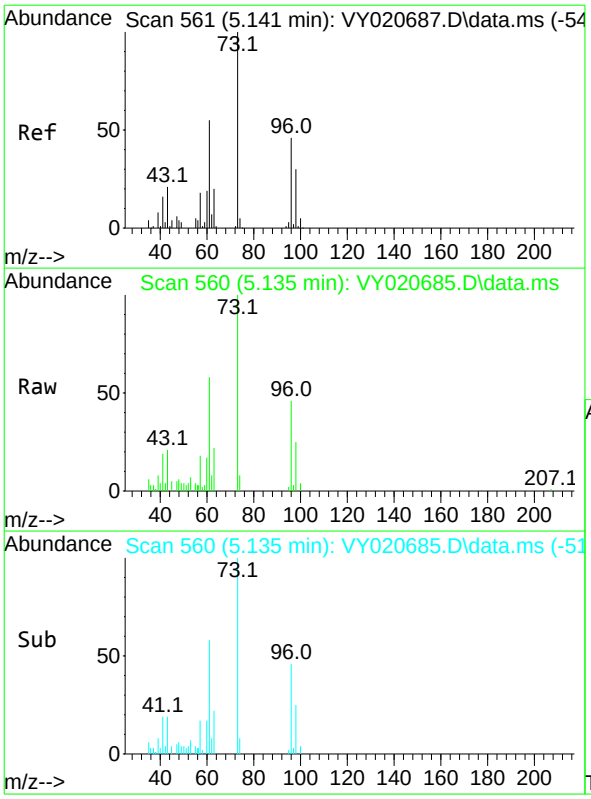


#20
Methylene Chloride
Concen: 10.260 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 84 Resp: 7734

Ion	Ratio	Lower	Upper
84	100		
49	94.2	100.7	151.1#
51	33.9	32.2	48.2
86	57.7	53.0	79.6





#21
trans-1,2-Dichloroethene
Concen: 9.739 ug/l
RT: 5.135 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 96 Resp: 7832

Ion	Ratio	Lower	Upper
96	100		
61	124.9	113.7	170.5
98	55.0	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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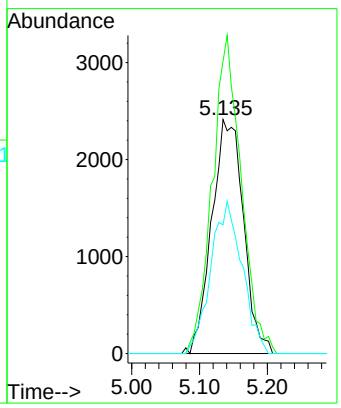
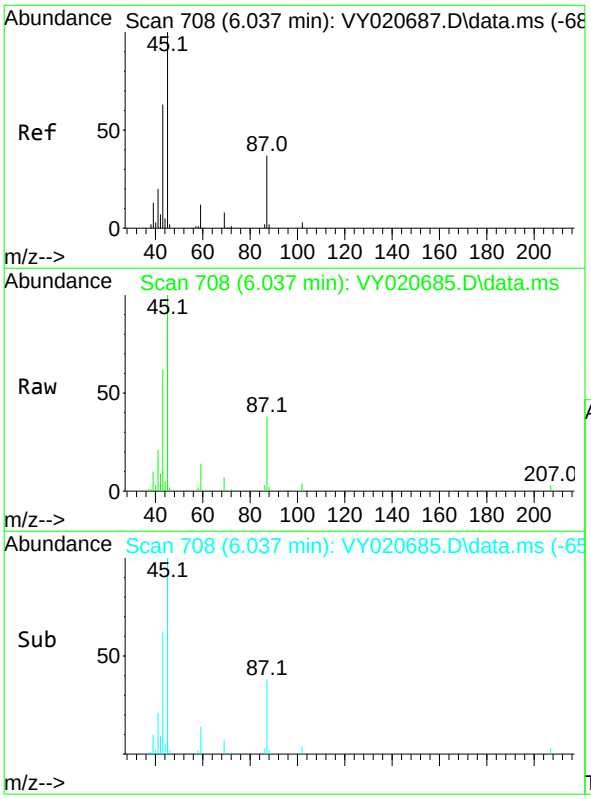
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

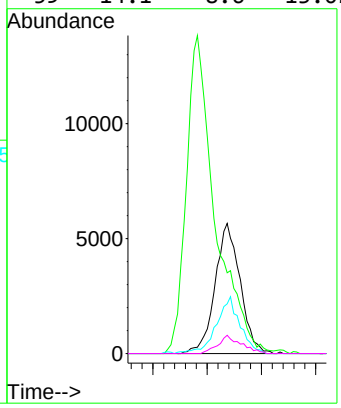


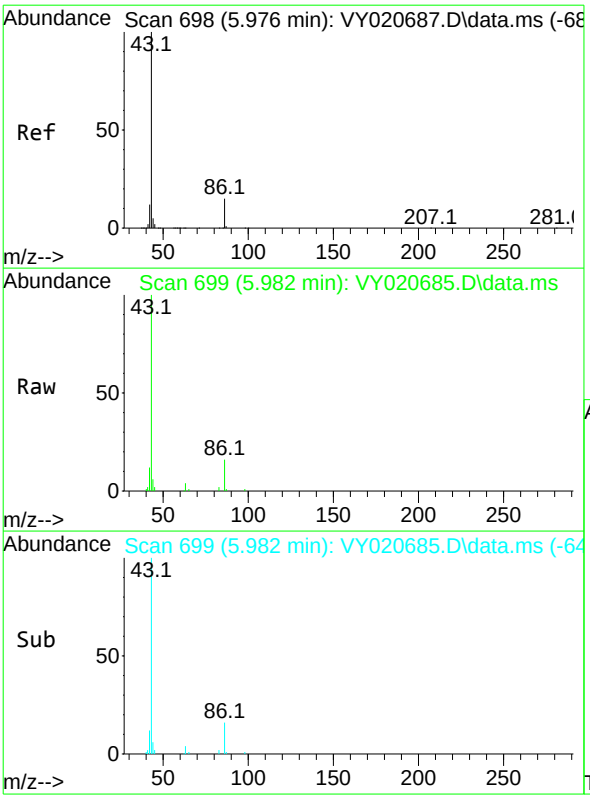


#22
Diisopropyl ether
Concen: 10.164 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 45 Resp: 18172

Ion	Ratio	Lower	Upper
45	100		
43	59.6	42.6	64.0
87	38.2	20.6	31.0#
59	14.1	8.6	13.0#

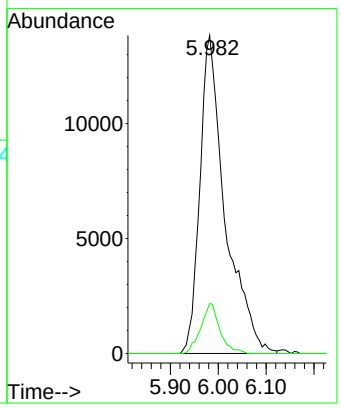




#23
Vinyl Acetate
Concen: 47.993 ug/l
RT: 5.982 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 50811

Ion	Ratio	Lower	Upper
43	100		
86	15.7	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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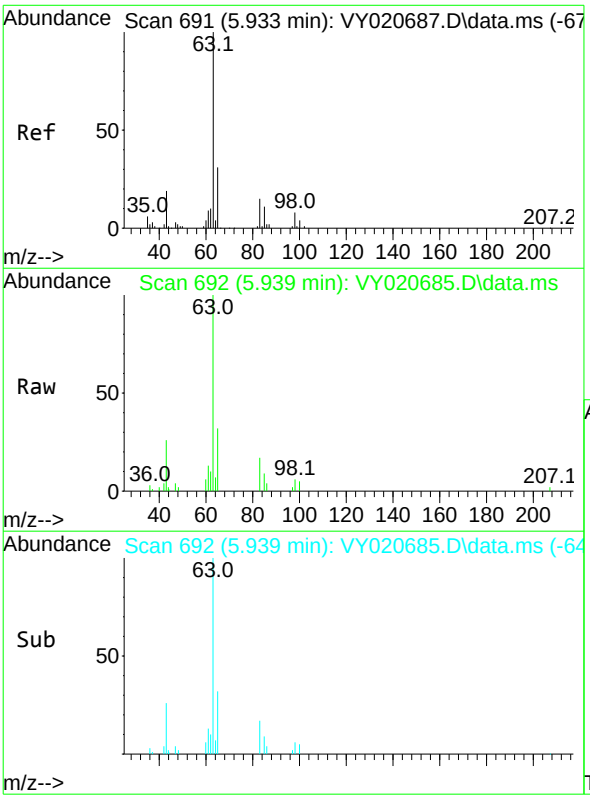
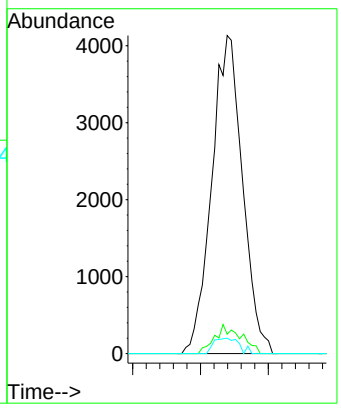
Supervised By :Mahesh Dadoda 12/26/2024

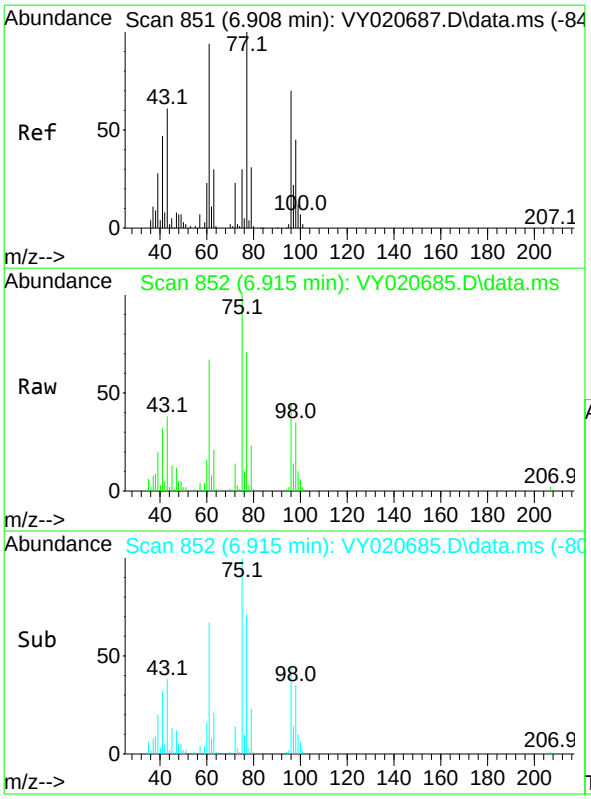


#24
1,1-Dichloroethane
Concen: 9.782 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 63 Resp: 13038

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.1
100	4.8	2.1	6.5





#25
2-Butanone
Concen: 49.109 ug/l
RT: 6.915 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 7804

Ion	Ratio	Lower	Upper
43	100		
72	36.8	20.6	31.0#

Instrument :
MSVOA_Y
ClientSampleId :
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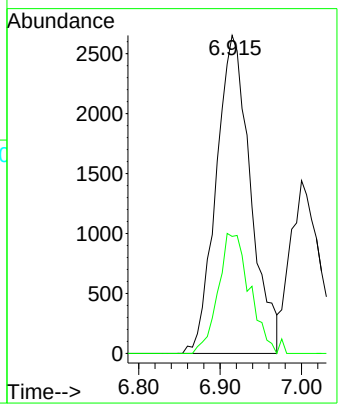
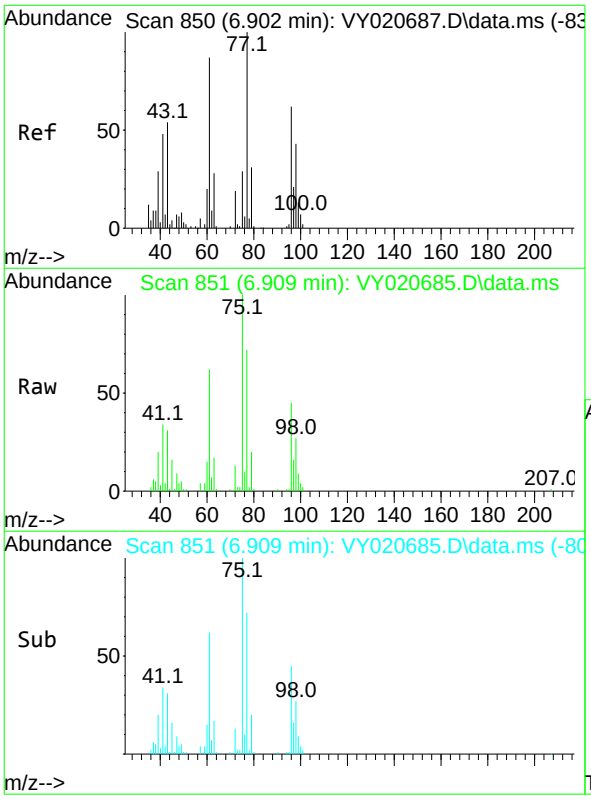
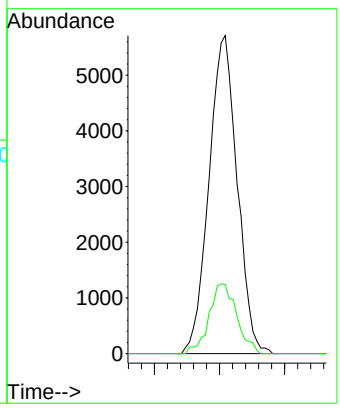


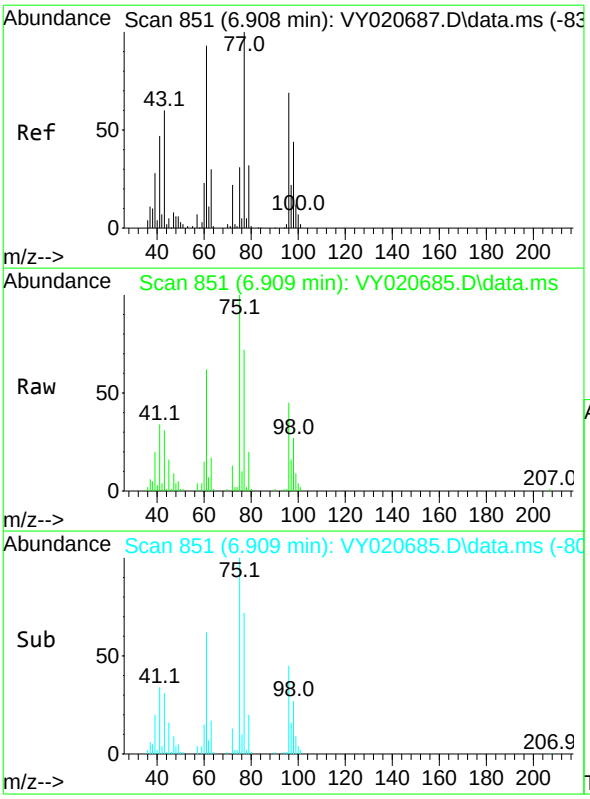


#26
2,2-Dichloropropane
Concen: 10.307 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 77 Resp: 17187

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 9.697 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 96 Resp: 9288

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	306.2
98	67.4	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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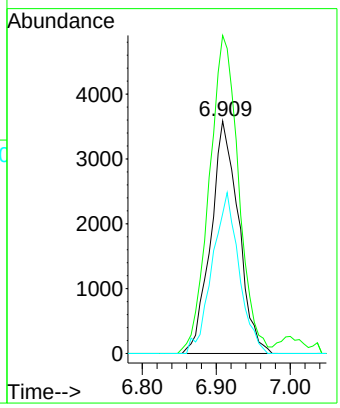
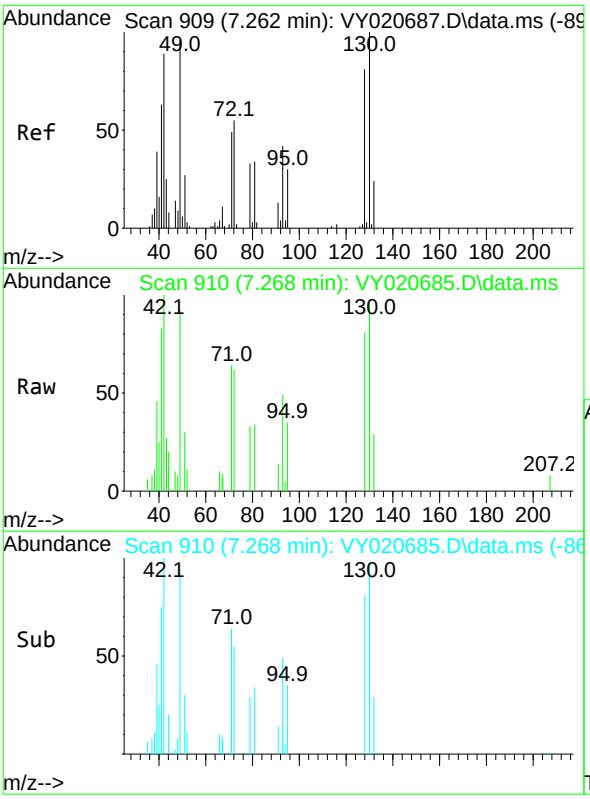
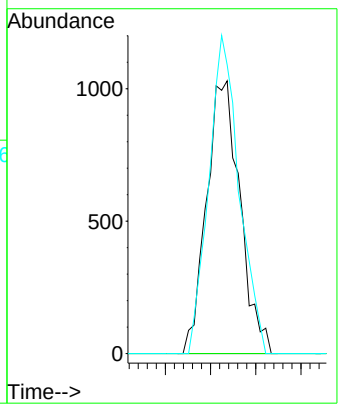


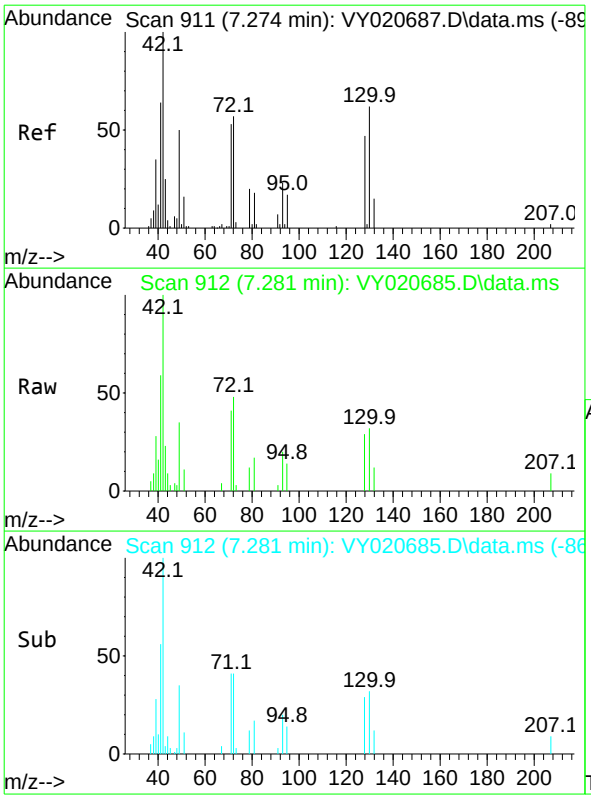


#28
Bromochloromethane
Concen: 9.717 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 49 Resp: 2654

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	105.8	58.3	87.5#

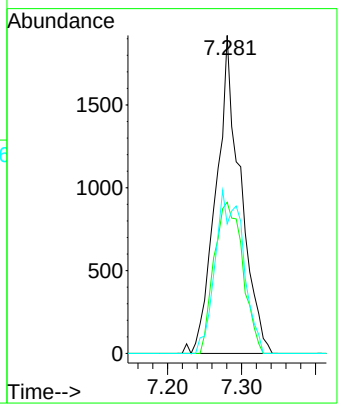




#29
Tetrahydrofuran
Concen: 47.247 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 42 Resp: 4413

Ion	Ratio	Lower	Upper
42	100		
72	55.4	34.0	51.0#
71	58.0	31.6	47.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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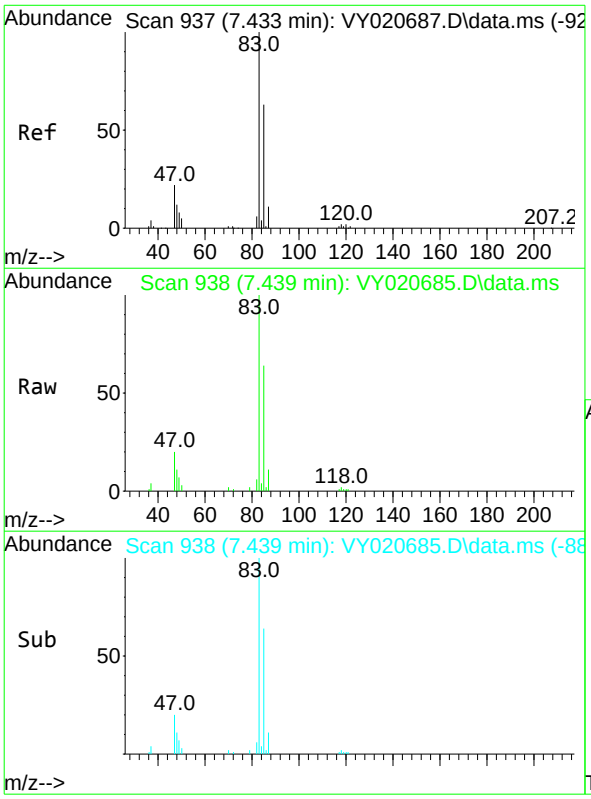
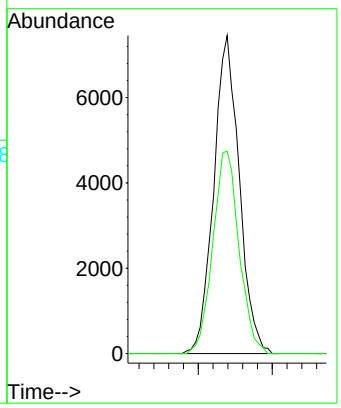
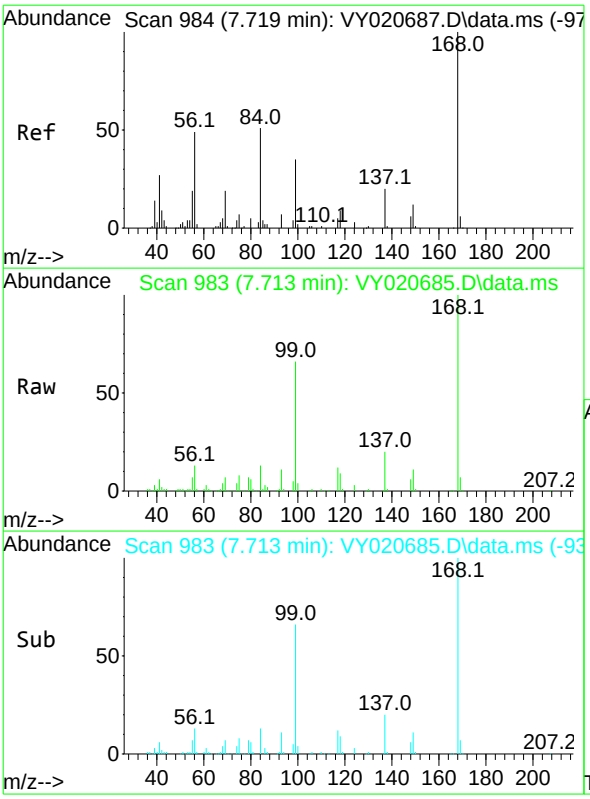


#30
Chloroform
Concen: 10.202 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 83 Resp: 17873

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.7	79.1





#31
Cyclohexane
Concen: 10.659 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 56 Resp: 12456

Ion	Ratio	Lower	Upper
56	100		
69	49.7	25.4	38.0#
84	101.1	68.3	102.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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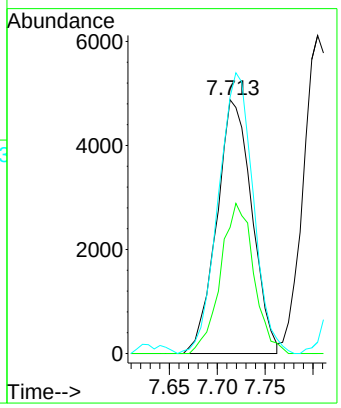
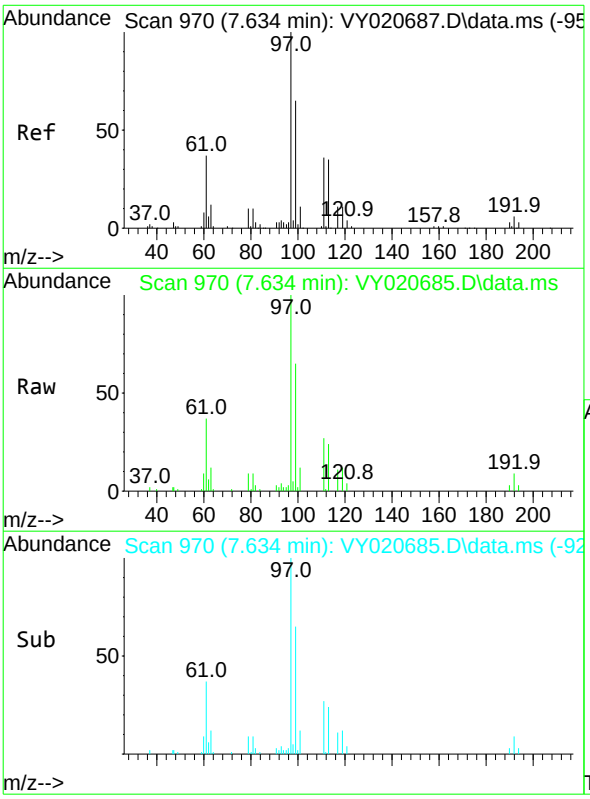
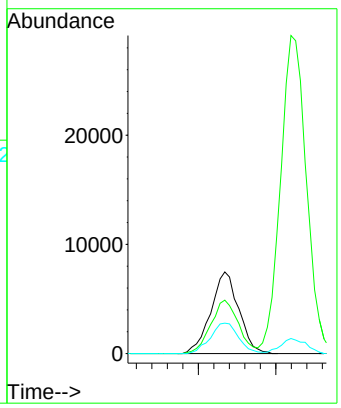


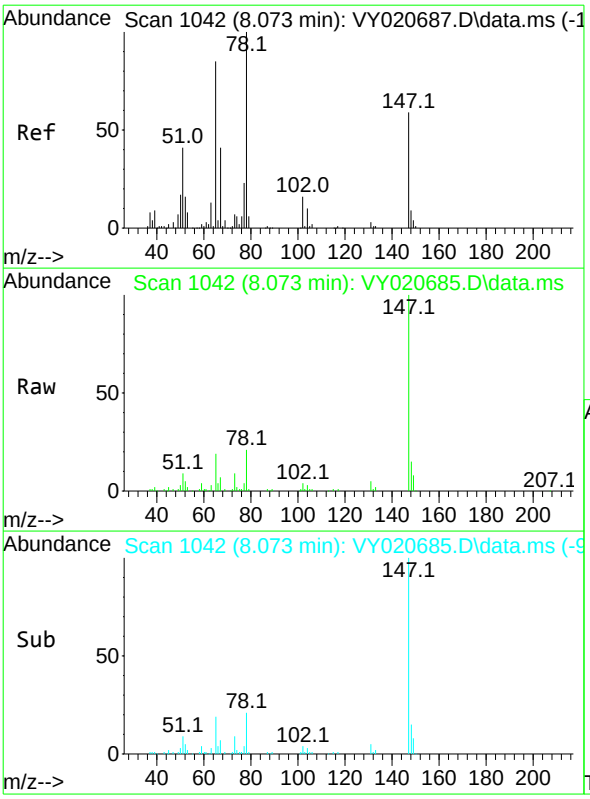


#32
1,1,1-Trichloroethane
Concen: 10.198 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 97 Resp: 18665

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	37.9	34.7	52.1

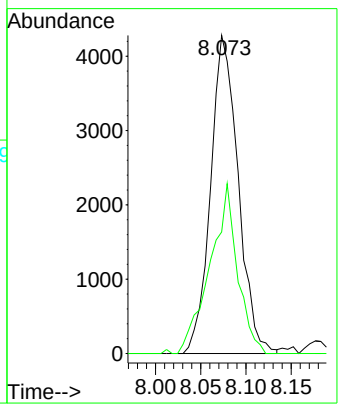




#33
1,2-Dichloroethane-d4
Concen: 9.182 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 65 Resp: 9094

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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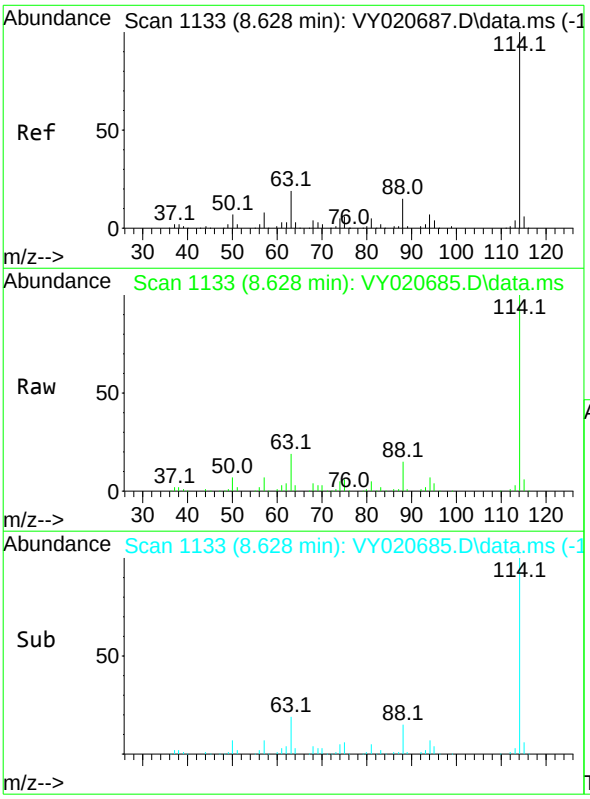
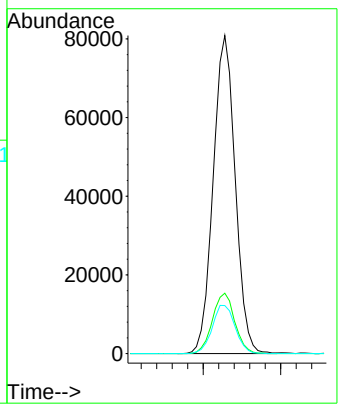
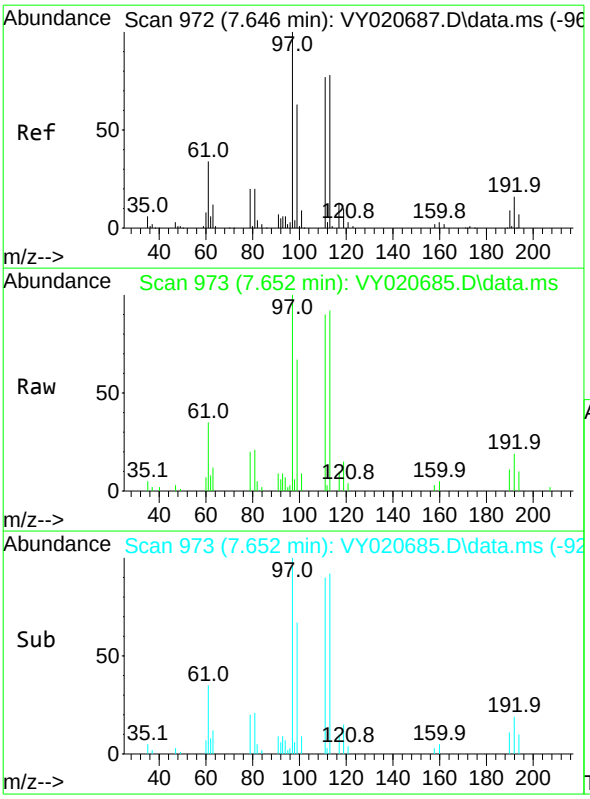


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:114 Resp: 159520

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	44.0
88	15.1	0.0	32.8

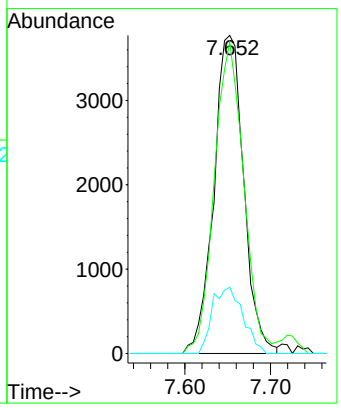




#35
Dibromofluoromethane
Concen: 9.748 ug/l
RT: 7.652 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:113 Resp: 9131

Ion	Ratio	Lower	Upper
113	100		
111	96.2	82.9	124.3
192	21.4	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
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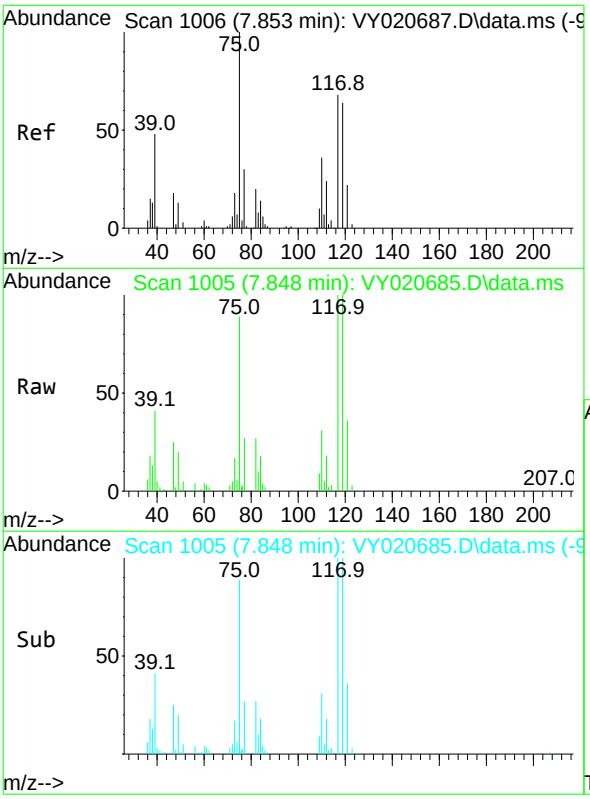
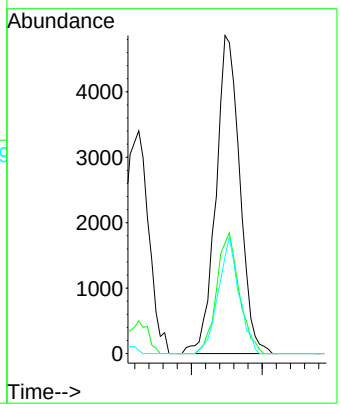
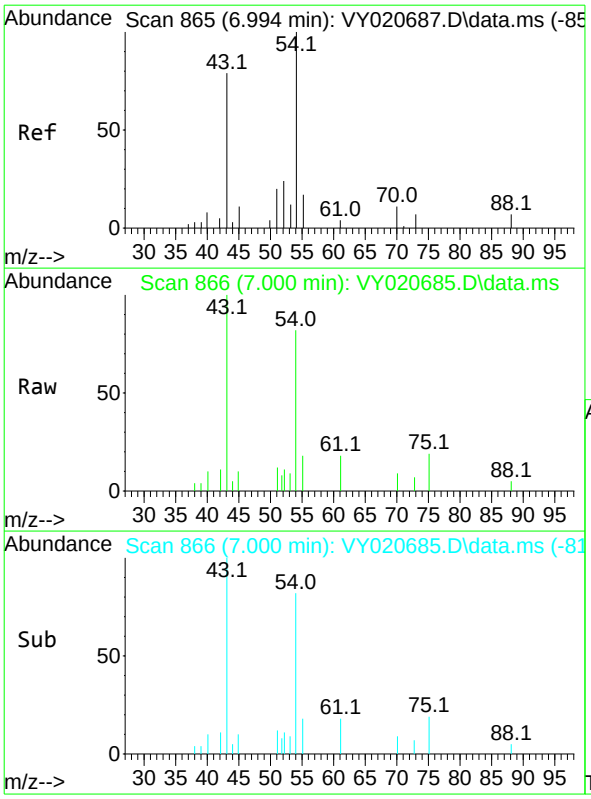


#36
1,1-Dichloropropene
Concen: 10.021 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 11409

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.8	50.4
77	31.6	25.0	37.6

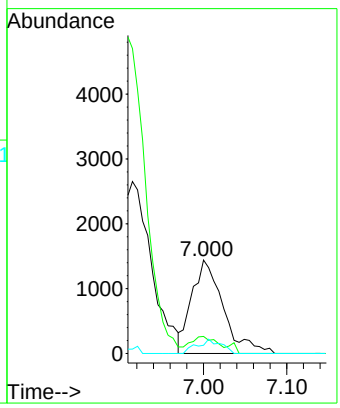




#37
Ethyl Acetate
Concen: 10.175 ug/l m
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 3786

Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.0	16.4#
70	11.6	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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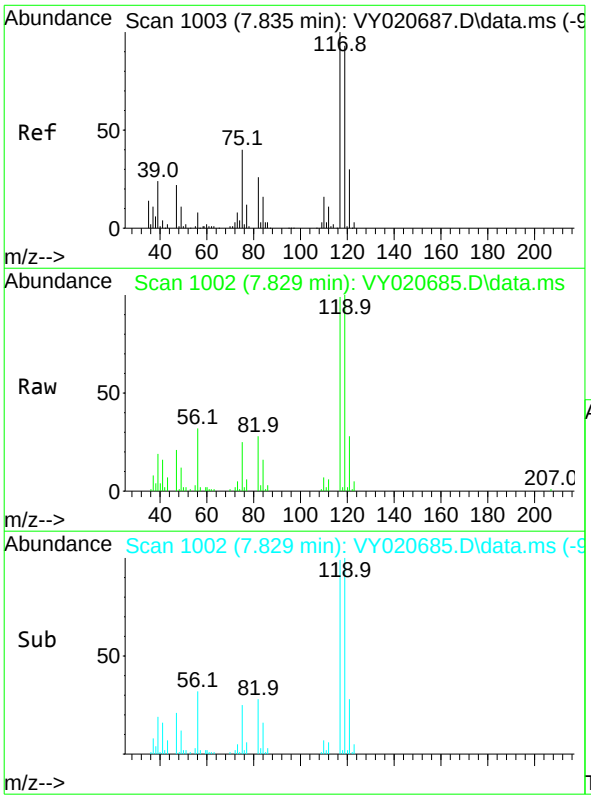
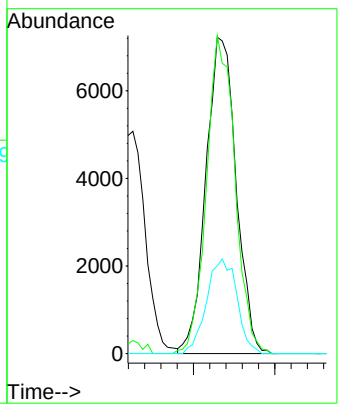
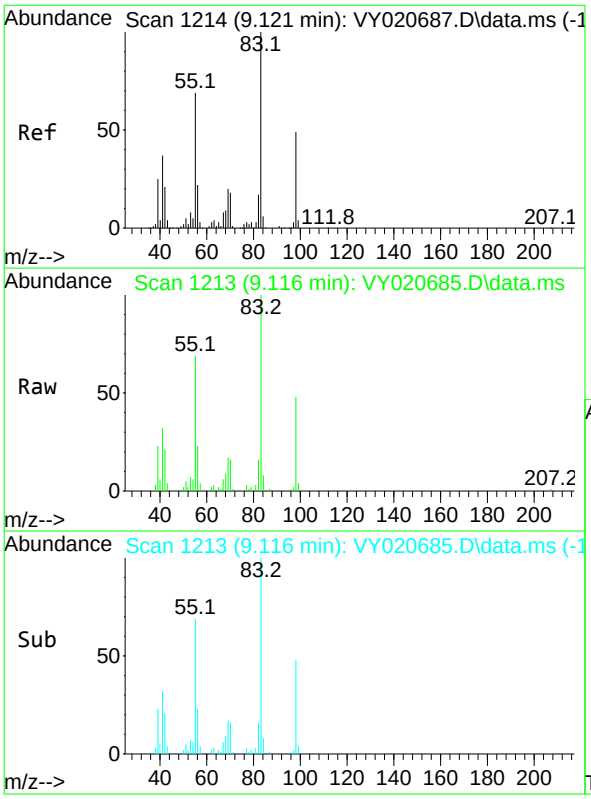


#38
Carbon Tetrachloride
Concen: 10.130 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:117 Resp: 18663

Ion	Ratio	Lower	Upper
117	100		
119	100.5	78.3	117.5
121	27.7	25.1	37.7





#39
Methylcyclohexane
Concen: 9.783 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 83 Resp: 14158

Ion	Ratio	Lower	Upper
83	100		
55	68.9	61.4	92.0
98	47.5	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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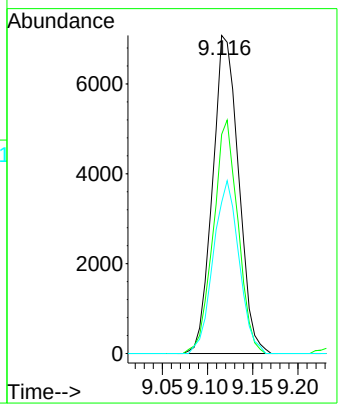
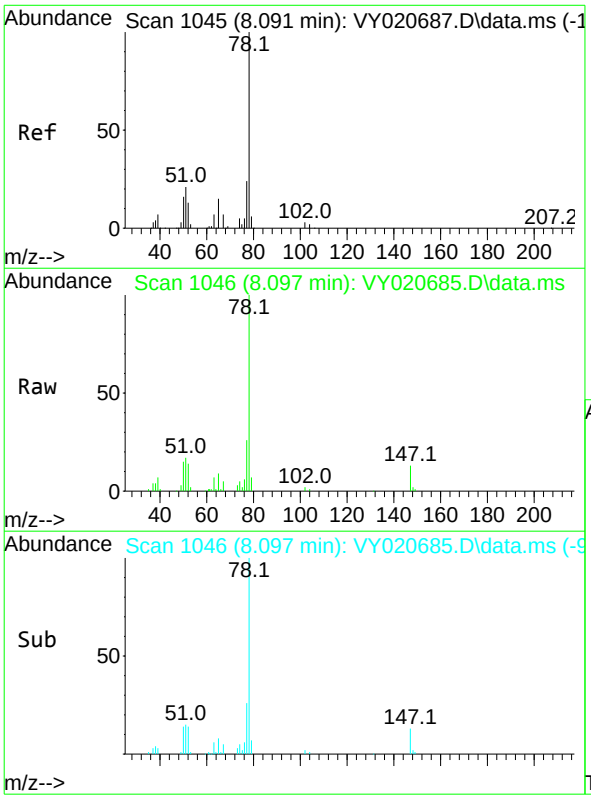
Supervised By :Mahesh Dadoda 12/26/2024

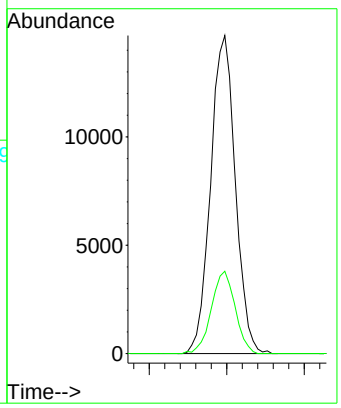


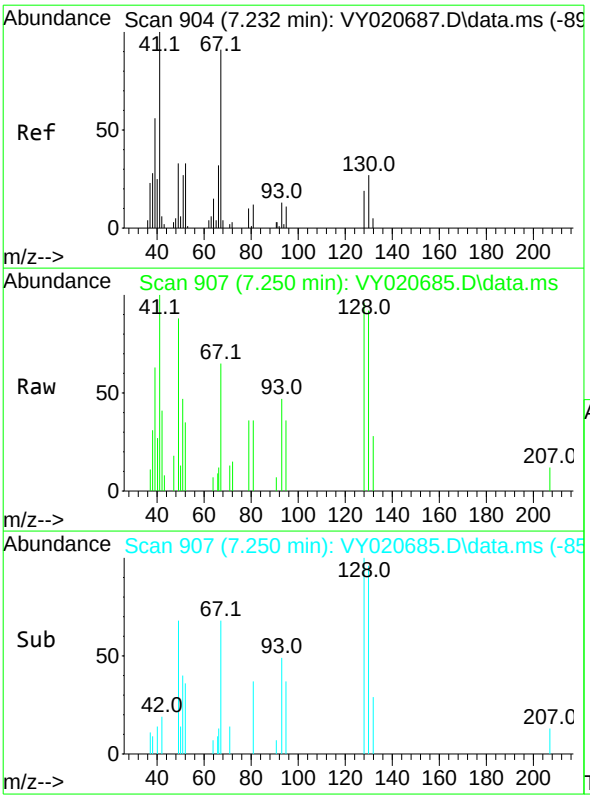


#40
Benzene
Concen: 9.902 ug/l
RT: 8.097 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 78 Resp: 32524

Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.1	30.1

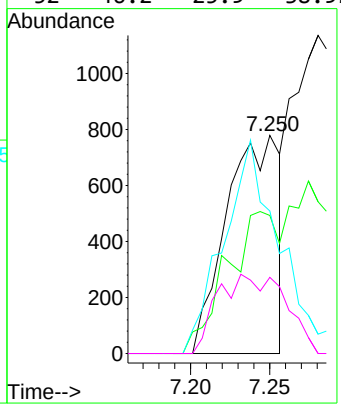




#41
Methacrylonitrile
Concen: 8.666 ug/l m
RT: 7.250 min Scan# 90
Delta R.T. 0.018 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 41 Resp: 1825

Ion	Ratio	Lower	Upper
41	100		
39	63.3	53.6	80.4
67	101.3	62.0	93.0#
52	46.2	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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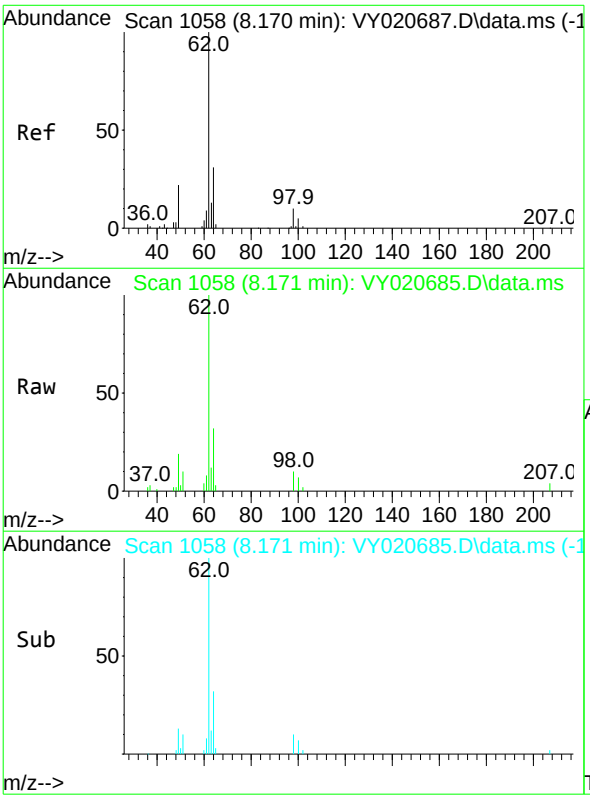
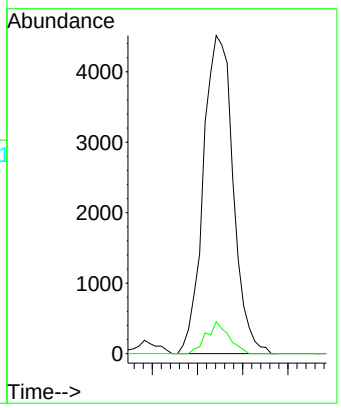
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

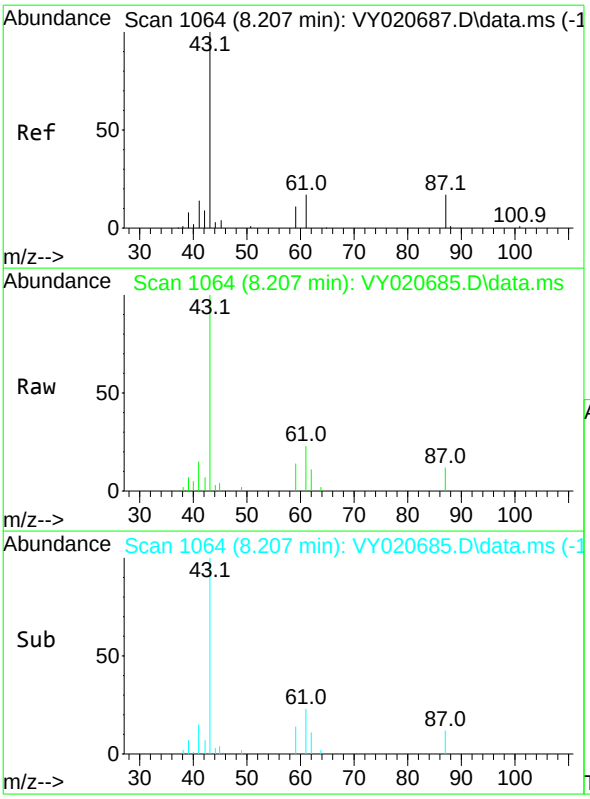


#42
1,2-Dichloroethane
Concen: 9.889 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 62 Resp: 10330

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	18.0

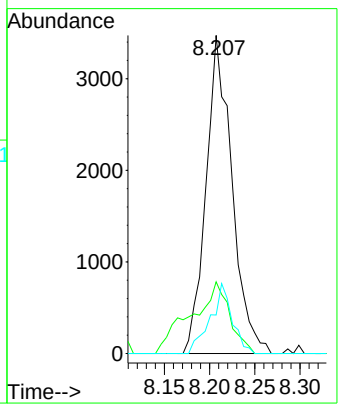




#43
Isopropyl Acetate
Concen: 8.970 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 6937

Ion	Ratio	Lower	Upper
43	100		
61	33.6	23.8	35.6
87	18.4	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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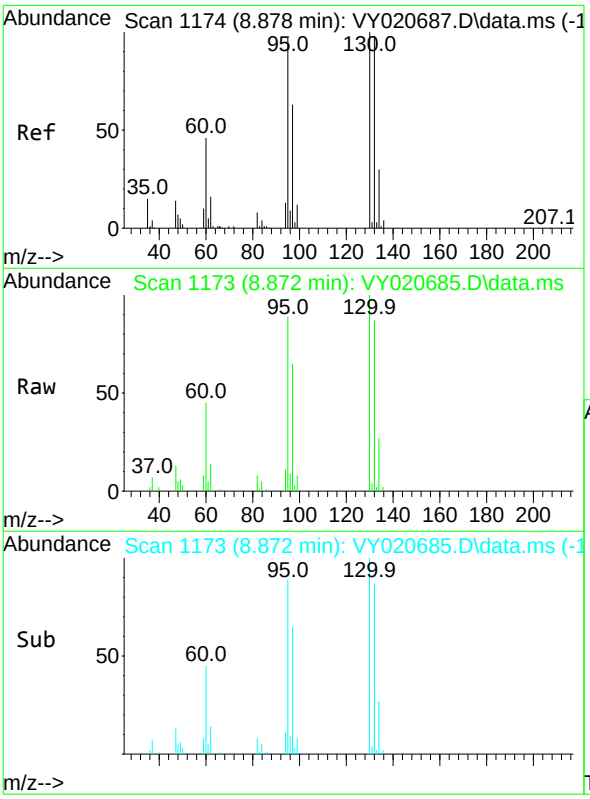
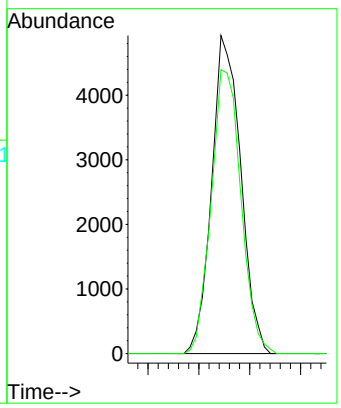
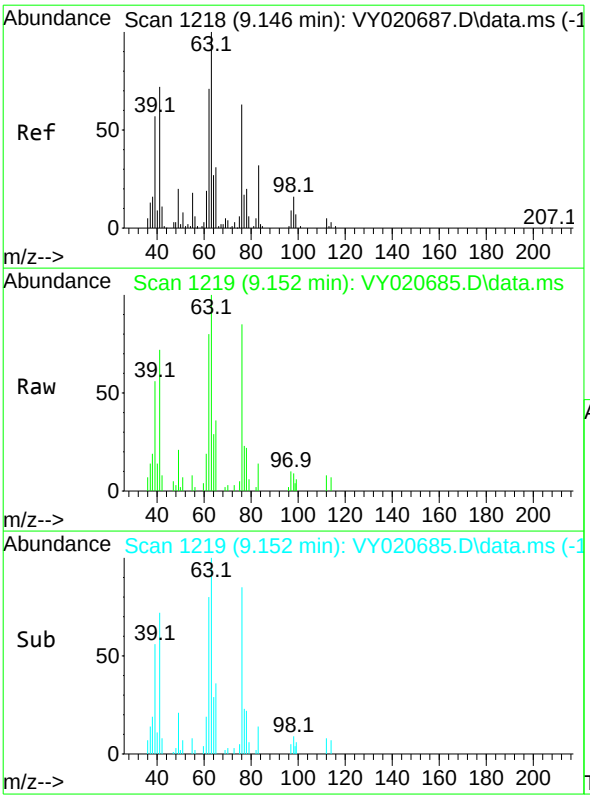


#44
Trichloroethene
Concen: 10.017 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:130 Resp: 9764

Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	203.2

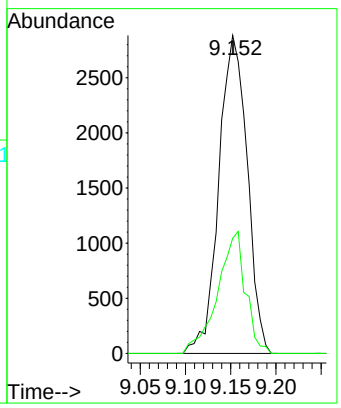




#45
1,2-Dichloropropane
Concen: 9.742 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 63 Resp: 6287

Ion	Ratio	Lower	Upper
63	100		
65	36.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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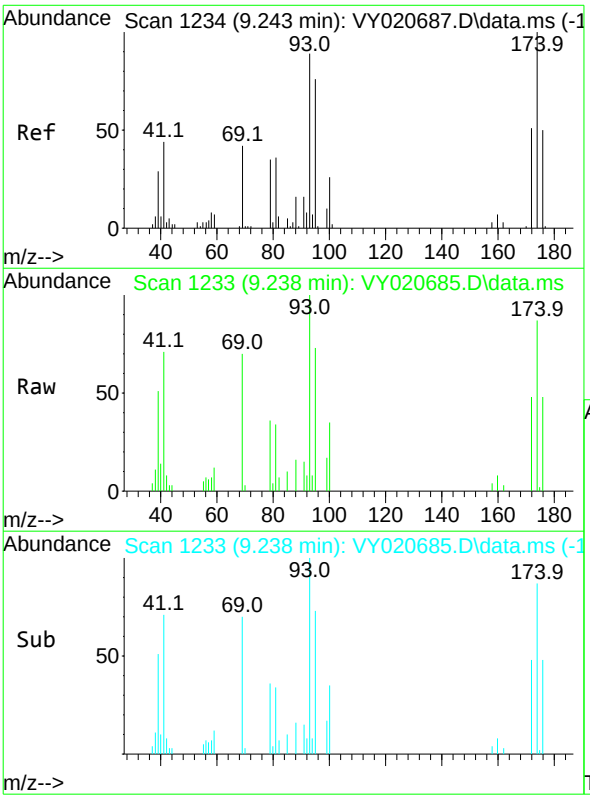
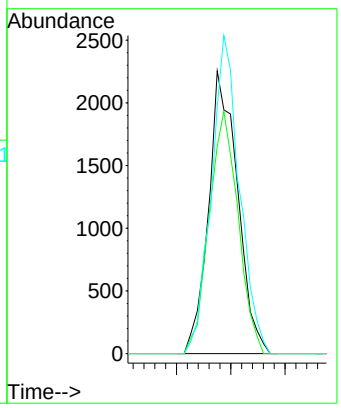
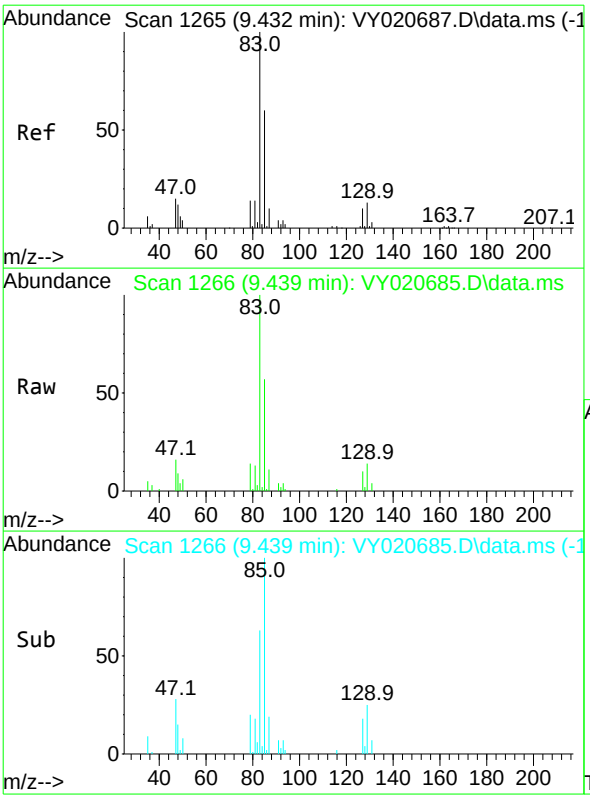


#46
Dibromomethane
Concen: 9.400 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 93 Resp: 4188

Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.7	100.1
174	109.1	77.8	116.6

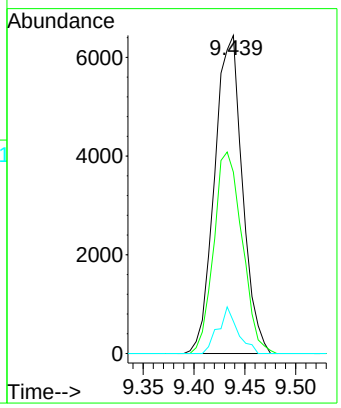




#47
Bromodichloromethane
Concen: 9.696 ug/l
RT: 9.439 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 83 Resp: 12253

Ion	Ratio	Lower	Upper
83	100		
85	57.0	52.1	78.1
127	10.1	6.7	10.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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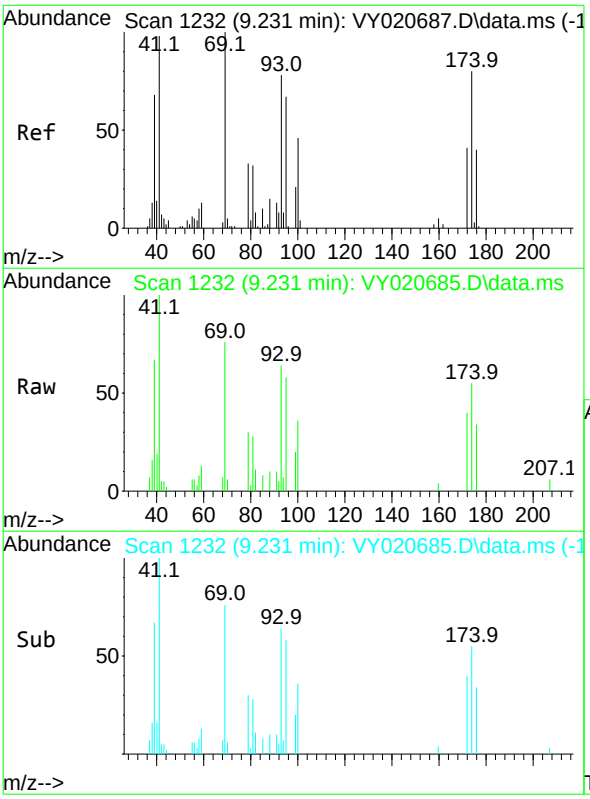
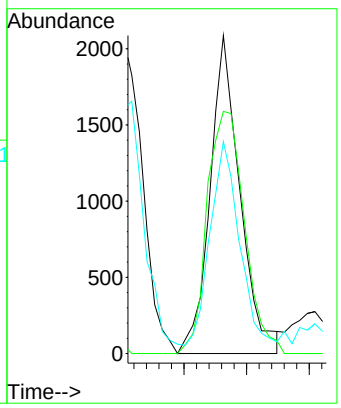
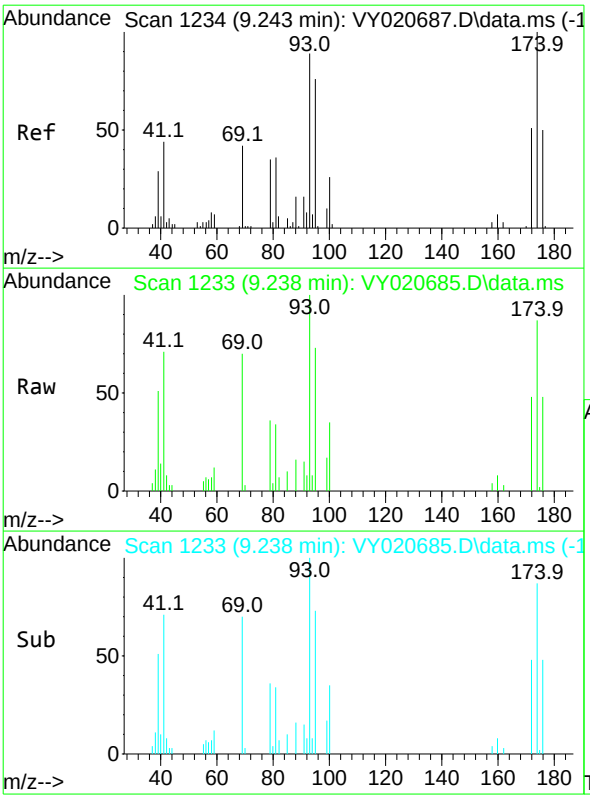


#48
Methyl methacrylate
Concen: 9.422 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 41 Resp: 3454

Ion	Ratio	Lower	Upper
41	100		
69	95.3	67.2	100.8
39	63.8	42.2	63.4#





#49
1,4-Dioxane
Concen: 168.248 ug/l
RT: 9.238 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 88 Resp: 735

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.6	41.4#
58	63.1	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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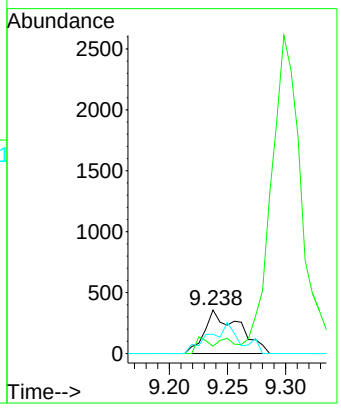
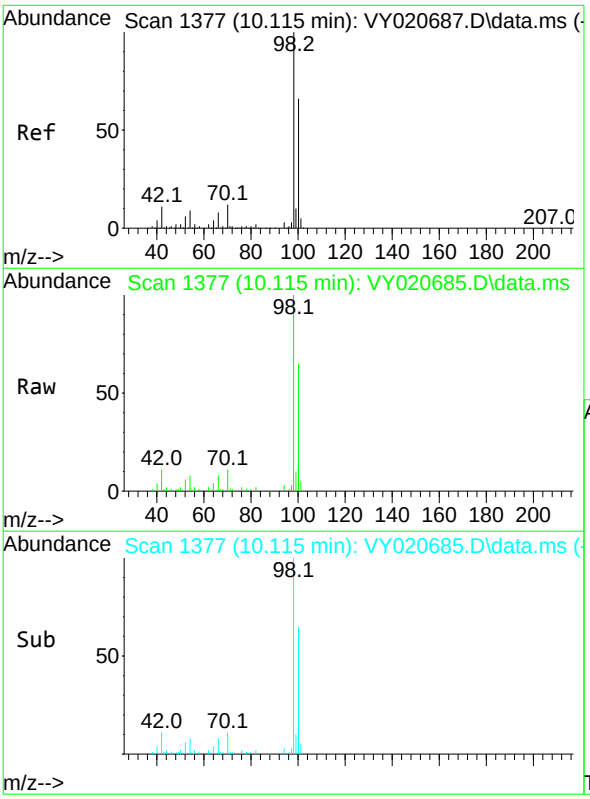
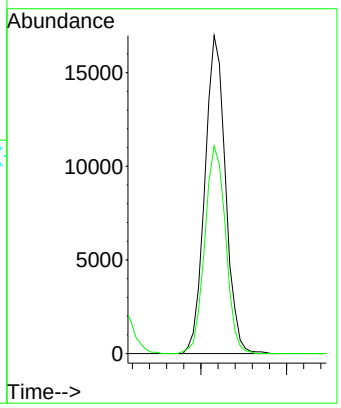


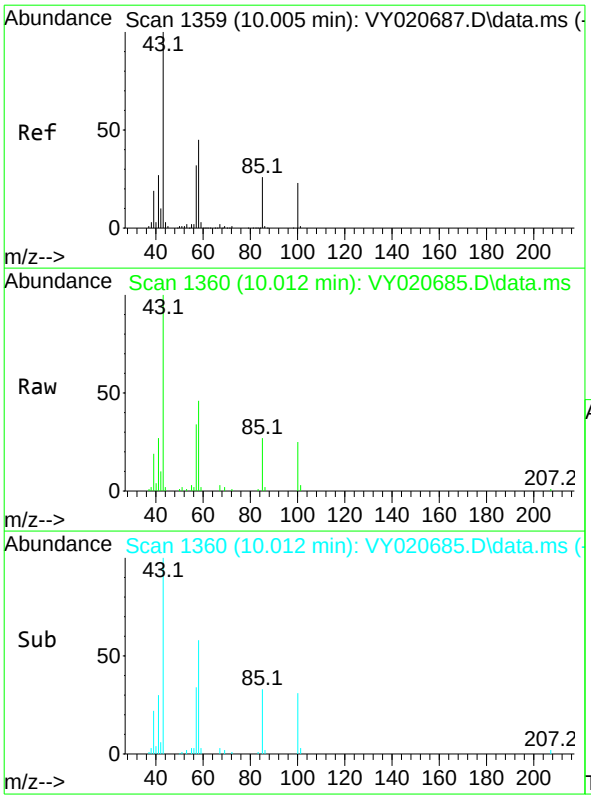


#50
Toluene-d8
Concen: 8.355 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 98 Resp: 28423

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1

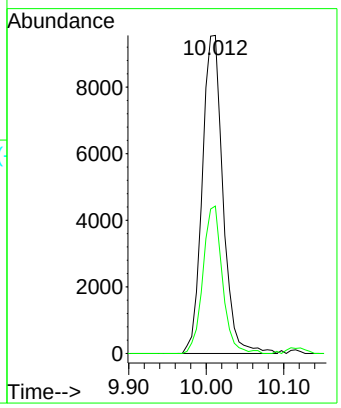




#51
4-Methyl-2-Pentanone
Concen: 45.877 ug/l
RT: 10.012 min Scan# 13
Delta R.T. 0.007 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 17723

Ion	Ratio	Lower	Upper
43	100		
58	43.8	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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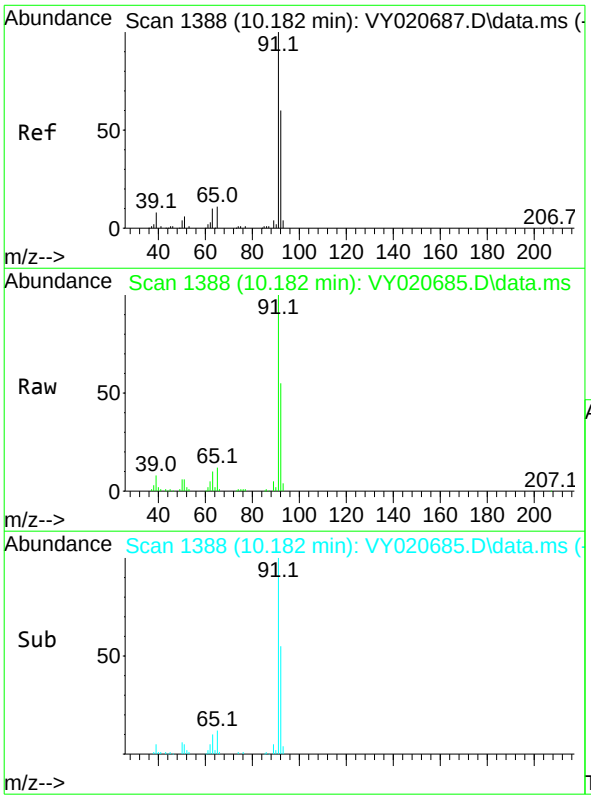
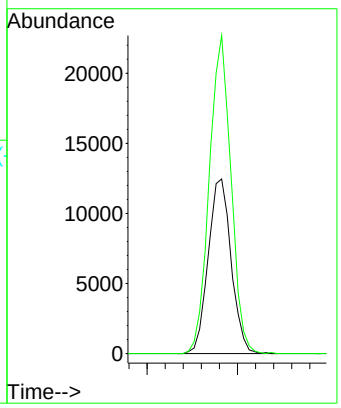
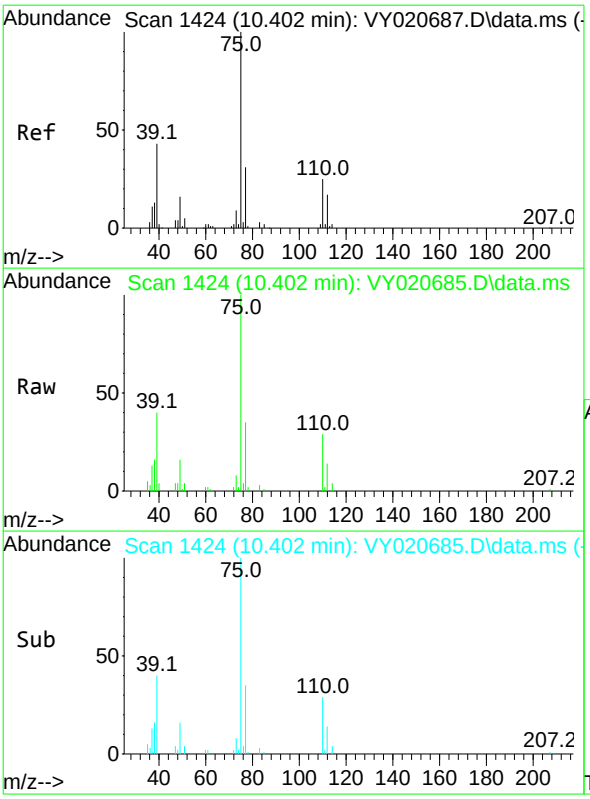


#52
Toluene
Concen: 9.805 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 92 Resp: 21930

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

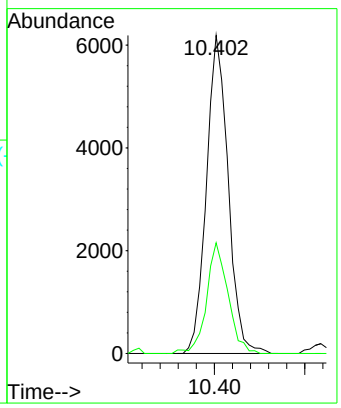




#53
t-1,3-Dichloropropene
Concen: 9.224 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 10315

Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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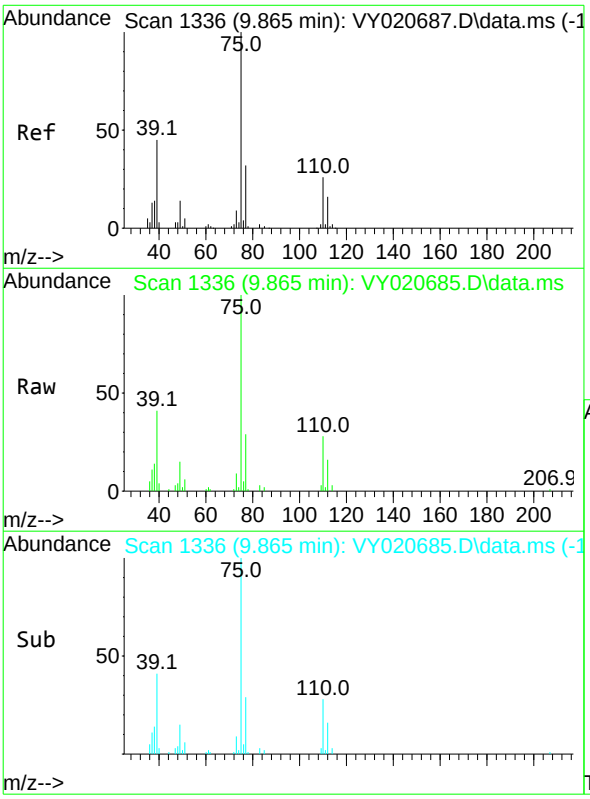
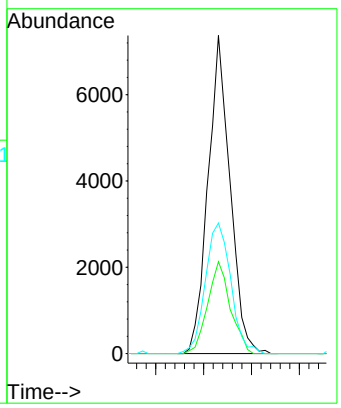
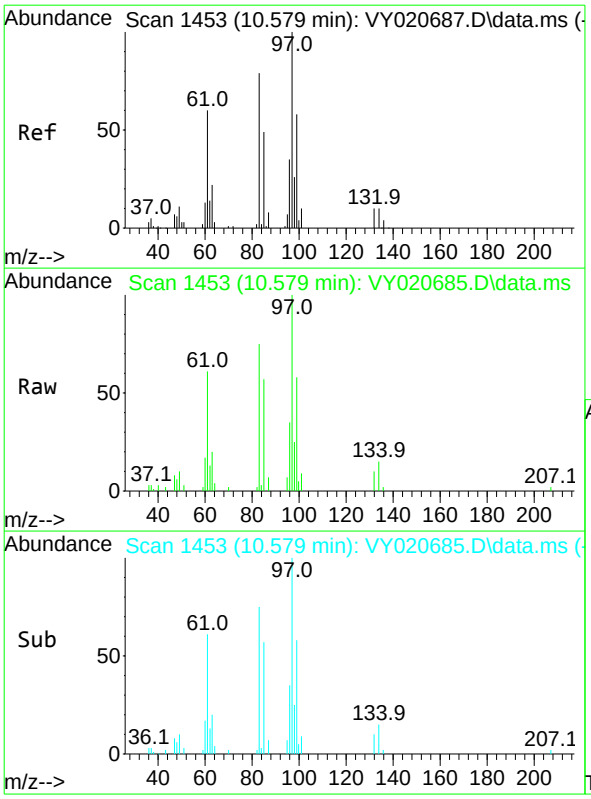


#54
cis-1,3-Dichloropropene
Concen: 9.564 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 11785

Ion	Ratio	Lower	Upper
75	100		
77	28.9	24.6	36.8
39	41.1	36.4	54.6

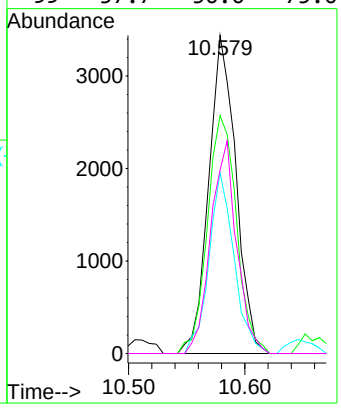




#55
1,1,2-Trichloroethane
Concen: 9.703 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 97 Resp: 5597

Ion	Ratio	Lower	Upper
97	100		
83	74.8	70.4	105.6
85	56.8	47.2	70.8
99	57.7	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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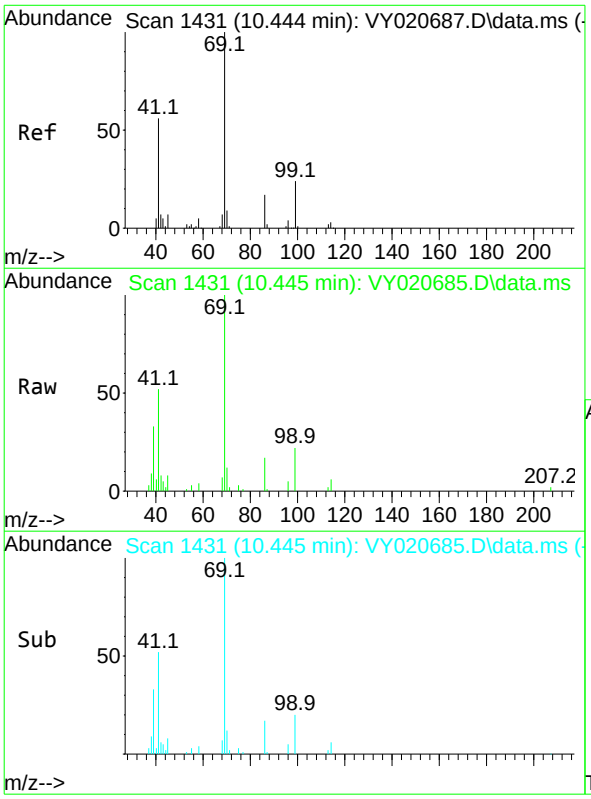
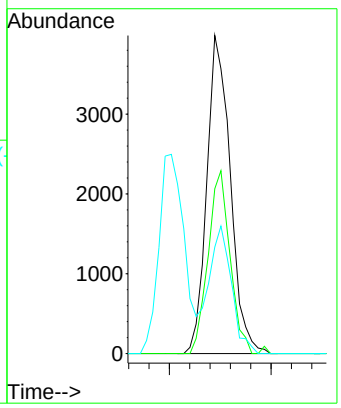
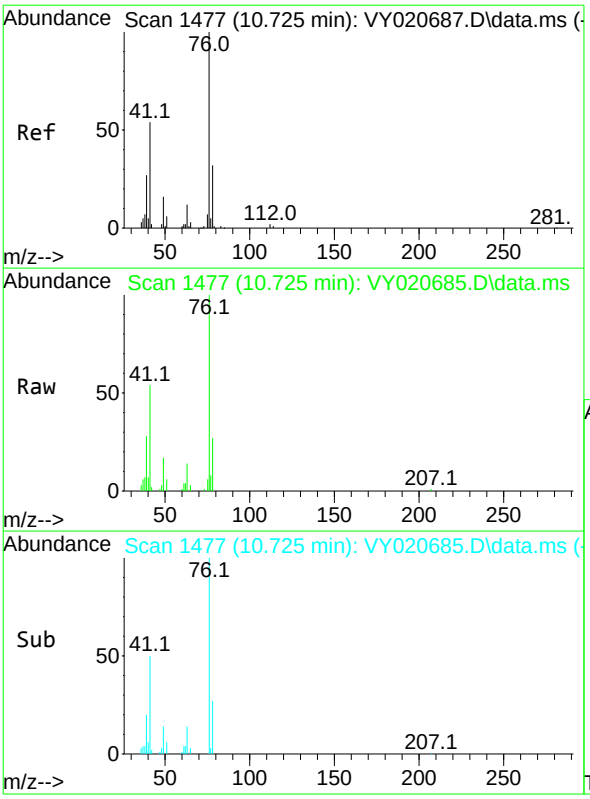


#56
Ethyl methacrylate
Concen: 8.689 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 69 Resp: 6394

Ion	Ratio	Lower	Upper
69	100		
41	53.5	54.0	81.0#
39	38.9	27.9	41.9

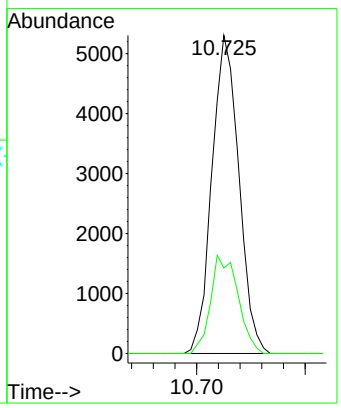




#57
1,3-Dichloropropane
Concen: 9.688 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 76 Resp: 9135

Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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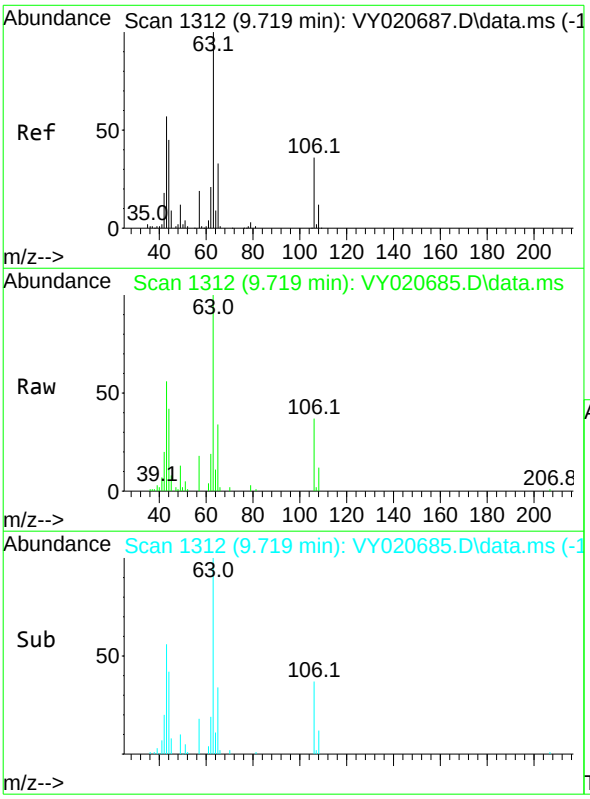
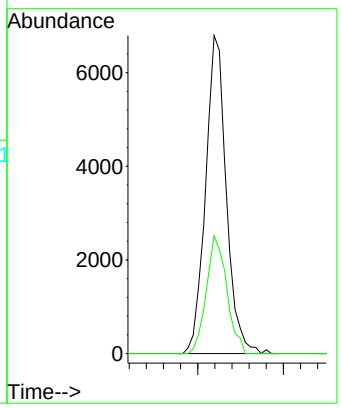
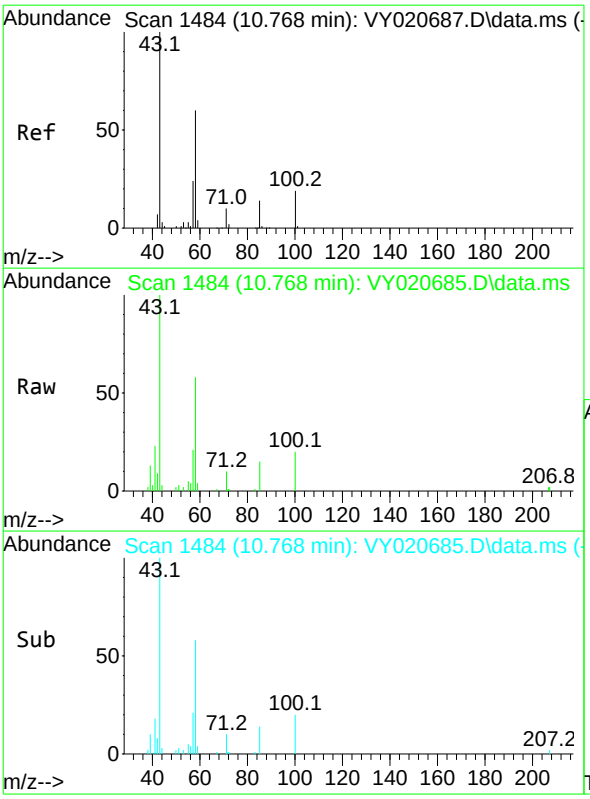


#58
2-Chloroethyl Vinyl ether
Concen: 41.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 63 Resp: 11423

Ion	Ratio	Lower	Upper
63	100		
106	36.4	21.5	32.3#





#59
2-Hexanone
Concen: 43.435 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 10688

Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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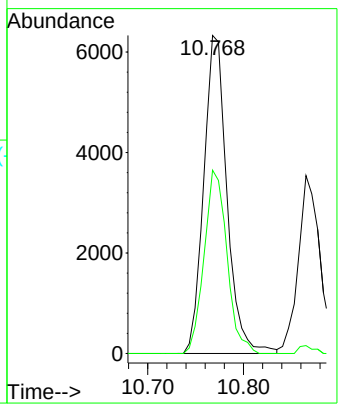
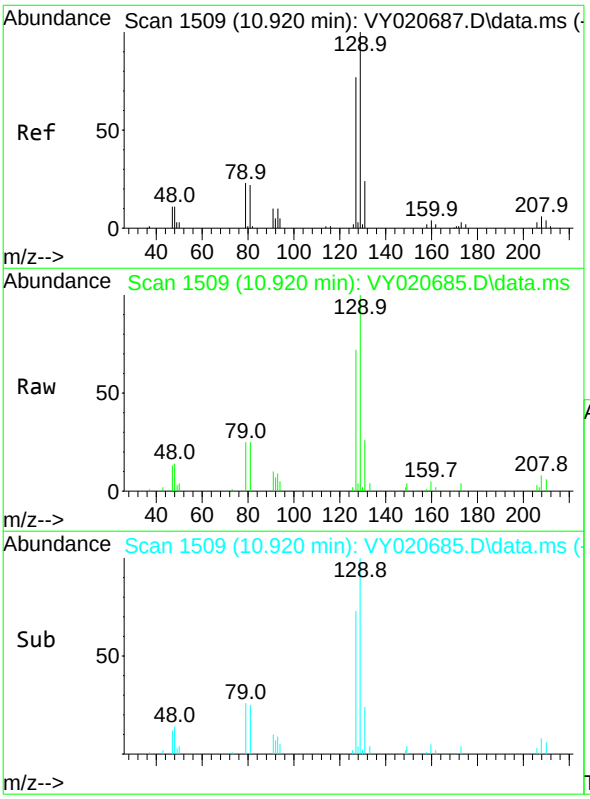
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

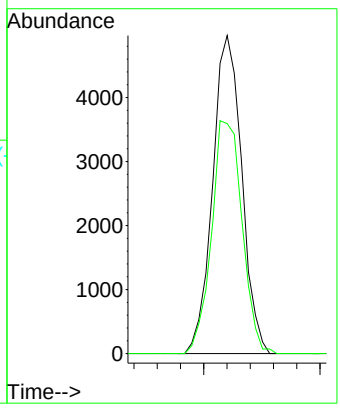


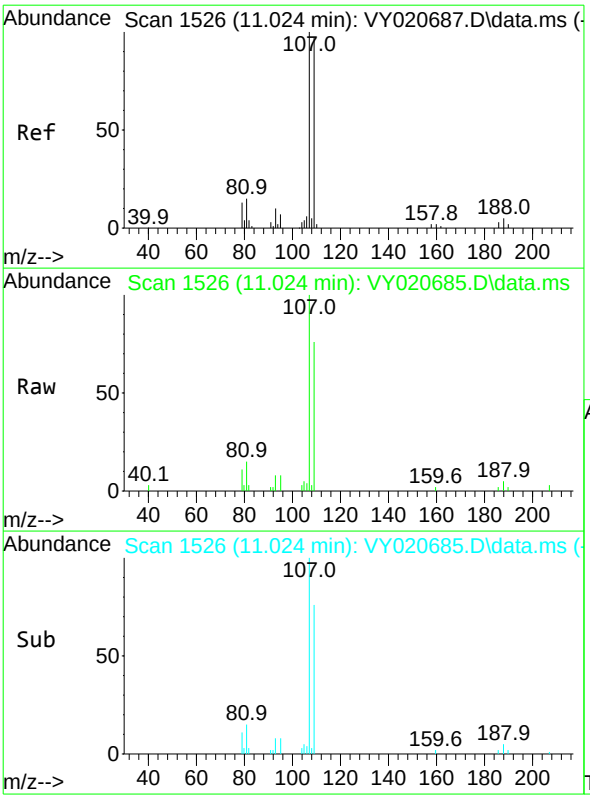


#60
Dibromochloromethane
Concen: 9.384 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:129 Resp: 8643

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3

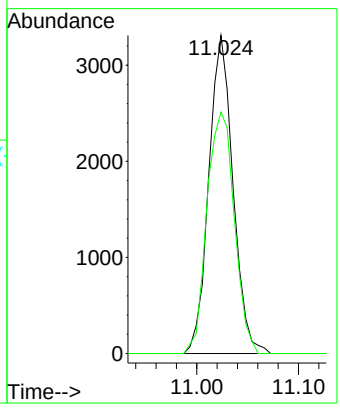




#61
1,2-Dibromoethane
Concen: 10.124 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:107 Resp: 5475

Ion	Ratio	Lower	Upper
107	100		
109	85.8	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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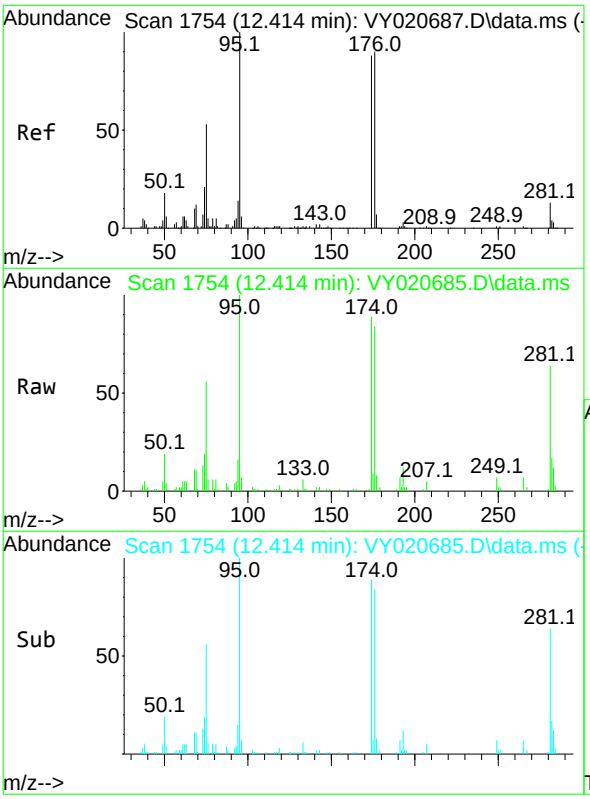
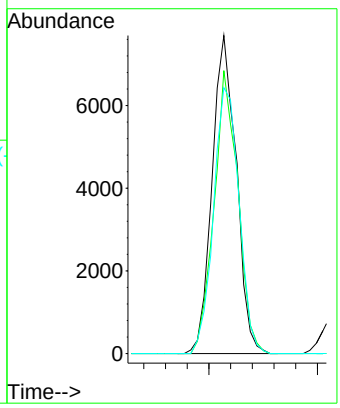
Supervised By :Mahesh Dadoda 12/26/2024

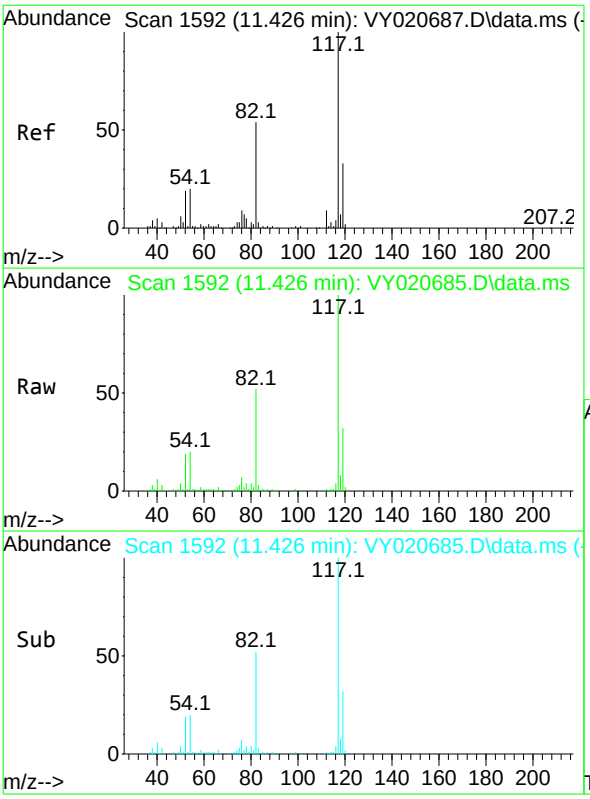


#62
4-Bromofluorobenzene
Concen: 9.618 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 95 Resp: 11910

Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	161.8
176	88.3	0.0	156.6

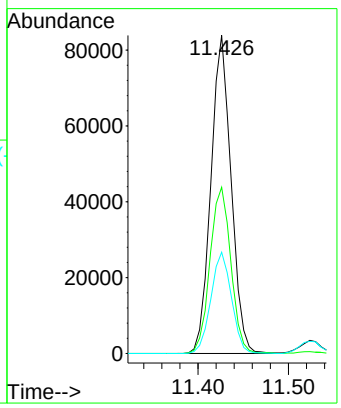




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:117 Resp: 130271

Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.8	68.6
119	31.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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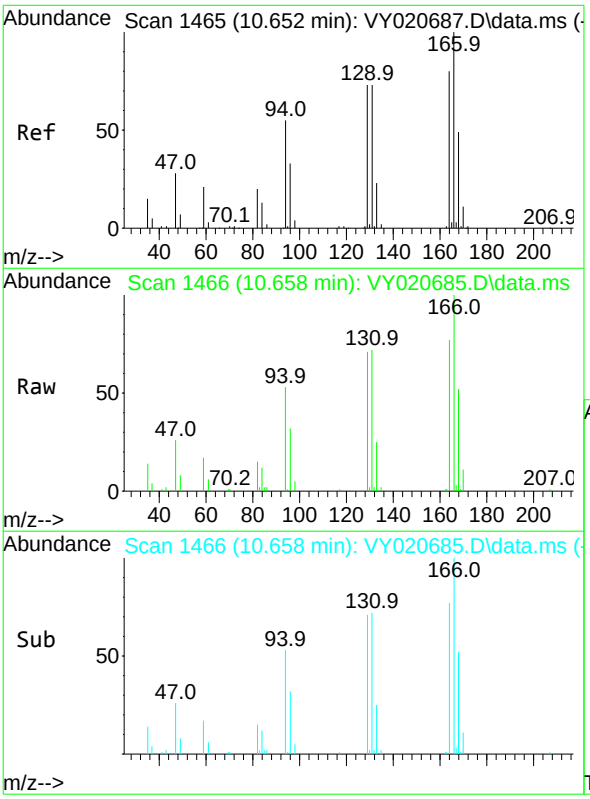
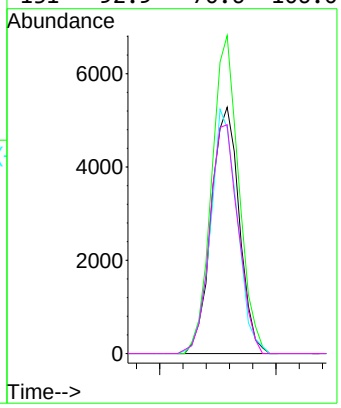
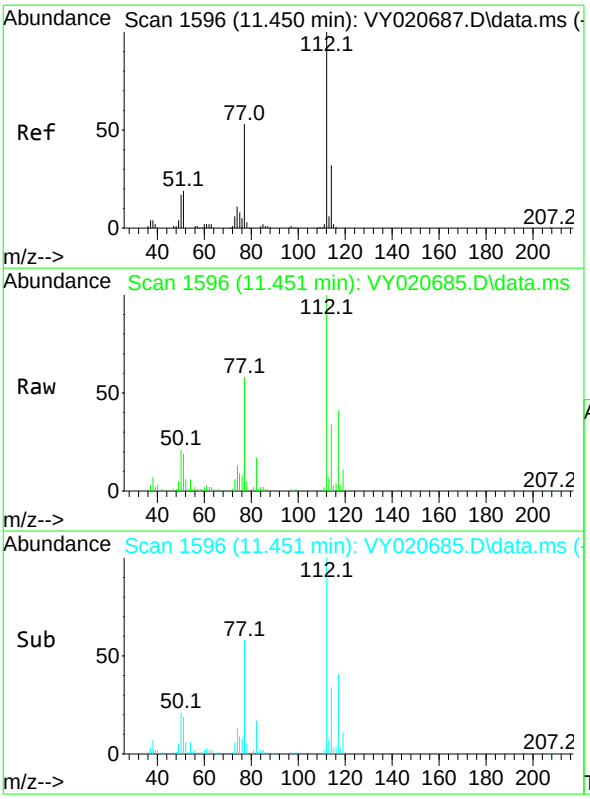


#64
Tetrachloroethene
Concen: 10.206 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:164 Resp: 8830

Ion	Ratio	Lower	Upper
164	100		
166	129.1	97.9	146.9
129	91.5	73.4	110.0
131	92.9	70.6	106.0

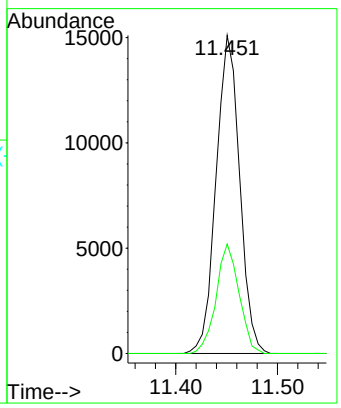




#65
Chlorobenzene
Concen: 9.977 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:112 Resp: 24287

Ion	Ratio	Lower	Upper
112	100		
114	34.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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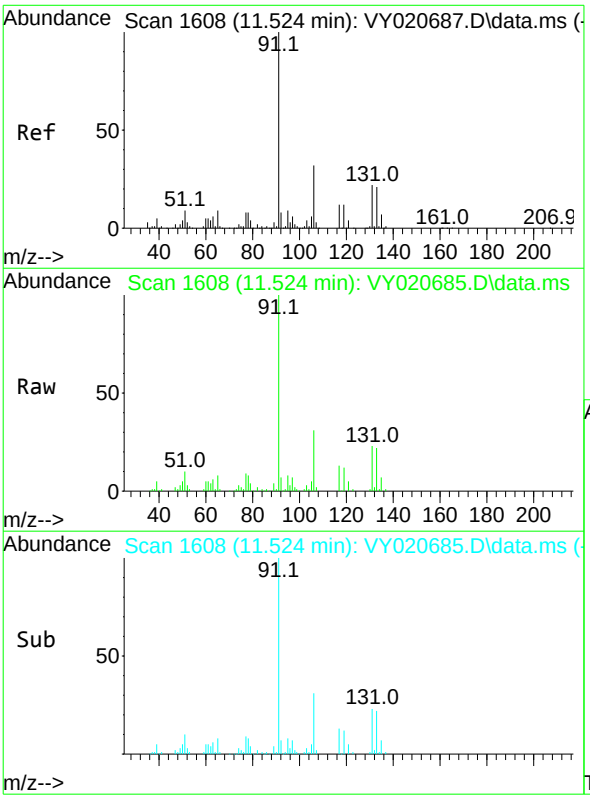
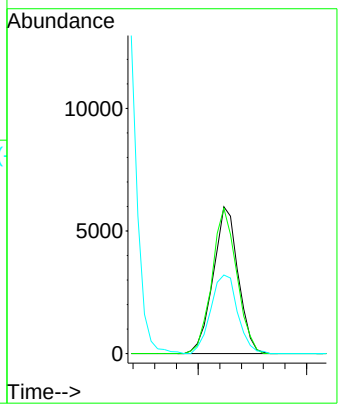
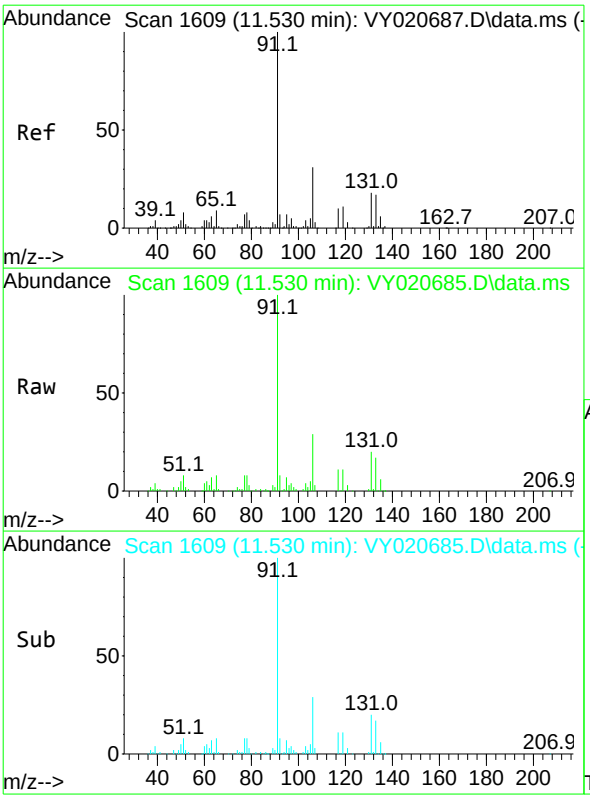


#66
1,1,1,2-Tetrachloroethane
Concen: 10.075 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:131 Resp: 9578

Ion	Ratio	Lower	Upper
131	100		
133	98.2	46.8	140.3
119	57.7	31.8	95.3

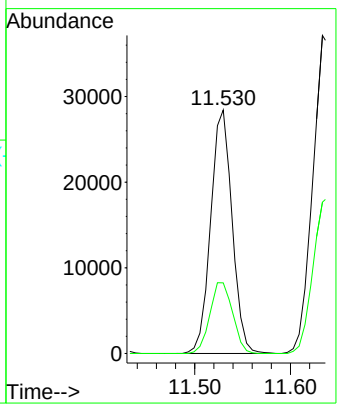




#67
Ethyl Benzene
Concen: 10.131 ug/l
RT: 11.530 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 91 Resp: 44246

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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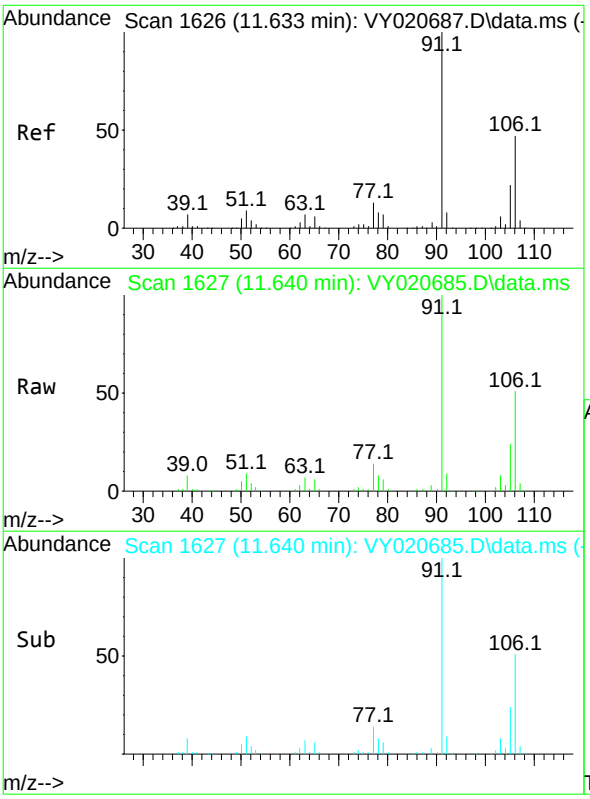
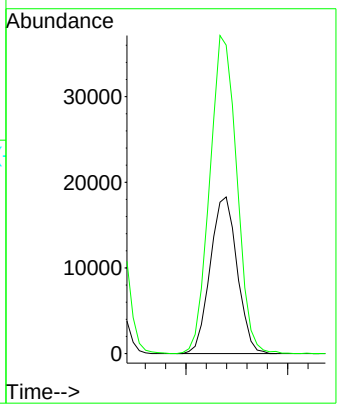
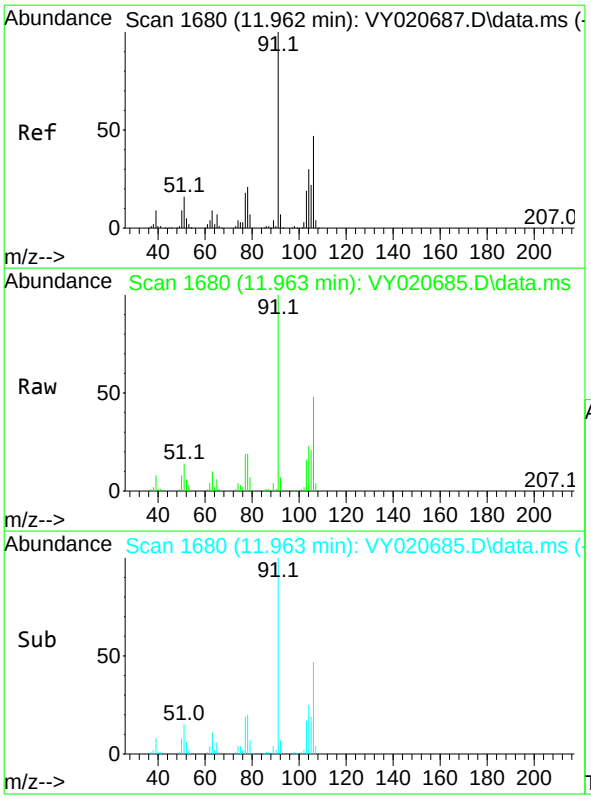


#68
m/p-Xylenes
Concen: 20.179 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:106 Resp: 33608

Ion	Ratio	Lower	Upper
106	100		
91	203.9	165.0	247.4

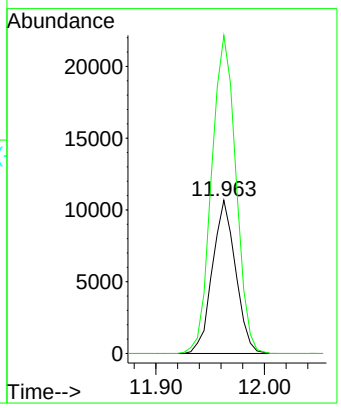




#69
o-Xylene
Concen: 10.151 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:106 Resp: 15881

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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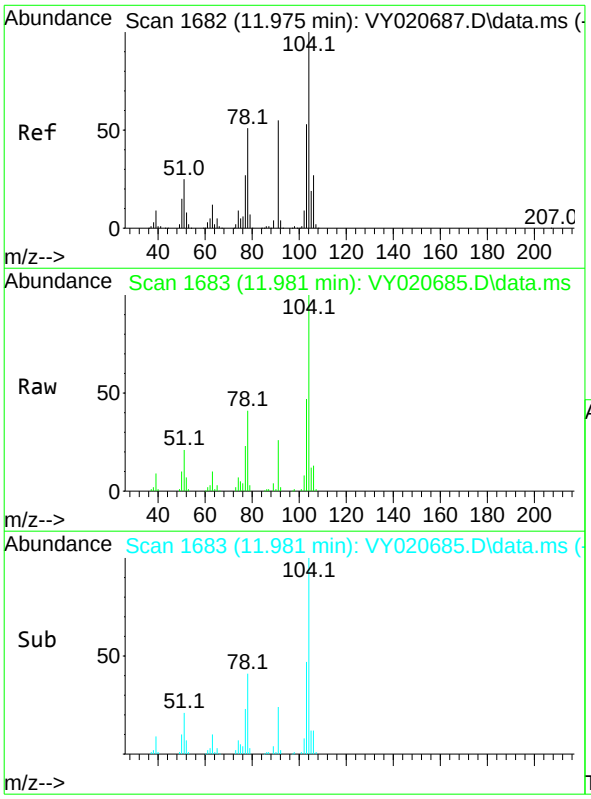
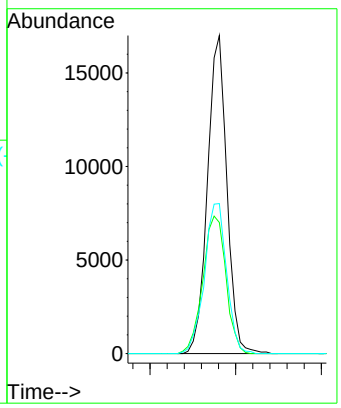
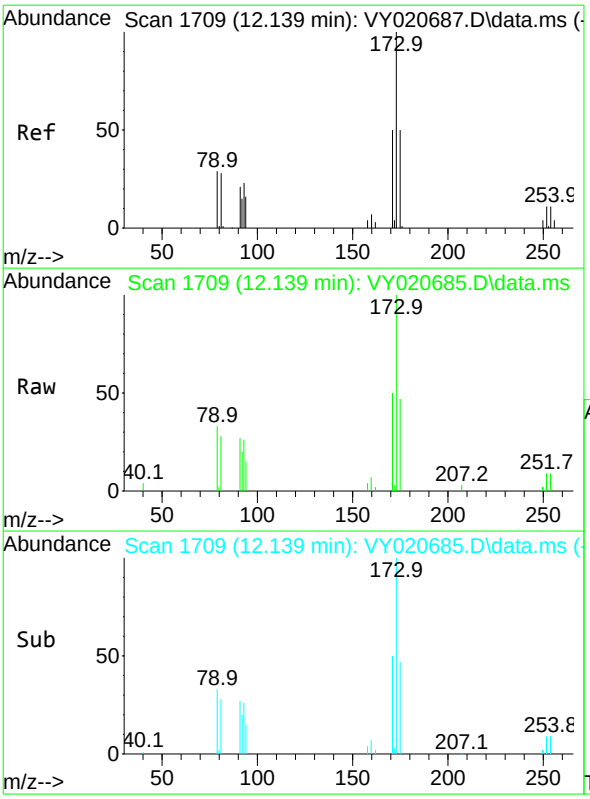


#70
Styrene
Concen: 10.155 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:104 Resp: 26723

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	54.1	43.7	65.5

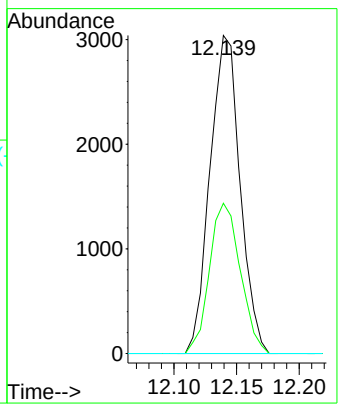




#71
Bromoform
Concen: 9.333 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:173 Resp: 5082

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



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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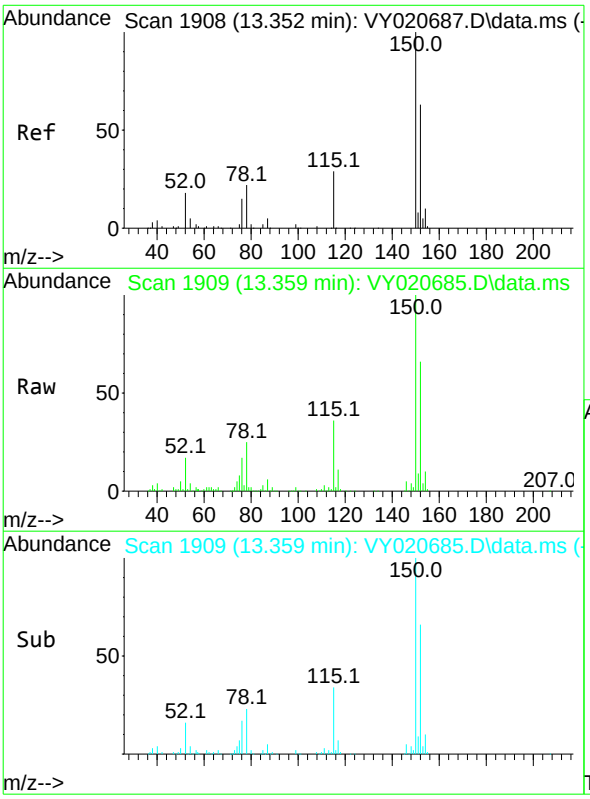
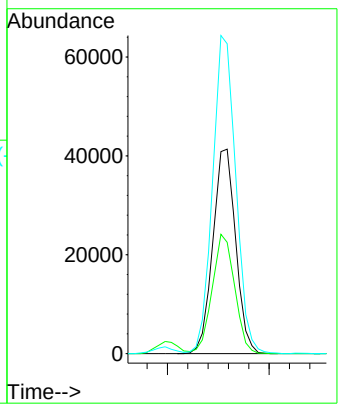
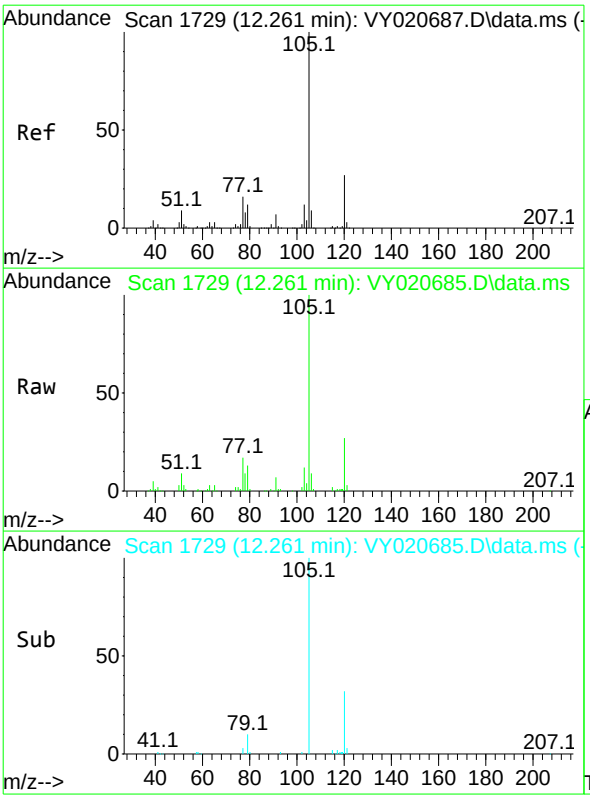


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:152 Resp: 64596

Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.2	90.6
150	157.9	0.0	355.4

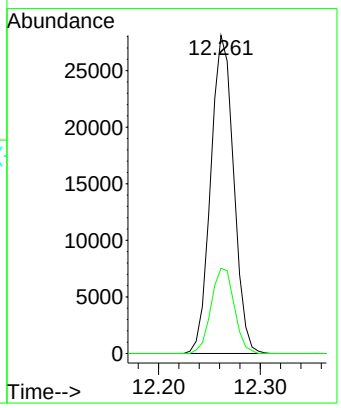




#73
Isopropylbenzene
Concen: 10.041 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:105 Resp: 44119

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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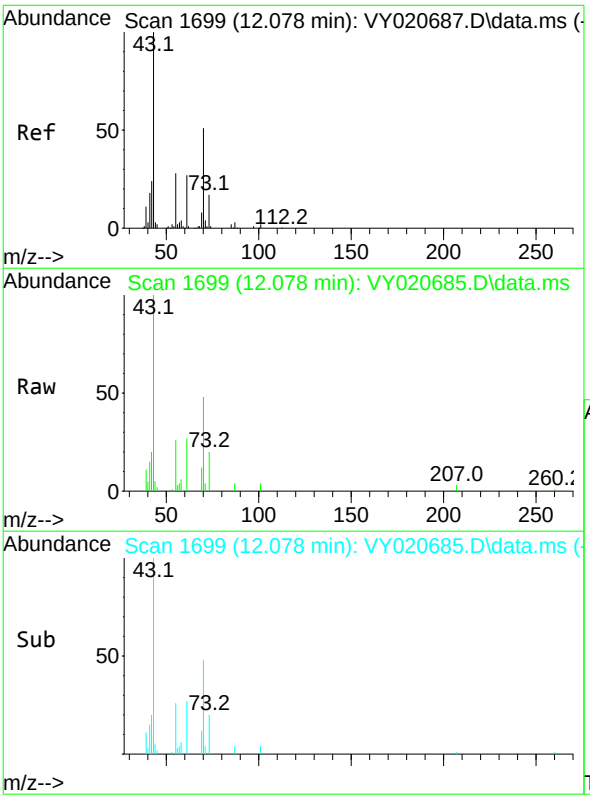
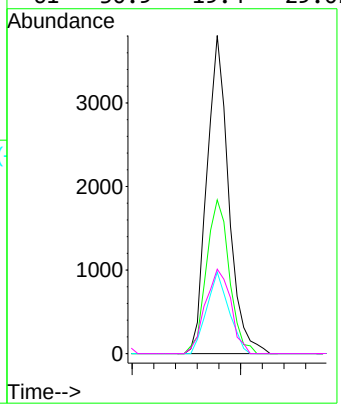
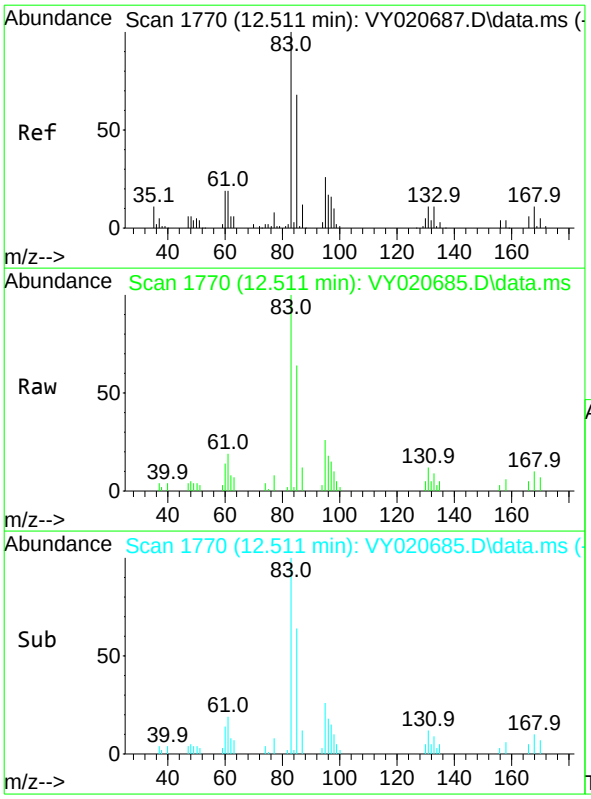


#74
N-amyl acetate
Concen: 8.602 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 43 Resp: 5311

Ion	Ratio	Lower	Upper
43	100		
70	50.9	34.2	51.2
55	26.0	19.6	29.4
61	30.9	19.4	29.0#

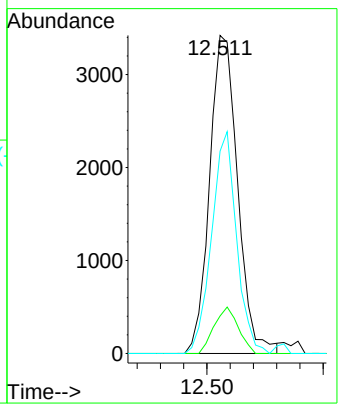




#75
1,1,2,2-Tetrachloroethane
Concen: 10.145 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 83 Resp: 5736

Ion	Ratio	Lower	Upper
83	100		
131	12.5	5.2	15.6
85	62.0	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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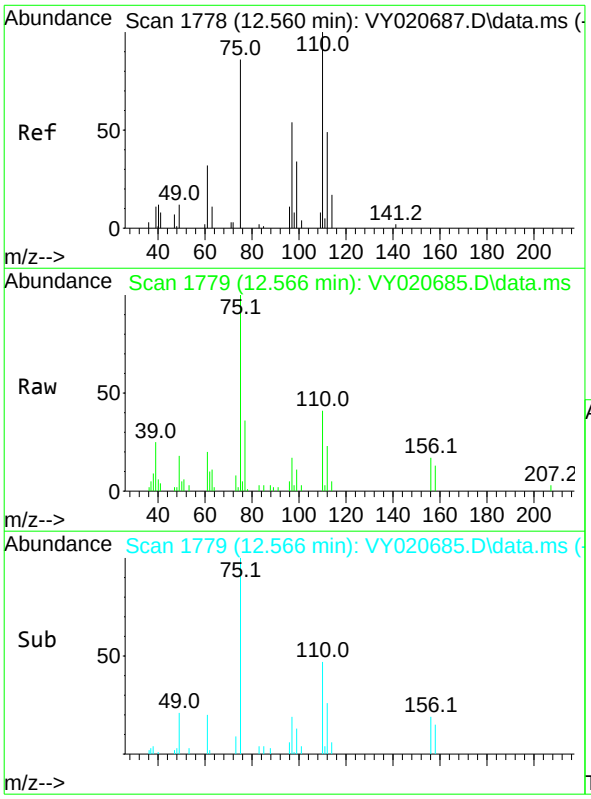
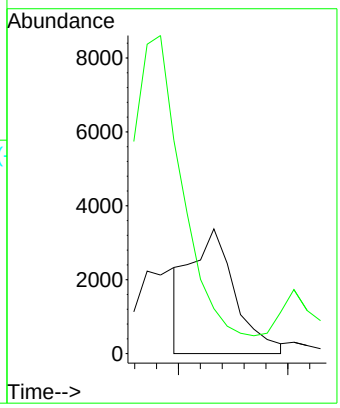
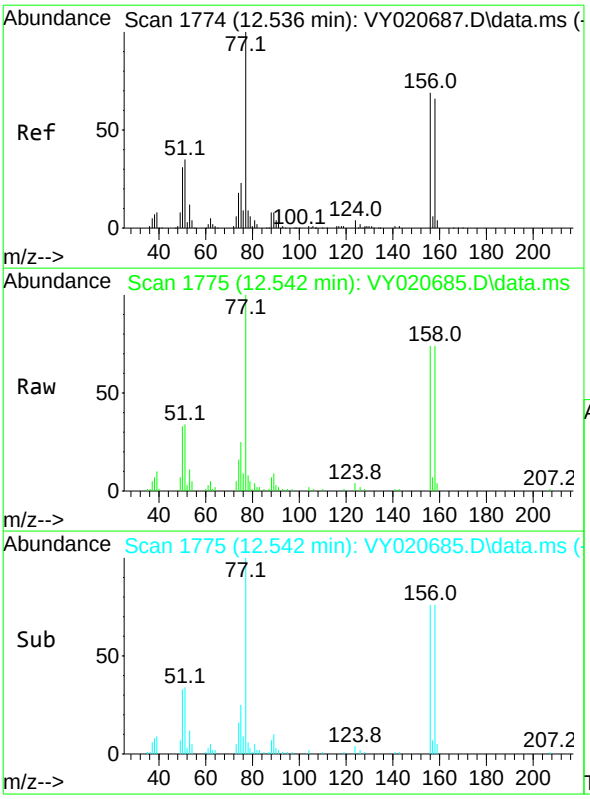


#76
1,2,3-Trichloropropane
Concen: 11.337 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 4800

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.063 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:156 Resp: 10068

Ion	Ratio	Lower	Upper
156	100		
77	149.8	94.2	282.4
158	96.2	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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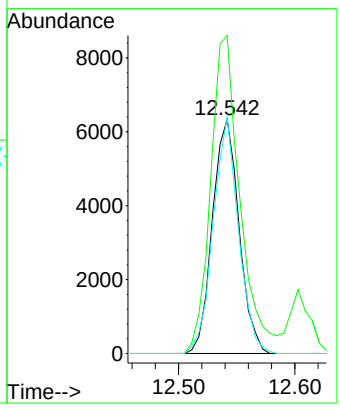
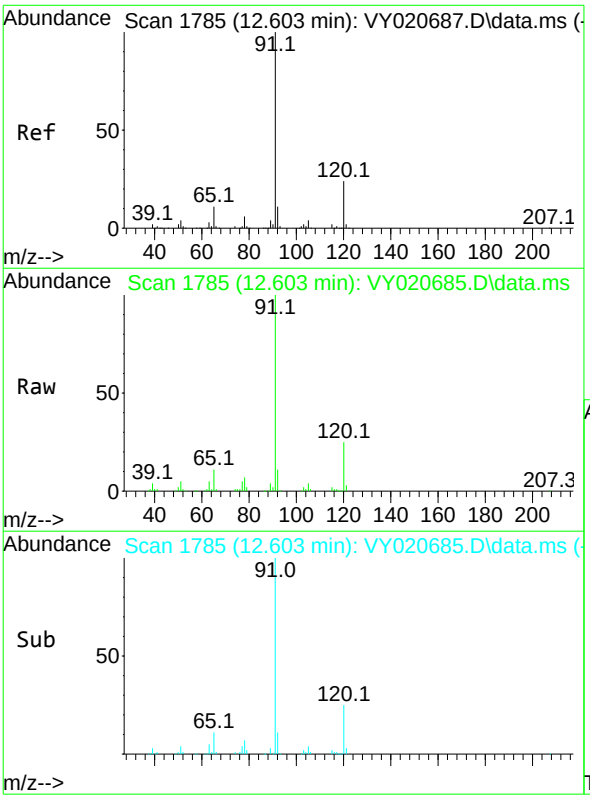
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

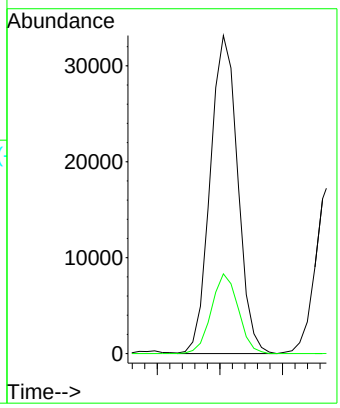


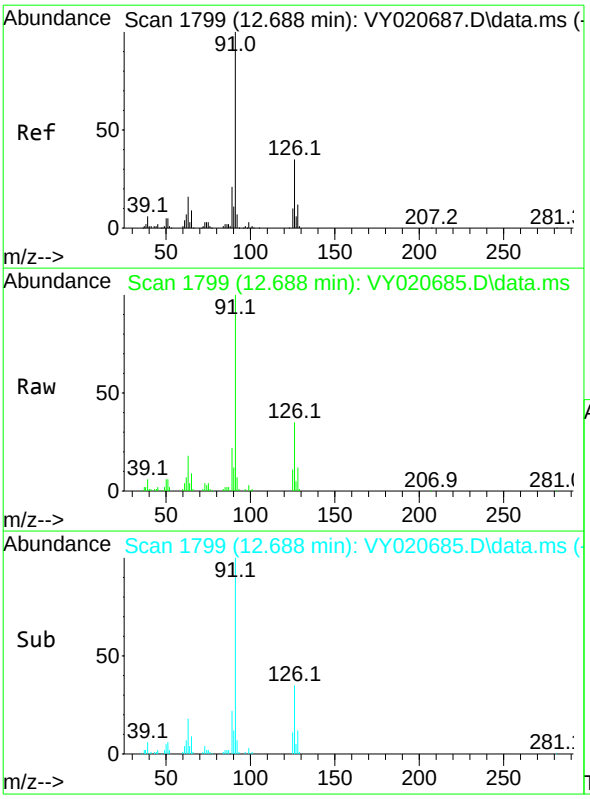


#78
n-propylbenzene
Concen: 10.224 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 91 Resp: 50644

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.1	33.1

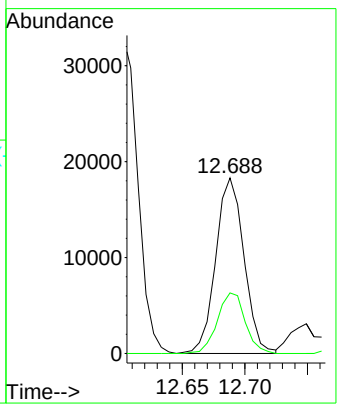




#79
2-Chlorotoluene
Concen: 10.206 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 91 Resp: 28781

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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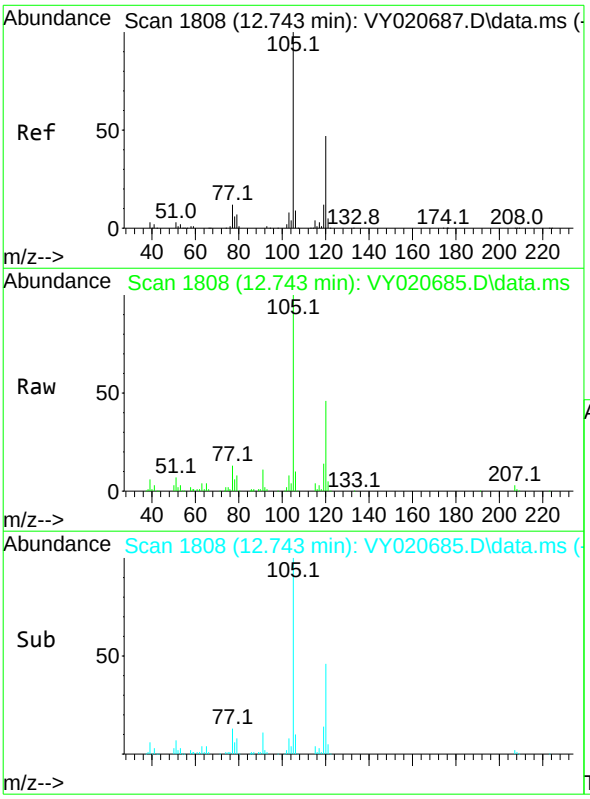
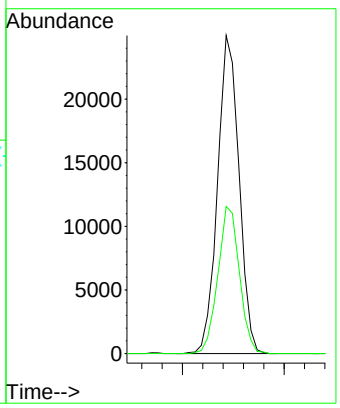
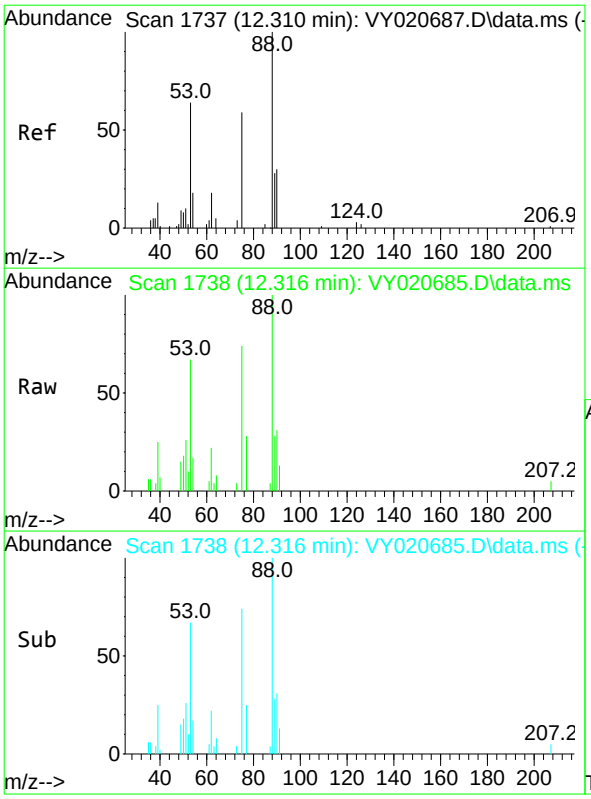


#80
1,3,5-Trimethylbenzene
Concen: 10.066 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:105 Resp: 36685

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.9	71.7

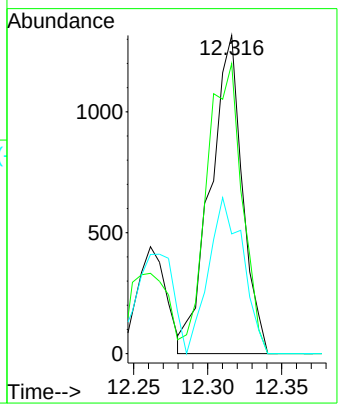




#81
trans-1,4-Dichloro-2-butene
Concen: 9.632 ug/l
RT: 12.316 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 1974

Ion	Ratio	Lower	Upper
75	100		
53	100.4	75.4	113.2
89	52.6	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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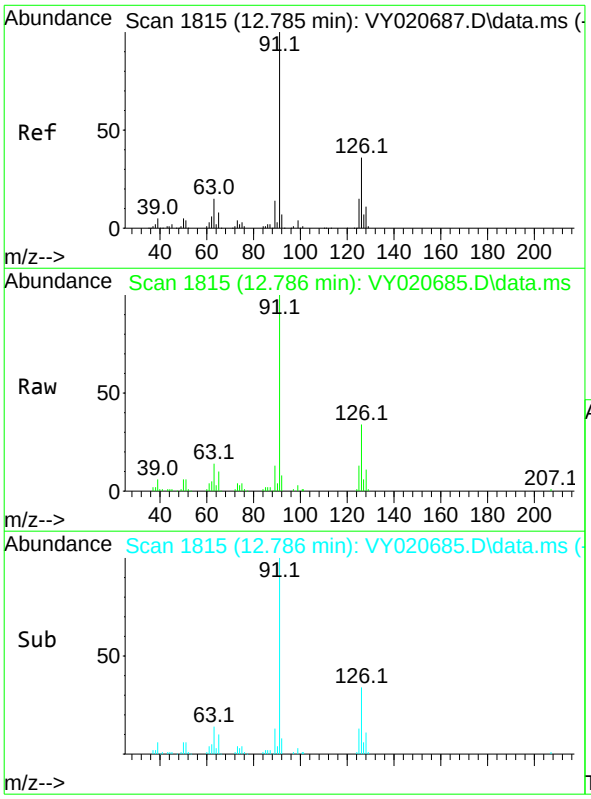
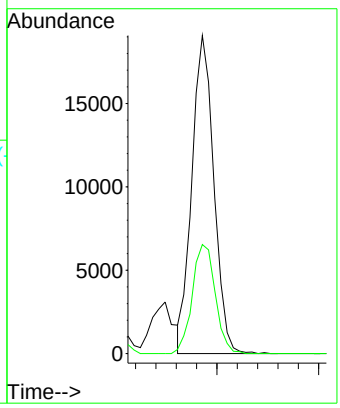
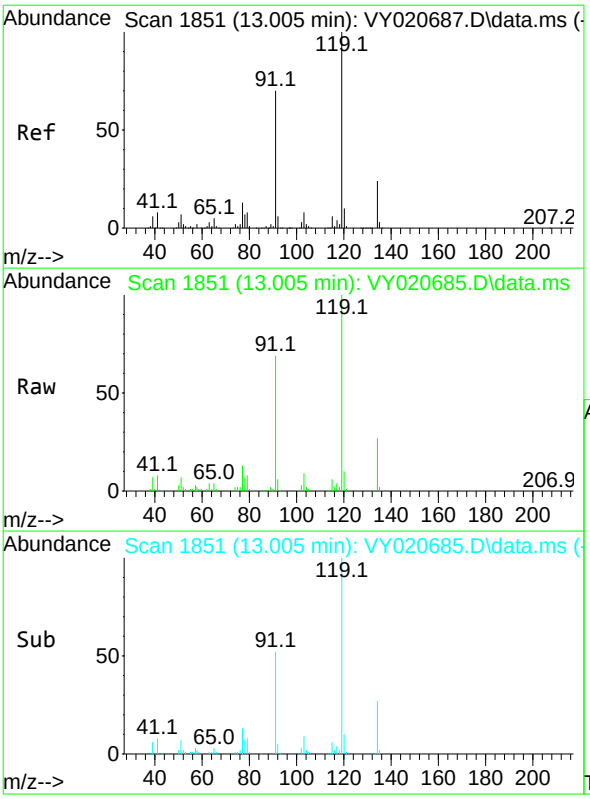


#82
4-Chlorotoluene
Concen: 9.947 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 91 Resp: 28608

Ion	Ratio	Lower	Upper
91	100		
126	35.9	16.6	49.7

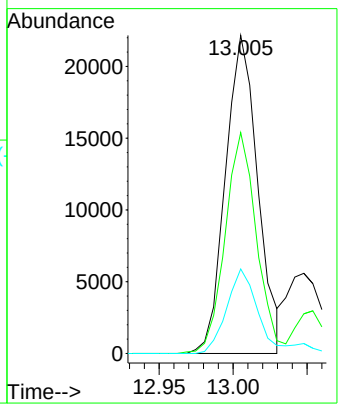




#83
tert-Butylbenzene
Concen: 9.940 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:119 Resp: 33707

Ion	Ratio	Lower	Upper
119	100		
91	67.4	32.9	98.6
134	25.2	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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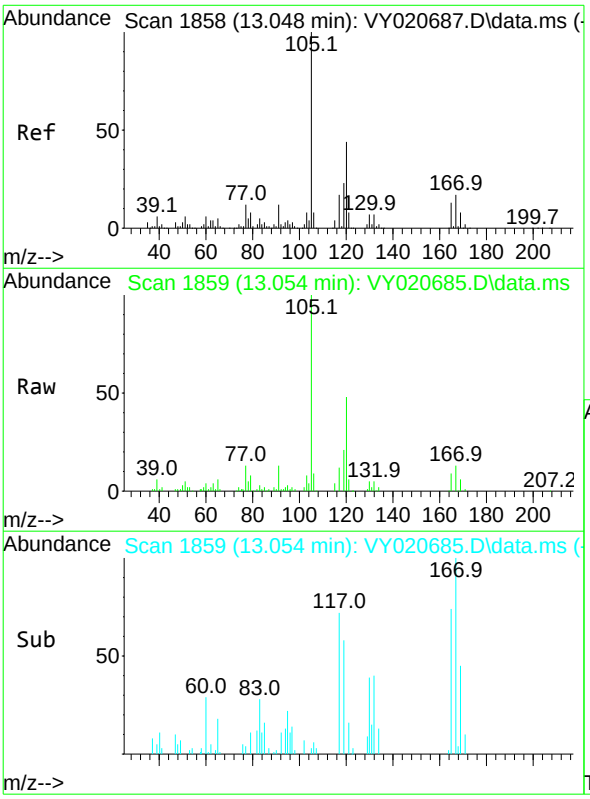
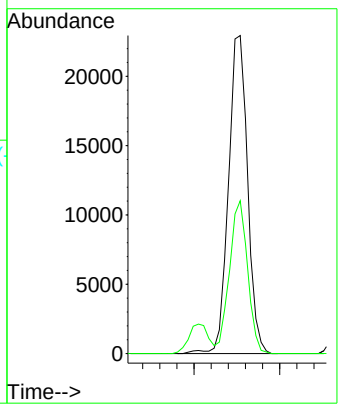
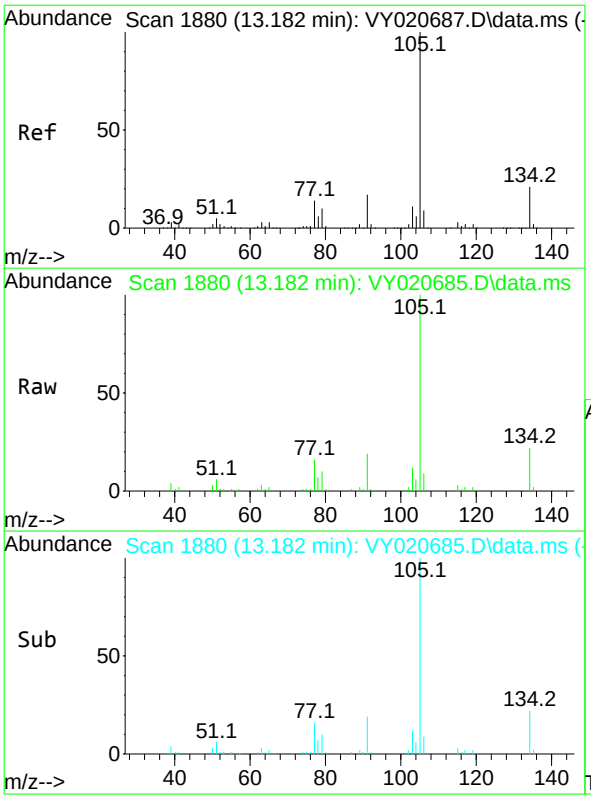


#84
1,2,4-Trimethylbenzene
Concen: 9.975 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:105 Resp: 35512

Ion	Ratio	Lower	Upper
105	100		
120	45.8	21.8	65.4

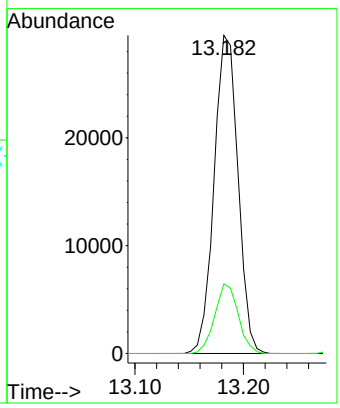




#85
sec-Butylbenzene
Concen: 9.882 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:105 Resp: 45121

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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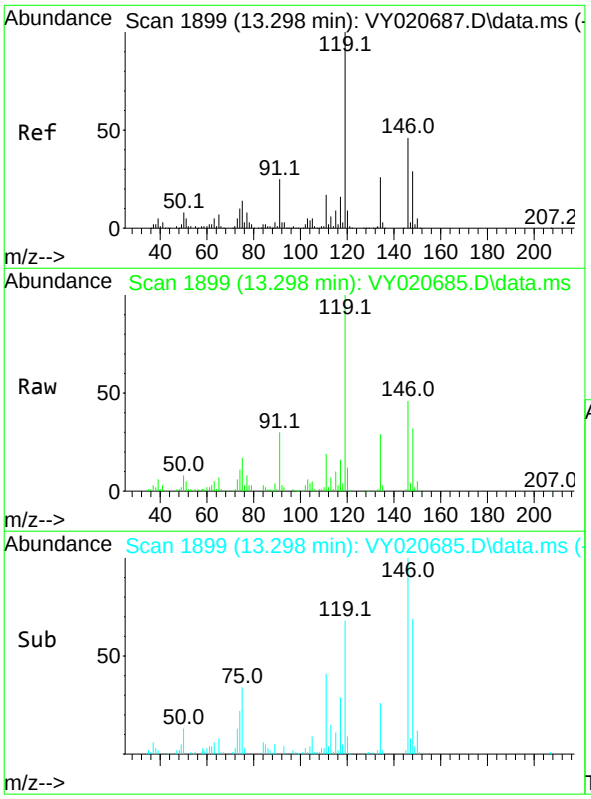
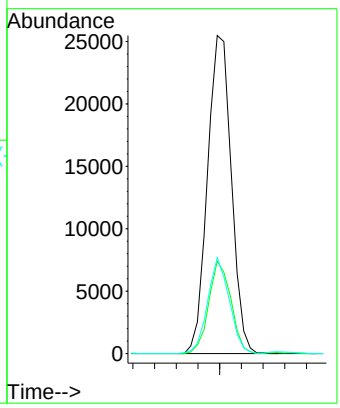
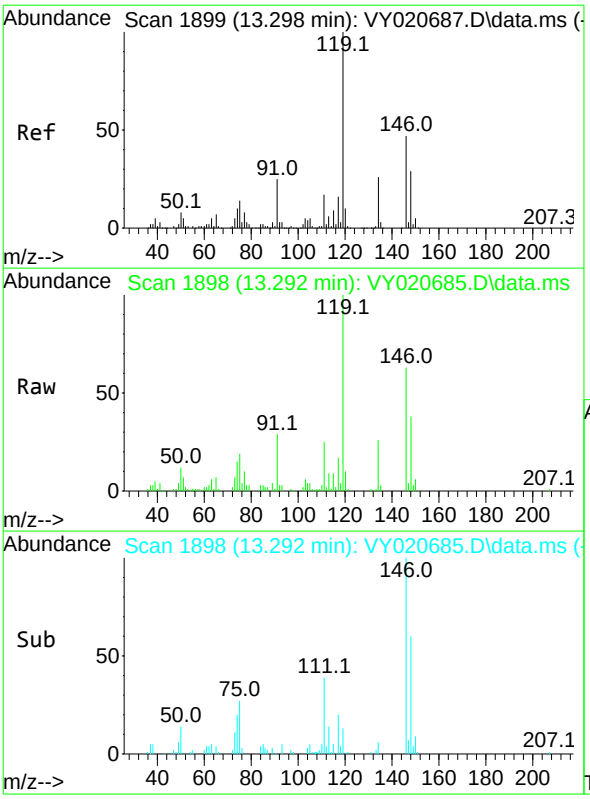


#86
p-Isopropyltoluene
Concen: 9.762 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:119 Resp: 38967

Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.9	38.6
91	27.4	12.1	36.3

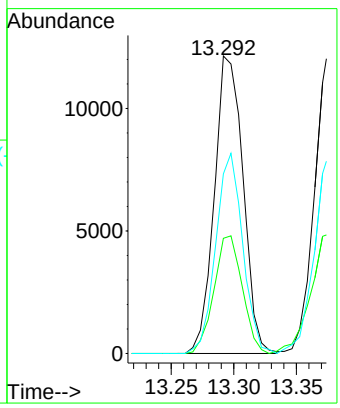




#87
1,3-Dichlorobenzene
Concen: 9.961 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:146 Resp: 19361

Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.6	61.8
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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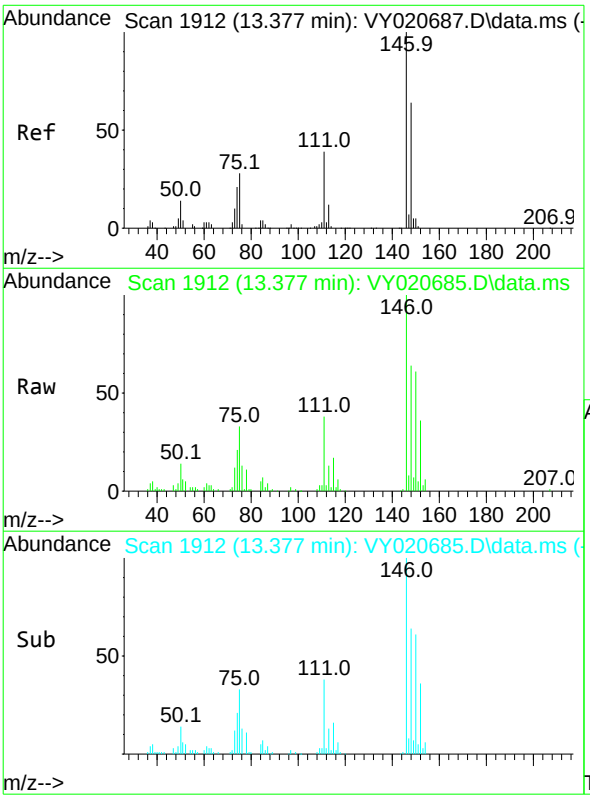
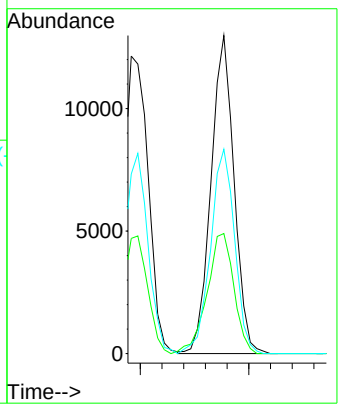
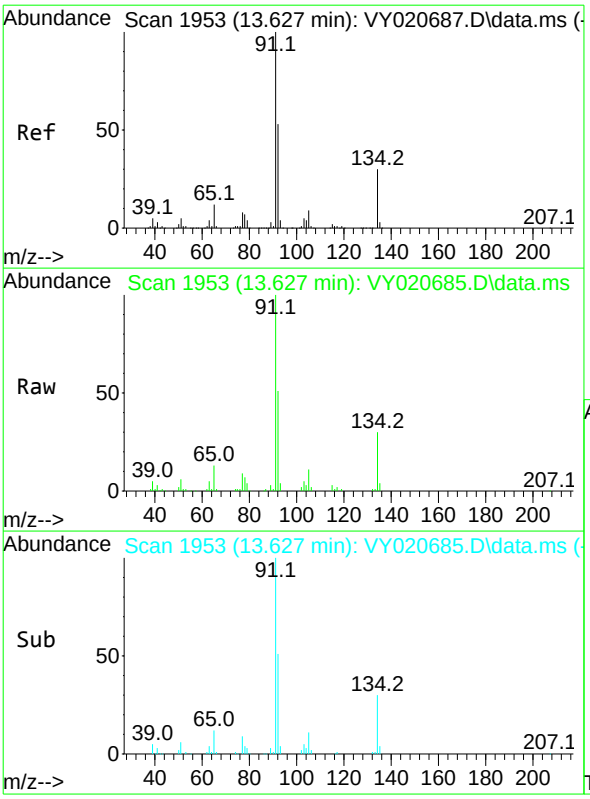


#88
1,4-Dichlorobenzene
Concen: 10.077 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:146 Resp: 19190

Ion	Ratio	Lower	Upper
146	100		
111	43.8	19.6	58.7
148	67.2	31.9	95.5

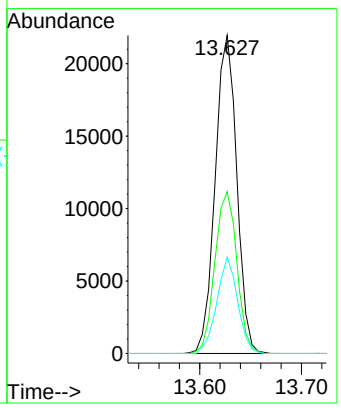




#89
n-Butylbenzene
Concen: 9.622 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 91 Resp: 32356

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	29.2	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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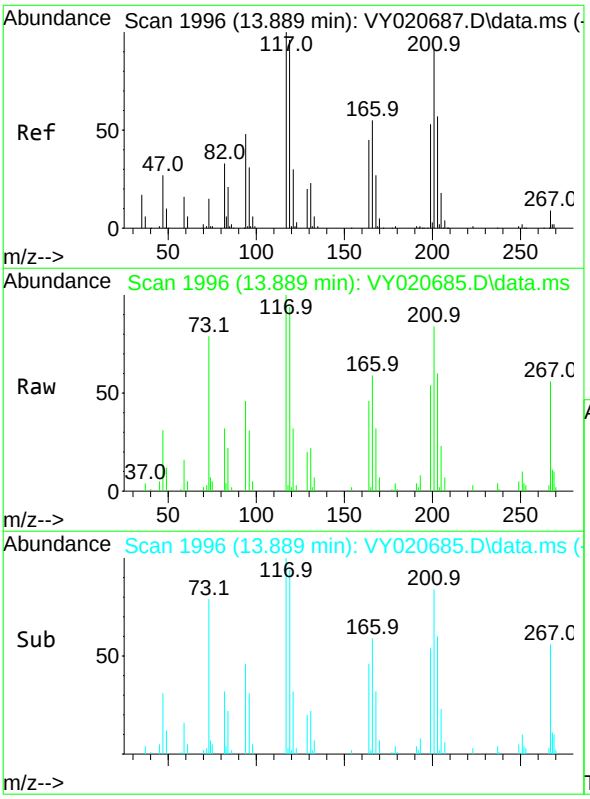
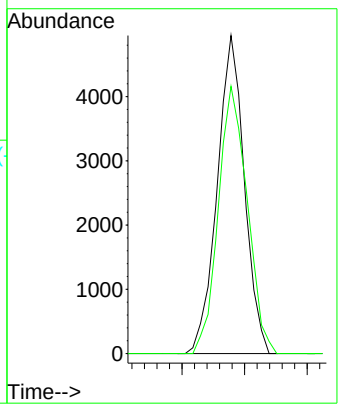
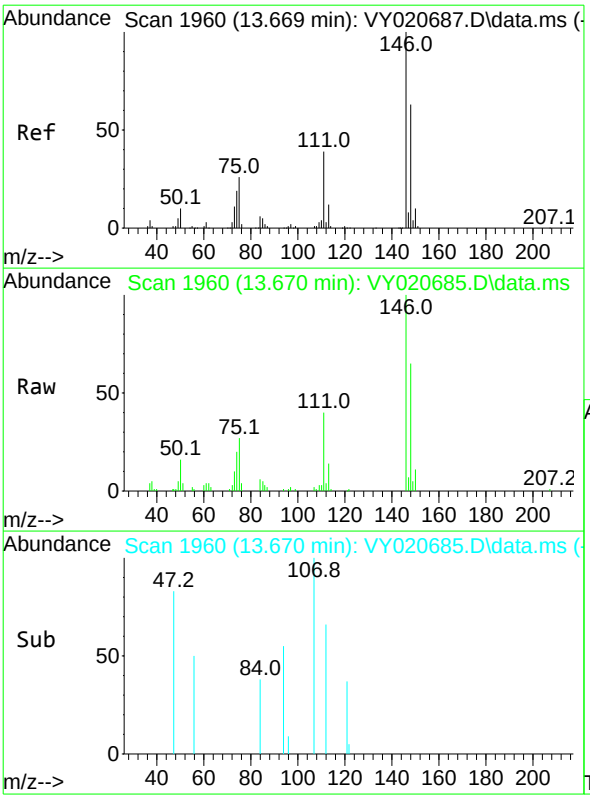


#90
Hexachloroethane
Concen: 9.854 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:117 Resp: 7462

Ion	Ratio	Lower	Upper
117	100		
201	89.2	39.1	117.3

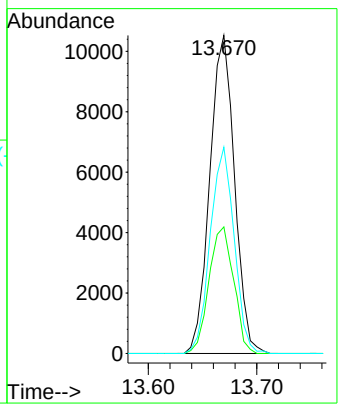




#91
1,2-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:146 Resp: 16674

Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.3	63.7
148	62.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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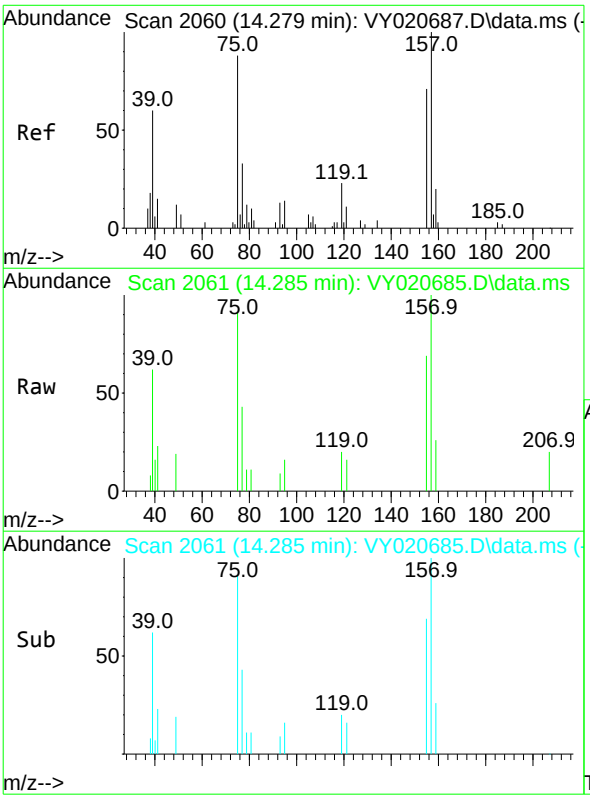
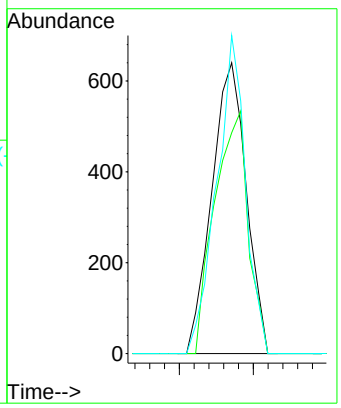
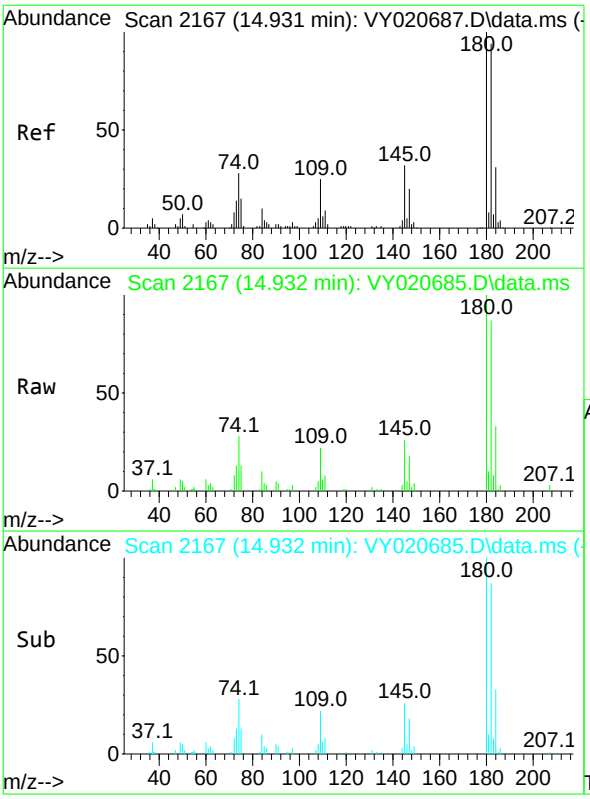


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.616 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion: 75 Resp: 1036

Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.1	123.3
157	91.7	52.9	158.8

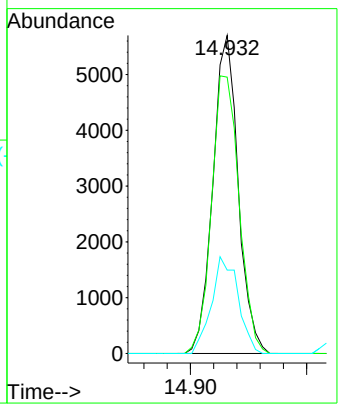




#93
1,2,4-Trichlorobenzene
Concen: 8.704 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:180 Resp: 8620

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	32.1	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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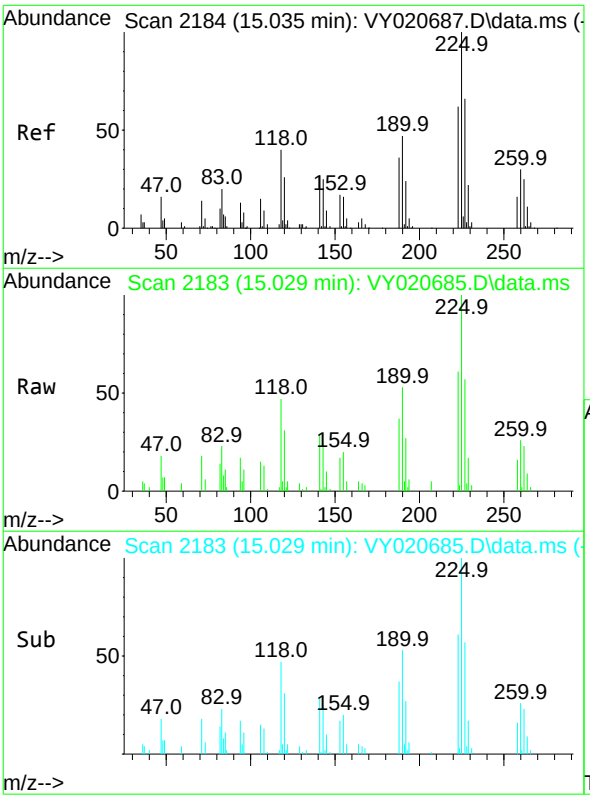
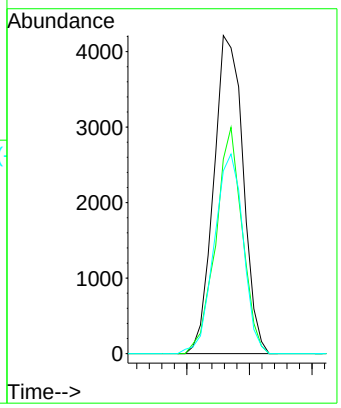
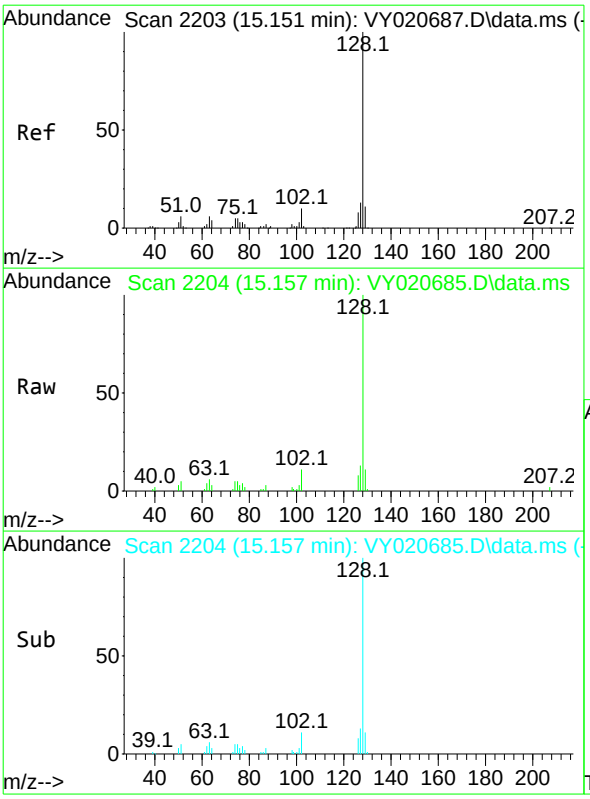


#94
Hexachlorobutadiene
Concen: 9.286 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:225 Resp: 6847

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.8	95.3
227	62.0	32.2	96.6

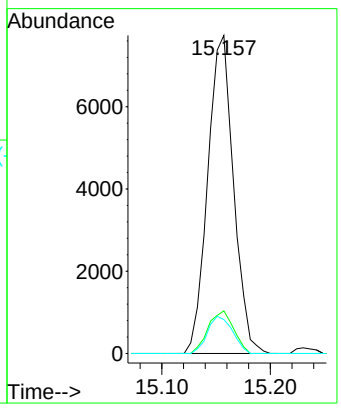




#95
Naphthalene
Concen: 9.985 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:128 Resp: 12784

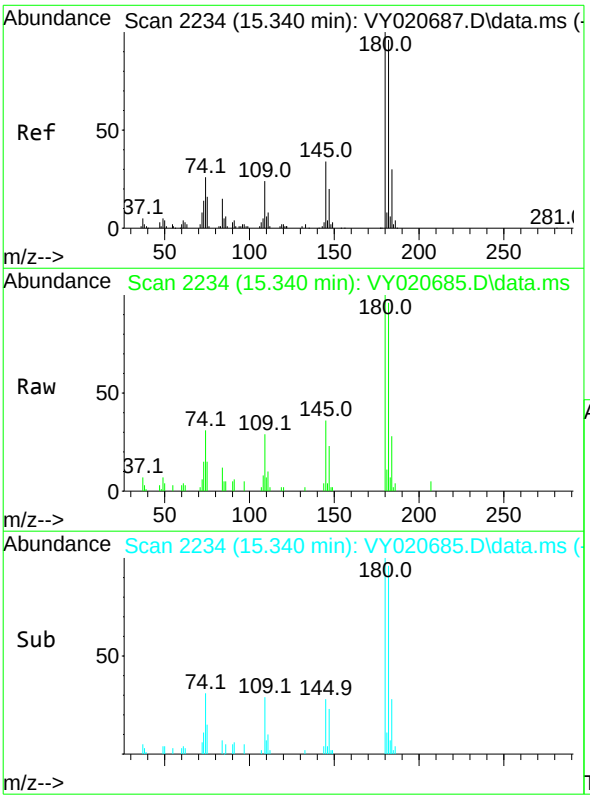
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.3	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

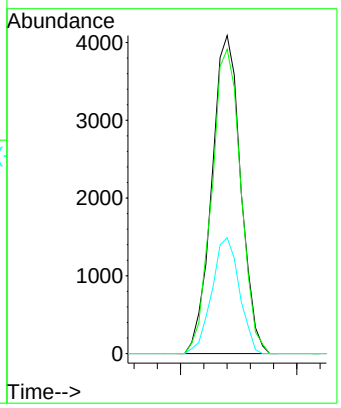
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 8.512 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020685.D
Acq: 23 Dec 2024 11:53

Tgt Ion:180 Resp: 7047

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.9
145	34.8	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	103299	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	146320	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	121625	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	61580	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.079	65	14842	16.223	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	32.440%#			
35) Dibromofluoromethane	7.652	113	14605	16.999	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	34.000%#			
50) Toluene-d8	10.115	98	47674	15.278	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	30.560%#			
62) 4-Bromofluorobenzene	12.414	95	19827	17.457	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.920%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	16059	20.179	ug/l		96
3) Chloromethane	2.080	50	6255	19.293	ug/l		99
4) Vinyl Chloride	2.214	62	7606	19.242	ug/l		91
5) Bromomethane	2.605	94	5068	18.157	ug/l		92
6) Chloroethane	2.751	64	4676	19.463	ug/l		96
7) Trichlorofluoromethane	3.074	101	27711	19.494	ug/l		93
8) Diethyl Ether	3.464	74	6435	18.913	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.842	101	15658	20.172	ug/l		95
10) Methyl Iodide	4.025	142	17327	19.377	ug/l		90
11) Tert butyl alcohol	4.872	59	7042	96.153	ug/l	#	75
12) 1,1-Dichloroethene	3.812	96	13008	18.882	ug/l		94
13) Acrolein	3.671	56	2407	136.768	ug/l		99
14) Allyl chloride	4.409	41	16079	19.903	ug/l	#	77
15) Acrylonitrile	5.074	53	12017	95.818	ug/l		98
16) Acetone	3.891	43	9729	93.103	ug/l		94
17) Carbon Disulfide	4.129	76	31760	18.491	ug/l		100
18) Methyl Acetate	4.403	43	5057	18.705	ug/l	#	80
19) Methyl tert-butyl Ether	5.135	73	37356	19.935	ug/l	#	88
20) Methylene Chloride	4.641	84	13114	18.833	ug/l		88
21) trans-1,2-Dichloroethene	5.141	96	14461	19.467	ug/l		85
22) Diisopropyl ether	6.037	45	32675	19.784	ug/l	#	81
23) Vinyl Acetate	5.976	43	96326	98.495	ug/l	#	88
24) 1,1-Dichloroethane	5.939	63	24684	20.049	ug/l		98
25) 2-Butanone	6.921	43	13772	93.819	ug/l	#	87
26) 2,2-Dichloropropane	6.896	77	29975	19.460	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	17272	19.522	ug/l		93
28) Bromochloromethane	7.262	49	5831	18.304	ug/l	#	60
29) Tetrahydrofuran	7.274	42	8223	95.307	ug/l	#	71
30) Chloroform	7.439	83	31119	19.229	ug/l		99
31) Cyclohexane	7.720	56	20675	19.152	ug/l	#	75
32) 1,1,1-Trichloroethane	7.634	97	33427	19.771	ug/l		97
36) 1,1-Dichloropropene	7.848	75	20597	19.723	ug/l		96
37) Ethyl Acetate	7.000	43	6954	20.375	ug/l	#	95
38) Carbon Tetrachloride	7.829	117	32873	19.452	ug/l		99
39) Methylcyclohexane	9.116	83	25219	18.999	ug/l		92
40) Benzene	8.091	78	59071	19.607	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	4200m	21.744	ug/l		
42) 1,2-Dichloroethane	8.177	62	18941	19.768	ug/l		96
43) Isopropyl Acetate	8.207	43	13839	19.509	ug/l	#	84
44) Trichloroethene	8.878	130	17982	20.111	ug/l		89
45) 1,2-Dichloropropane	9.152	63	12024	20.313	ug/l		100
46) Dibromomethane	9.244	93	8071	19.751	ug/l		93
47) Bromodichloromethane	9.433	83	22921	19.773	ug/l		98
48) Methyl methacrylate	9.231	41	6476	19.258	ug/l	#	81
49) 1,4-Dioxane	9.244	88	1500	357.918	ug/l		91
51) 4-Methyl-2-Pentanone	10.006	43	33865	95.570	ug/l		93
52) Toluene	10.176	92	40575	19.777	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	20438	19.925	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	22589	19.986	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	10314	19.493	ug/l		93
56) Ethyl methacrylate	10.445	69	12869	19.067	ug/l		90
57) 1,3-Dichloropropane	10.725	76	17032	19.692	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	23853	94.571	ug/l	#	80
59) 2-Hexanone	10.768	43	21478	95.158	ug/l		94
60) Dibromochloromethane	10.920	129	16794	19.880	ug/l		100
61) 1,2-Dibromoethane	11.024	107	9810	19.777	ug/l		98
64) Tetrachloroethene	10.652	164	16119	19.955	ug/l		96
65) Chlorobenzene	11.451	112	44944	19.775	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	17535	19.757	ug/l		95
67) Ethyl Benzene	11.524	91	81152	19.902	ug/l		100
68) m/p-Xylenes	11.640	106	62622	40.273	ug/l		100
69) o-Xylene	11.963	106	29146	19.954	ug/l		99
70) Styrene	11.975	104	49613	20.194	ug/l		99
71) Bromoform	12.139	173	10096	19.860	ug/l	#	97
73) Isopropylbenzene	12.261	105	83068	19.832	ug/l		98
74) N-amyl acetate	12.078	43	11066	18.802	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	10583	19.634	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	8402m	20.817	ug/l		
77) Bromobenzene	12.536	156	18528	19.425	ug/l		84
78) n-propylbenzene	12.603	91	93262	19.749	ug/l		95
79) 2-Chlorotoluene	12.688	91	53431	19.875	ug/l		97
80) 1,3,5-Trimethylbenzene	12.743	105	69321	19.953	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	3826	19.584	ug/l		95
82) 4-Chlorotoluene	12.786	91	54974	20.050	ug/l		96
83) tert-Butylbenzene	13.005	119	64233	19.870	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	68281	20.119	ug/l		100
85) sec-Butylbenzene	13.182	105	87518	20.107	ug/l		95
86) p-Isopropyltoluene	13.298	119	76618	20.134	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	36344	19.614	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	36284	19.987	ug/l		98
89) n-Butylbenzene	13.627	91	64084	19.990	ug/l		96
90) Hexachloroethane	13.889	117	13822	19.146	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	31668	19.915	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1946	18.947	ug/l		96
93) 1,2,4-Trichlorobenzene	14.932	180	17553	18.593	ug/l		99
94) Hexachlorobutadiene	15.035	225	13808	19.644	ug/l		99
95) Naphthalene	15.151	128	27861	18.322	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	14958	18.952	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 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

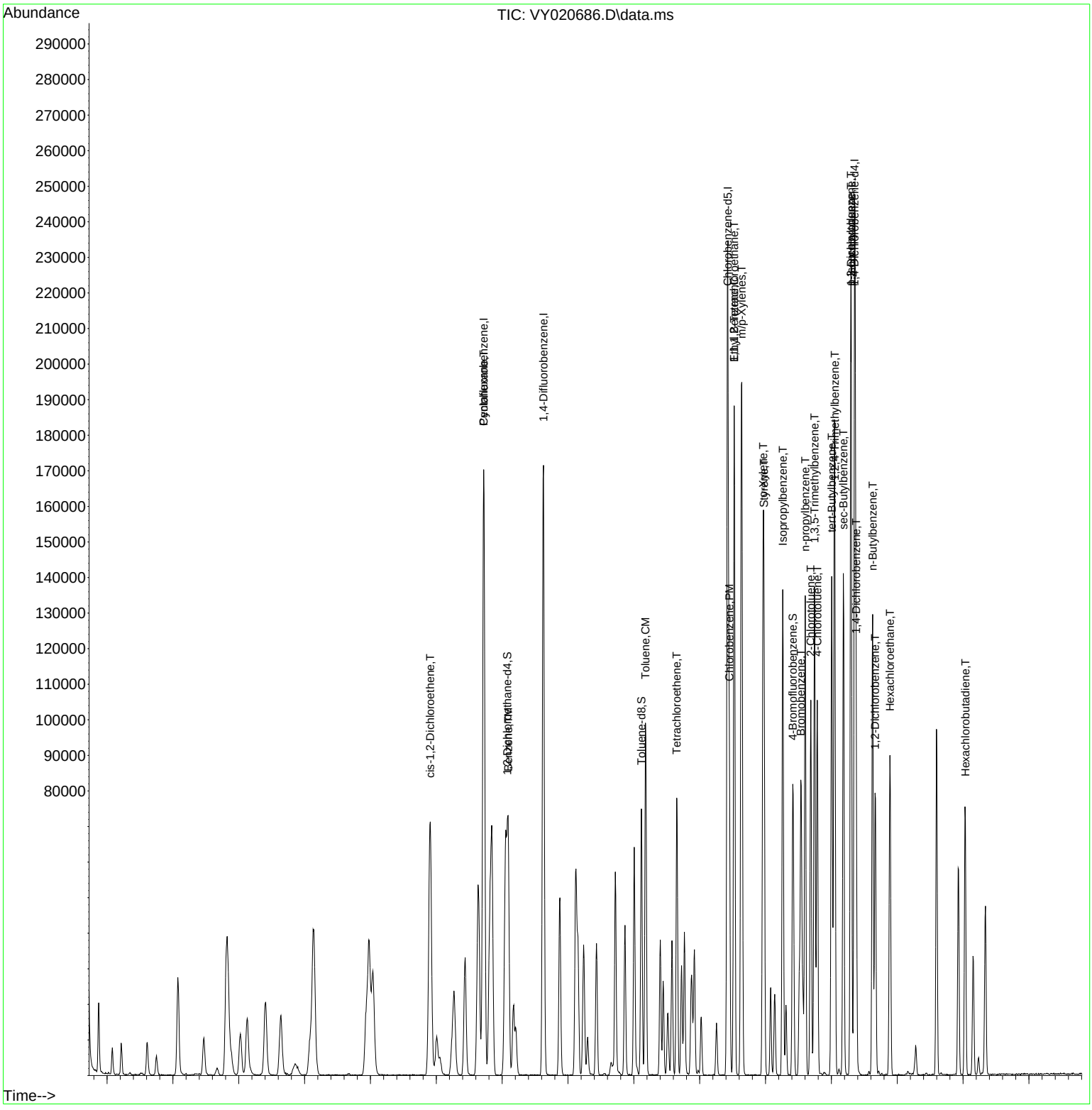
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

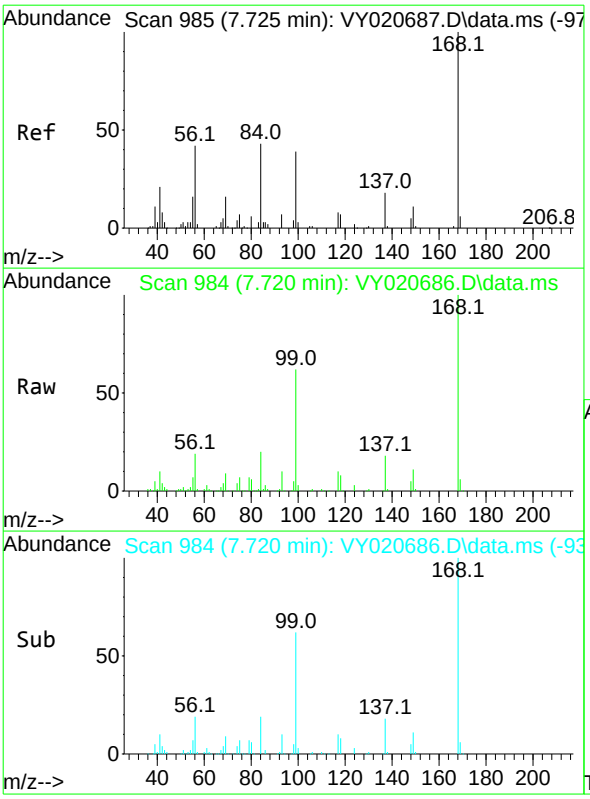
Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

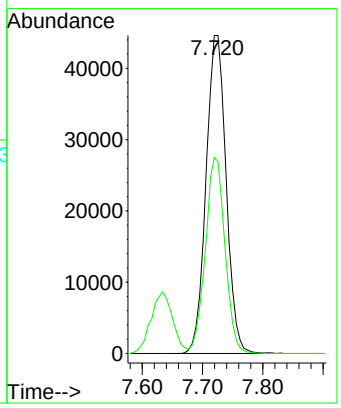




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:168 Resp: 103299

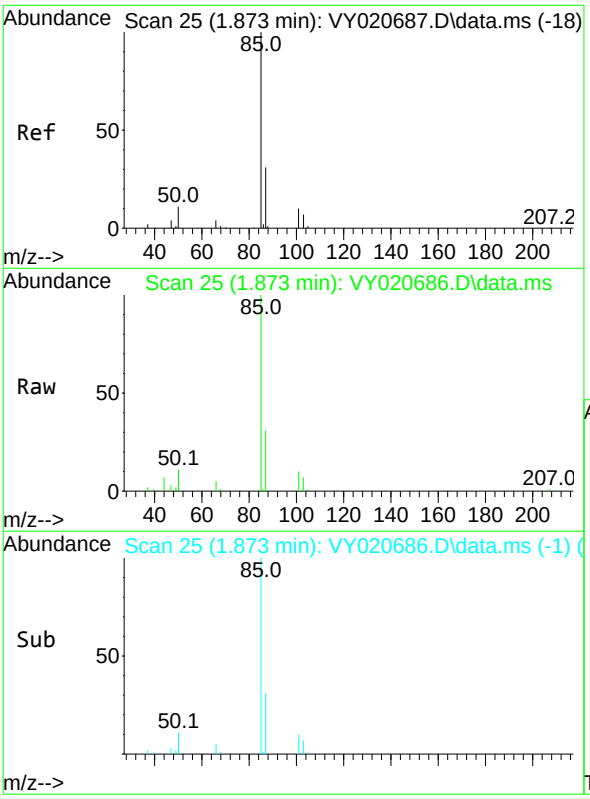
Ion	Ratio	Lower	Upper
168	100		
99	61.6	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

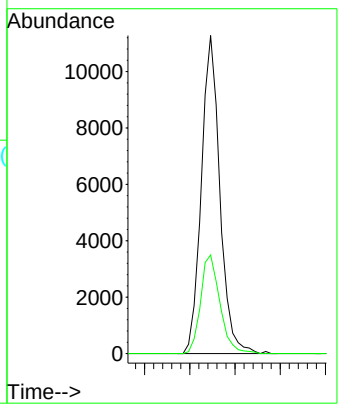
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

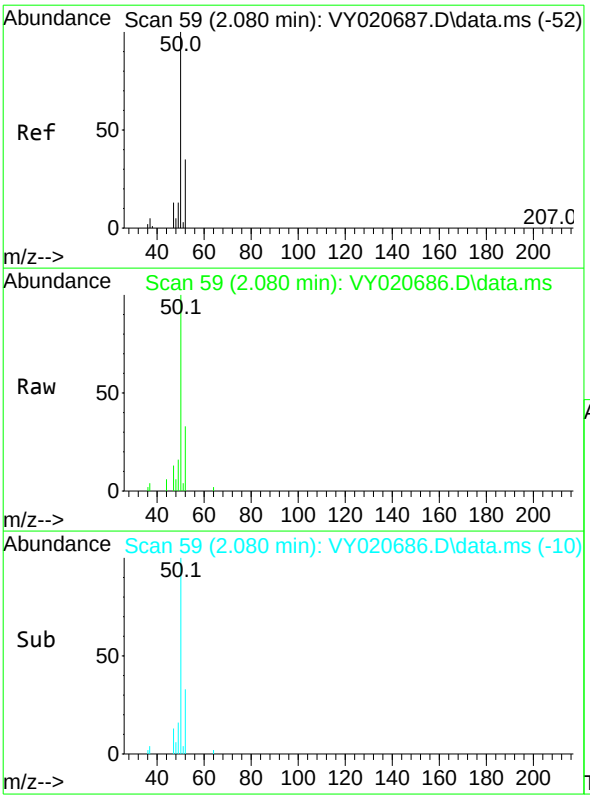


#2
Dichlorodifluoromethane
Concen: 20.179 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 85 Resp: 16059

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.8	50.3

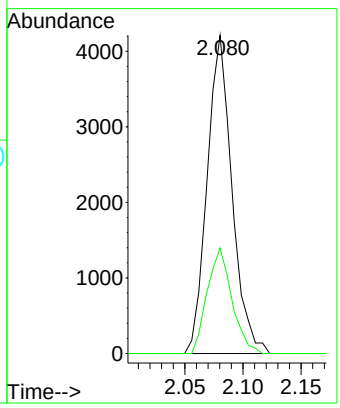




#3
Chloromethane
Concen: 19.293 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 50 Resp: 6255

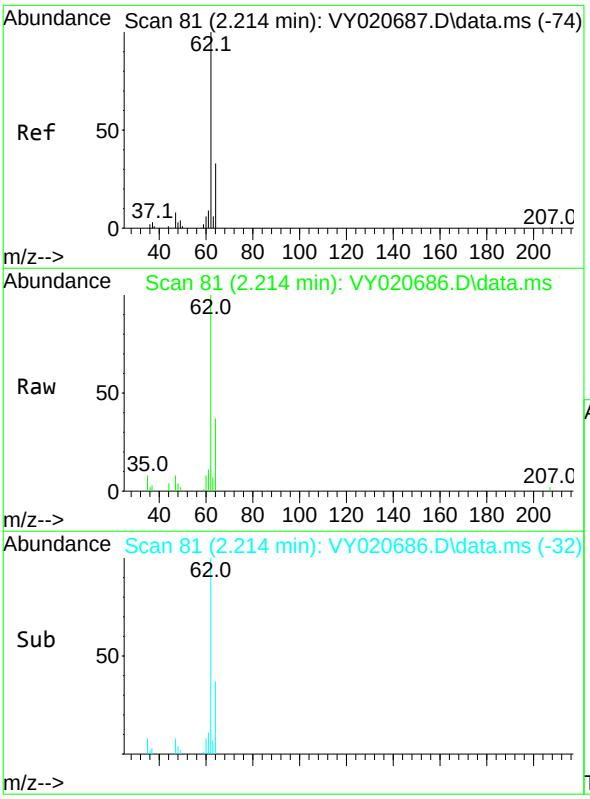
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

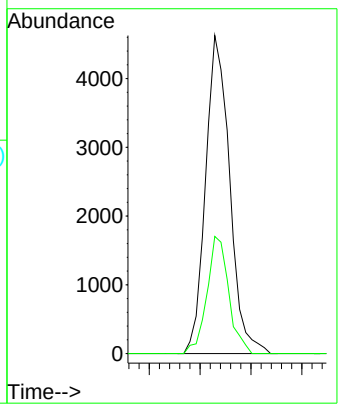
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

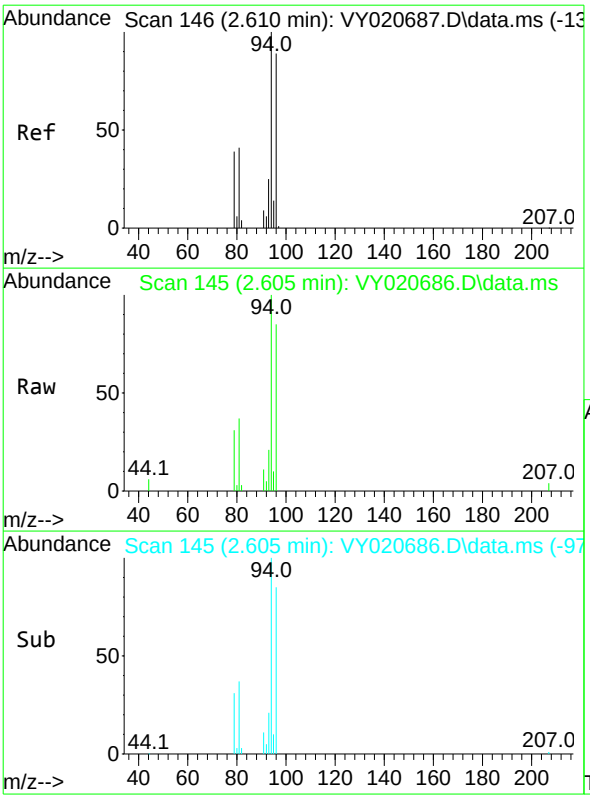


#4
Vinyl Chloride
Concen: 19.242 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 7606

Ion	Ratio	Lower	Upper
62	100		
64	36.8	25.3	37.9

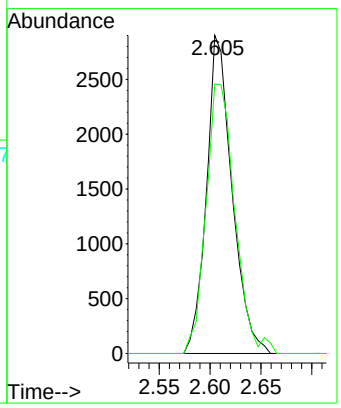




#5
Bromomethane
Concen: 18.157 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 94 Resp: 5068

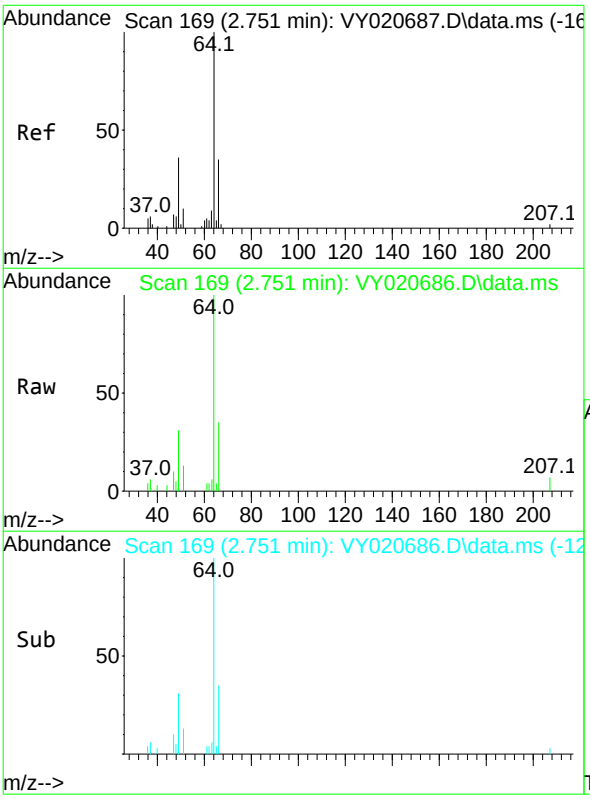
Ion	Ratio	Lower	Upper
94	100		
96	84.8	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

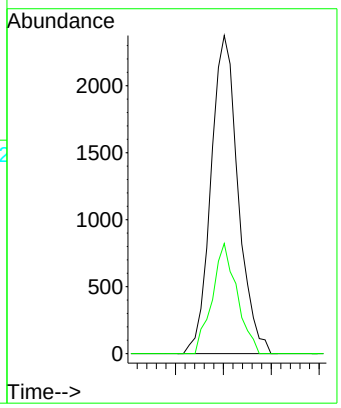
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

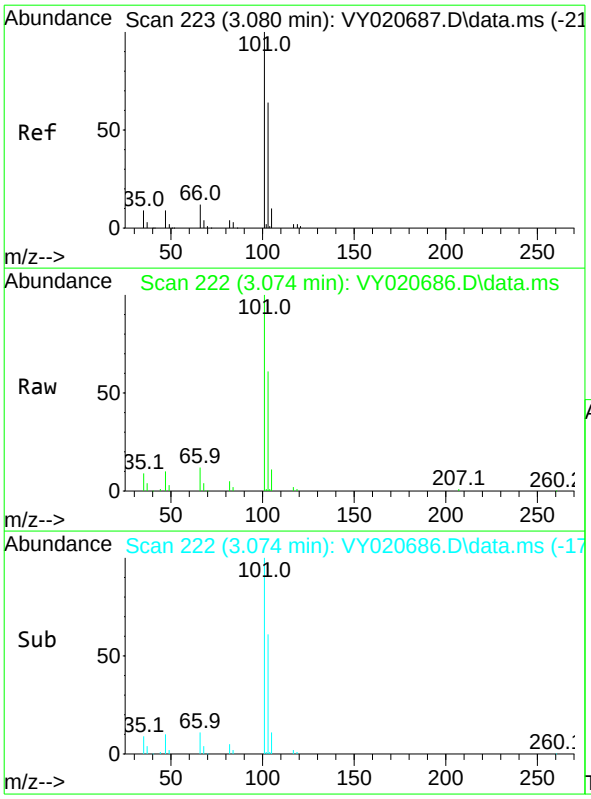


#6
Chloroethane
Concen: 19.463 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 64 Resp: 4676

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.8	38.6

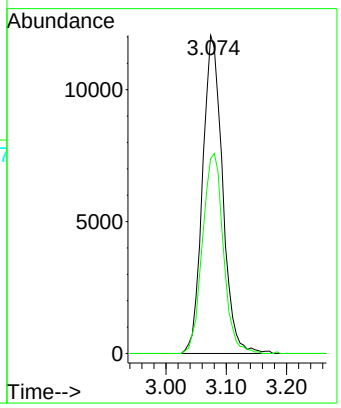




#7
Trichlorofluoromethane
Concen: 19.494 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:101 Resp: 27711

Ion	Ratio	Lower	Upper
101	100		
103	61.3	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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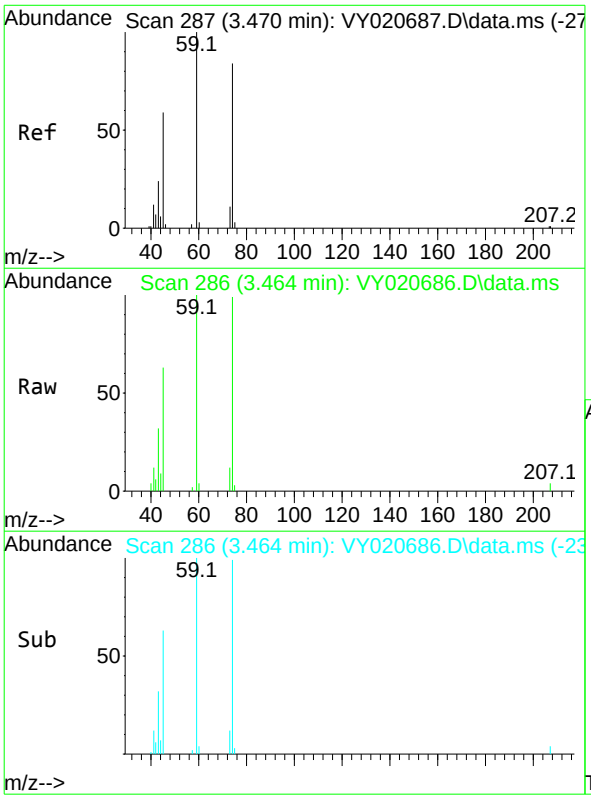
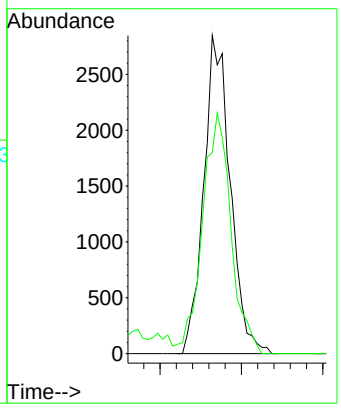
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

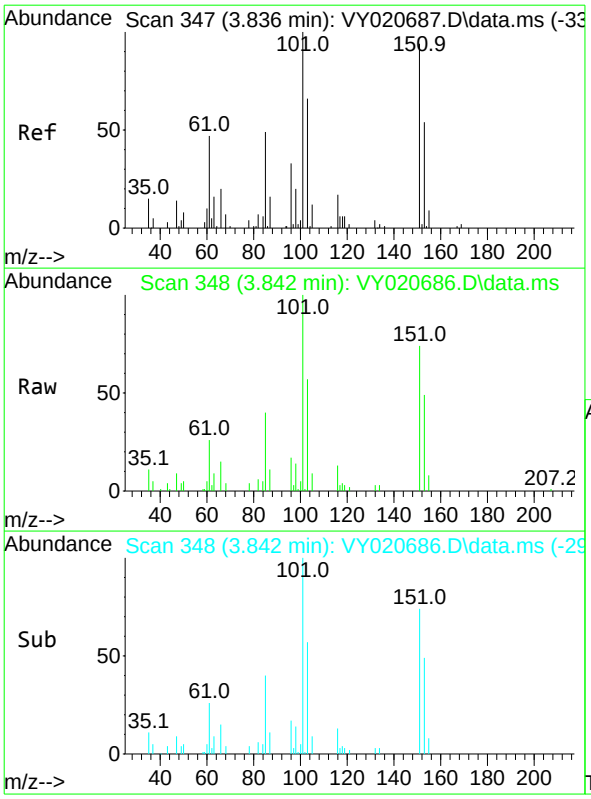


#8
Diethyl Ether
Concen: 18.913 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 74 Resp: 6435

Ion	Ratio	Lower	Upper
74	100		
45	81.5	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.172 ug/l
RT: 3.842 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:101 Resp: 15658

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.6	54.8
151	82.8	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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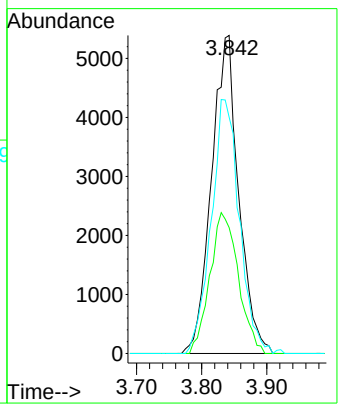
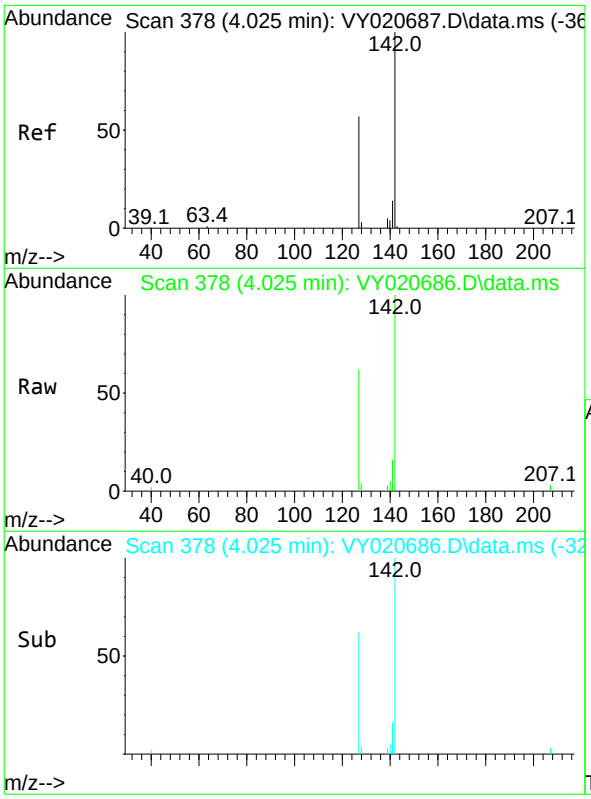
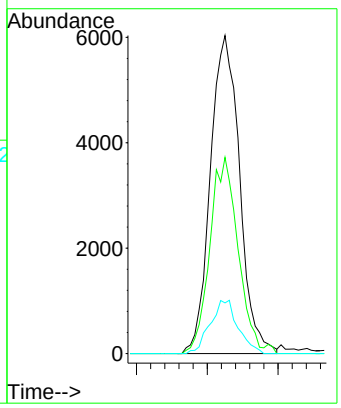


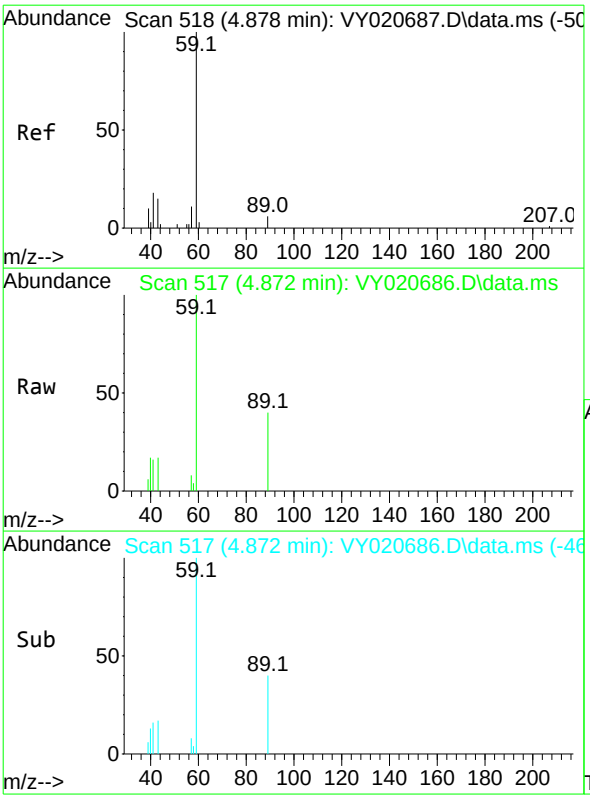


#10
Methyl Iodide
Concen: 19.377 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:142 Resp: 17327

Ion	Ratio	Lower	Upper
142	100		
127	59.2	40.6	61.0
141	16.0	11.7	17.5

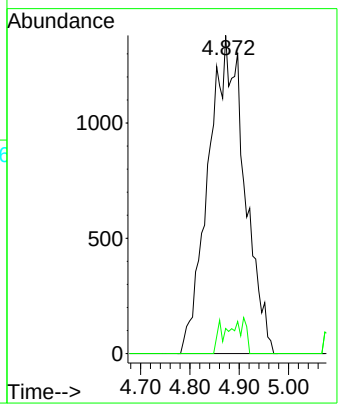




#11
Tert butyl alcohol
Concen: 96.153 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 59 Resp: 7042

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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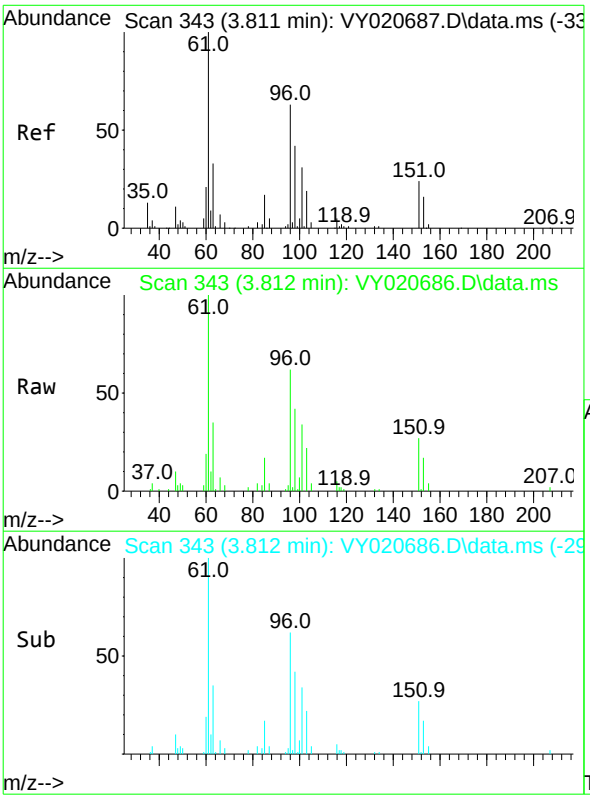
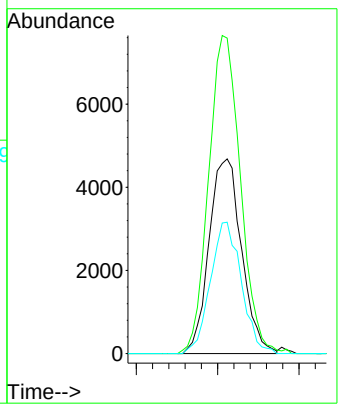
Supervised By :Mahesh Dadoda 12/26/2024

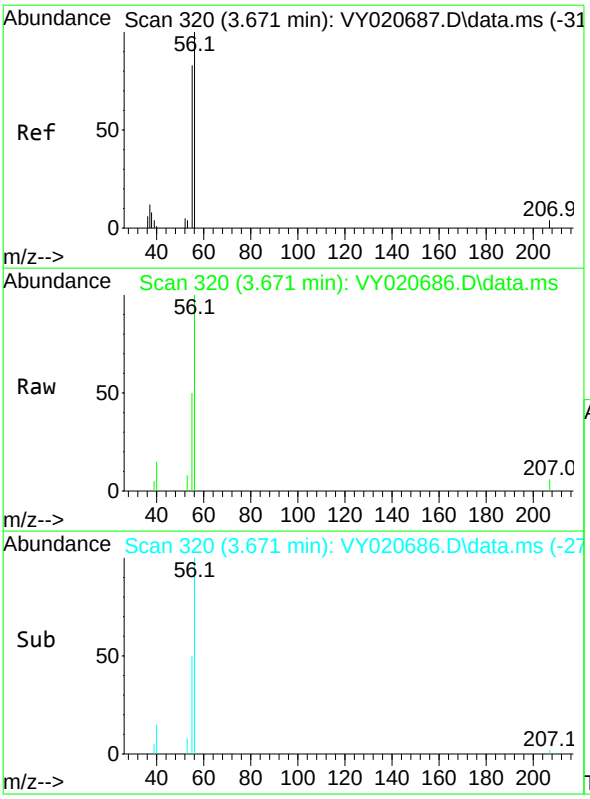


#12
1,1-Dichloroethene
Concen: 18.882 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 96 Resp: 13008

Ion	Ratio	Lower	Upper
96	100		
61	162.1	136.9	205.3
98	67.5	50.2	75.4

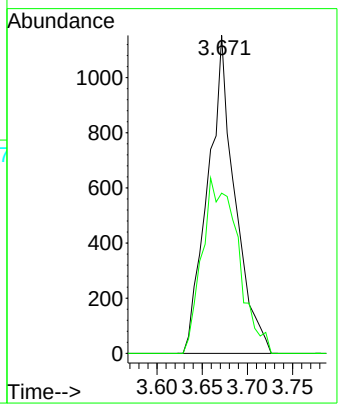




#13
Acrolein
Concen: 136.768 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 56 Resp: 2407

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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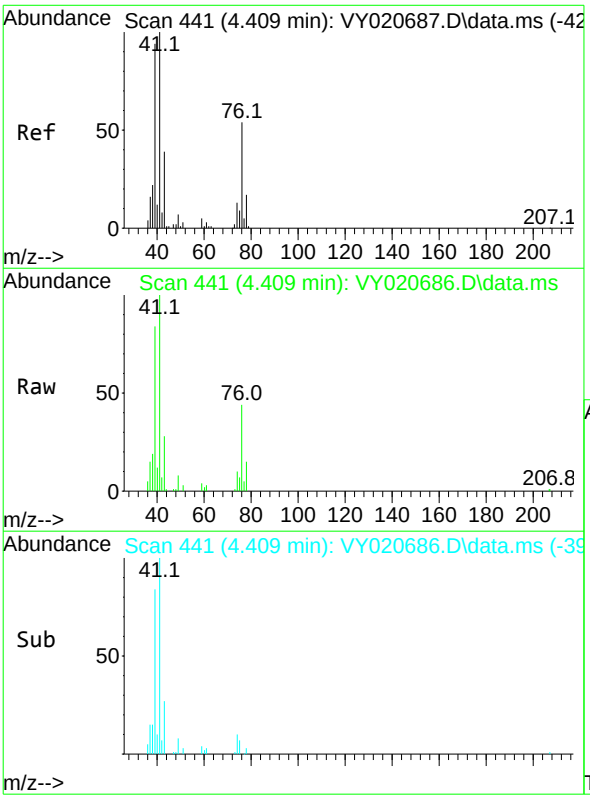
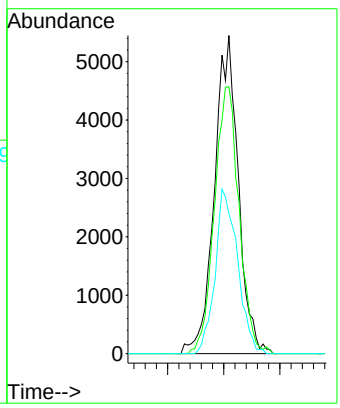
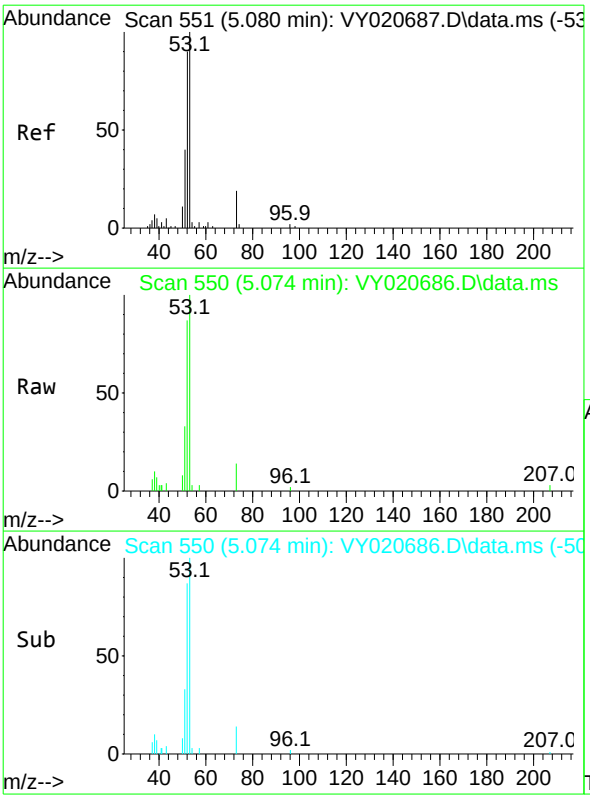


#14
Allyl chloride
Concen: 19.903 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 16079

Ion	Ratio	Lower	Upper
41	100		
39	86.5	53.0	79.4#
76	48.6	29.5	44.3#

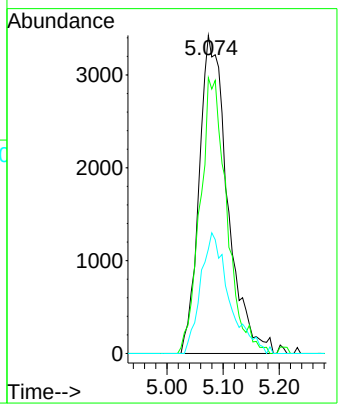




#15
Acrylonitrile
Concen: 95.818 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 53 Resp: 12017

Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.5	96.7
51	38.4	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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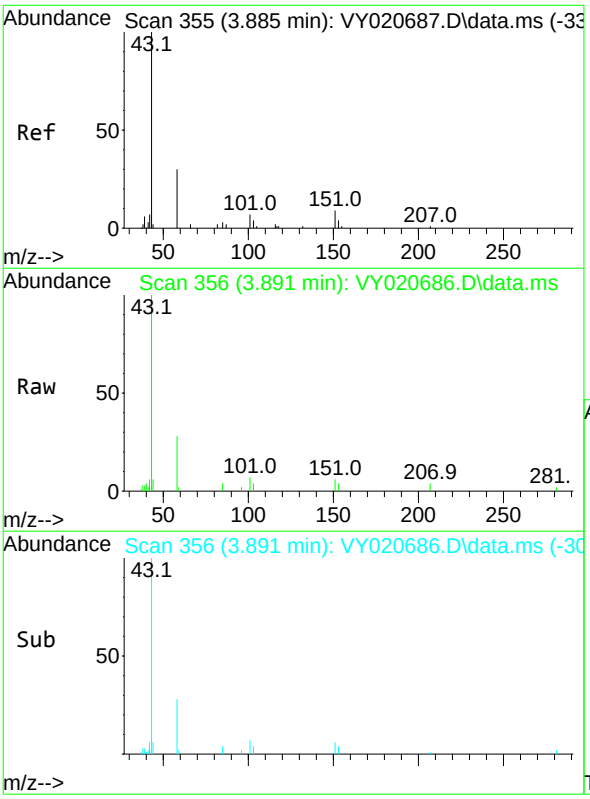
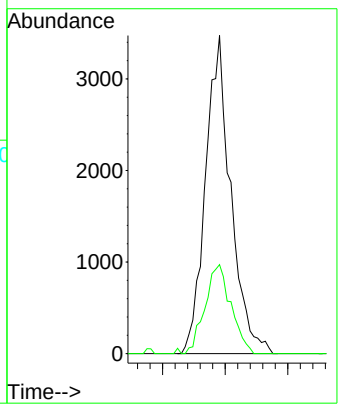
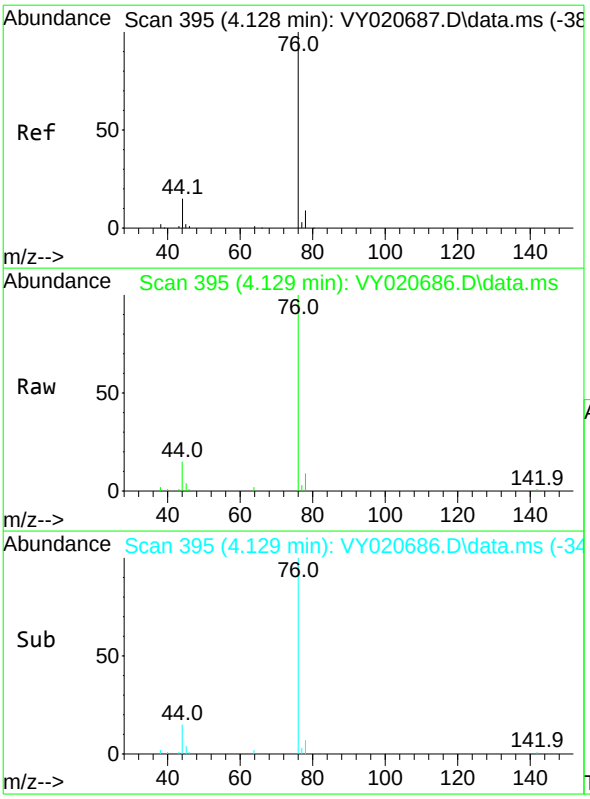


#16
Acetone
Concen: 93.103 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 9729

Ion	Ratio	Lower	Upper
43	100		
58	28.0	25.0	37.6

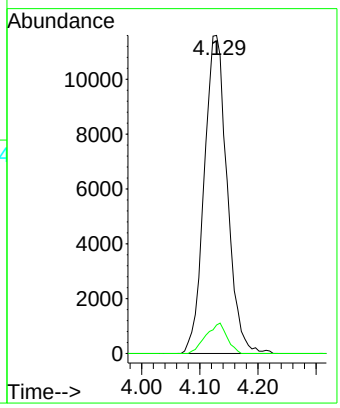




#17
Carbon Disulfide
Concen: 18.491 ug/l
RT: 4.129 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 76 Resp: 31760

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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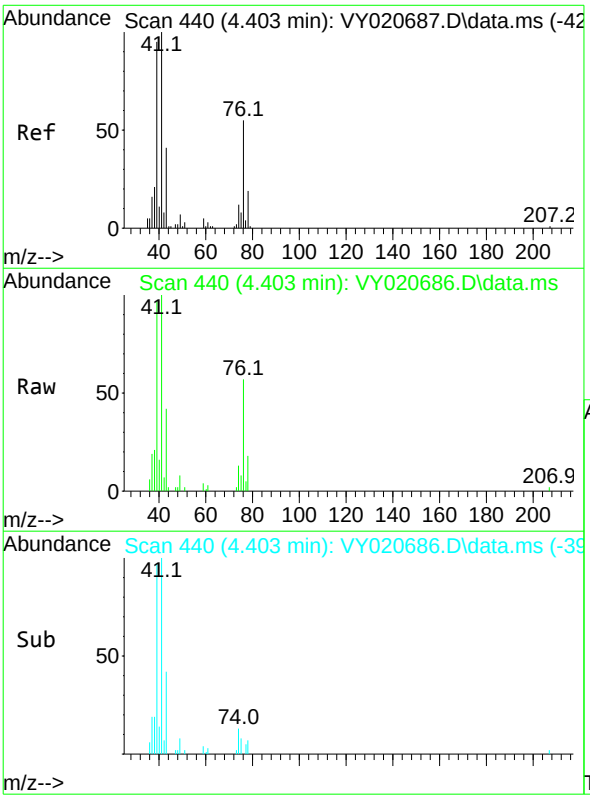
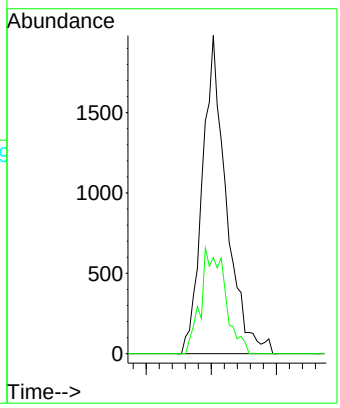
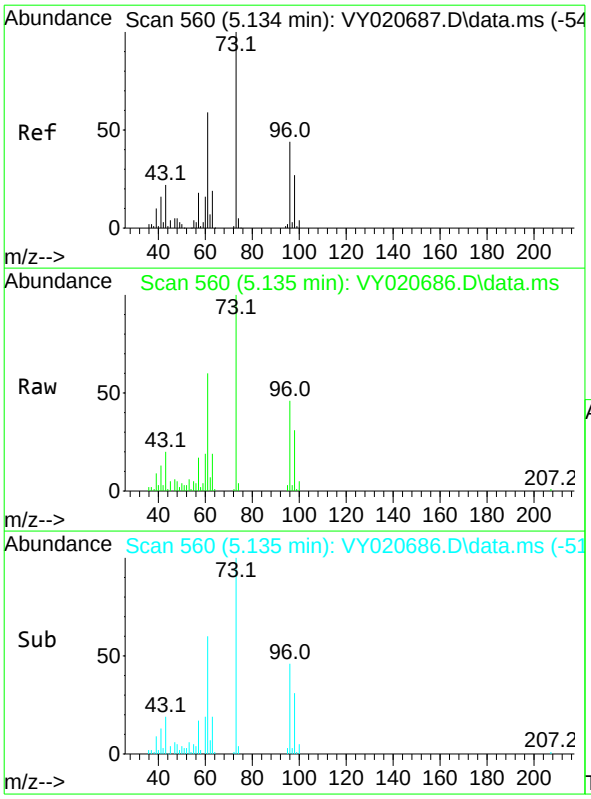


#18
Methyl Acetate
Concen: 18.705 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 5057

Ion	Ratio	Lower	Upper
43	100		
74	34.0	19.2	28.8#

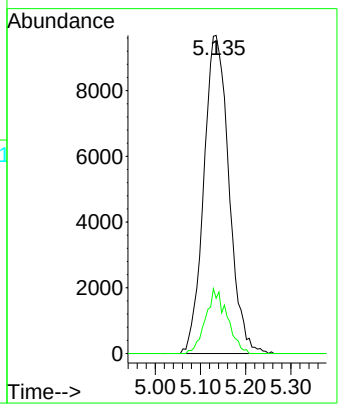




#19
Methyl tert-butyl Ether
Concen: 19.935 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 73 Resp: 37356

Ion	Ratio	Lower	Upper
73	100		
57	17.4	18.5	27.7#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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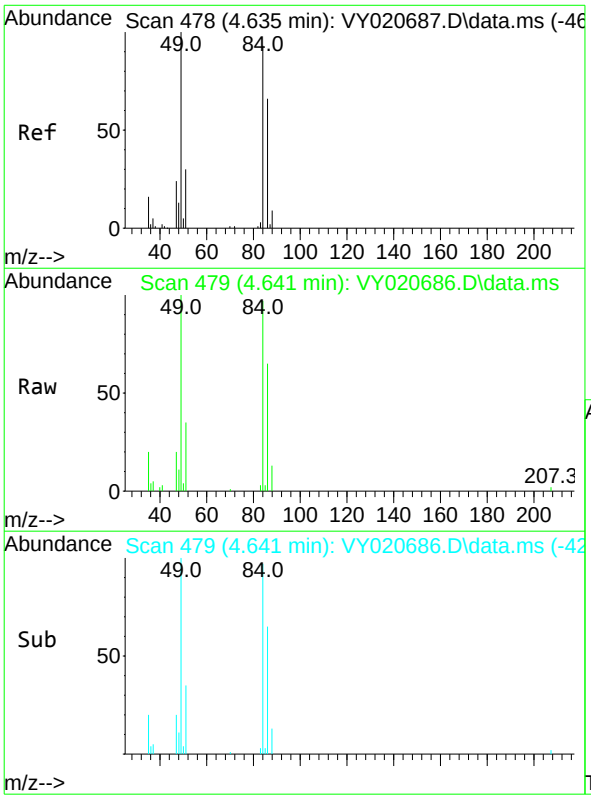
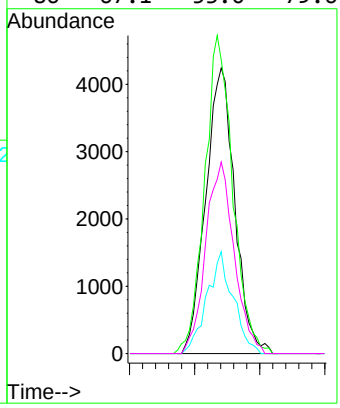
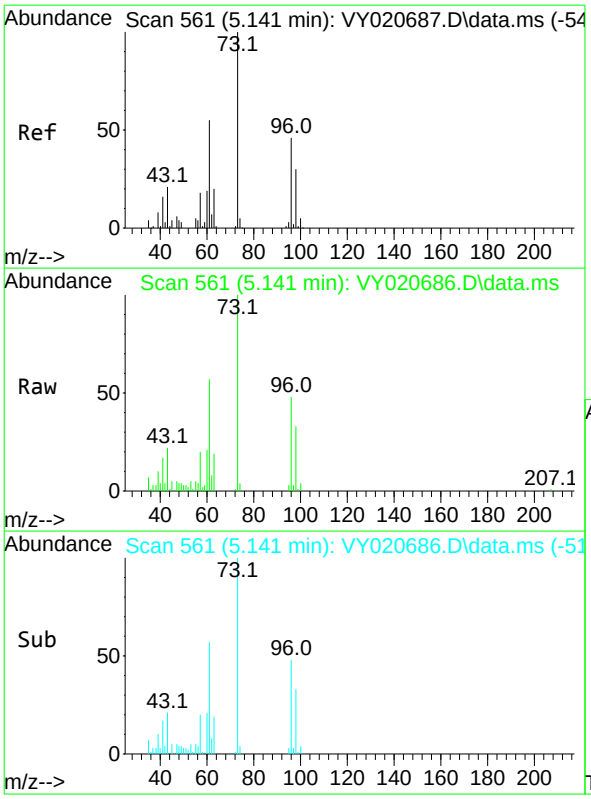


#20
Methylene Chloride
Concen: 18.833 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 84 Resp: 13114

Ion	Ratio	Lower	Upper
84	100		
49	102.9	100.7	151.1
51	35.7	32.2	48.2
86	67.1	53.0	79.6





#21
trans-1,2-Dichloroethene
Concen: 19.467 ug/l
RT: 5.141 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 14461

Ion	Ratio	Lower	Upper
96	100		
61	118.2	113.7	170.5
98	68.9	51.7	77.5

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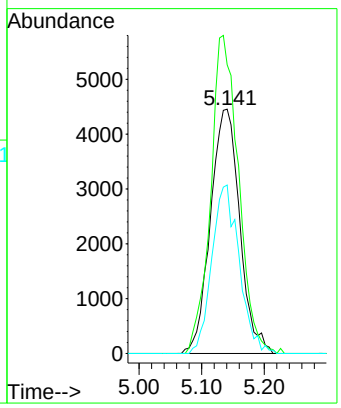
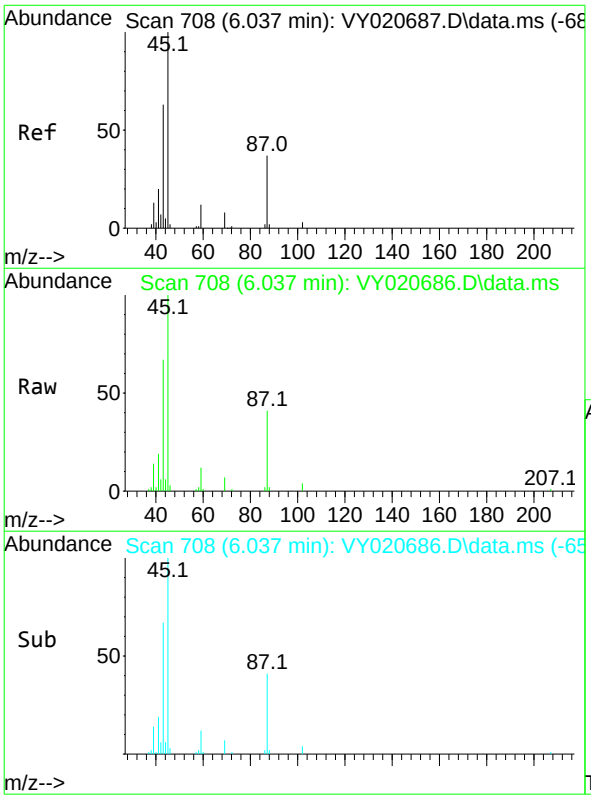
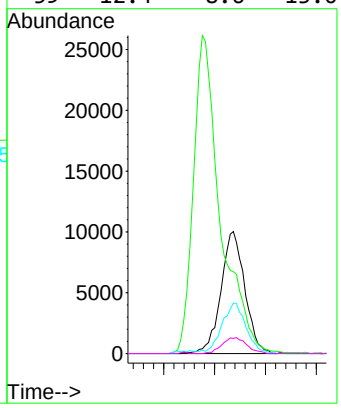


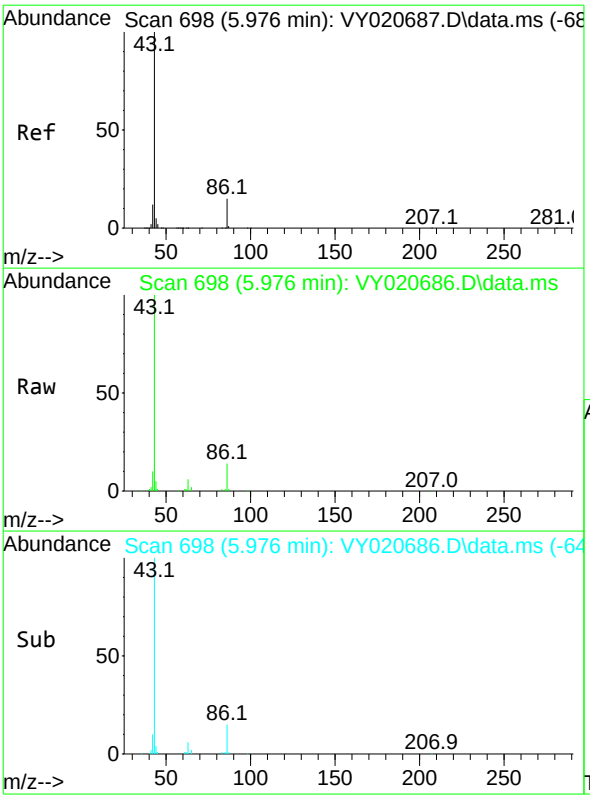


#22
Diisopropyl ether
Concen: 19.784 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 45 Resp: 32675

Ion	Ratio	Lower	Upper
45	100		
43	65.3	42.6	64.0#
87	41.4	20.6	31.0#
59	12.4	8.6	13.0





#23
Vinyl Acetate
Concen: 98.495 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 96326

Ion	Ratio	Lower	Upper
43	100		
86	14.5	8.1	12.1#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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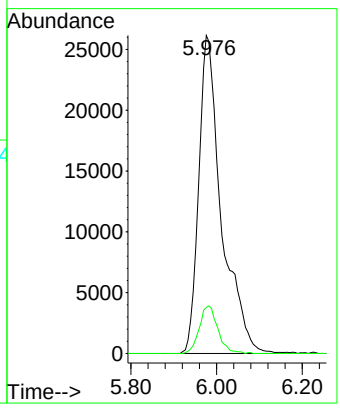
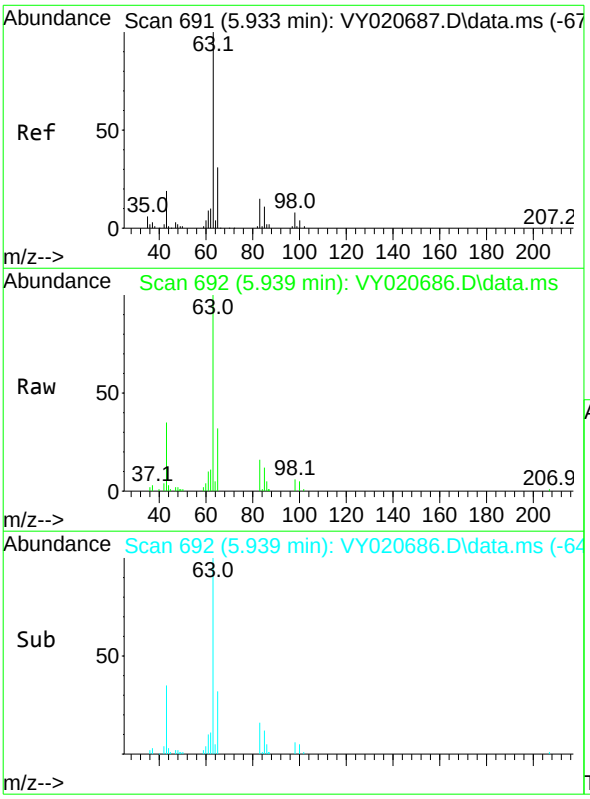
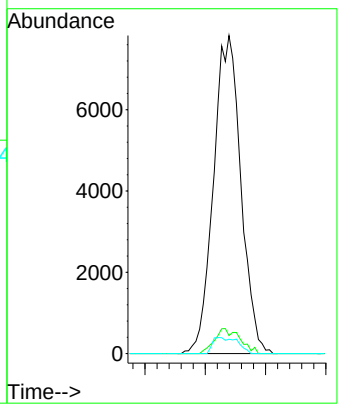


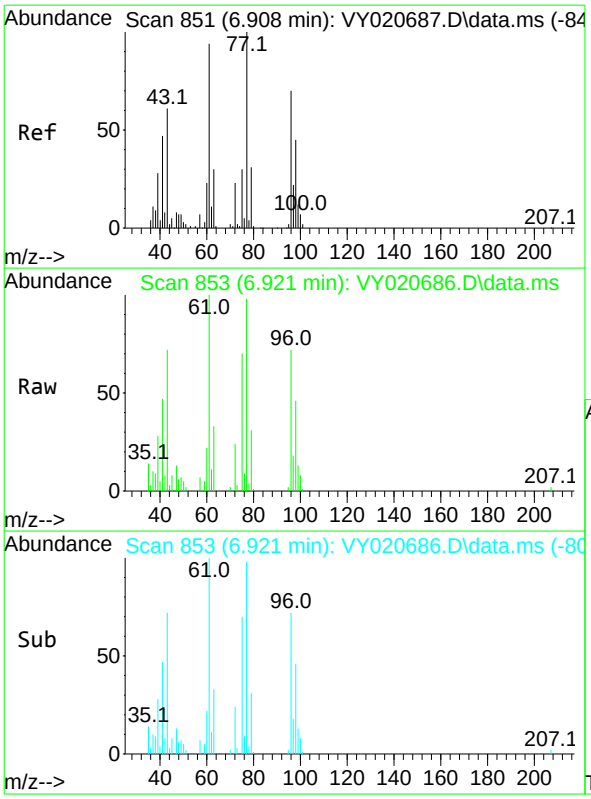


#24
1,1-Dichloroethane
Concen: 20.049 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 24684

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 93.819 ug/l
RT: 6.921 min Scan# 85
Delta R.T. 0.012 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 13772

Ion	Ratio	Lower	Upper
43	100		
72	32.5	20.6	31.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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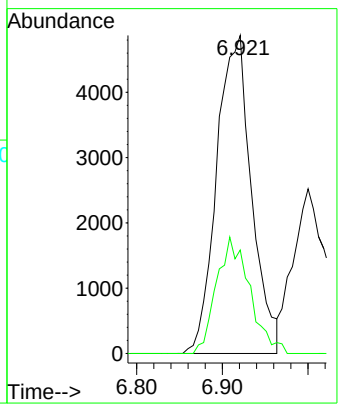
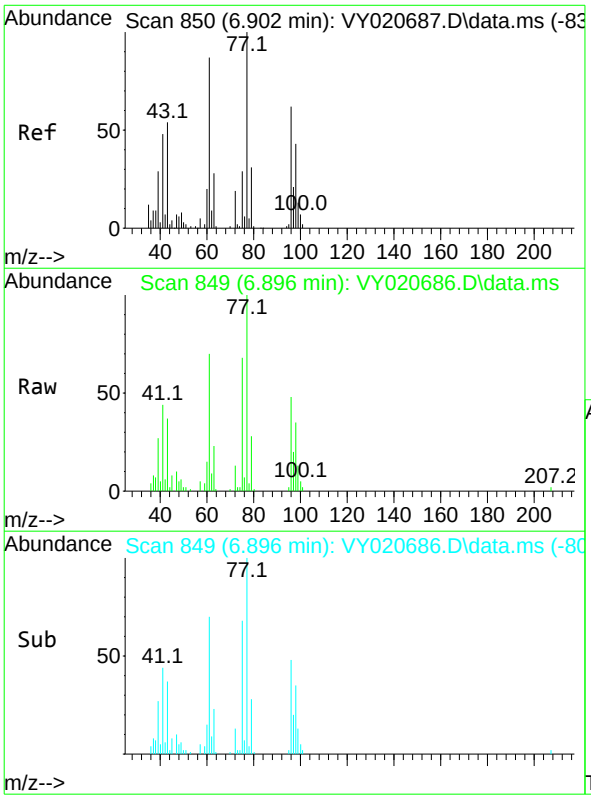
Supervised By :Mahesh Dadoda 12/26/2024

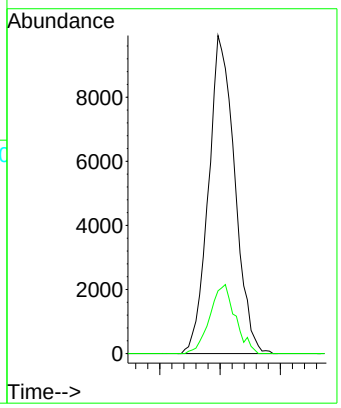


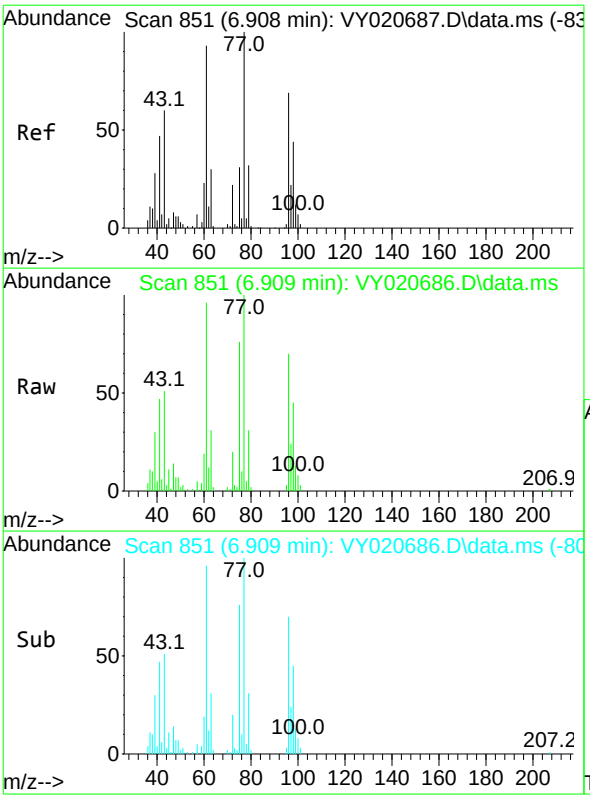


#26
2,2-Dichloropropane
Concen: 19.460 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 77 Resp: 29975

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 19.522 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 96 Resp: 17272

Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	306.2
98	65.1	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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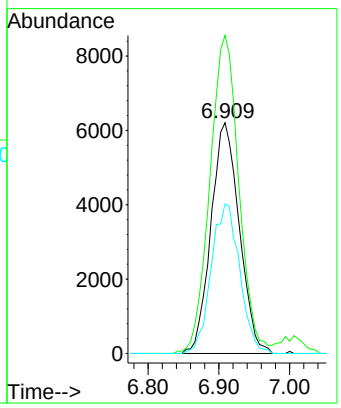
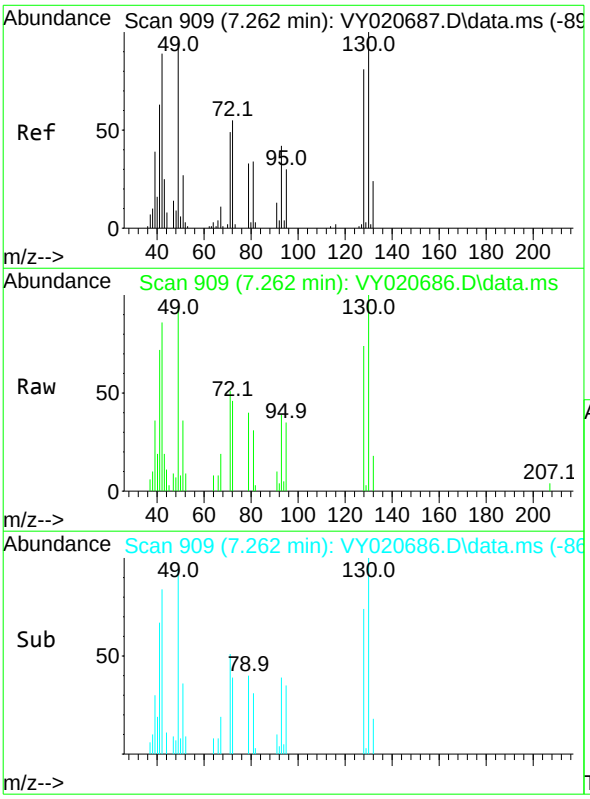
Supervised By :Mahesh Dadoda 12/26/2024

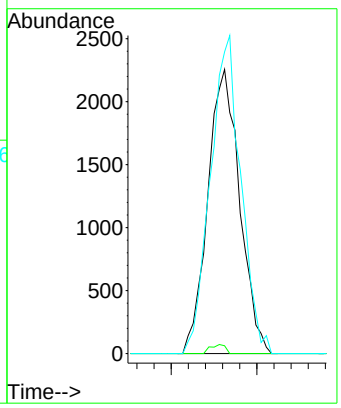


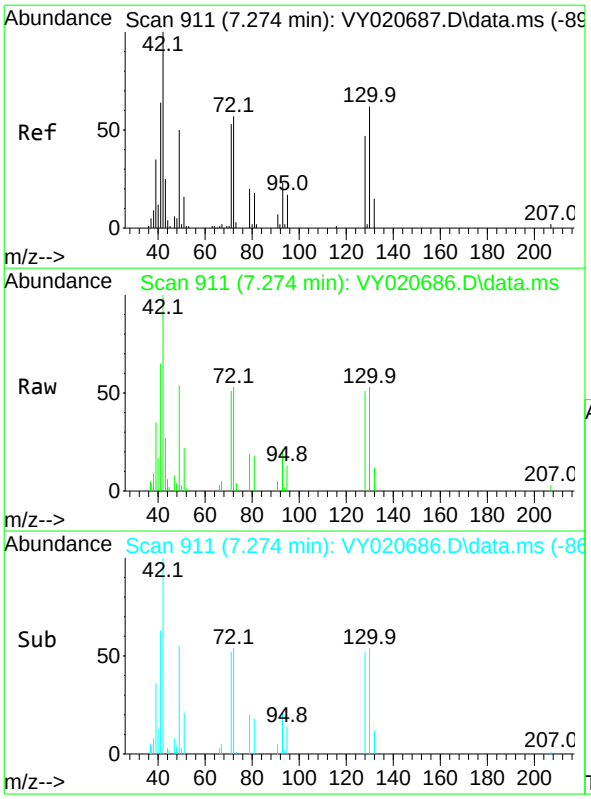


#28
Bromochloromethane
Concen: 18.304 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 49 Resp: 5831

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	107.2	58.3	87.5#

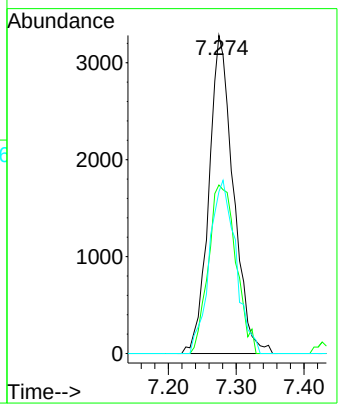




#29
Tetrahydrofuran
Concen: 95.307 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 42 Resp: 8223

Ion	Ratio	Lower	Upper
42	100		
72	59.7	34.0	51.0#
71	58.7	31.6	47.4#



Instrument :
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ClientSampleId :
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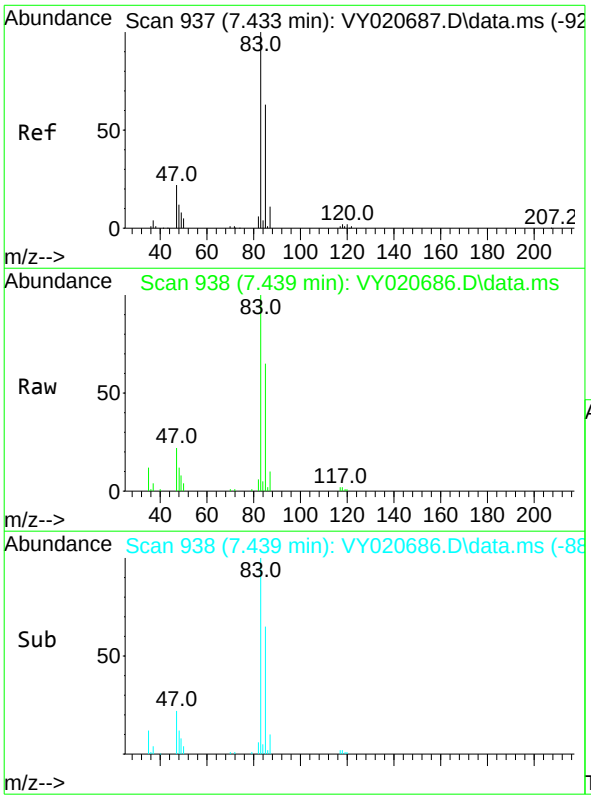
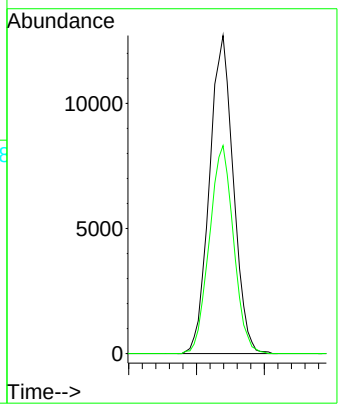
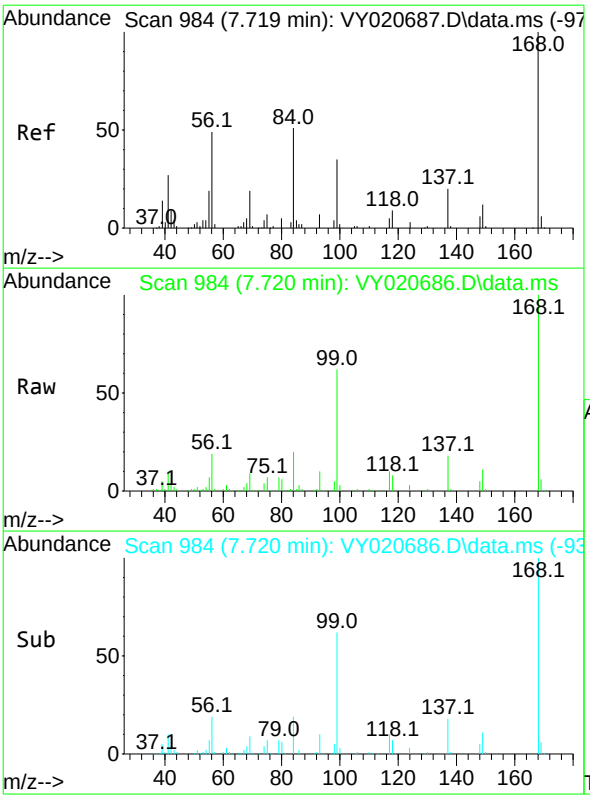


#30
Chloroform
Concen: 19.229 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 31119

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1

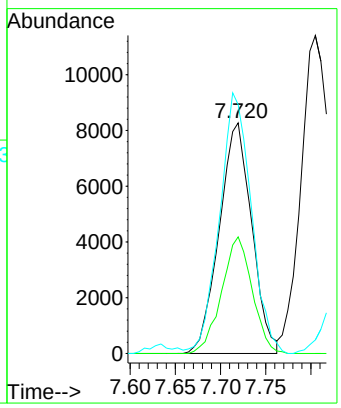




#31
Cyclohexane
Concen: 19.152 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 56 Resp: 20675

Ion	Ratio	Lower	Upper
56	100		
69	50.6	25.4	38.0#
84	105.5	68.3	102.5#



Instrument :
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ClientSampleId :
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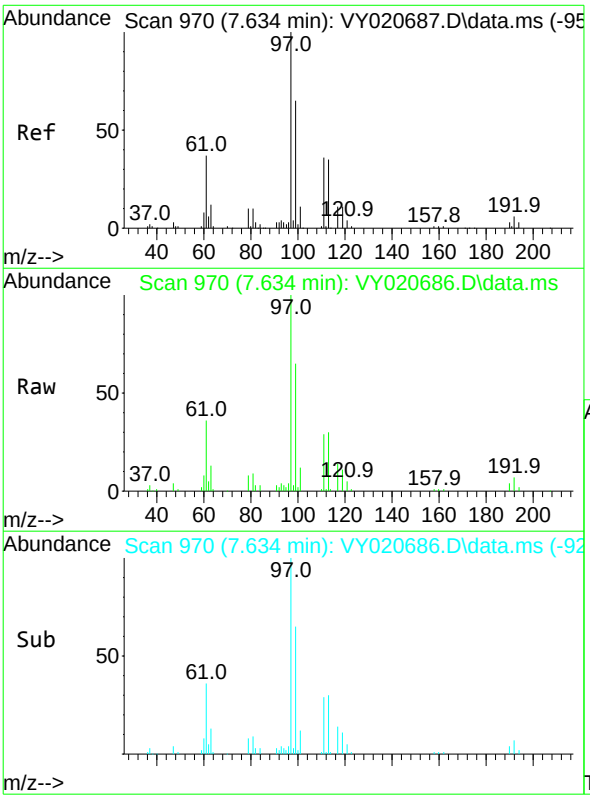
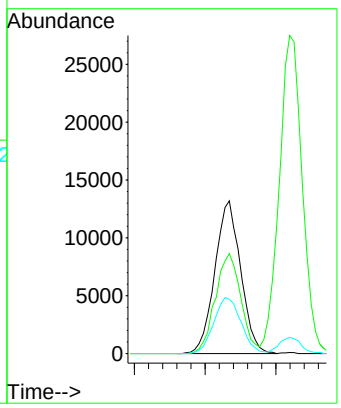
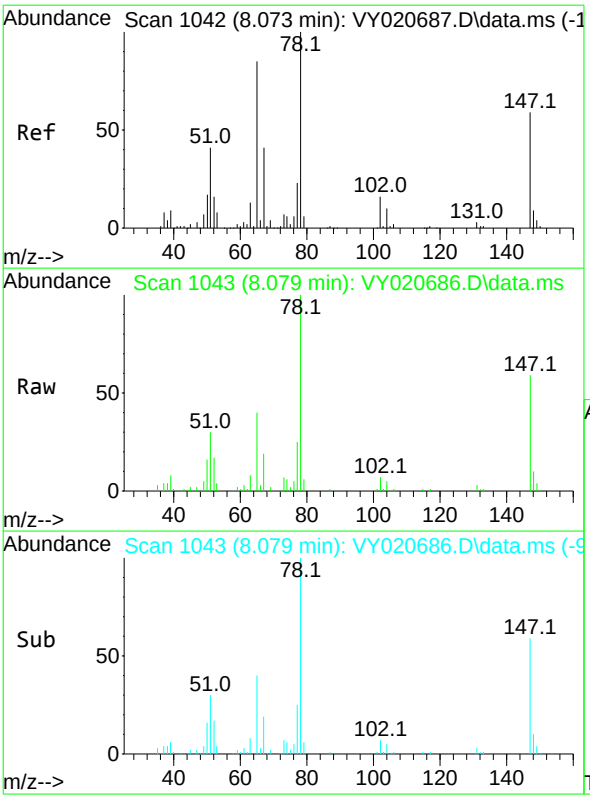


#32
1,1,1-Trichloroethane
Concen: 19.771 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 97 Resp: 33427

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	38.7	34.7	52.1

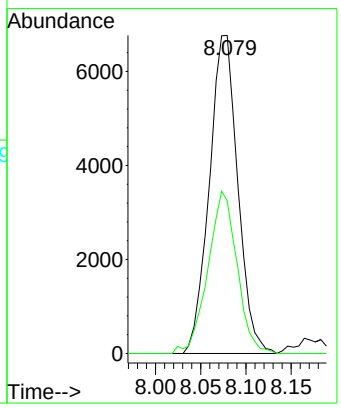




#33
1,2-Dichloroethane-d4
Concen: 16.223 ug/l
RT: 8.079 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 65 Resp: 14842

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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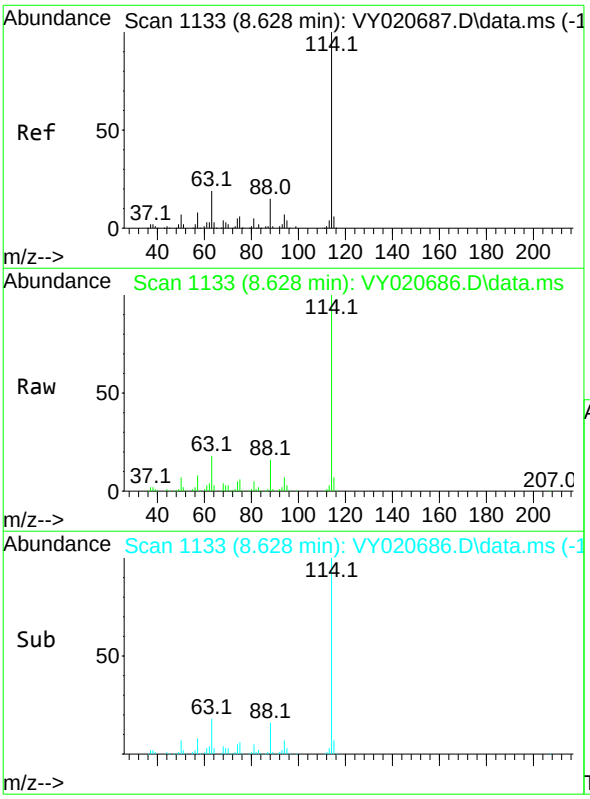
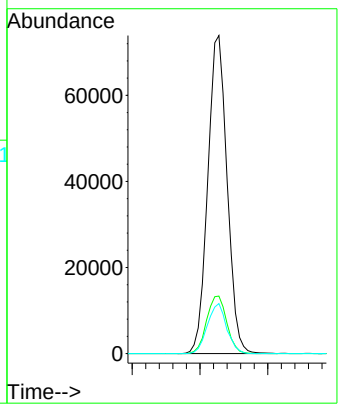
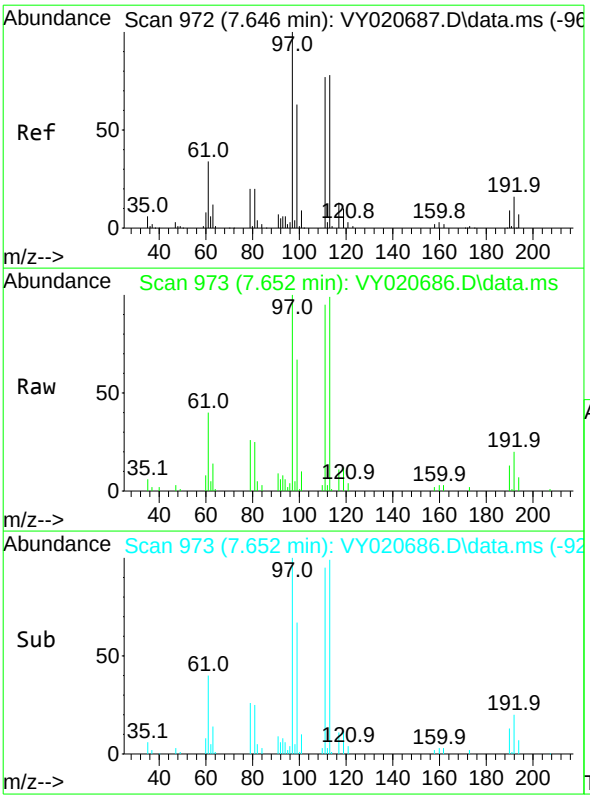


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:114 Resp: 146320

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	44.0
88	15.7	0.0	32.8

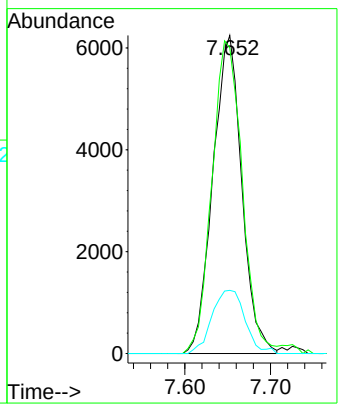




#35
Dibromofluoromethane
Concen: 16.999 ug/l
RT: 7.652 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:113 Resp: 14605

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	22.8	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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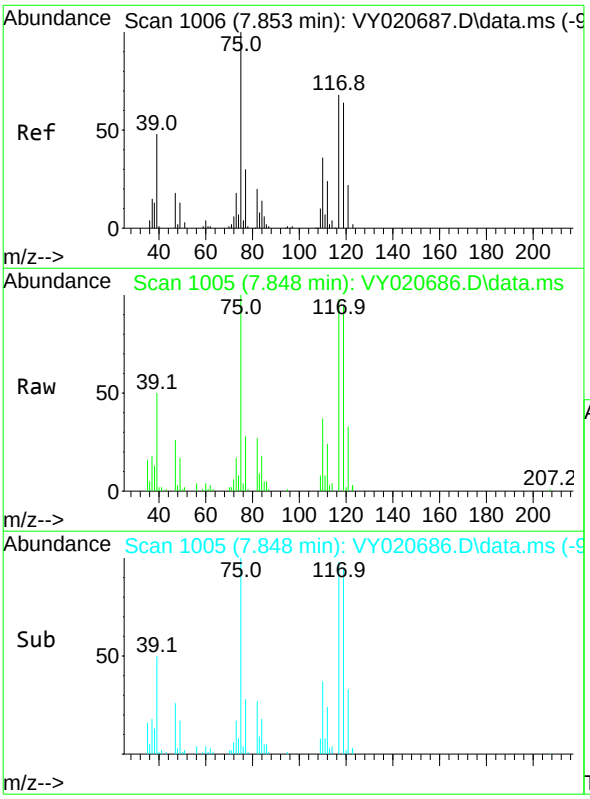
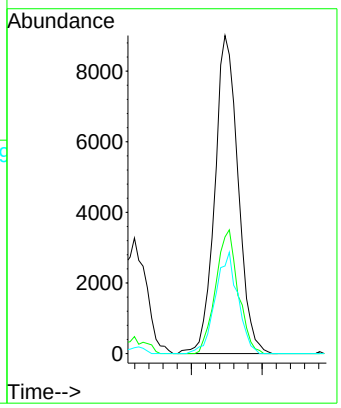
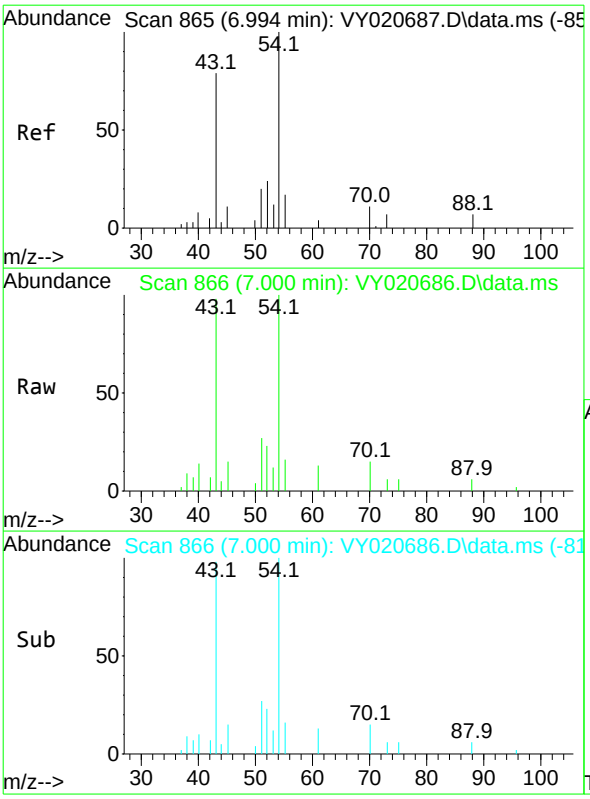


#36
1,1-Dichloropropene
Concen: 19.723 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 20597

Ion	Ratio	Lower	Upper
75	100		
110	37.6	16.8	50.4
77	30.8	25.0	37.6

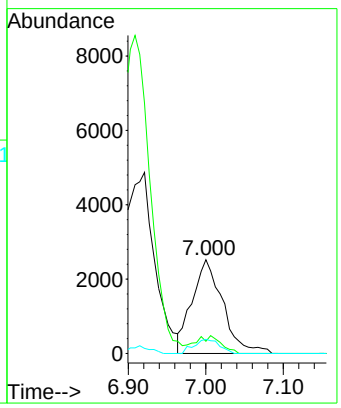




#37
Ethyl Acetate
Concen: 20.375 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 6954

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	12.4	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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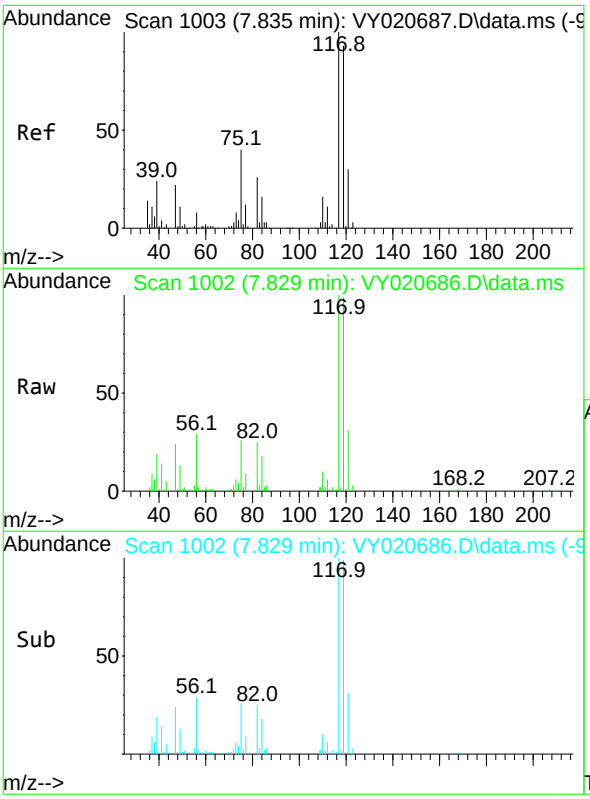
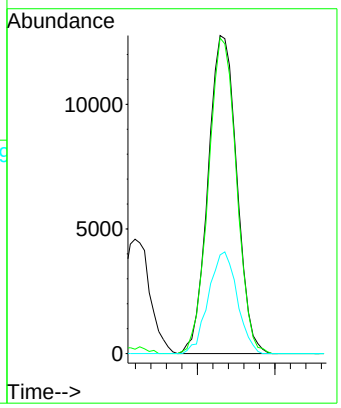
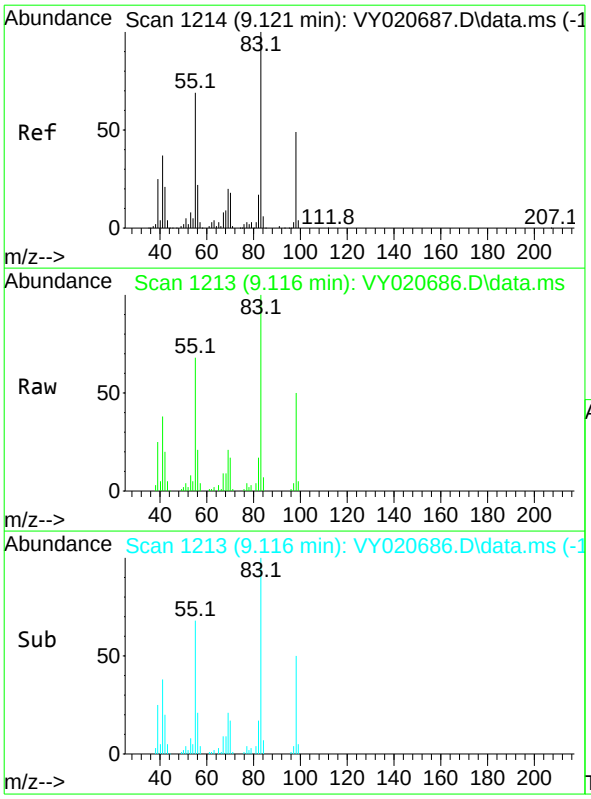


#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 32873

Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.3	117.5
121	31.0	25.1	37.7





#39
Methylcyclohexane
Concen: 18.999 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 25219

Ion	Ratio	Lower	Upper
83	100		
55	68.2	61.4	92.0
98	50.2	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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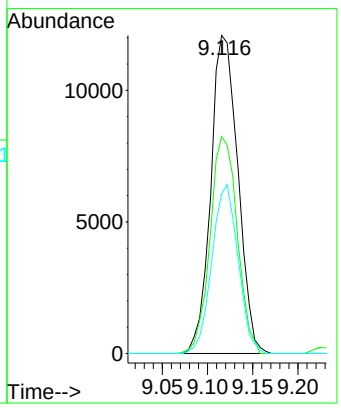
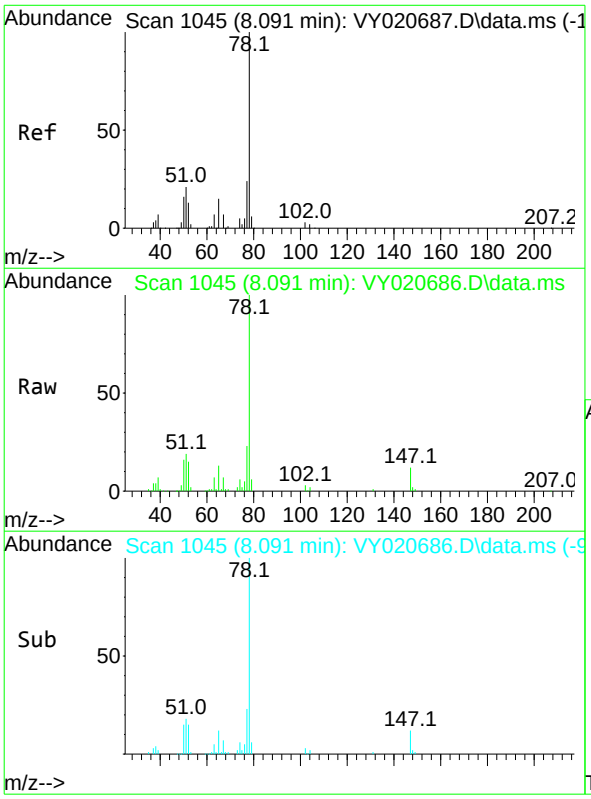
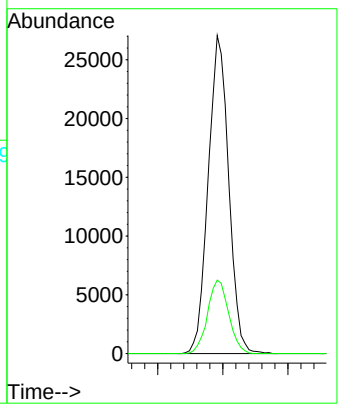


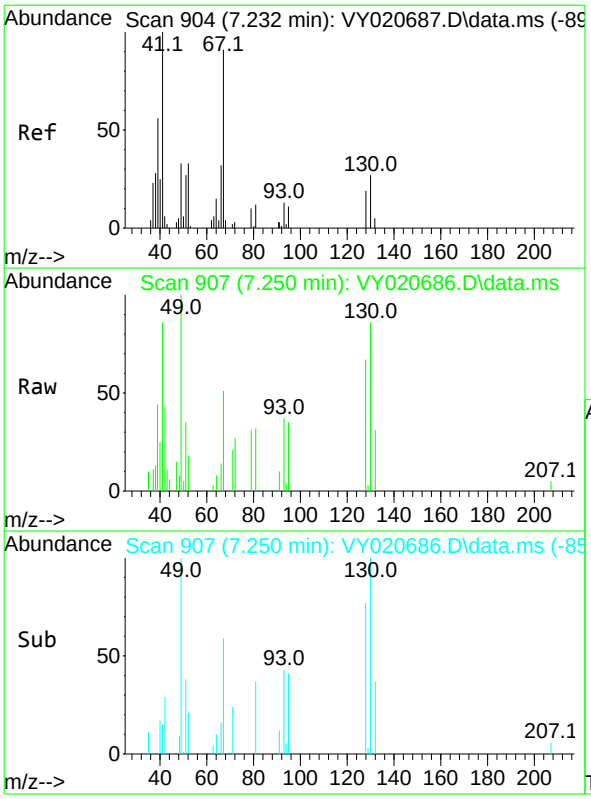


#40
Benzene
Concen: 19.607 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 78 Resp: 59071

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.1	30.1

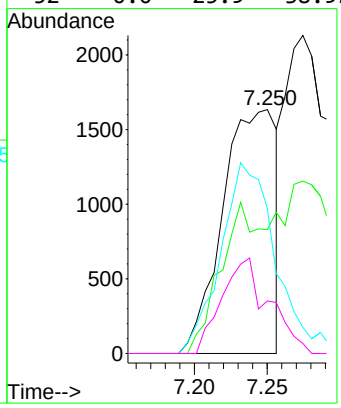




#41
Methacrylonitrile
Concen: 21.744 ug/l m
RT: 7.250 min Scan# 90
Delta R.T. 0.018 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 4200

Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.6	80.4
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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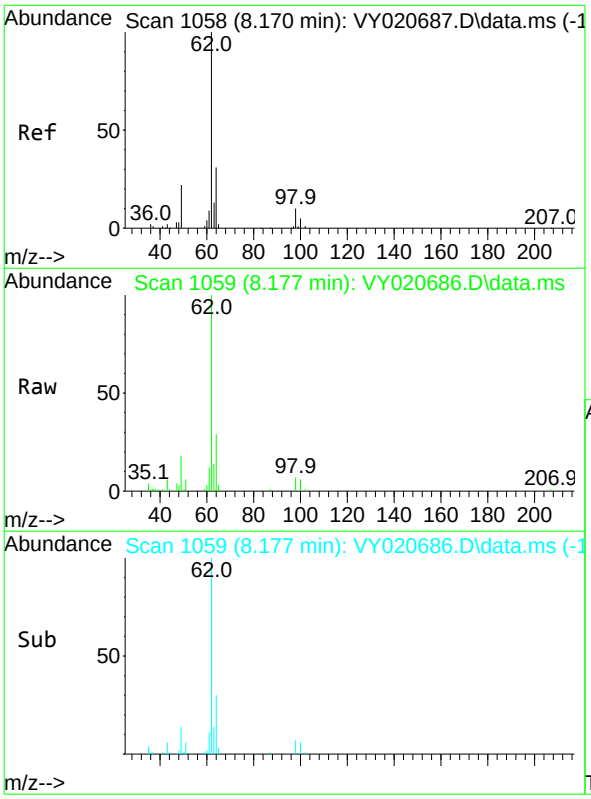
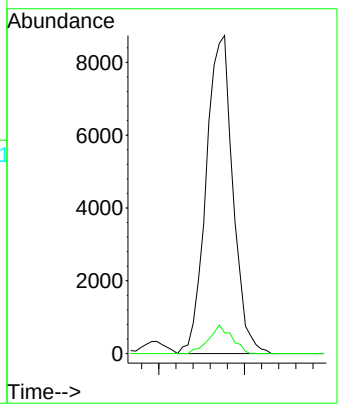
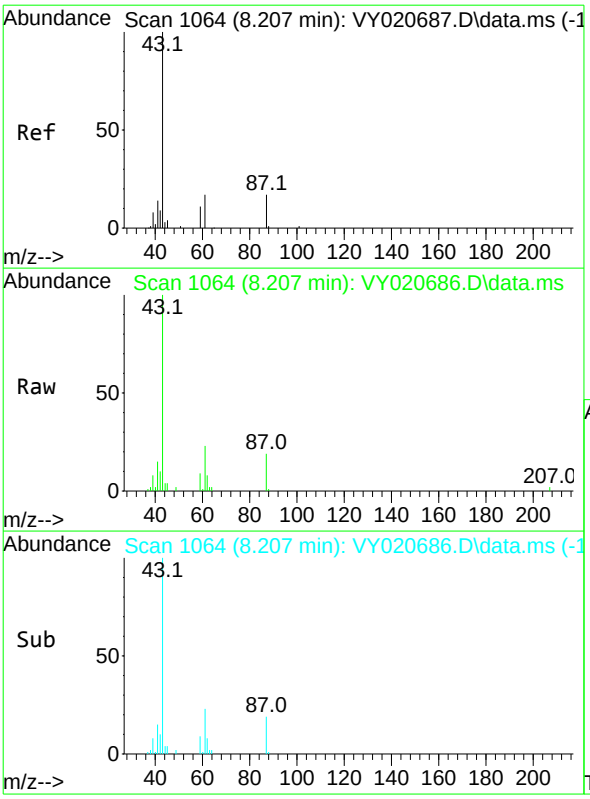


#42
1,2-Dichloroethane
Concen: 19.768 ug/l
RT: 8.177 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 18941

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.0

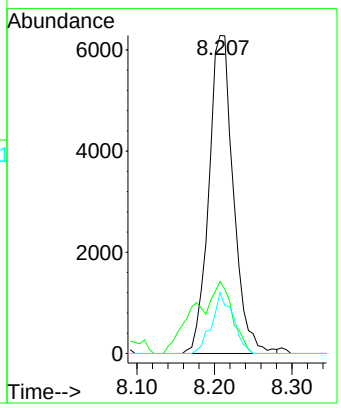




#43
Isopropyl Acetate
Concen: 19.509 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 13839

Ion	Ratio	Lower	Upper
43	100		
61	19.5	23.8	35.6#
87	16.6	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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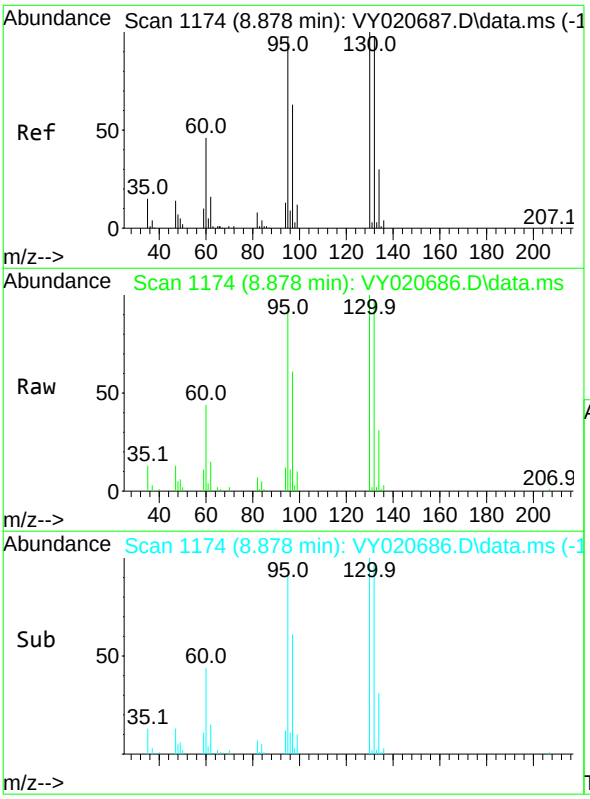
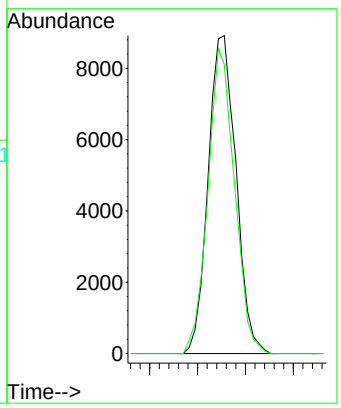
Supervised By :Mahesh Dadoda 12/26/2024

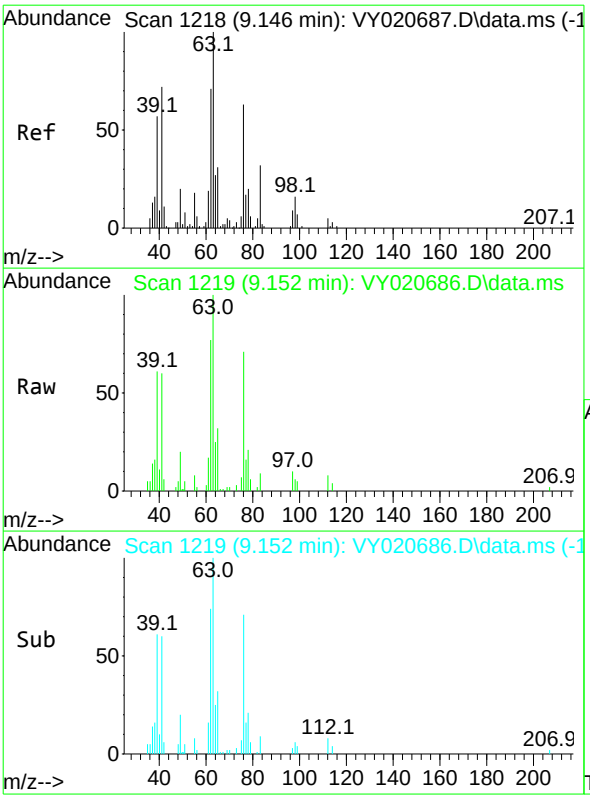


#44
Trichloroethene
Concen: 20.111 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:130 Resp: 17982

Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	203.2

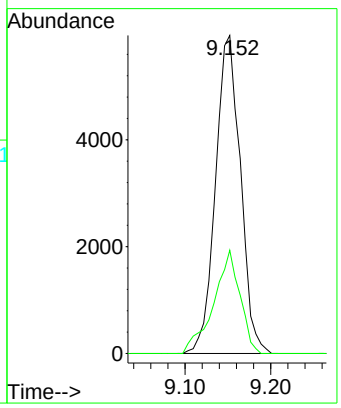




#45
1,2-Dichloropropane
Concen: 20.313 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 12024

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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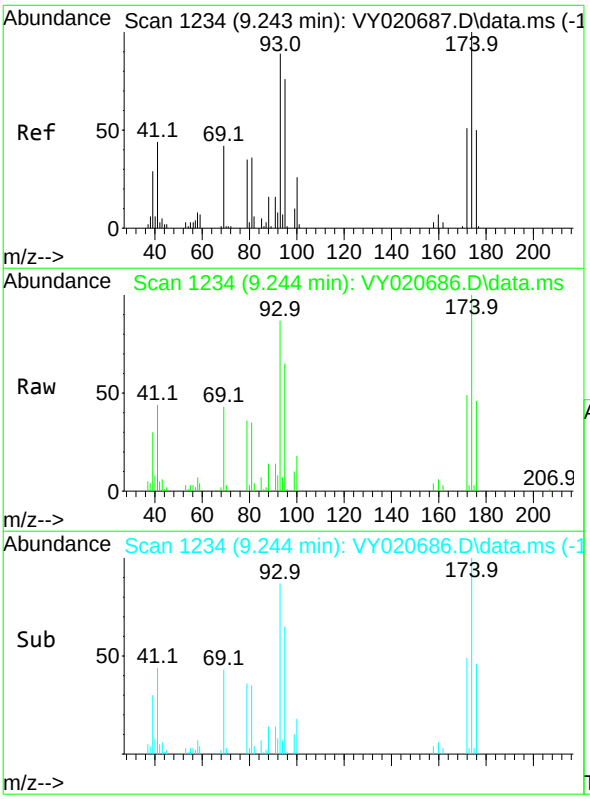
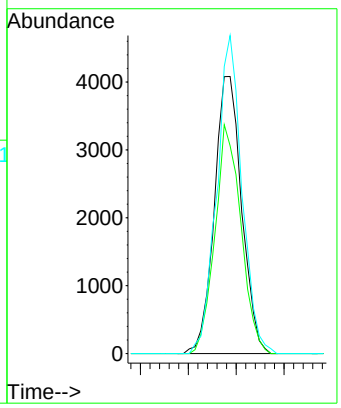
Supervised By :Mahesh Dadoda 12/26/2024

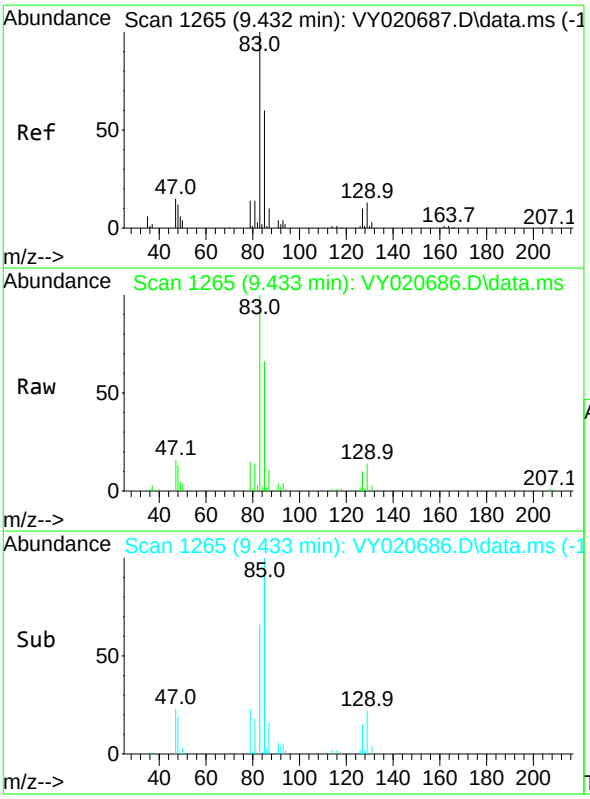


#46
Dibromomethane
Concen: 19.751 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 93 Resp: 8071

Ion	Ratio	Lower	Upper
93	100		
95	78.6	66.7	100.1
174	106.2	77.8	116.6

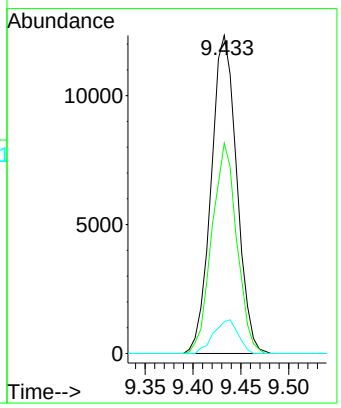




#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 22921

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.1	78.1
127	10.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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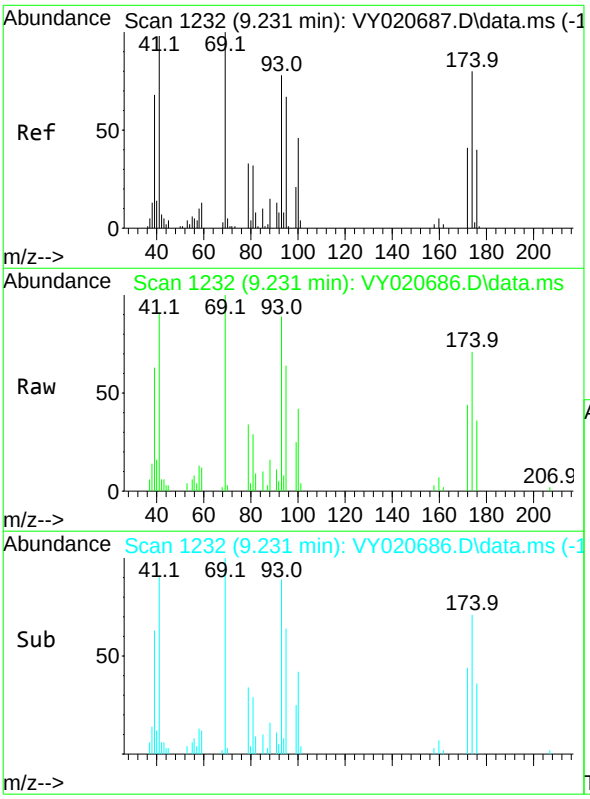
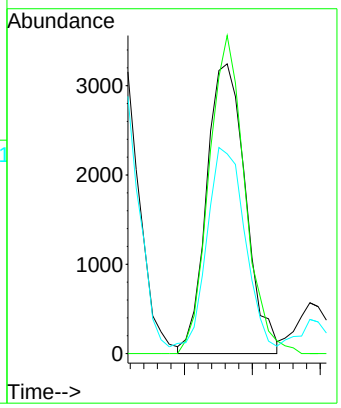
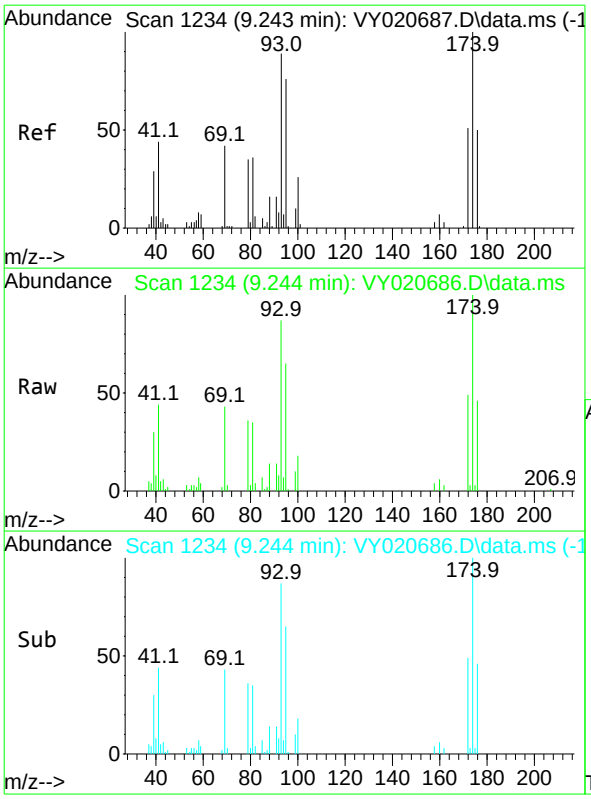


#48
Methyl methacrylate
Concen: 19.258 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 6476

Ion	Ratio	Lower	Upper
41	100		
69	101.3	67.2	100.8#
39	67.0	42.2	63.4#

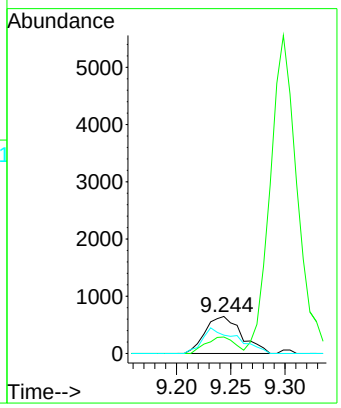




#49
1,4-Dioxane
Concen: 357.918 ug/l
RT: 9.244 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 88 Resp: 1500

Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.6	41.4
58	66.7	61.7	92.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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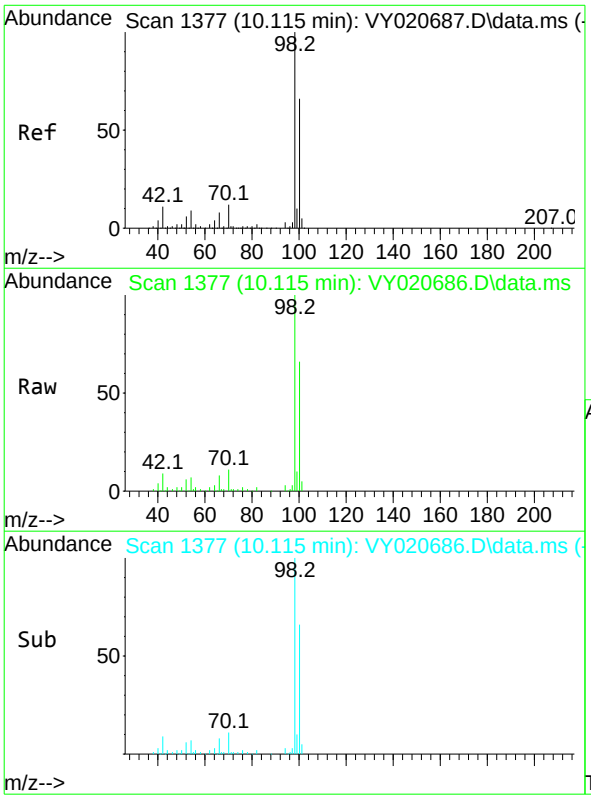
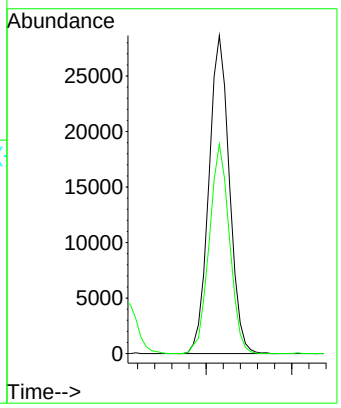
Supervised By :Mahesh Dadoda 12/26/2024

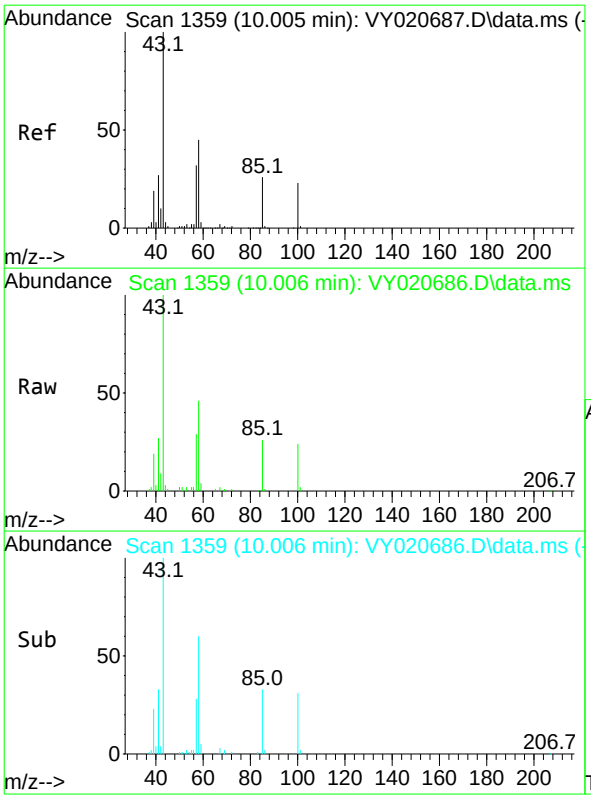


#50
Toluene-d8
Concen: 15.278 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 98 Resp: 47674

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 95.570 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 33865

Ion	Ratio	Lower	Upper
43	100		
58	43.6	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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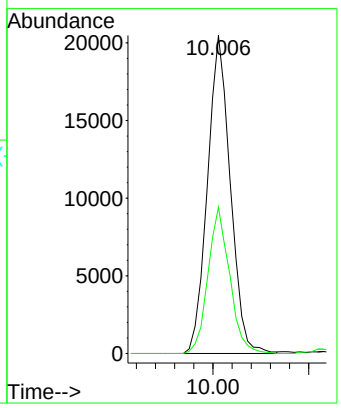
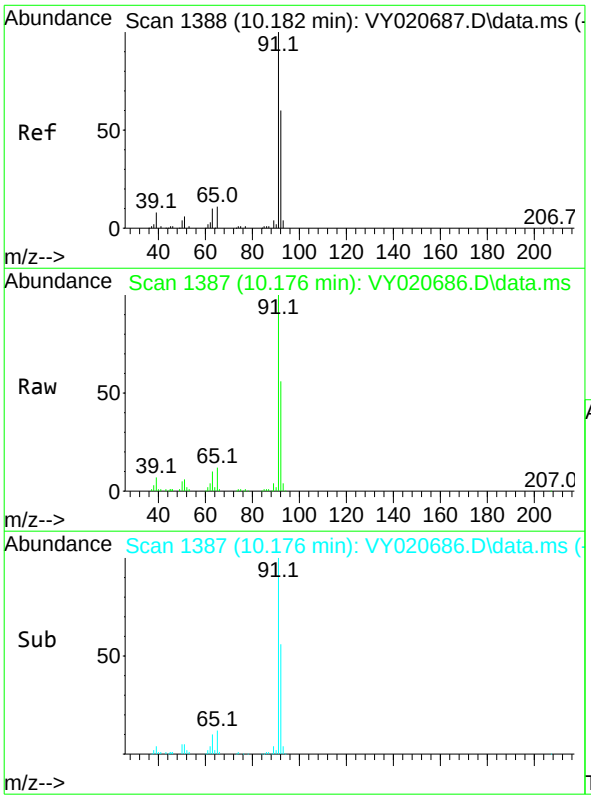
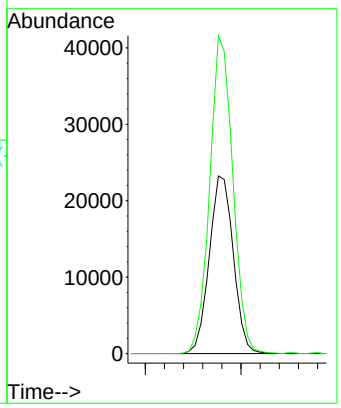


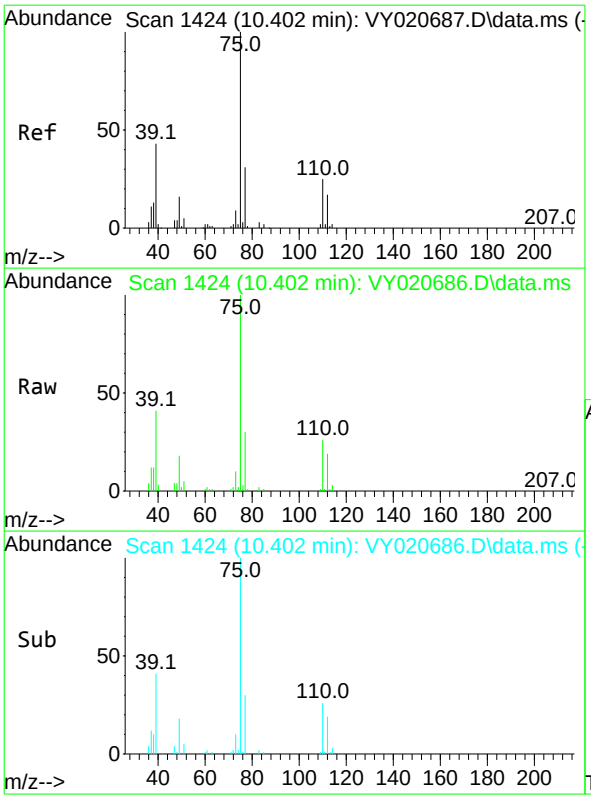


#52
Toluene
Concen: 19.777 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 92 Resp: 40575

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

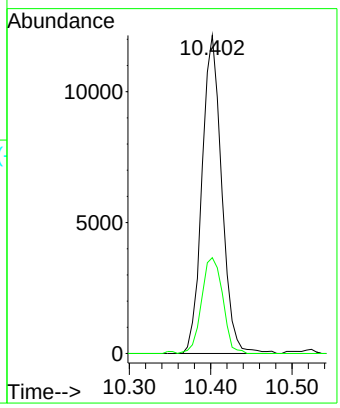




#53
t-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 20438

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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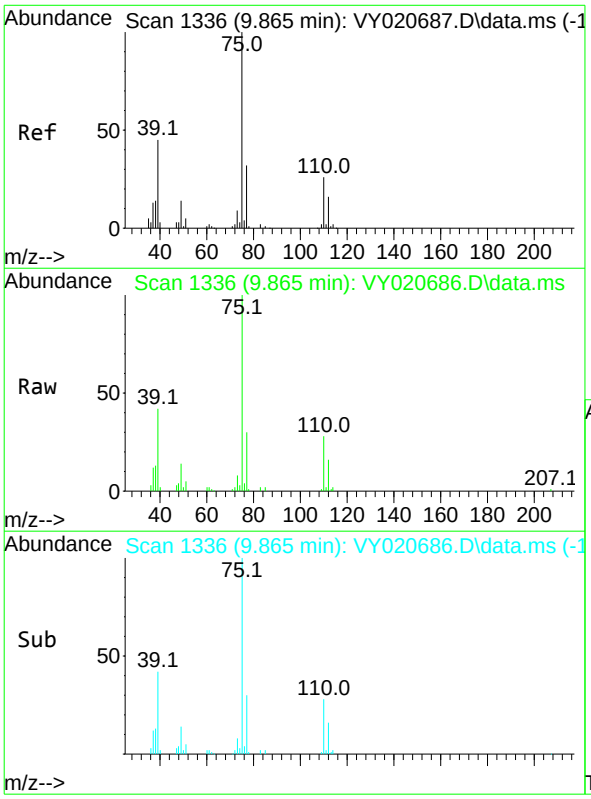
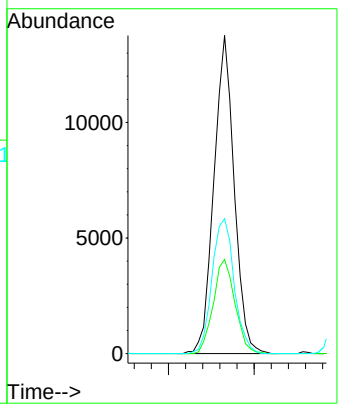
Supervised By :Mahesh Dadoda 12/26/2024

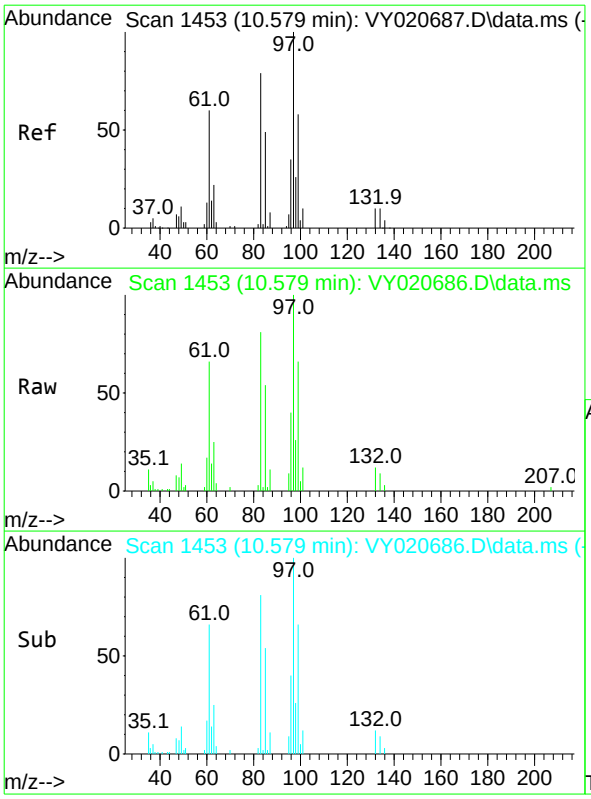


#54
cis-1,3-Dichloropropene
Concen: 19.986 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 22589

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.6	36.8
39	42.4	36.4	54.6

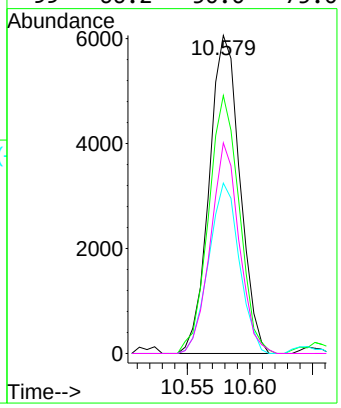




#55
1,1,2-Trichloroethane
Concen: 19.493 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 97 Resp: 10314

Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.4	105.6
85	53.6	47.2	70.8
99	66.2	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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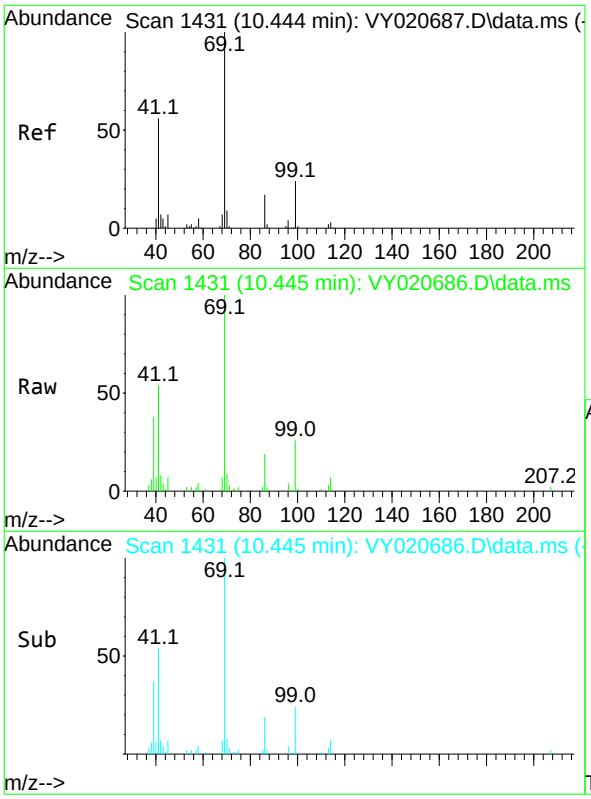
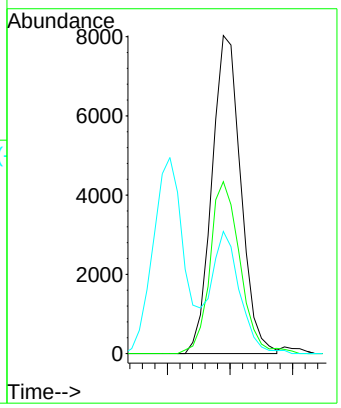
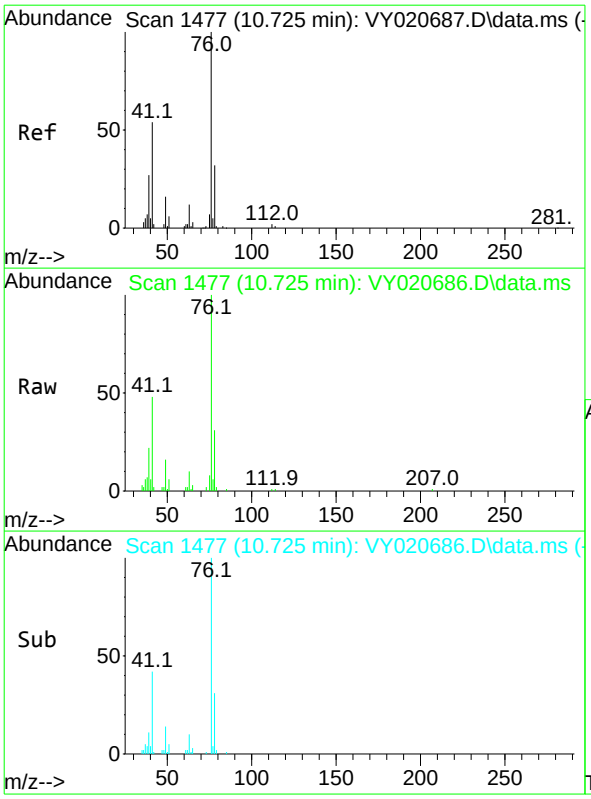


#56
Ethyl methacrylate
Concen: 19.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 69 Resp: 12869

Ion	Ratio	Lower	Upper
69	100		
41	56.2	54.0	81.0
39	36.9	27.9	41.9

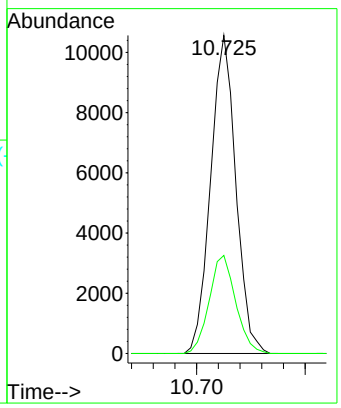




#57
1,3-Dichloropropane
Concen: 19.692 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 76 Resp: 17032

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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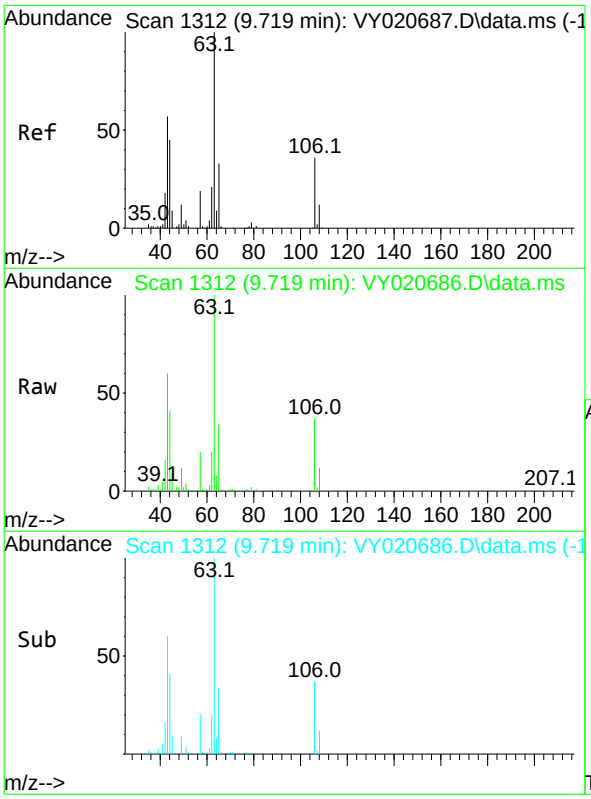
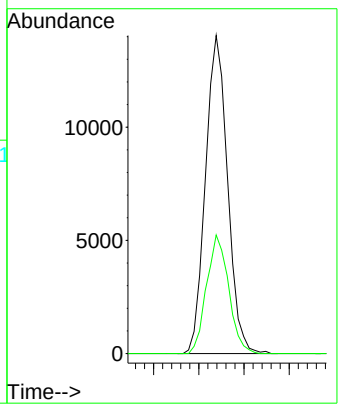
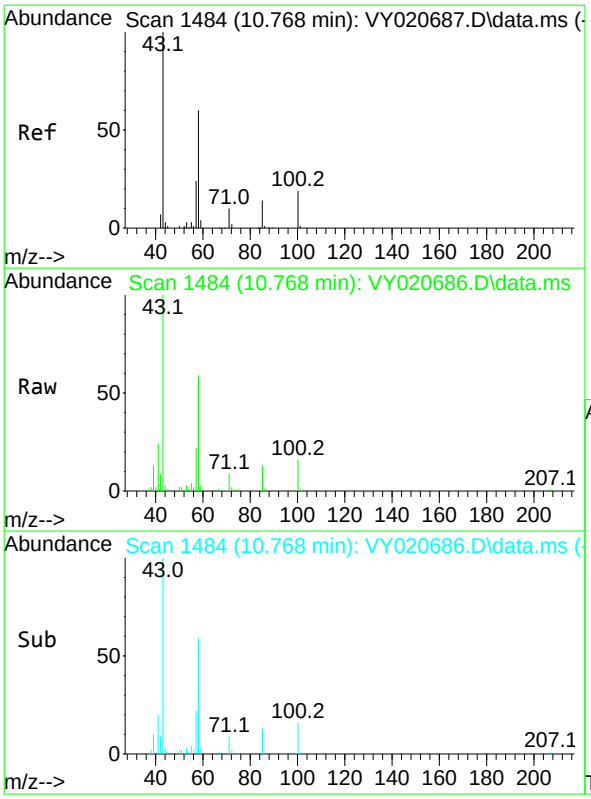


#58
2-Chloroethyl Vinyl ether
Concen: 94.571 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 23853

Ion	Ratio	Lower	Upper
63	100		
106	37.3	21.5	32.3#





#59
2-Hexanone
Concen: 95.158 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 21478

Ion	Ratio	Lower	Upper
43	100		
58	58.5	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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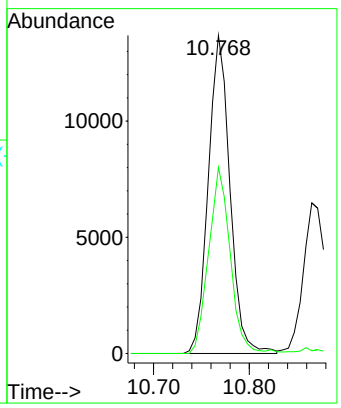
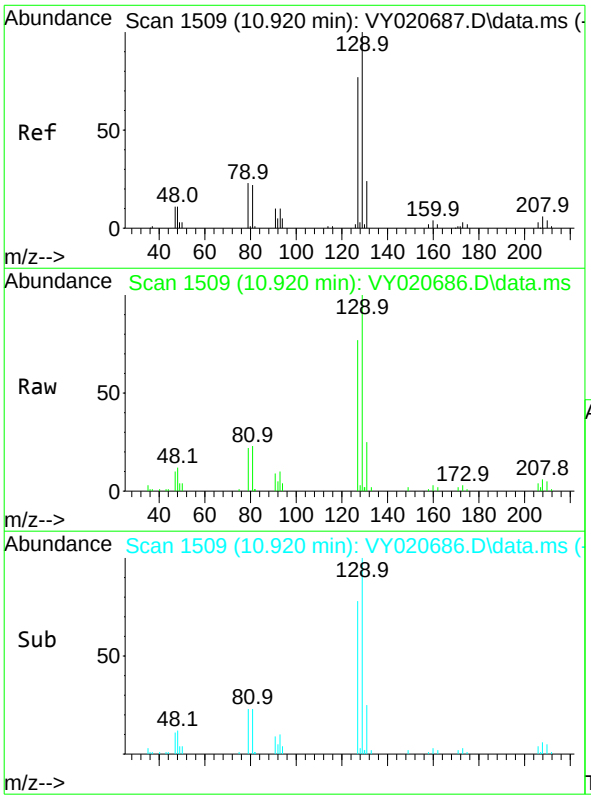
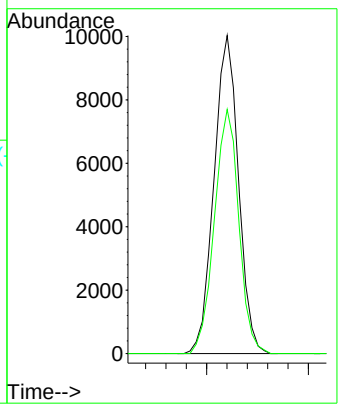


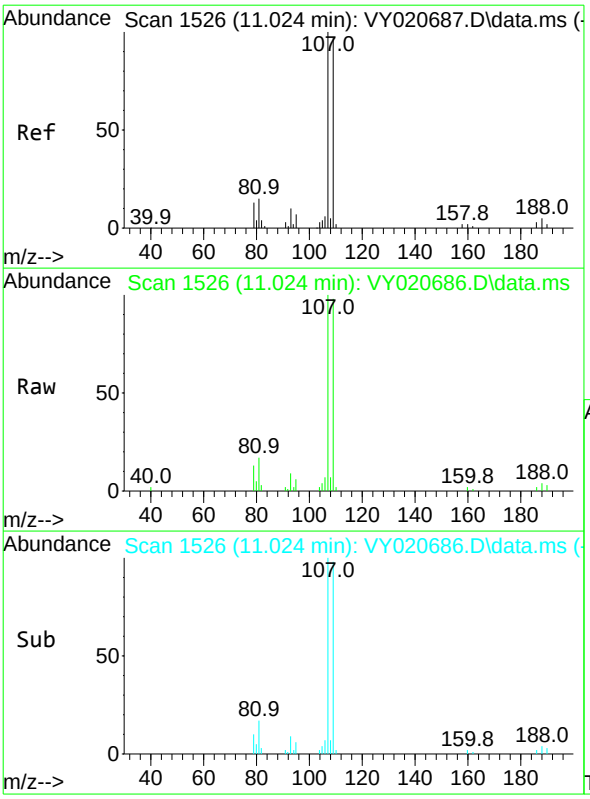


#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:129 Resp: 16794

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.3





#61
1,2-Dibromoethane
Concen: 19.777 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:107 Resp: 9810

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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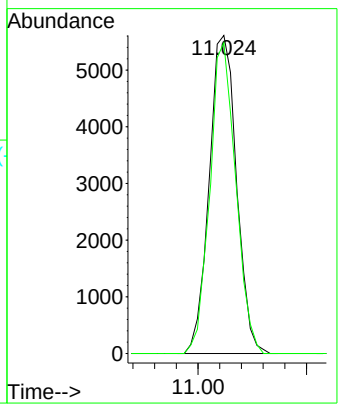
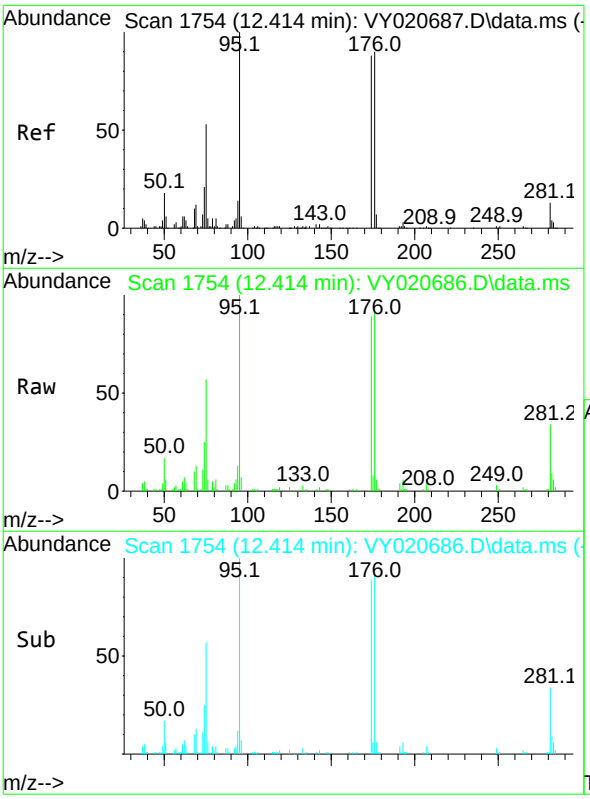
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

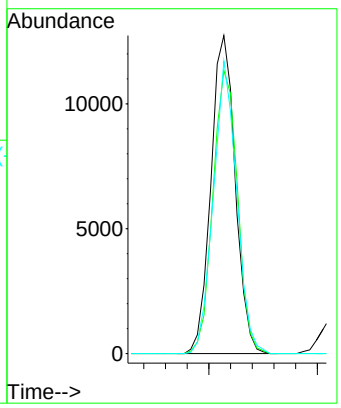


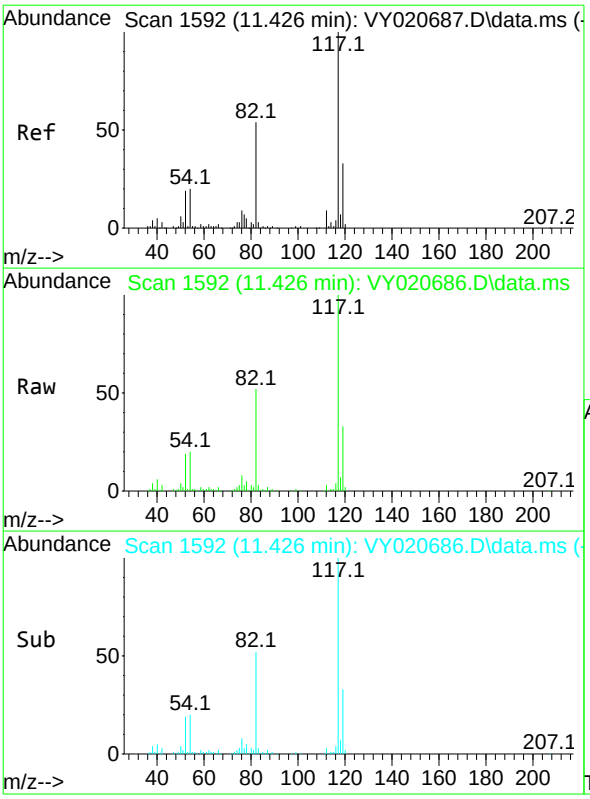


#62
4-Bromofluorobenzene
Concen: 17.457 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 95 Resp: 19827

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	161.8
176	88.0	0.0	156.6

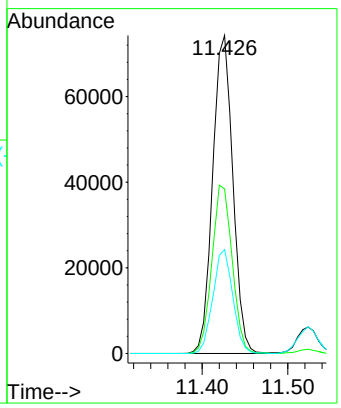




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 121625

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.6
119	32.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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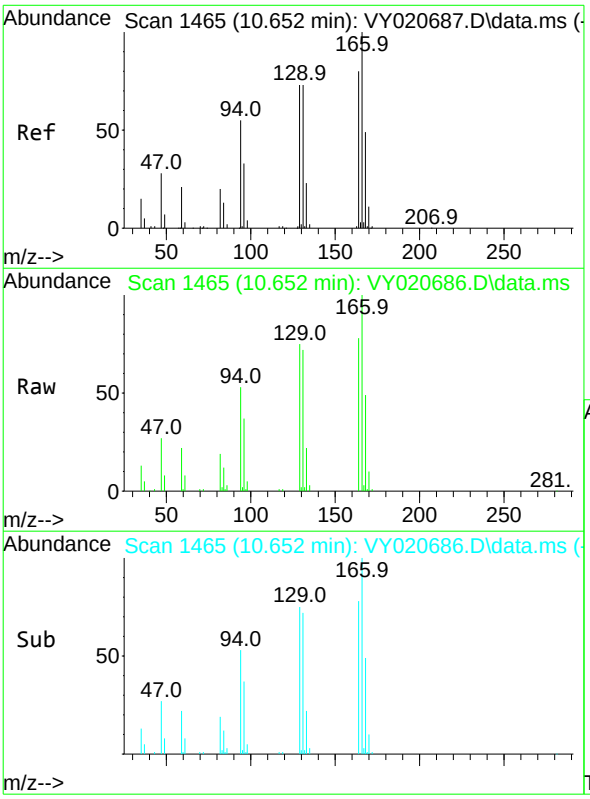
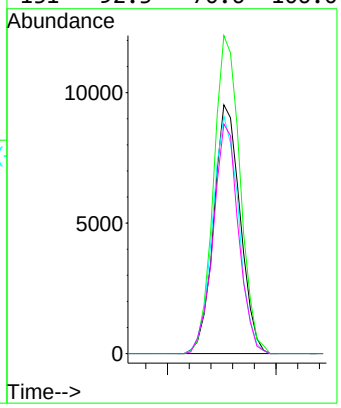
Supervised By :Mahesh Dadoda 12/26/2024

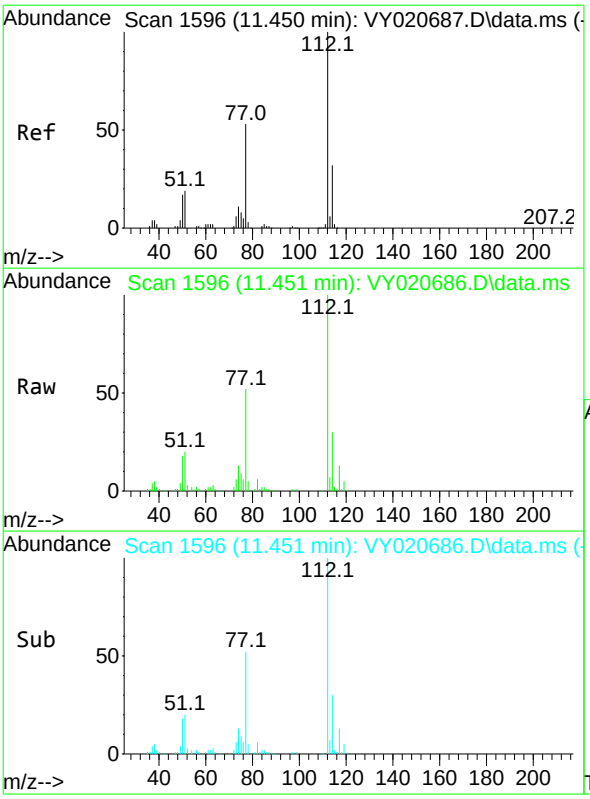


#64
Tetrachloroethene
Concen: 19.955 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:164 Resp: 16119

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	146.9
129	95.4	73.4	110.0
131	92.3	70.6	106.0

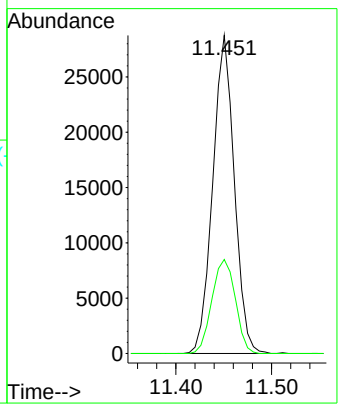




#65
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:112 Resp: 44944

Ion	Ratio	Lower	Upper
112	100		
114	29.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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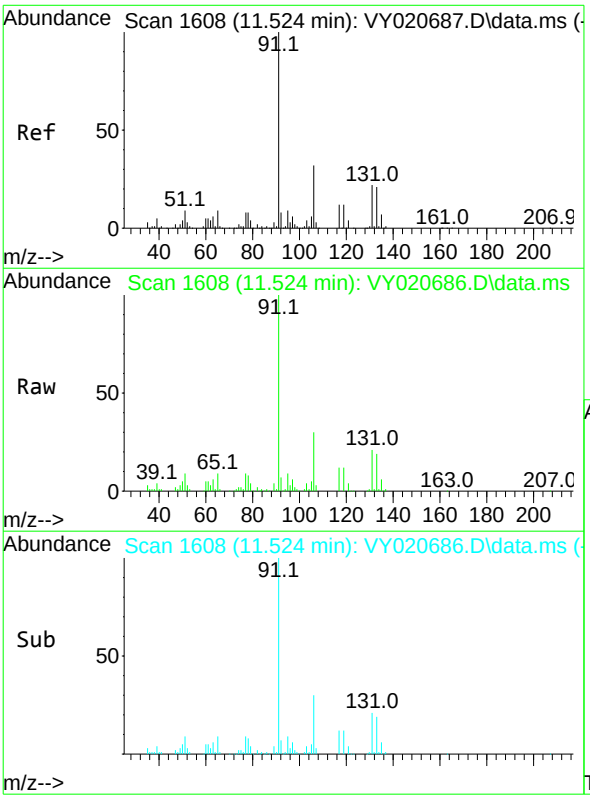
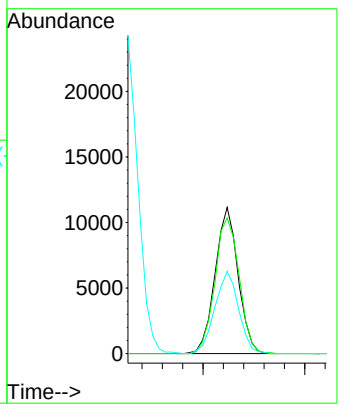
Supervised By :Mahesh Dadoda 12/26/2024

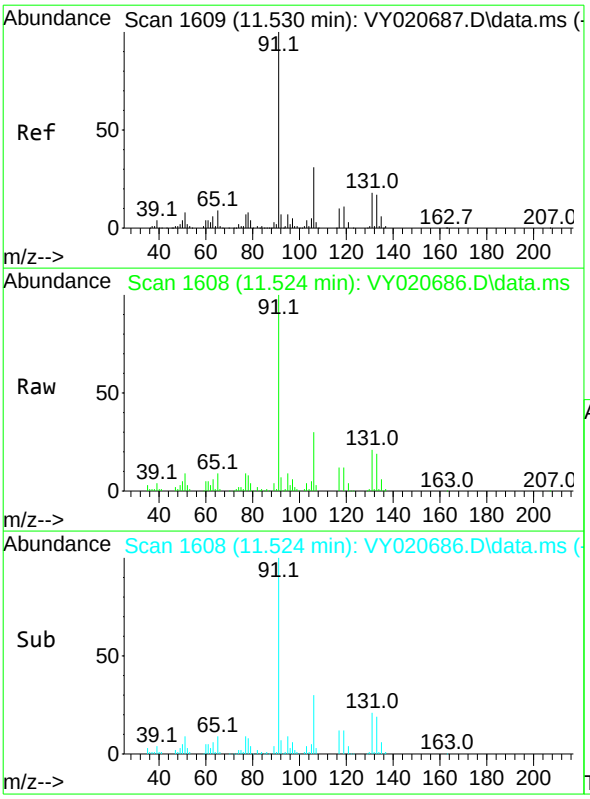


#66
1,1,1,2-Tetrachloroethane
Concen: 19.757 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:131 Resp: 17535

Ion	Ratio	Lower	Upper
131	100		
133	97.5	46.8	140.3
119	58.0	31.8	95.3

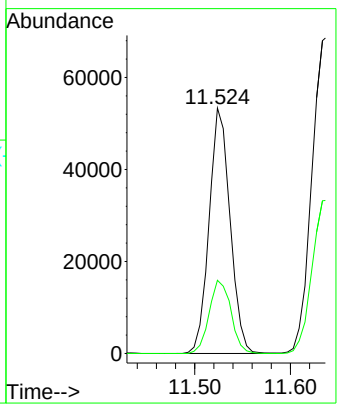




#67
Ethyl Benzene
Concen: 19.902 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 81152

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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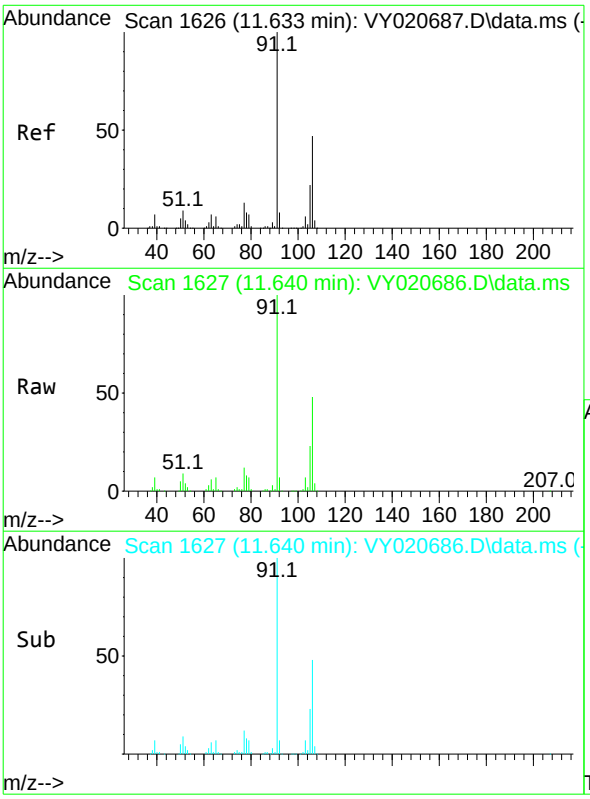
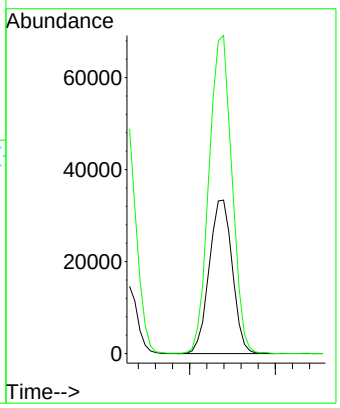
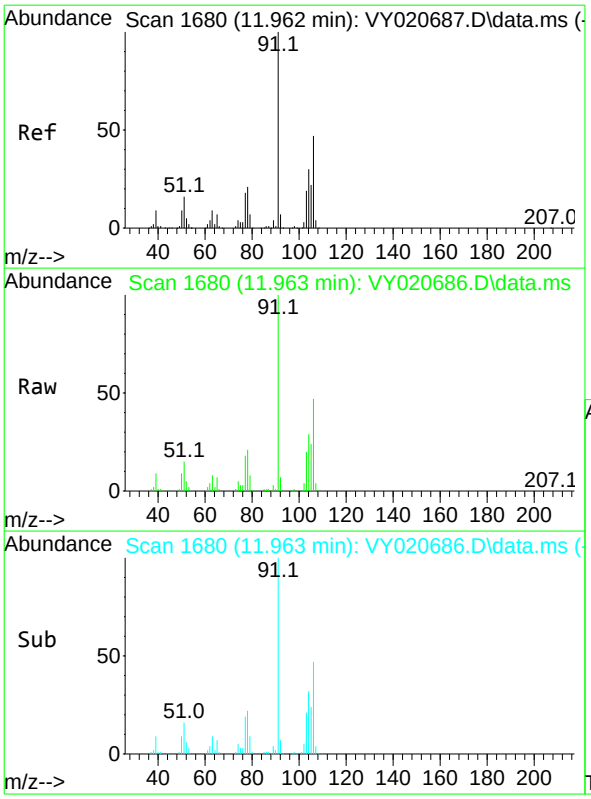


#68
m/p-Xylenes
Concen: 40.273 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:106 Resp: 62622

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.0	247.4

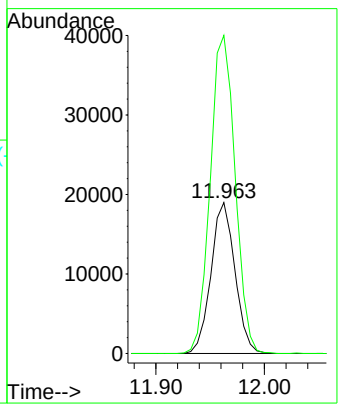




#69
o-Xylene
Concen: 19.954 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:106 Resp: 29146

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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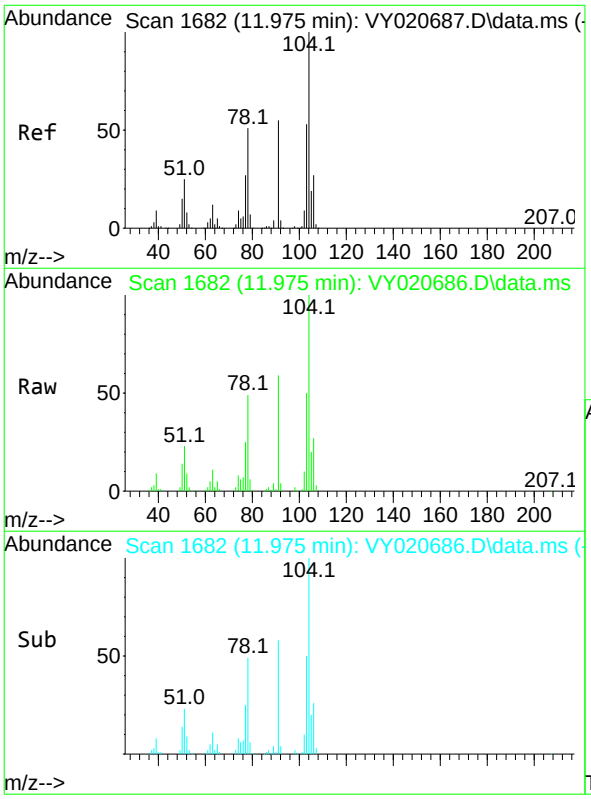
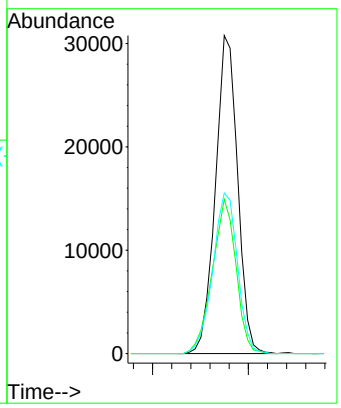
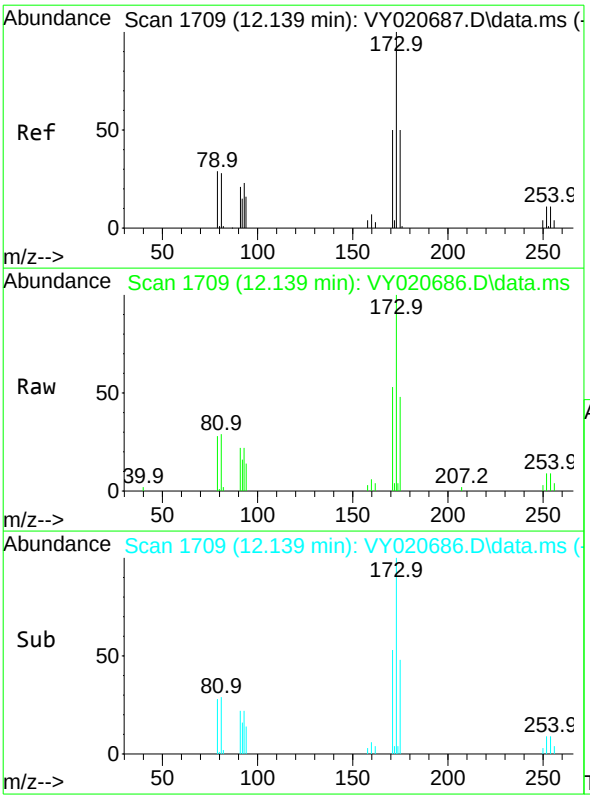


#70
Styrene
Concen: 20.194 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:104 Resp: 49613

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	56.1	43.7	65.5

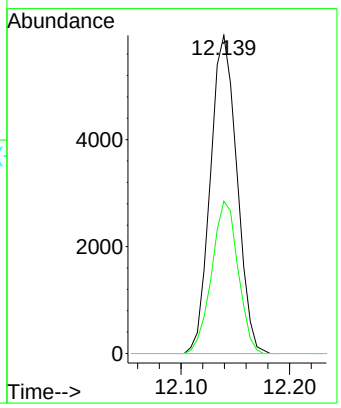




#71
Bromoform
Concen: 19.860 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:173 Resp: 10096

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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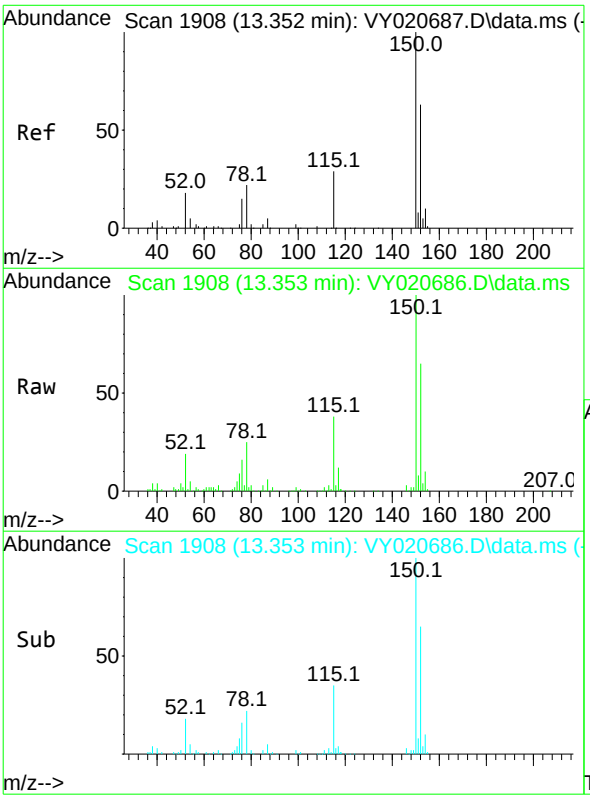
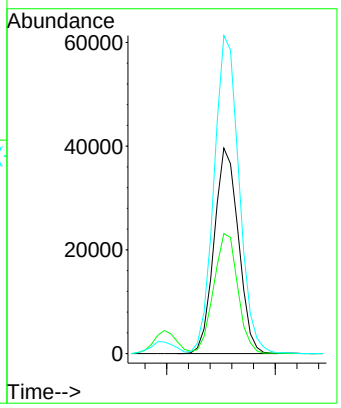
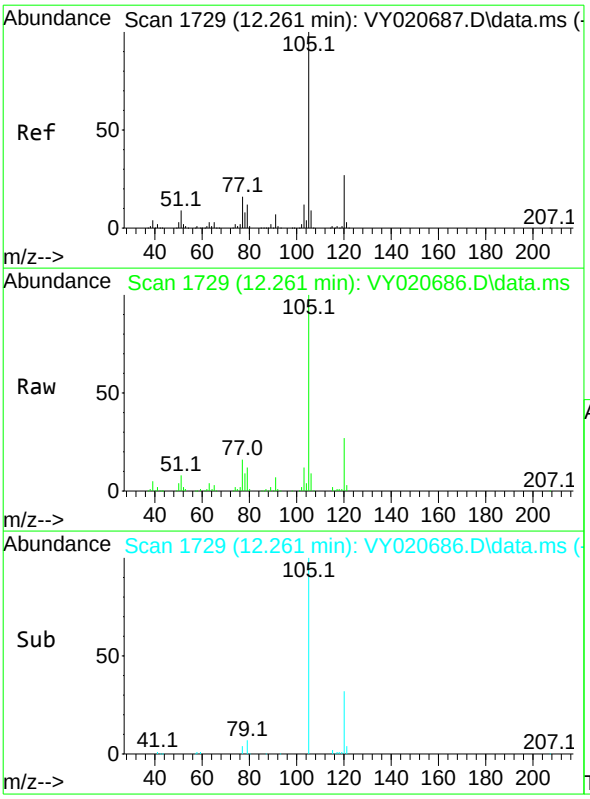


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:152 Resp: 61580

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.2	90.6
150	160.1	0.0	355.4

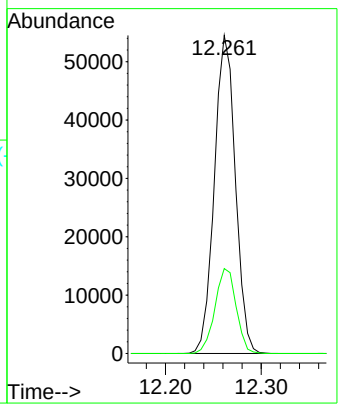




#73
Isopropylbenzene
Concen: 19.832 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 83068

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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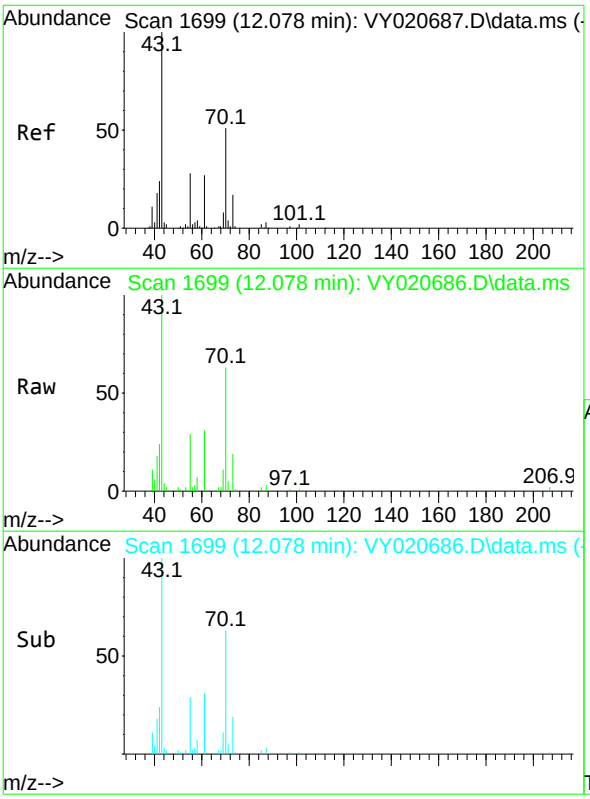
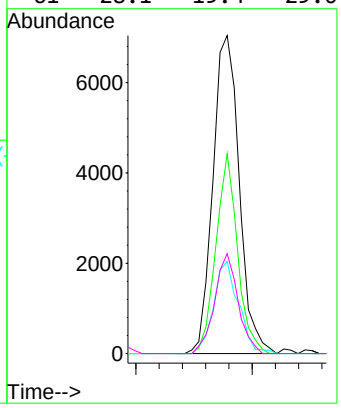
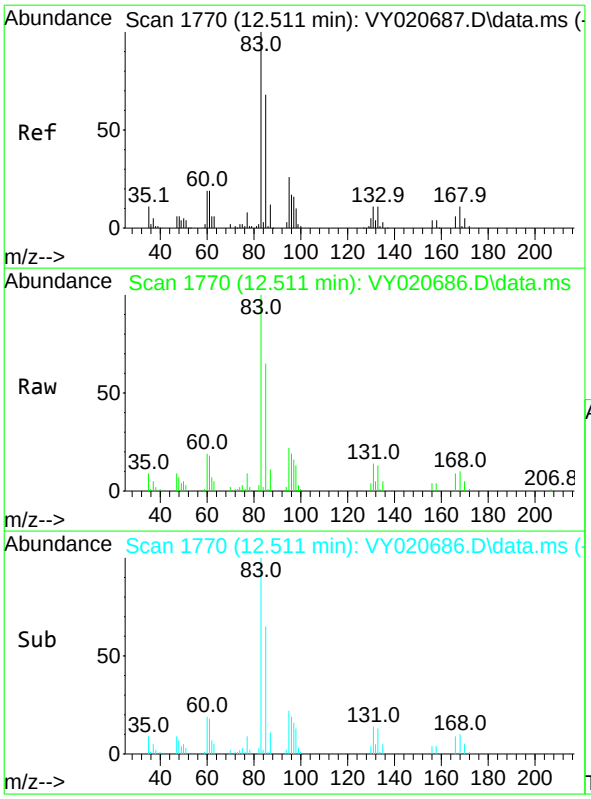


#74
N-amyl acetate
Concen: 18.802 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 11066

Ion	Ratio	Lower	Upper
43	100		
70	51.7	34.2	51.2#
55	27.6	19.6	29.4
61	28.1	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 19.634 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 10583

Ion	Ratio	Lower	Upper
83	100		
131	13.8	5.2	15.6
85	64.3	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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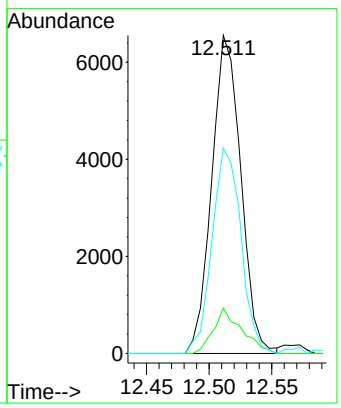
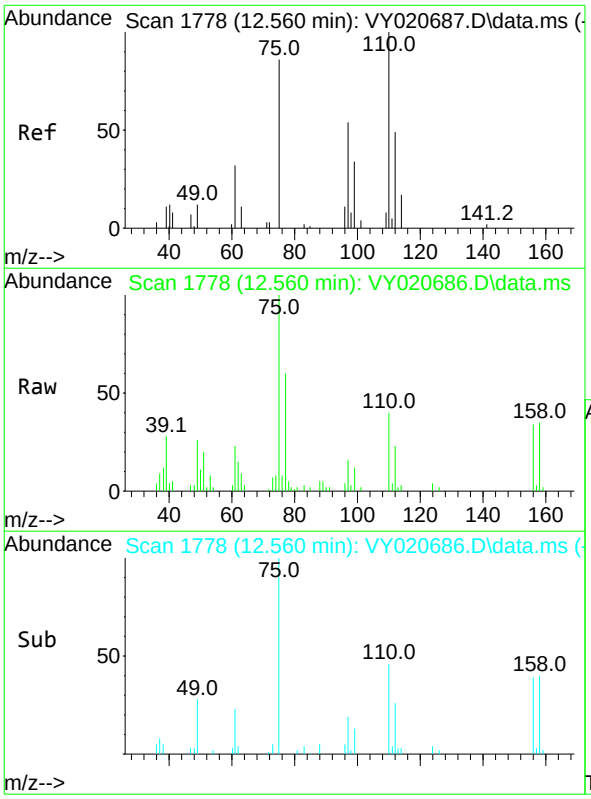
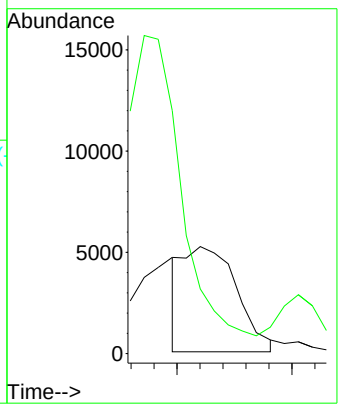


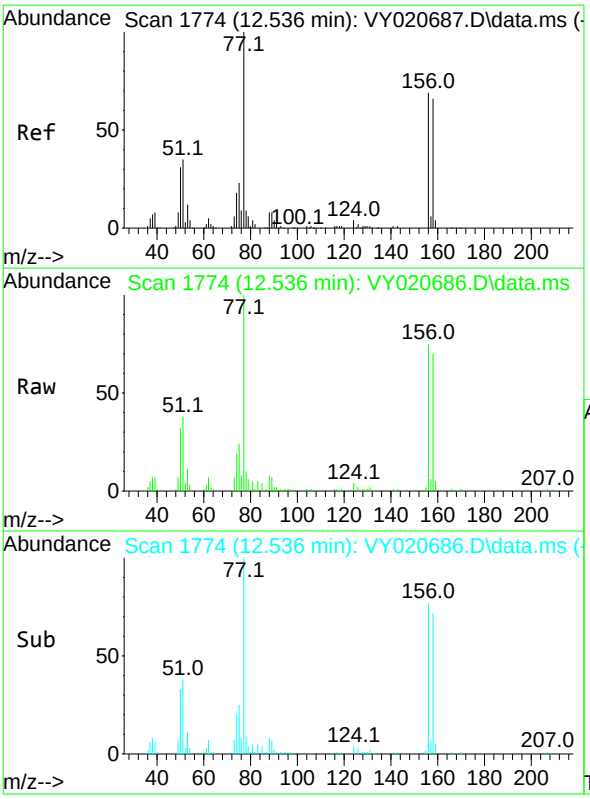


#76
1,2,3-Trichloropropane
Concen: 20.817 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 8402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

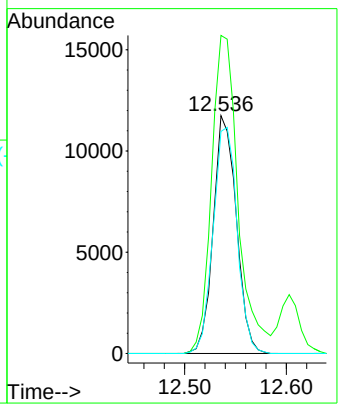




#77
Bromobenzene
Concen: 19.425 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:156 Resp: 18528

Ion	Ratio	Lower	Upper
156	100		
77	154.0	94.2	282.4
158	98.9	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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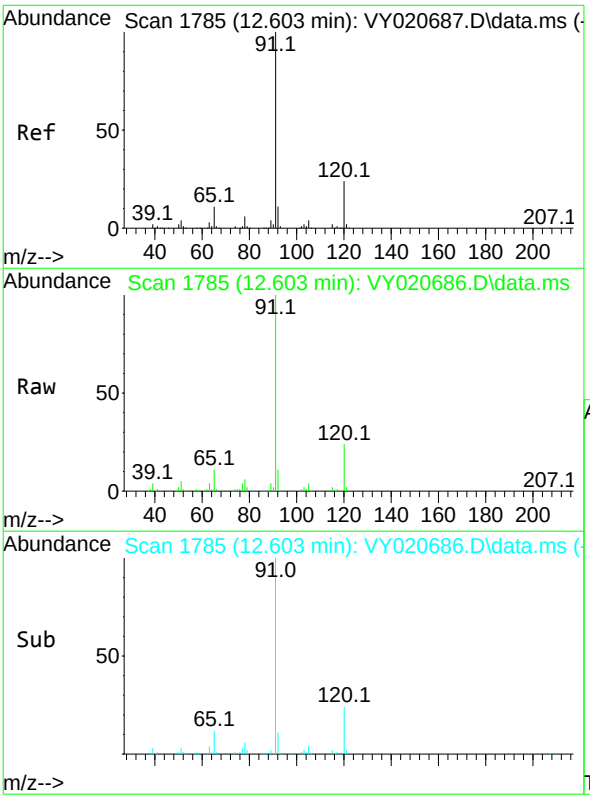
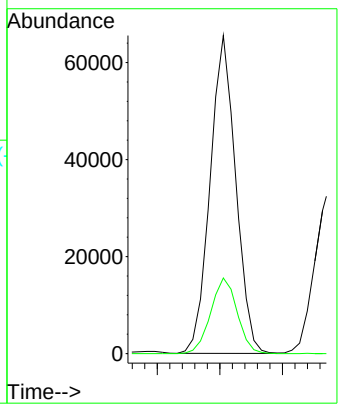
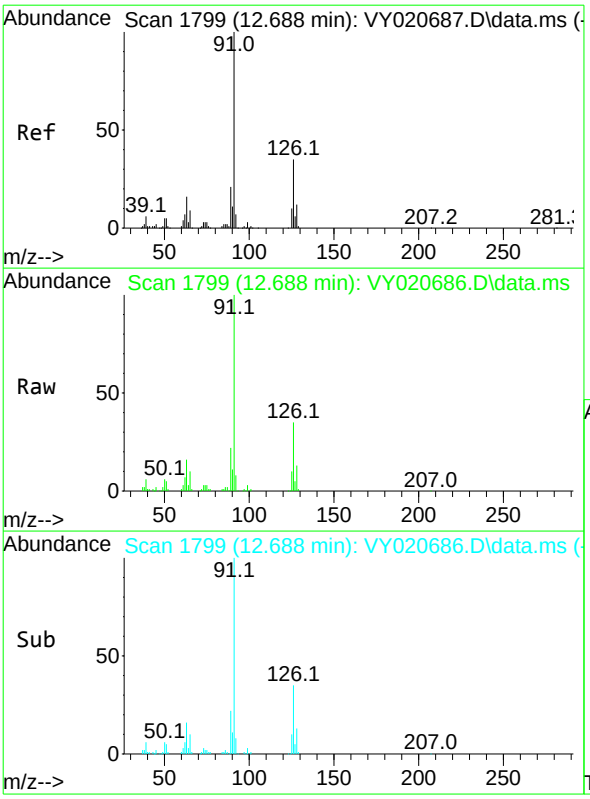


#78
n-propylbenzene
Concen: 19.749 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 93262

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1

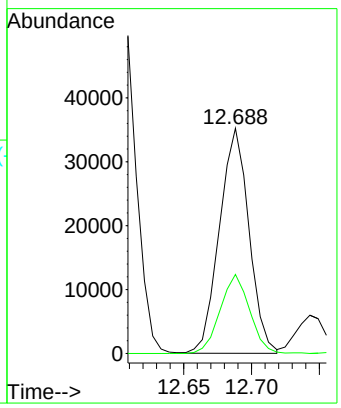




#79
2-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 53431

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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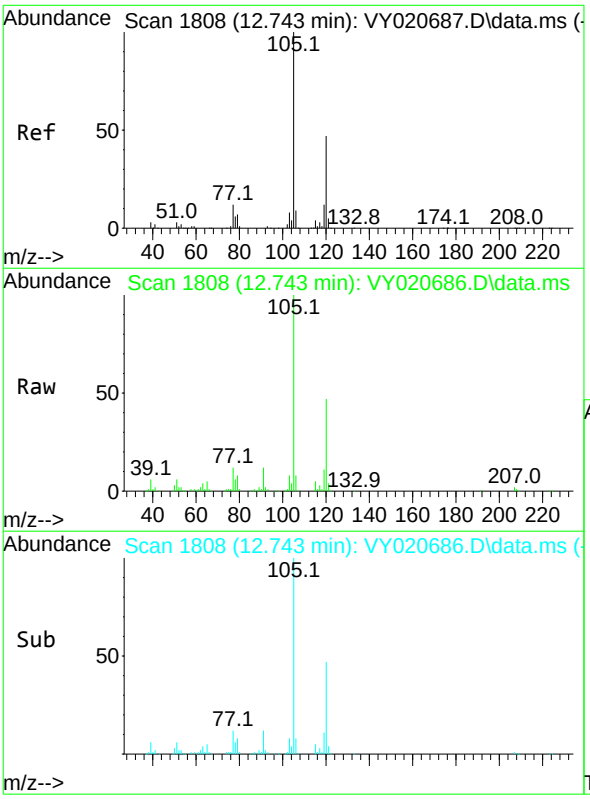
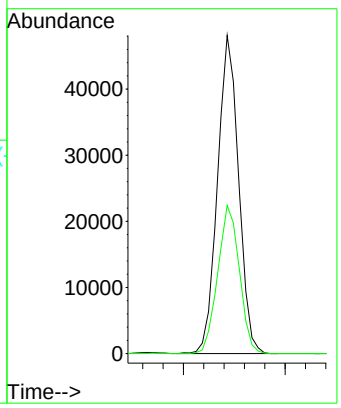
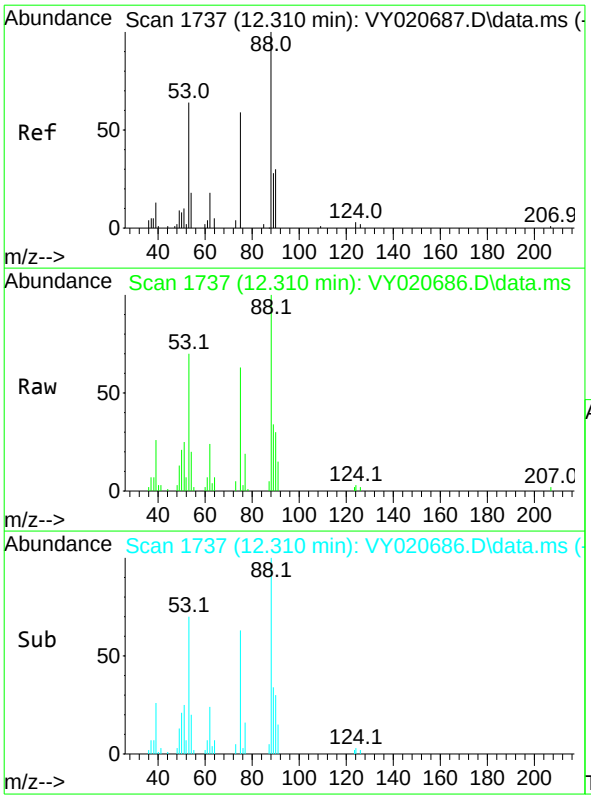


#80
1,3,5-Trimethylbenzene
Concen: 19.953 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 69321

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.584 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

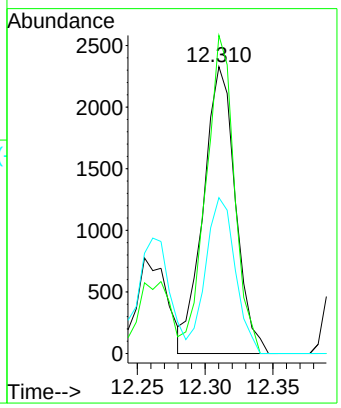
Tgt Ion: 75 Resp: 3826

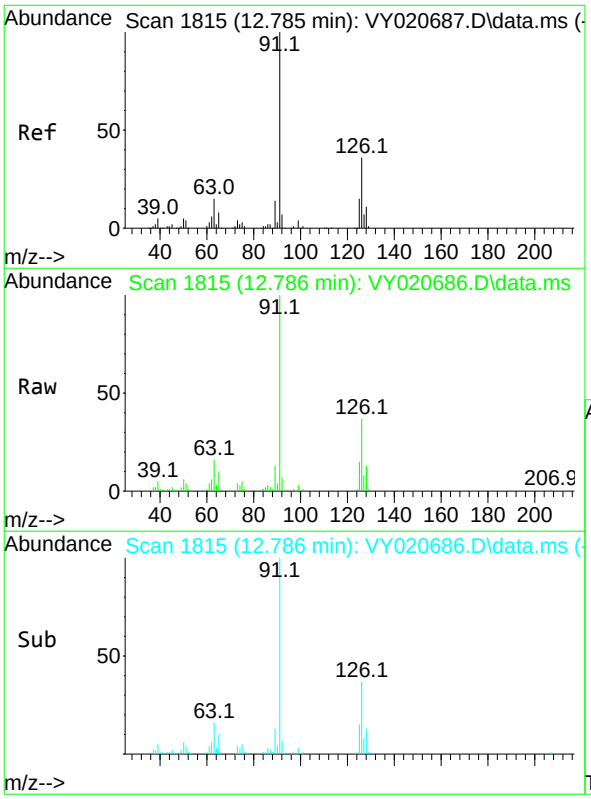
Ion	Ratio	Lower	Upper
75	100		
53	98.4	75.4	113.2
89	50.2	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

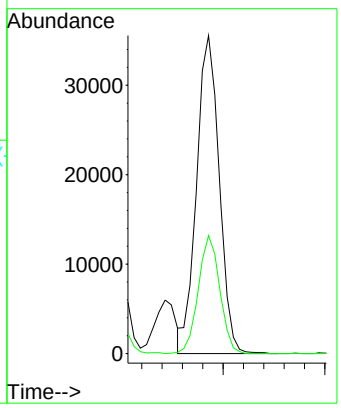


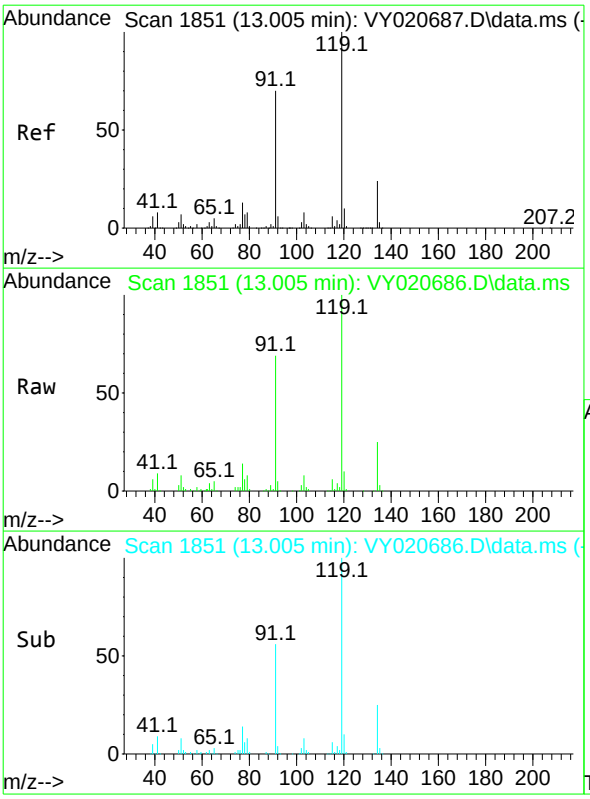


#82
4-Chlorotoluene
Concen: 20.050 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 54974

Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.6	49.7

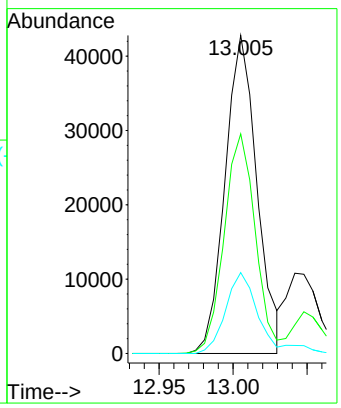




#83
tert-Butylbenzene
Concen: 19.870 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:119 Resp: 64233

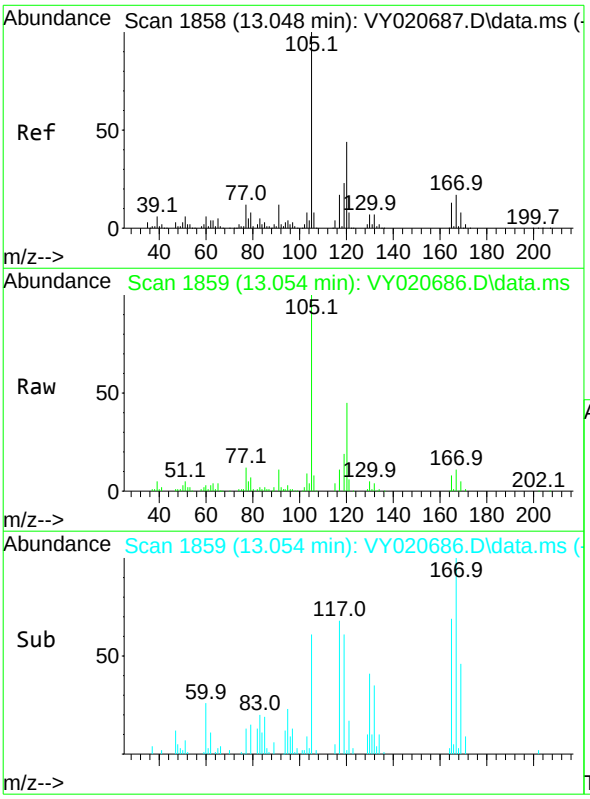
Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.9	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

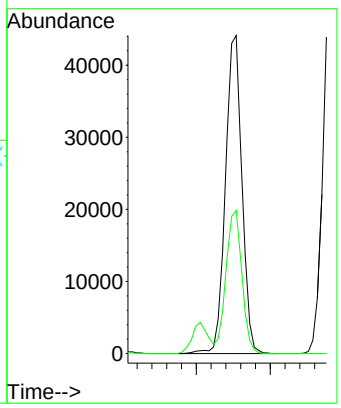
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

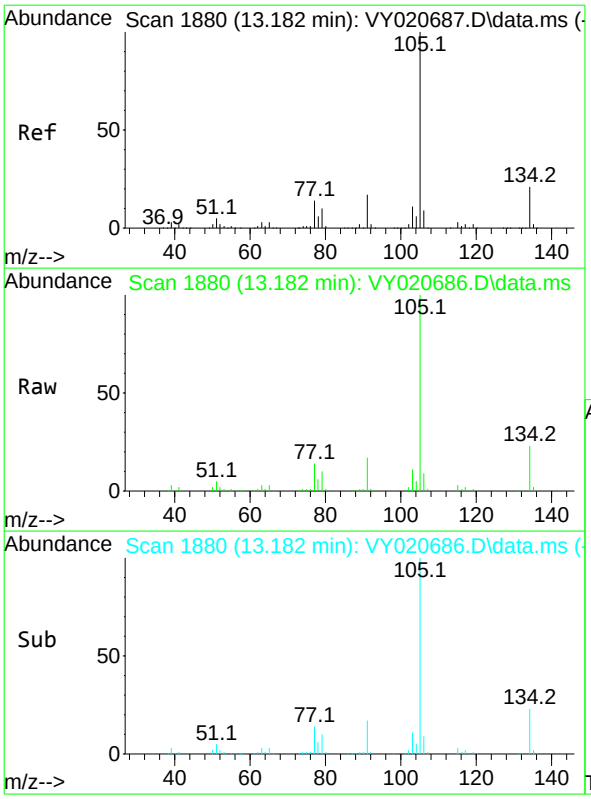


#84
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 68281

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4

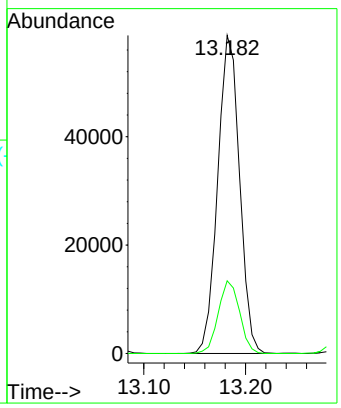




#85
sec-Butylbenzene
Concen: 20.107 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 87518

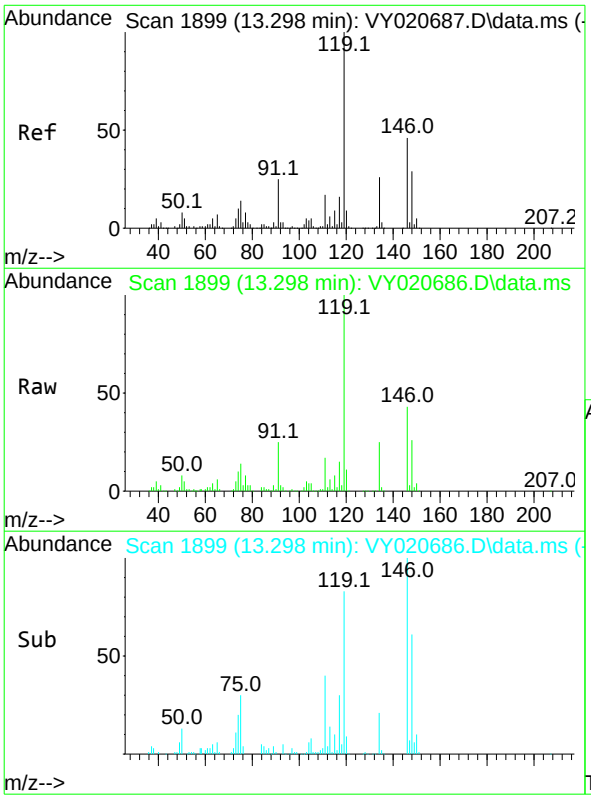
Ion	Ratio	Lower	Upper
105	100		
134	22.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

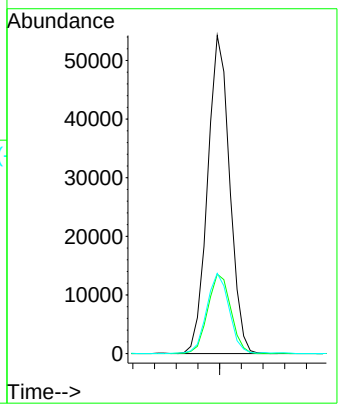
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

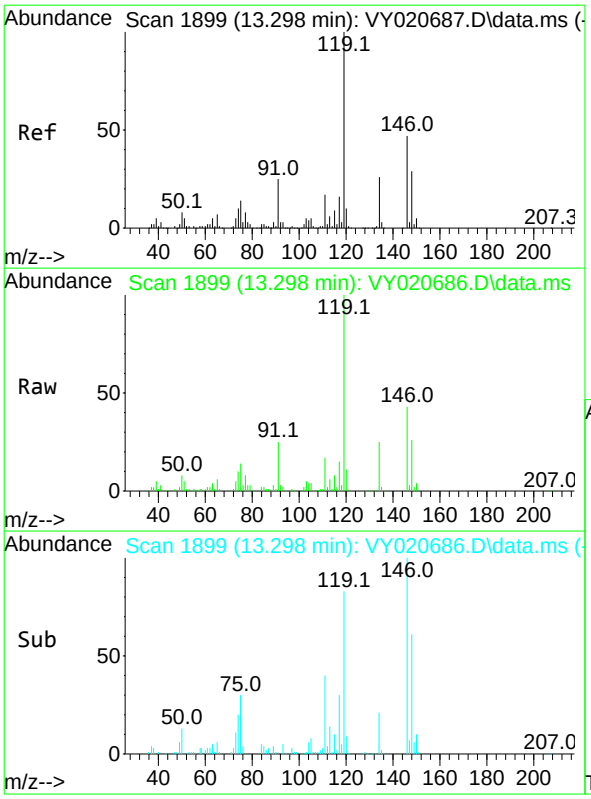


#86
p-Isopropyltoluene
Concen: 20.134 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:119 Resp: 76618

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.0	12.1	36.3

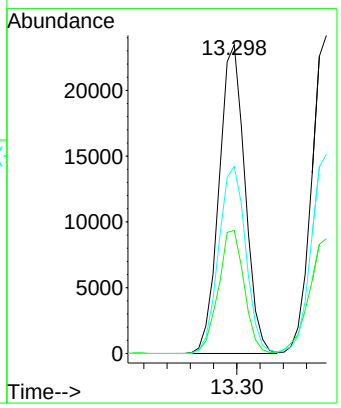




#87
1,3-Dichlorobenzene
Concen: 19.614 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:146 Resp: 36344

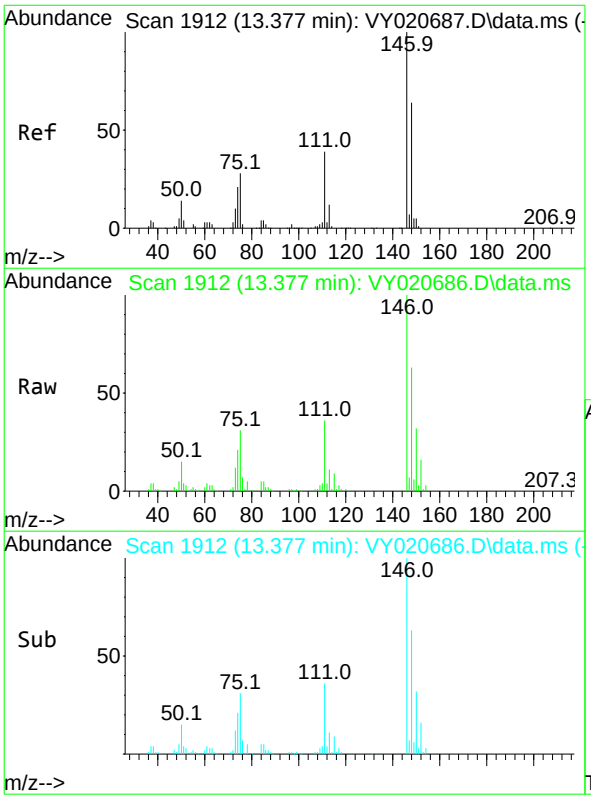
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.8
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

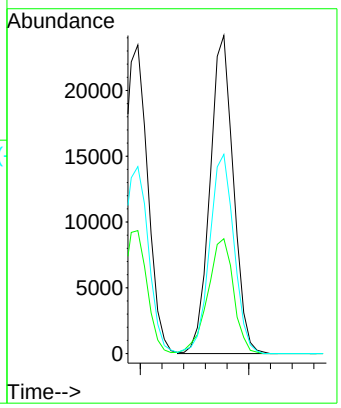
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

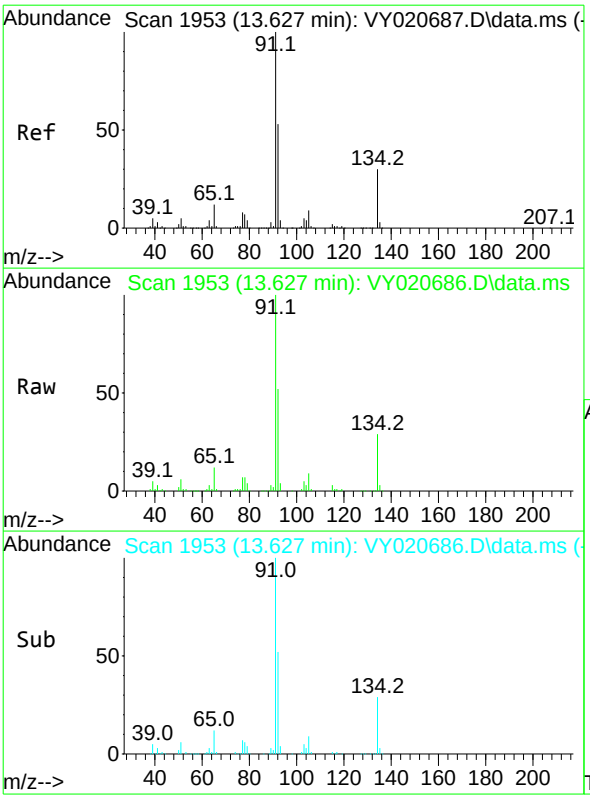


#88
1,4-Dichlorobenzene
Concen: 19.987 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:146 Resp: 36284

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	65.3	31.9	95.5

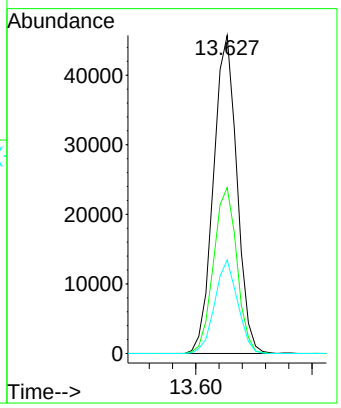




#89
n-Butylbenzene
Concen: 19.990 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 64084

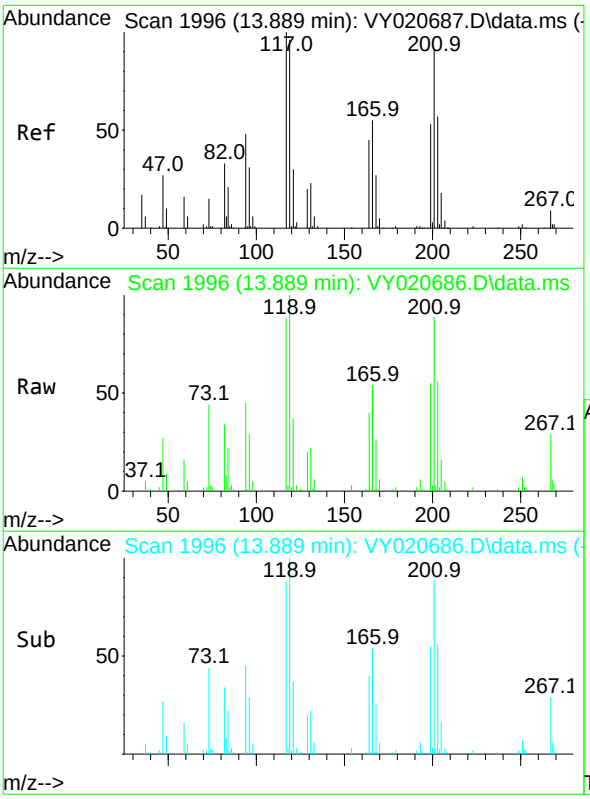
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	28.7	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

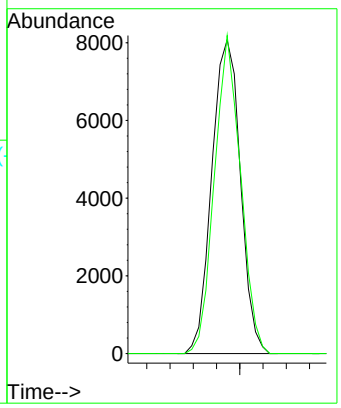
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

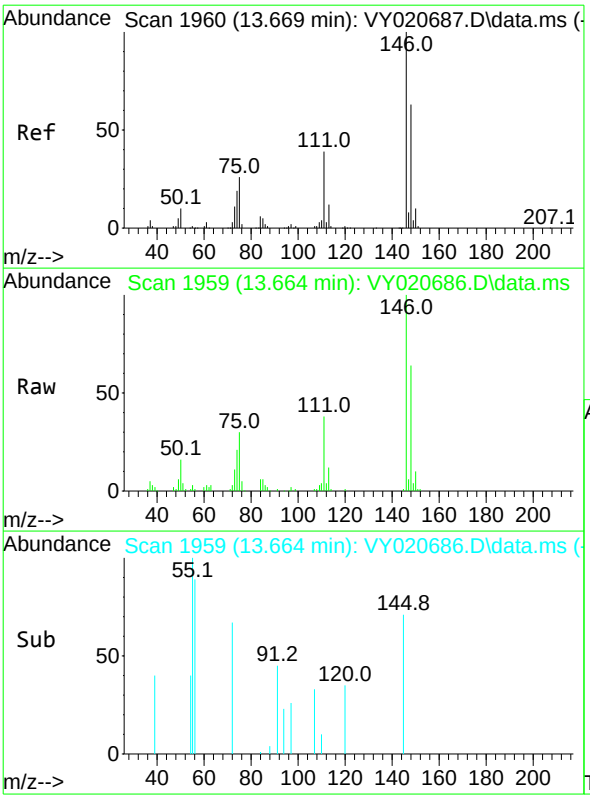


#90
Hexachloroethane
Concen: 19.146 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 13822

Ion	Ratio	Lower	Upper
117	100		
201	92.2	39.1	117.3

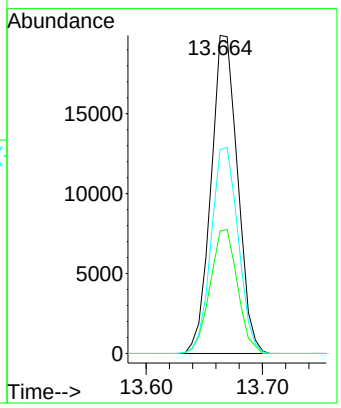




#91
1,2-Dichlorobenzene
Concen: 19.915 ug/l
RT: 13.664 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:146 Resp: 31668

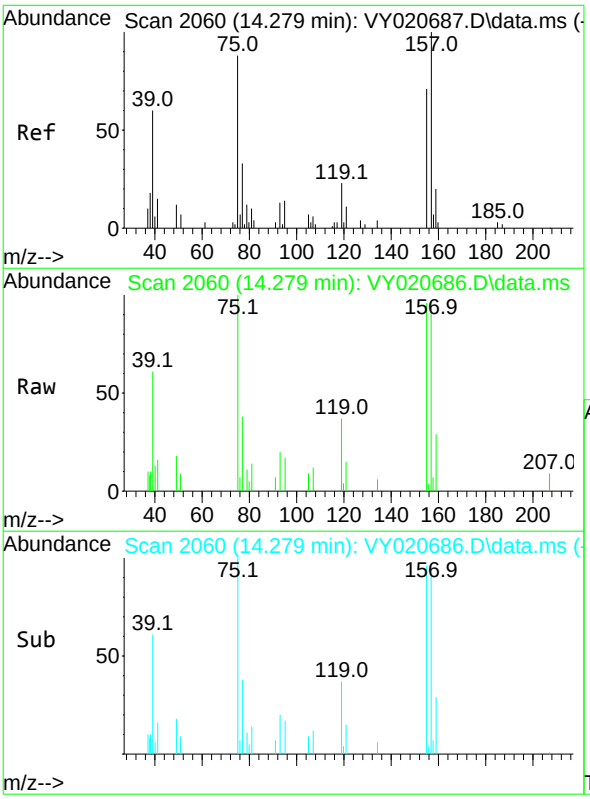
Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	63.7
148	65.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

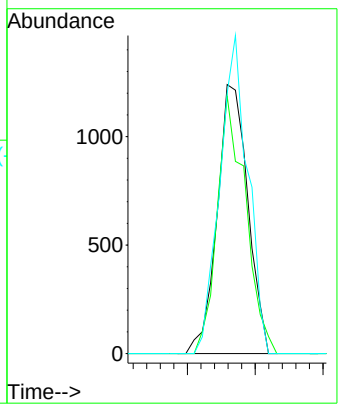
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

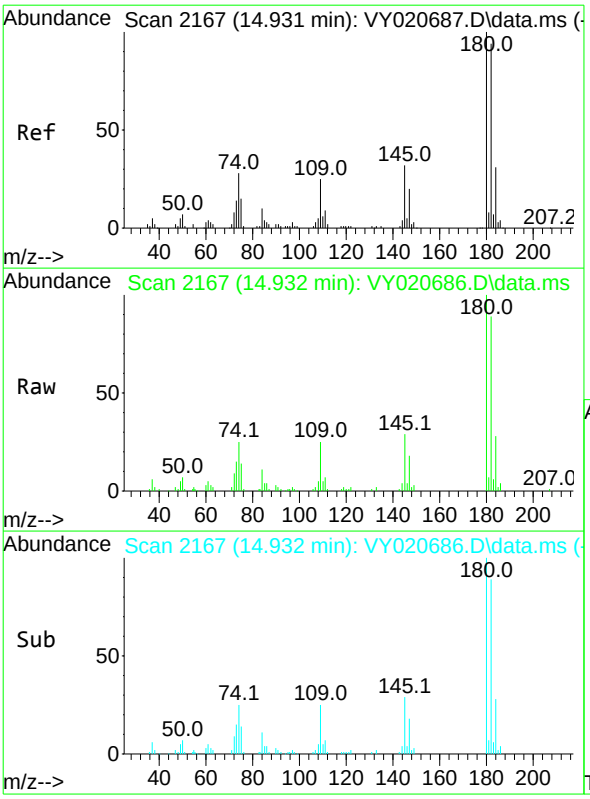


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.947 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 1946

Ion	Ratio	Lower	Upper
75	100		
155	88.9	41.1	123.3
157	108.1	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 18.593 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:180 Resp: 17553

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	32.0	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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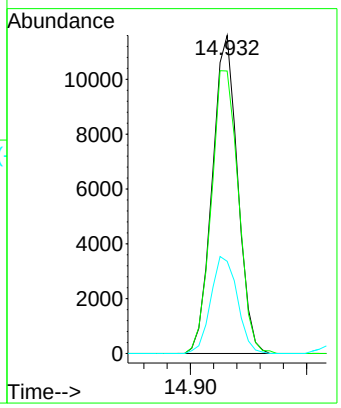
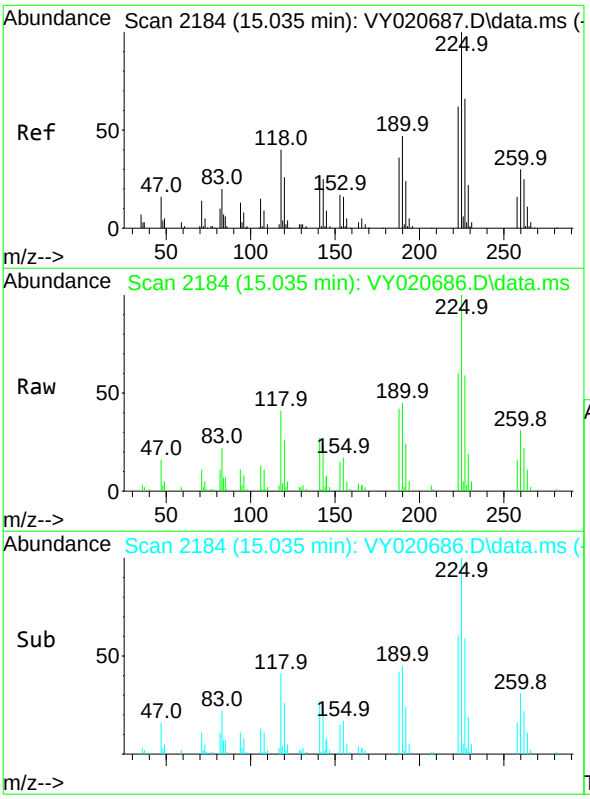
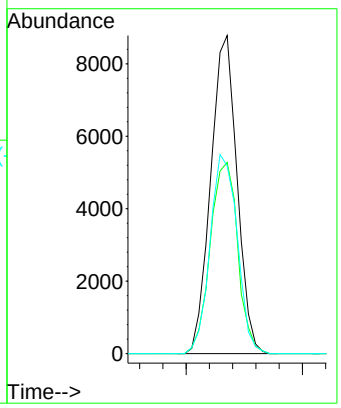


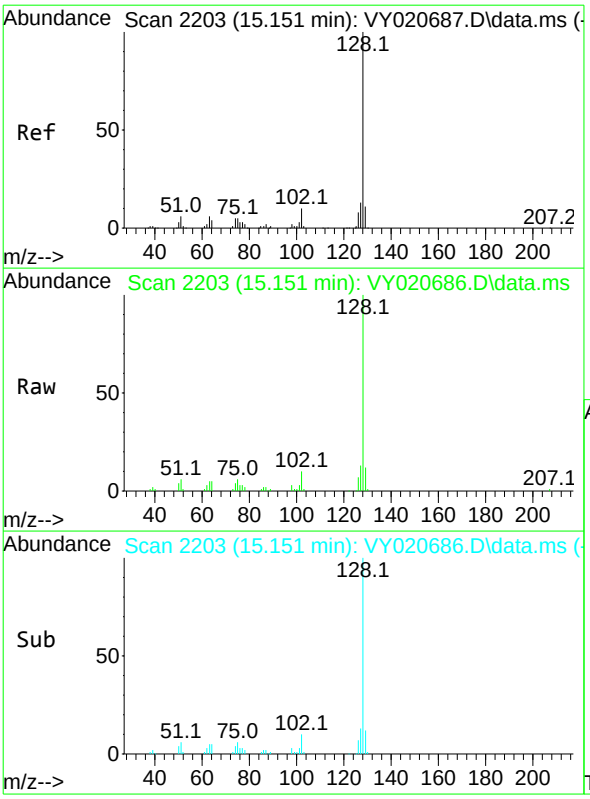


#94
Hexachlorobutadiene
Concen: 19.644 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:225 Resp: 13808

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	64.6	32.2	96.6

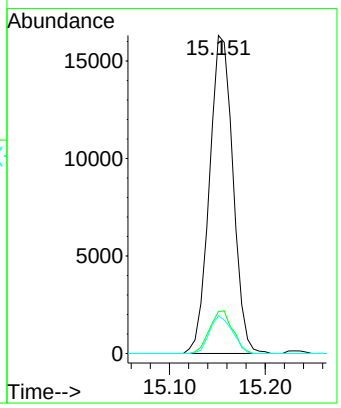




#95
Naphthalene
Concen: 18.322 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:128 Resp: 27861

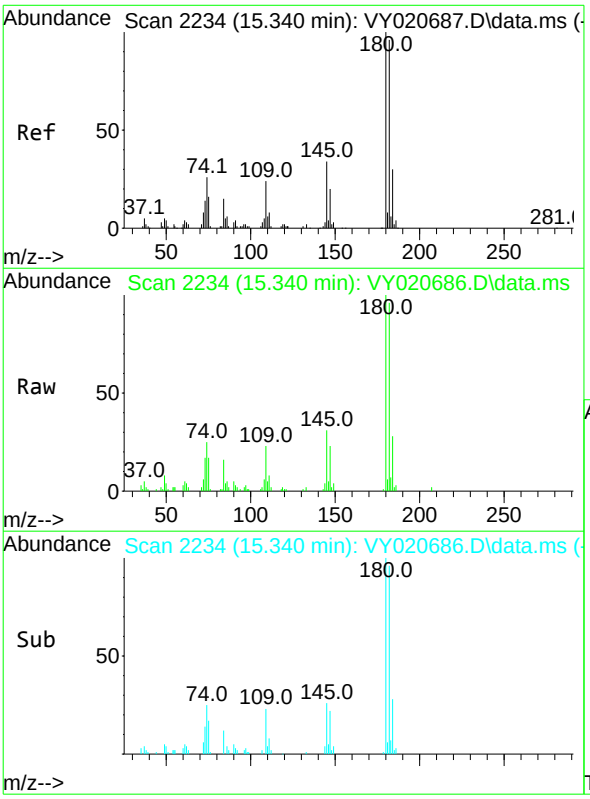
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

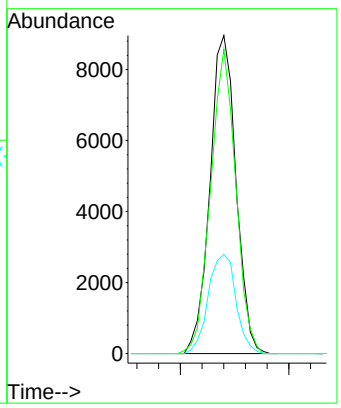
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.952 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:180 Resp: 14958

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	33.1	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.725	168	100940	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	139898	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	121636	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	61579	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	51574	57.691	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.380%				
35) Dibromofluoromethane	7.646	113	46154	56.186	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.380%				
50) Toluene-d8	10.115	98	174000	58.320	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.640%				
62) 4-Bromofluorobenzene	12.414	95	59386	54.687	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.380%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	42835	55.082	ug/l		96
3) Chloromethane	2.080	50	17777	56.112	ug/l		97
4) Vinyl Chloride	2.214	62	21381	55.354	ug/l		97
5) Bromomethane	2.610	94	15093	55.337	ug/l		96
6) Chloroethane	2.751	64	12908	54.984	ug/l		95
7) Trichlorofluoromethane	3.080	101	77184	55.566	ug/l		97
8) Diethyl Ether	3.470	74	19441	58.473	ug/l		73
9) 1,1,2-Trichlorotrifluo...	3.836	101	41734	55.021	ug/l		93
10) Methyl Iodide	4.025	142	50719	58.046	ug/l		88
11) Tert butyl alcohol	4.878	59	16066	224.495	ug/l	#	84
12) 1,1-Dichloroethene	3.811	96	37410	55.572	ug/l		92
13) Acrolein	3.671	56	3945	276.475	ug/l		99
14) Allyl chloride	4.409	41	43532	55.144	ug/l	#	70
15) Acrylonitrile	5.080	53	38117	311.030	ug/l		96
16) Acetone	3.885	43	29306	287.002	ug/l		100
17) Carbon Disulfide	4.128	76	98751	58.837	ug/l		99
18) Methyl Acetate	4.403	43	17098	64.721	ug/l	#	85
19) Methyl tert-butyl Ether	5.134	73	105227	57.466	ug/l	#	90
20) Methylene Chloride	4.635	84	37317	54.843	ug/l	#	88
21) trans-1,2-Dichloroethene	5.141	96	40759	56.152	ug/l		87
22) Diisopropyl ether	6.037	45	90738	56.224	ug/l	#	84
23) Vinyl Acetate	5.976	43	284907	298.130	ug/l	#	87
24) 1,1-Dichloroethane	5.933	63	67447	56.061	ug/l		97
25) 2-Butanone	6.908	43	42834	298.618	ug/l	#	78
26) 2,2-Dichloropropane	6.902	77	80543	53.510	ug/l		100
27) cis-1,2-Dichloroethene	6.908	96	47680	55.150	ug/l		91
28) Bromochloromethane	7.262	49	18468	51.512	ug/l	#	58
29) Tetrahydrofuran	7.274	42	26976	319.967	ug/l	#	75
30) Chloroform	7.433	83	84862	53.662	ug/l		96
31) Cyclohexane	7.719	56	54066	51.254	ug/l	#	81
32) 1,1,1-Trichloroethane	7.634	97	91153	55.174	ug/l		96
36) 1,1-Dichloropropene	7.853	75	56184	56.269	ug/l		95
37) Ethyl Acetate	6.994	43	20340	62.332	ug/l	#	94
38) Carbon Tetrachloride	7.835	117	91548	56.659	ug/l		96
39) Methylcyclohexane	9.121	83	71616	56.429	ug/l		93
40) Benzene	8.091	78	162713	56.488	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	11416	61.814	ug/l	#	85
42) 1,2-Dichloroethane	8.170	62	53759	58.683	ug/l		98
43) Isopropyl Acetate	8.207	43	42444	62.581	ug/l	#	91
44) Trichloroethene	8.878	130	47471	55.530	ug/l		96
45) 1,2-Dichloropropane	9.146	63	32310	57.090	ug/l		97
46) Dibromomethane	9.243	93	22781	58.307	ug/l		91
47) Bromodichloromethane	9.432	83	64511	58.206	ug/l		93
48) Methyl methacrylate	9.231	41	19395	60.325	ug/l	#	76
49) 1,4-Dioxane	9.243	88	5175	1263.038	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.005	43	103549	305.637	ug/l		93
52) Toluene	10.182	92	110772	56.472	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	57524	58.656	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	63223	58.506	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	29932	59.166	ug/l		91
56) Ethyl methacrylate	10.444	69	40146	62.210	ug/l		87
57) 1,3-Dichloropropane	10.725	76	49363	59.693	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	70894	293.980	ug/l	#	82
59) 2-Hexanone	10.768	43	69770	323.304	ug/l		92
60) Dibromochloromethane	10.920	129	46892	58.055	ug/l		99
61) 1,2-Dibromoethane	11.024	107	28413	59.909	ug/l		100
64) Tetrachloroethene	10.652	164	44055	54.535	ug/l		98
65) Chlorobenzene	11.450	112	124322	54.695	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	48471	54.608	ug/l		94
67) Ethyl Benzene	11.530	91	223894	54.902	ug/l		99
68) m/p-Xylenes	11.633	106	170991	109.956	ug/l		99
69) o-Xylene	11.962	106	81469	55.771	ug/l		100
70) Styrene	11.975	104	136156	55.416	ug/l		98
71) Bromoform	12.139	173	30077	59.159	ug/l	#	99
73) Isopropylbenzene	12.261	105	225831	53.916	ug/l		99
74) N-amyl acetate	12.078	43	36365	61.787	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.511	83	30636	56.838	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21468m	53.190	ug/l		
77) Bromobenzene	12.536	156	52505	55.049	ug/l		85
78) n-propylbenzene	12.603	91	254354	53.863	ug/l		95
79) 2-Chlorotoluene	12.688	91	145847	54.253	ug/l		96
80) 1,3,5-Trimethylbenzene	12.743	105	188299	54.200	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	11989	61.368	ug/l		91
82) 4-Chlorotoluene	12.785	91	149088	54.377	ug/l		95
83) tert-Butylbenzene	13.005	119	175014	54.141	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	187108	55.133	ug/l		100
85) sec-Butylbenzene	13.182	105	234783	53.941	ug/l		97
86) p-Isopropyltoluene	13.298	119	207868	54.626	ug/l		97
87) 1,3-Dichlorobenzene	13.298	146	103140	55.664	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	98848	54.451	ug/l		98
89) n-Butylbenzene	13.627	91	173932	54.256	ug/l		96
90) Hexachloroethane	13.889	117	39363	54.527	ug/l		87
91) 1,2-Dichlorobenzene	13.669	146	88113	55.411	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5889	57.338	ug/l		92
93) 1,2,4-Trichlorobenzene	14.931	180	54343	57.563	ug/l		100
94) Hexachlorobutadiene	15.035	225	38655	54.993	ug/l		99
95) Naphthalene	15.151	128	94107	53.559	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	45974	58.249	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 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\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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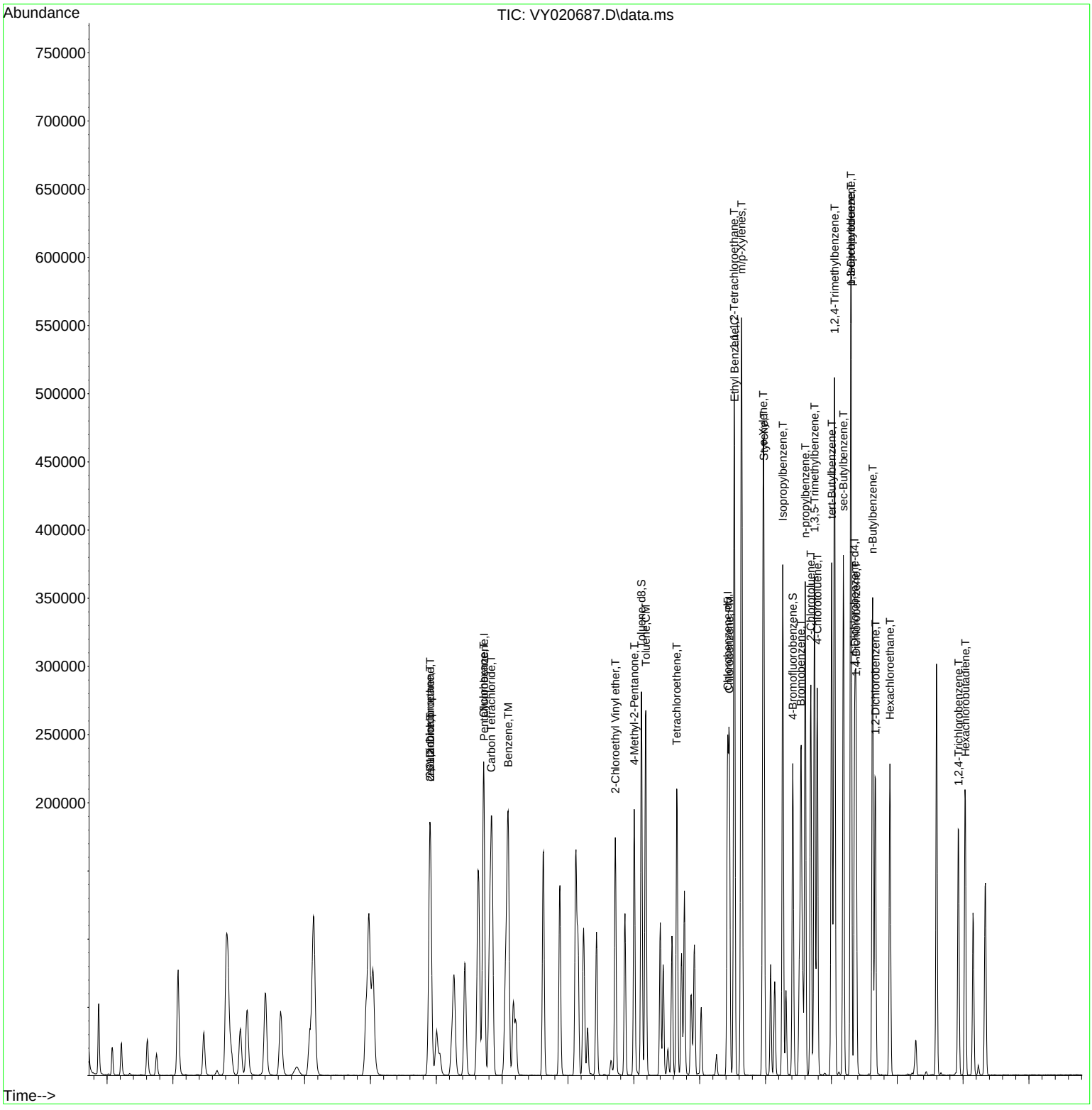
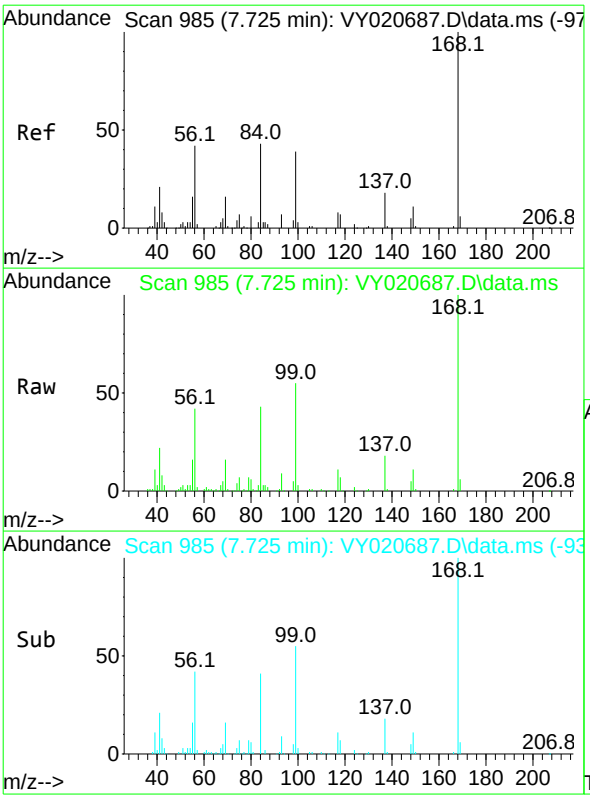
Quant Time: Dec 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

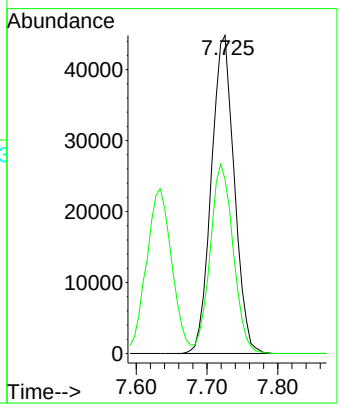




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:168 Resp: 100940

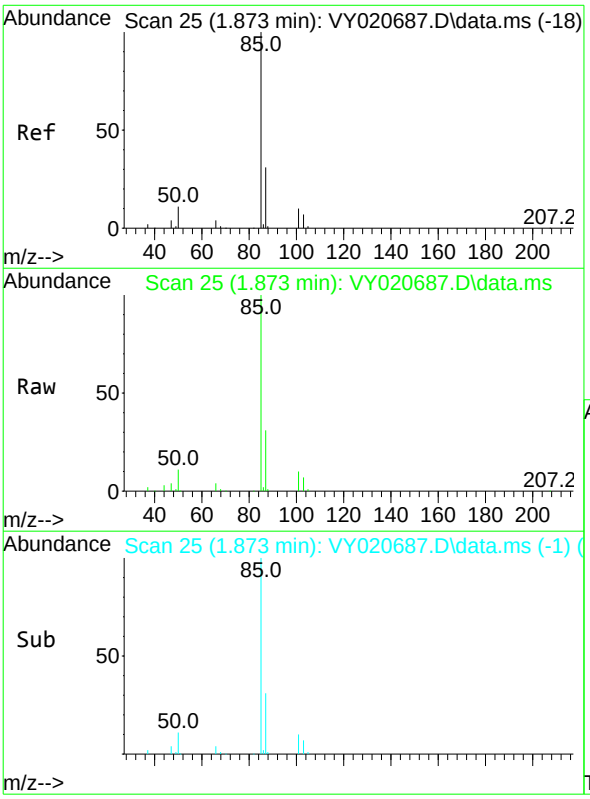
Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

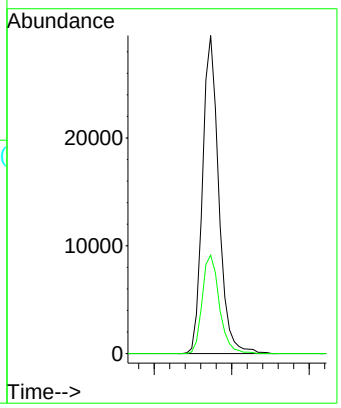
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

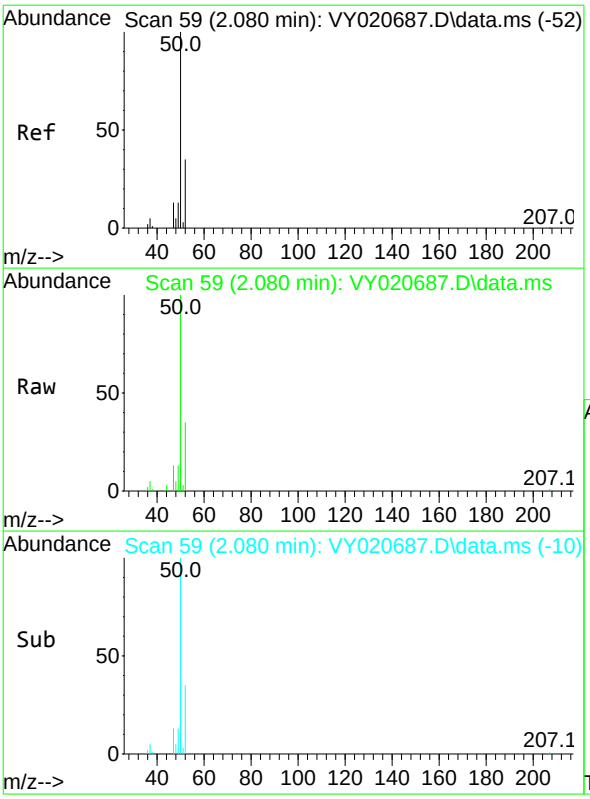


#2
Dichlorodifluoromethane
Concen: 55.082 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 85 Resp: 42835

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.8	50.3

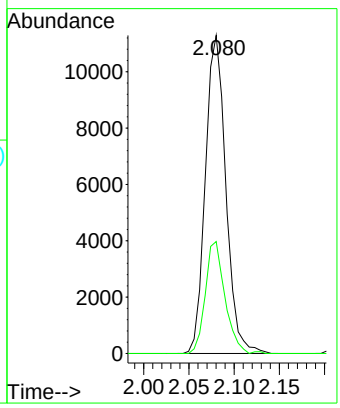




#3
Chloromethane
Concen: 56.112 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 50 Resp: 17777

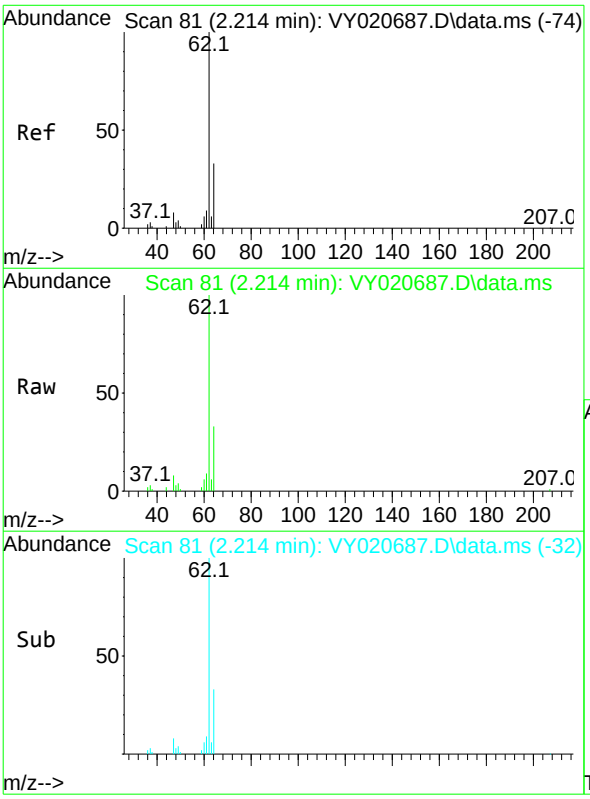
Ion	Ratio	Lower	Upper
50	100		
52	35.2	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

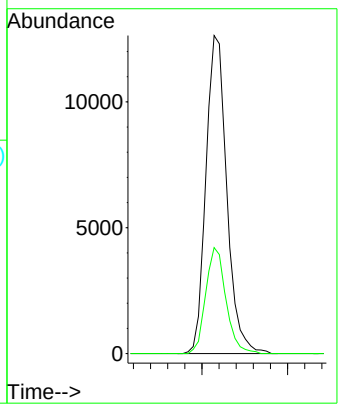
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

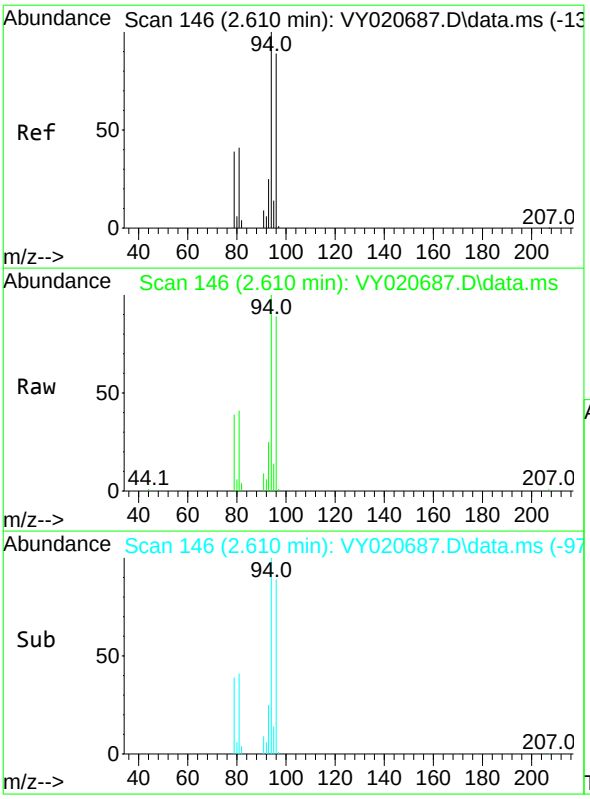


#4
Vinyl Chloride
Concen: 55.354 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 62 Resp: 21381

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9

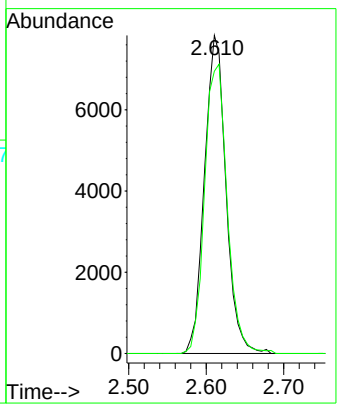




#5
Bromomethane
Concen: 55.337 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 94 Resp: 15093

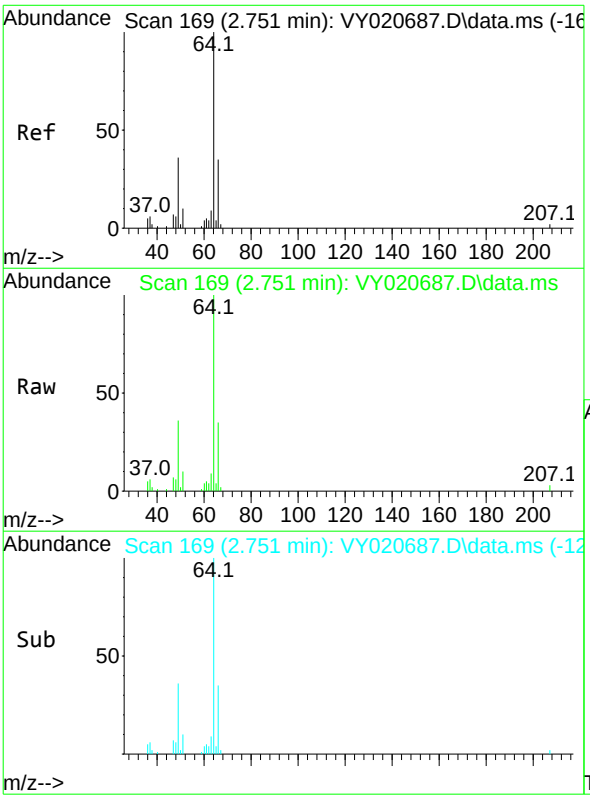
Ion	Ratio	Lower	Upper
94	100		
96	88.8	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

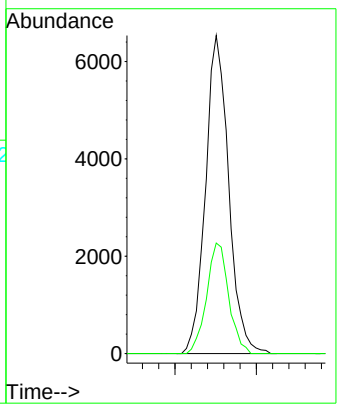
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

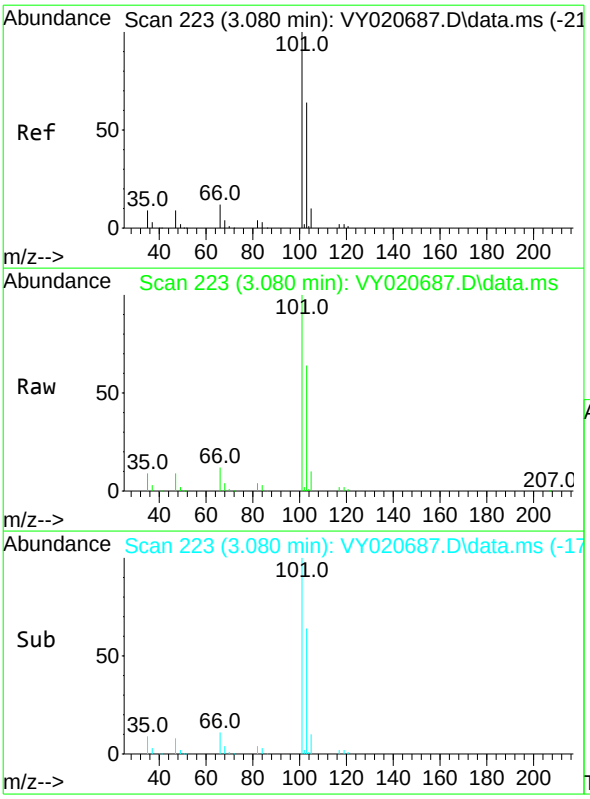


#6
Chloroethane
Concen: 54.984 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 64 Resp: 12908

Ion	Ratio	Lower	Upper
64	100		
66	34.8	25.8	38.6

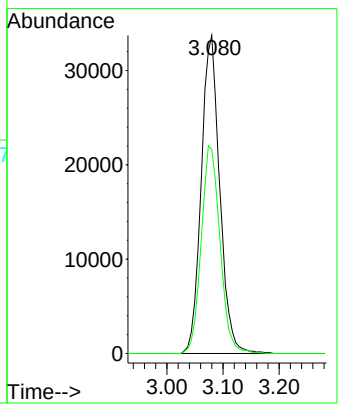




#7
Trichlorofluoromethane
Concen: 55.566 ug/l
RT: 3.080 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:101 Resp: 77184

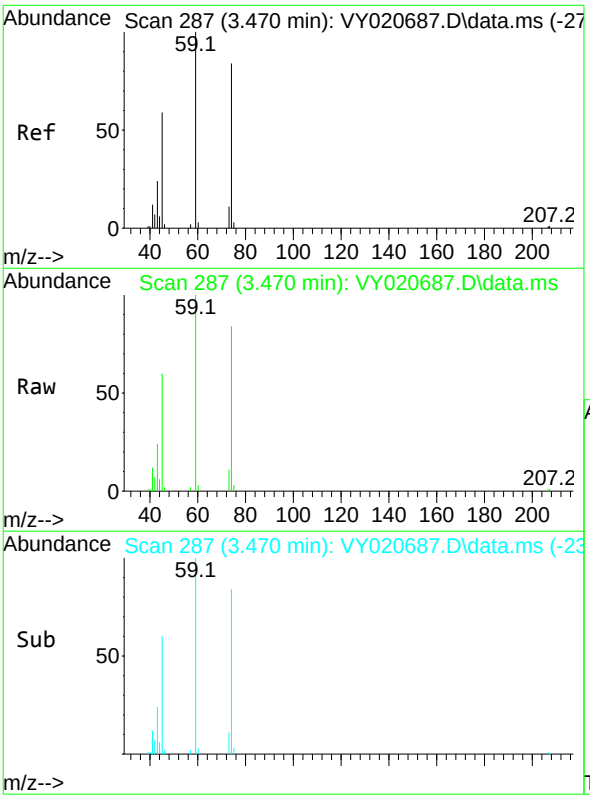
Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

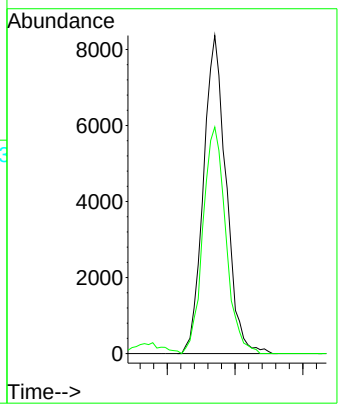
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

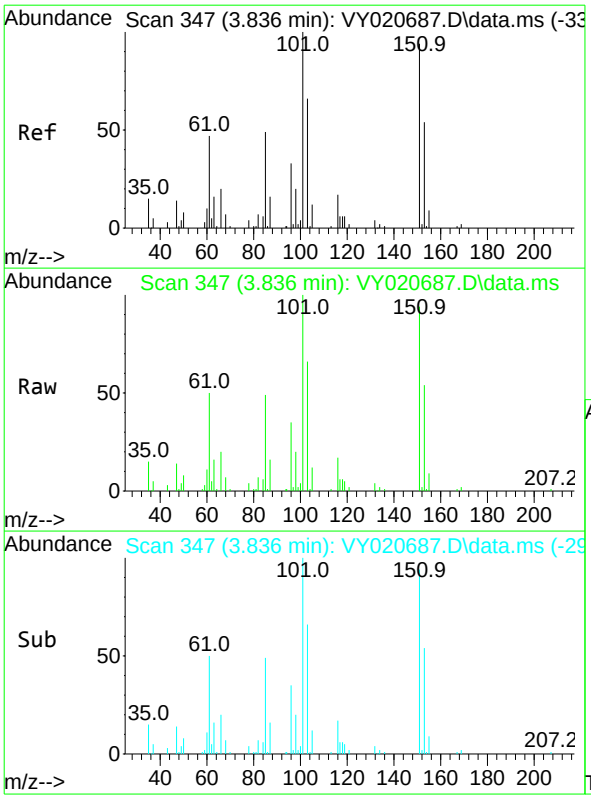


#8
Diethyl Ether
Concen: 58.473 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 74 Resp: 19441

Ion	Ratio	Lower	Upper
74	100		
45	71.6	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.021 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

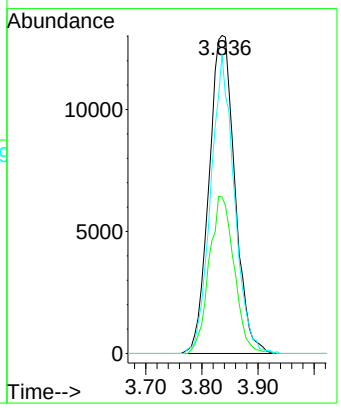
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

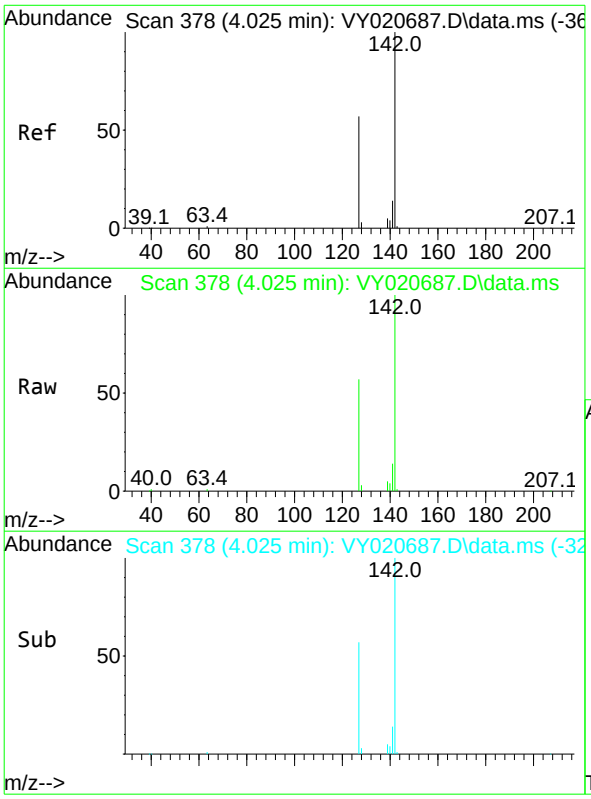
Tgt Ion:101 Resp: 41734

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.6	54.8
151	85.5	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

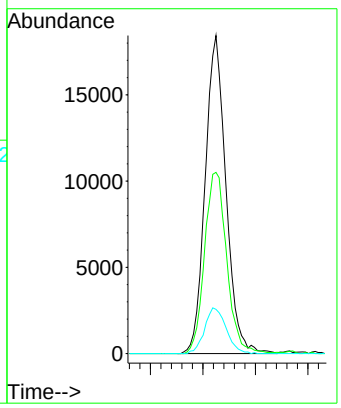


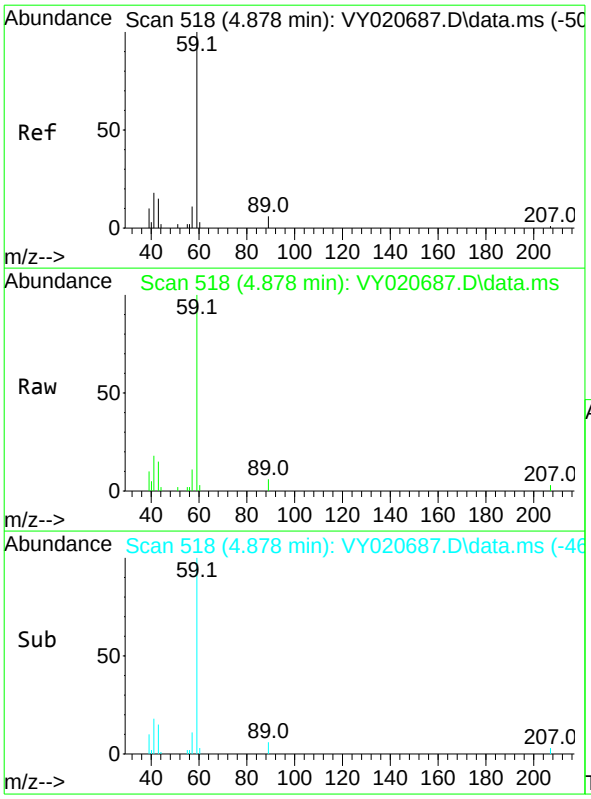


#10
Methyl Iodide
Concen: 58.046 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:142 Resp: 50719

Ion	Ratio	Lower	Upper
142	100		
127	61.0	40.6	61.0
141	14.9	11.7	17.5

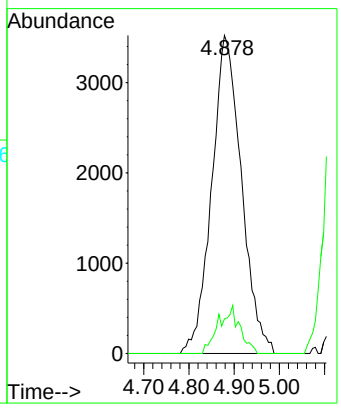




#11
Tert butyl alcohol
Concen: 224.495 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 59 Resp: 16066

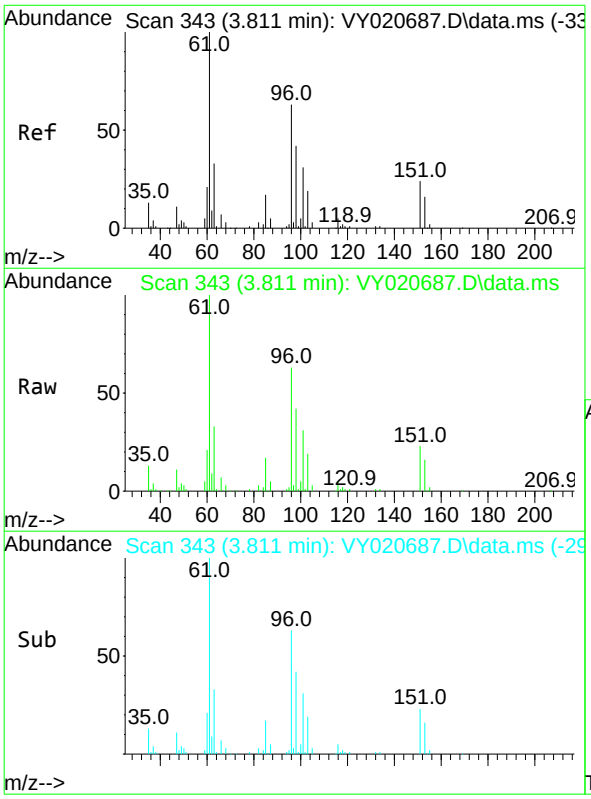
Ion	Ratio	Lower	Upper
59	100		
57	3.5	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

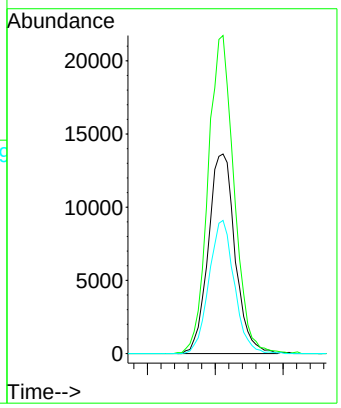
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

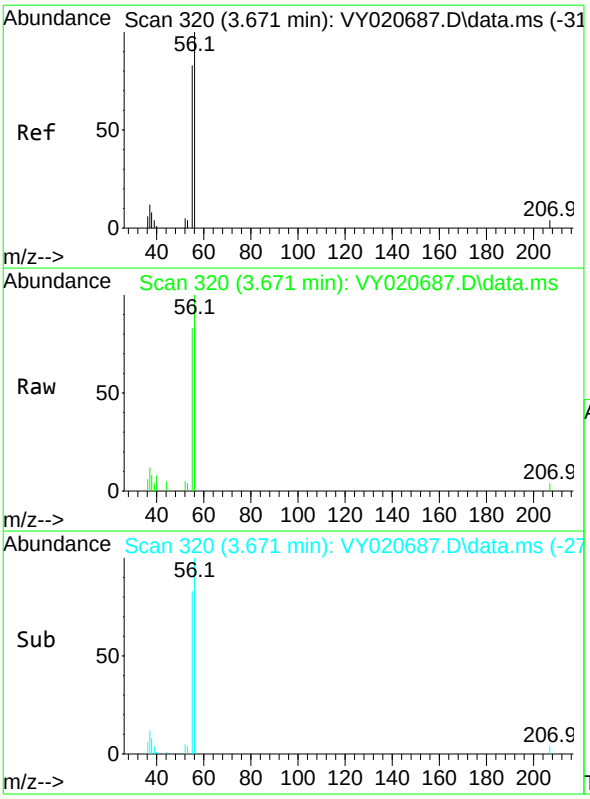


#12
1,1-Dichloroethene
Concen: 55.572 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 96 Resp: 37410

Ion	Ratio	Lower	Upper
96	100		
61	158.9	136.9	205.3
98	66.7	50.2	75.4

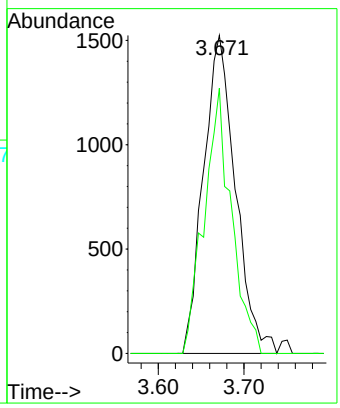




#13
Acrolein
Concen: 276.475 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 56 Resp: 3945

Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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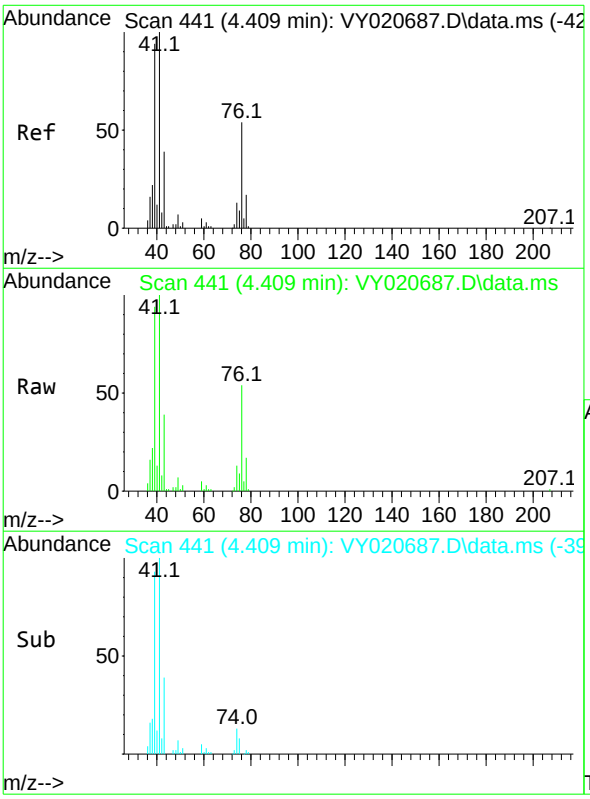
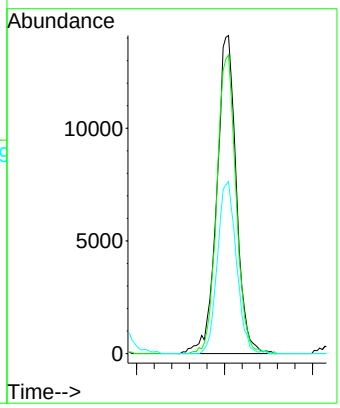
Supervised By :Mahesh Dadoda 12/26/2024

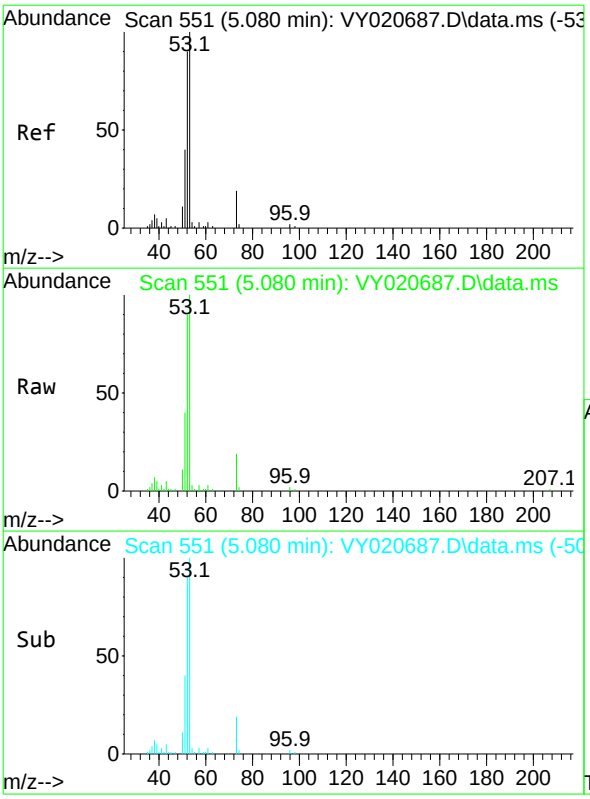


#14
Allyl chloride
Concen: 55.144 ug/l
RT: 4.409 min Scan# 441
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 41 Resp: 43532

Ion	Ratio	Lower	Upper
41	100		
39	91.9	53.0	79.4#
76	52.3	29.5	44.3#

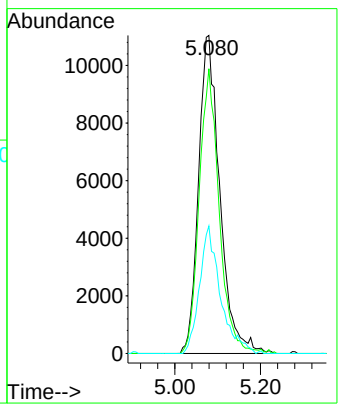




#15
Acrylonitrile
Concen: 311.030 ug/l
RT: 5.080 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 53 Resp: 38117

Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.5	96.7
51	39.2	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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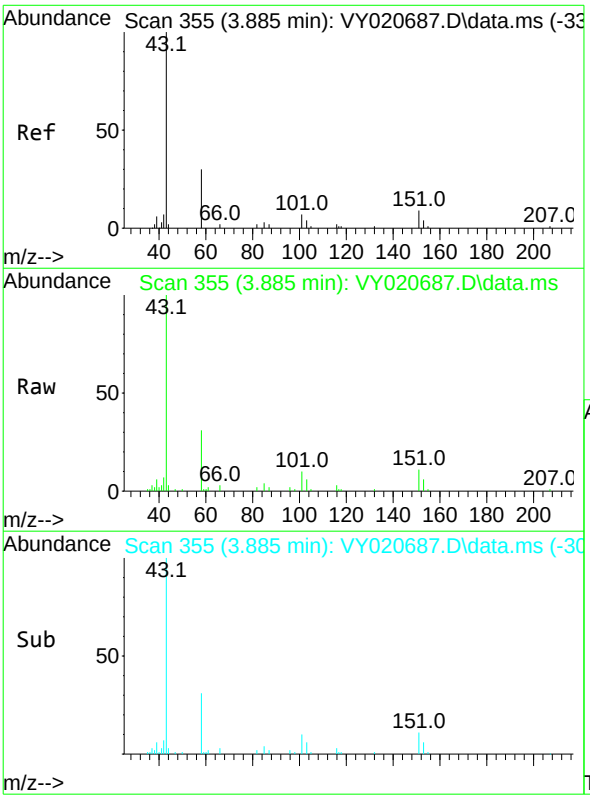
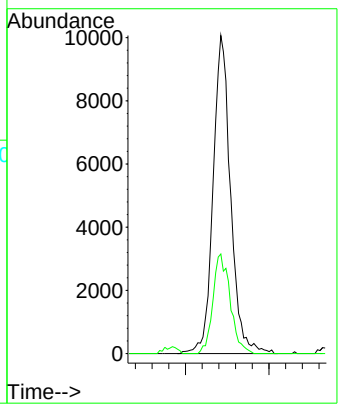
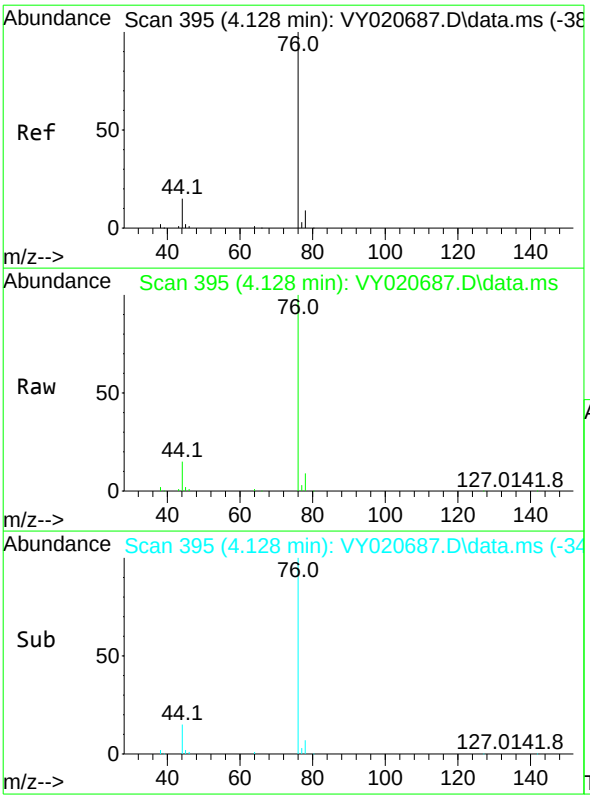


#16
Acetone
Concen: 287.002 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 29306

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6

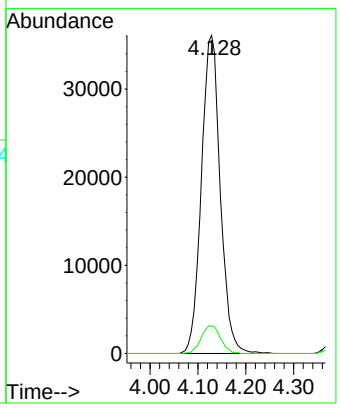




#17
Carbon Disulfide
Concen: 58.837 ug/l
RT: 4.128 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 76 Resp: 98751

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8



Instrument :
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ClientSampleId :
VSTDICCC050

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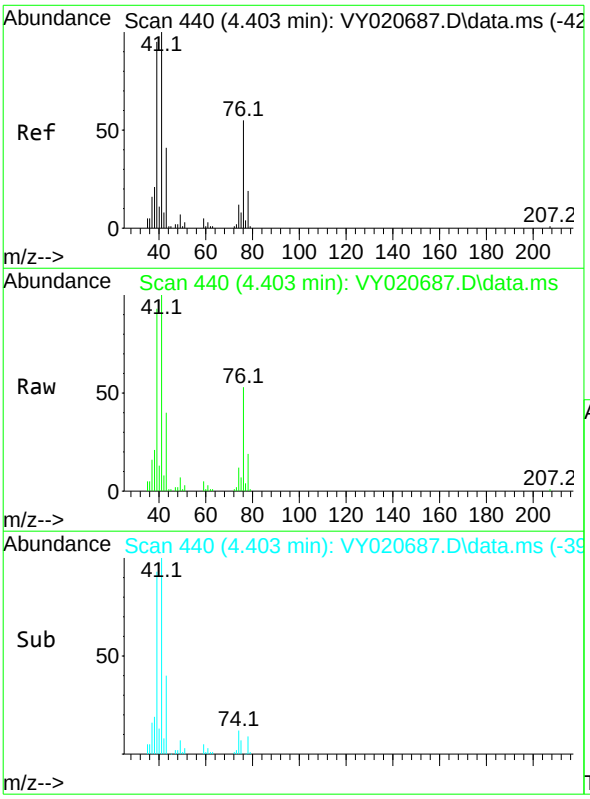
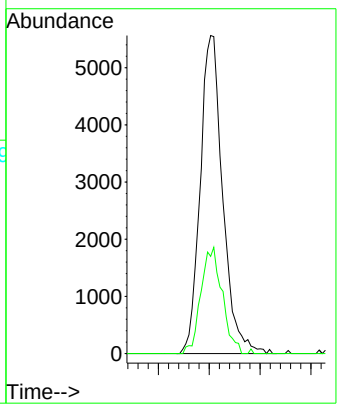
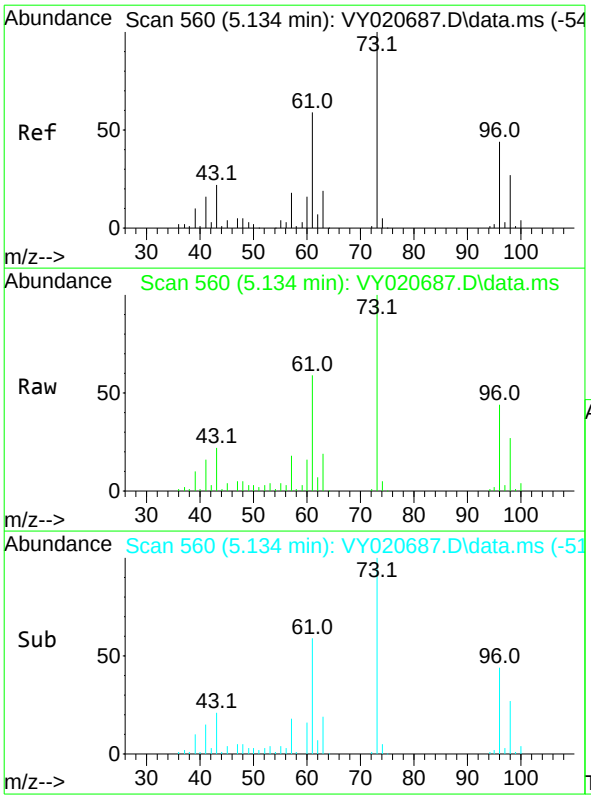


#18
Methyl Acetate
Concen: 64.721 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 17098

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#





#19
Methyl tert-butyl Ether
Concen: 57.466 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 73 Resp: 105227

Ion	Ratio	Lower	Upper
73	100		
57	18.0	18.5	27.7#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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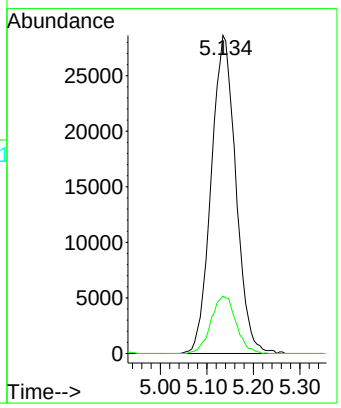
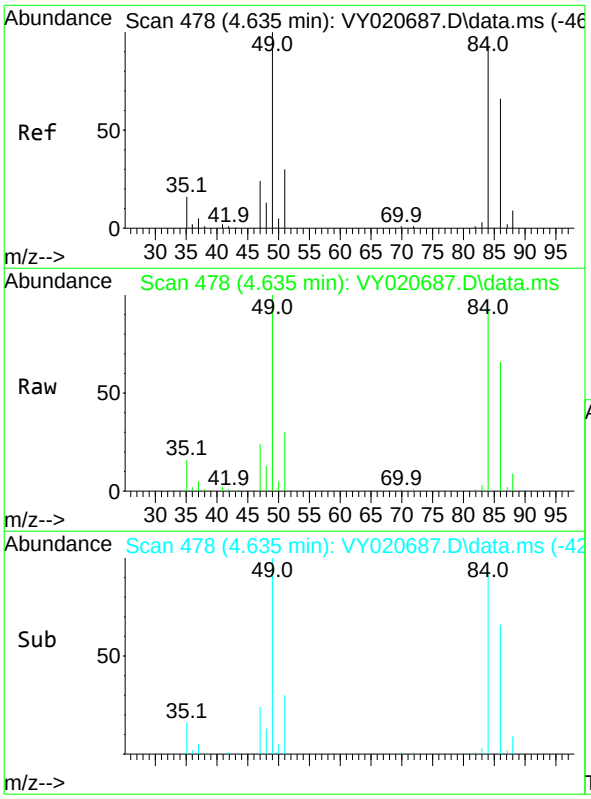
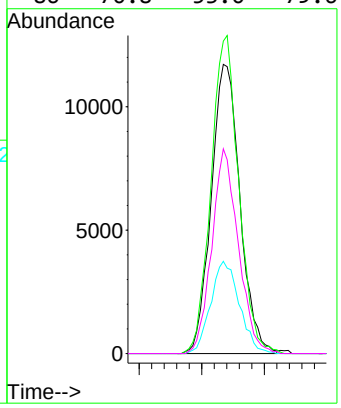


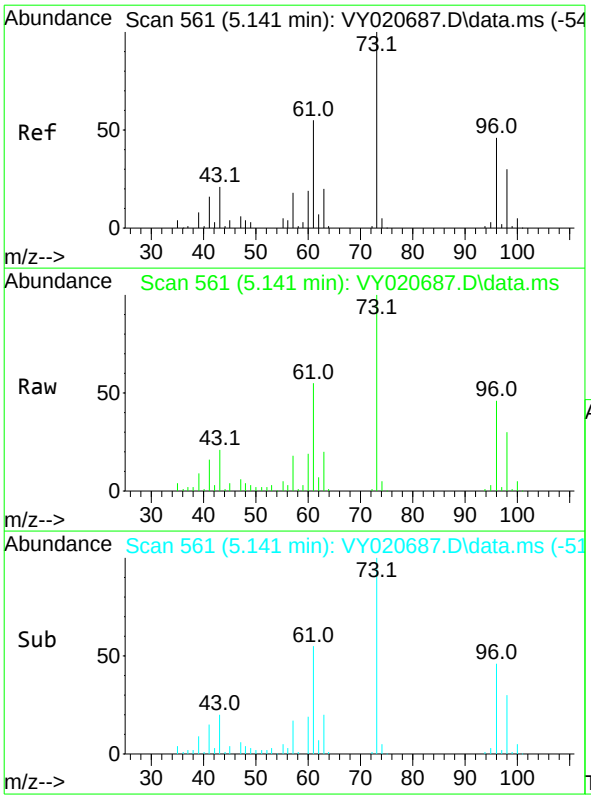


#20
Methylene Chloride
Concen: 54.843 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 84 Resp: 37317

Ion	Ratio	Lower	Upper
84	100		
49	108.0	100.7	151.1
51	31.9	32.2	48.2#
86	70.8	53.0	79.6

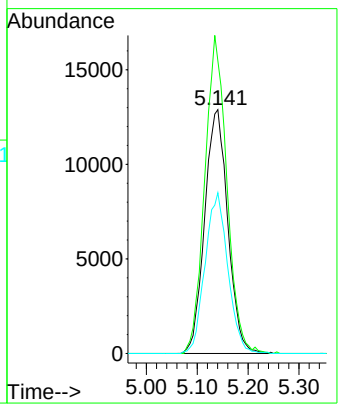




#21
trans-1,2-Dichloroethene
Concen: 56.152 ug/l
RT: 5.141 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 96 Resp: 40759

Ion	Ratio	Lower	Upper
96	100		
61	120.1	113.7	170.5
98	65.9	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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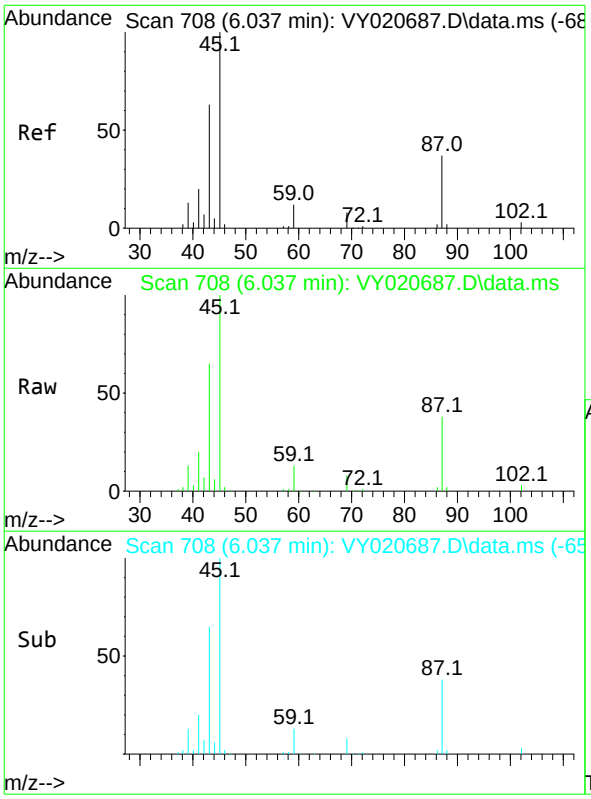
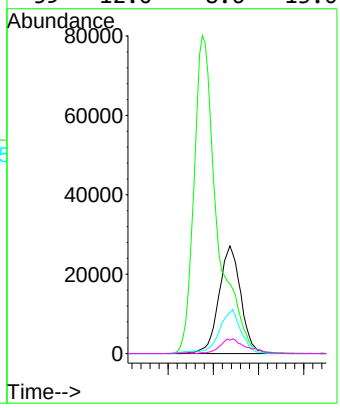
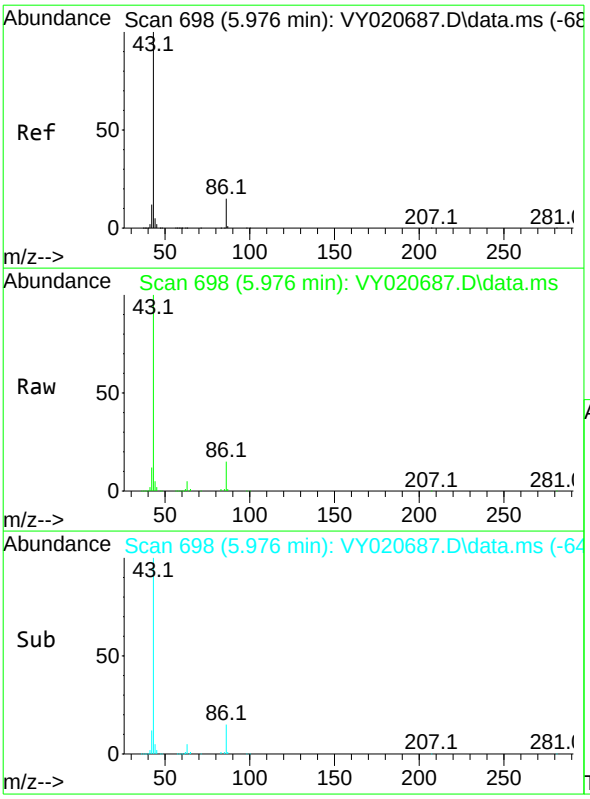


#22
Diisopropyl ether
Concen: 56.224 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 45 Resp: 90738

Ion	Ratio	Lower	Upper
45	100		
43	64.1	42.6	64.0#
87	38.3	20.6	31.0#
59	12.0	8.6	13.0

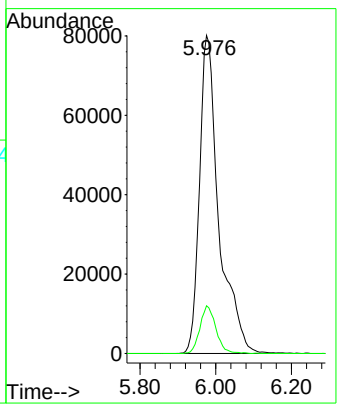




#23
Vinyl Acetate
Concen: 298.130 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 284907

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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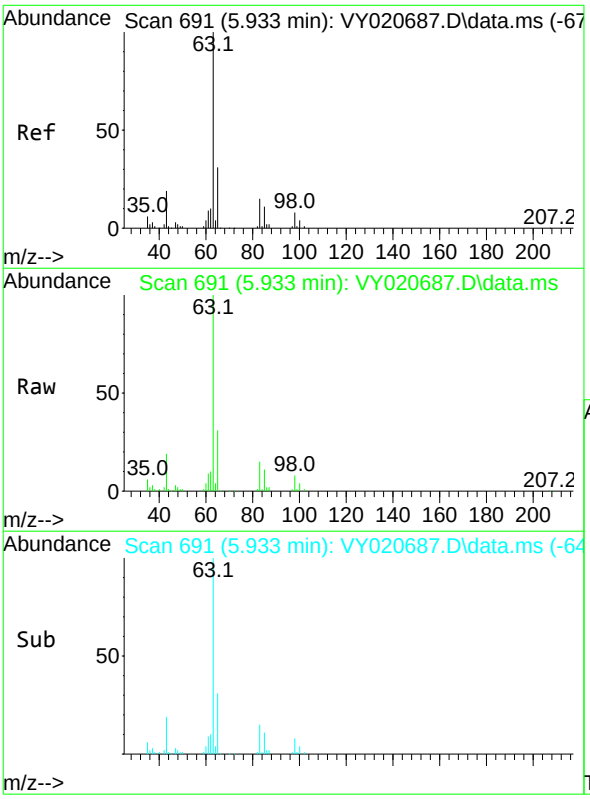
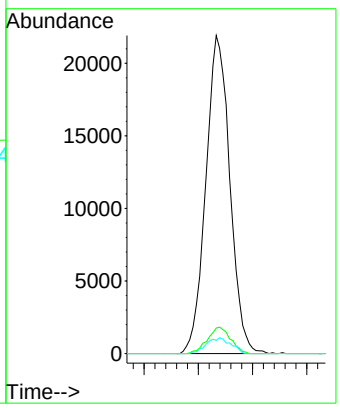
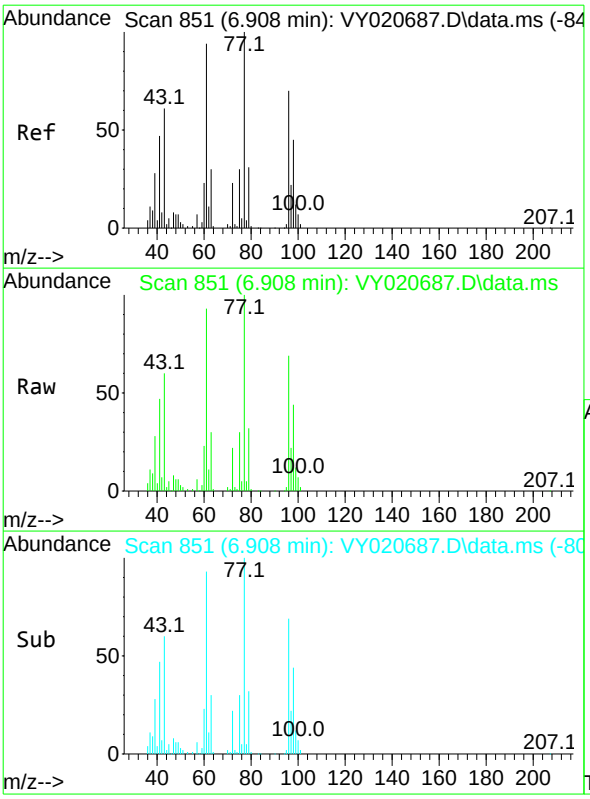


#24
1,1-Dichloroethane
Concen: 56.061 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 63 Resp: 67447

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 298.618 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 42834

Ion	Ratio	Lower	Upper
43	100		
72	36.9	20.6	31.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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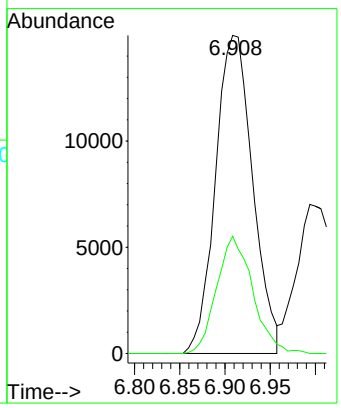
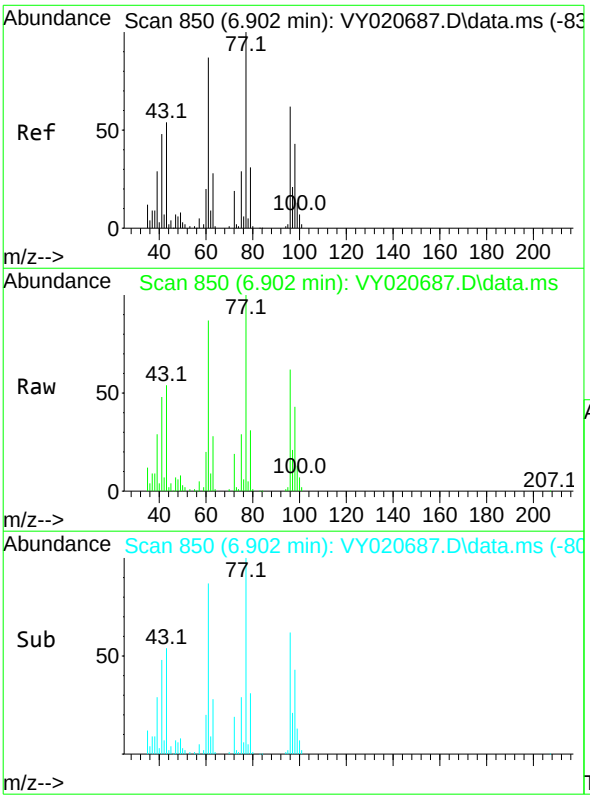
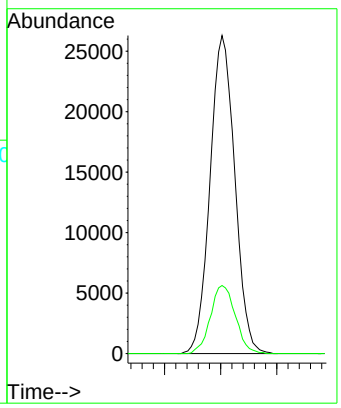


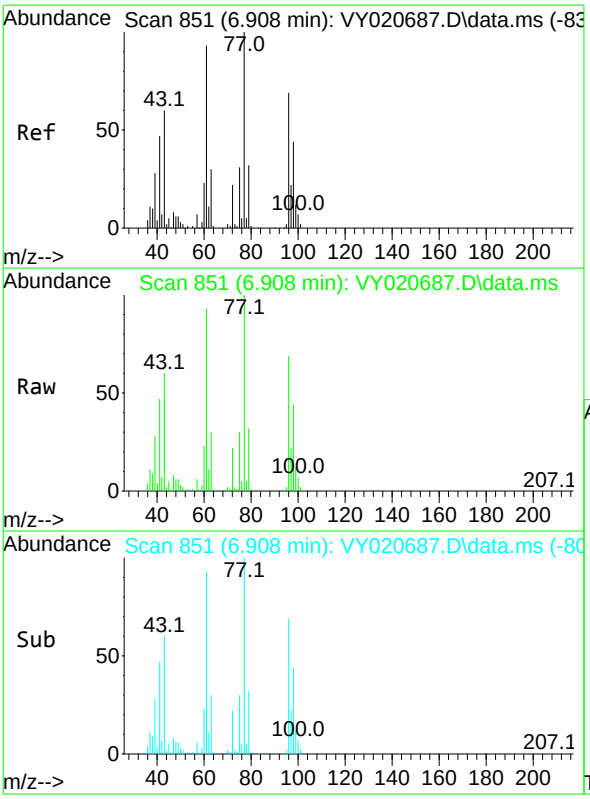


#26
2,2-Dichloropropane
Concen: 53.510 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 77 Resp: 80543

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 55.150 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 96 Resp: 47680

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	306.2
98	65.5	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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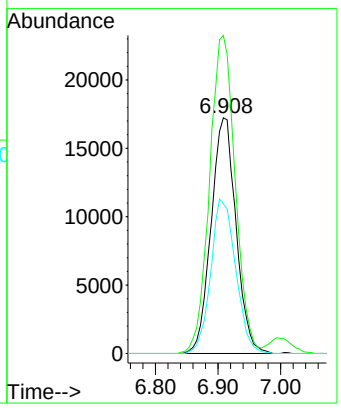
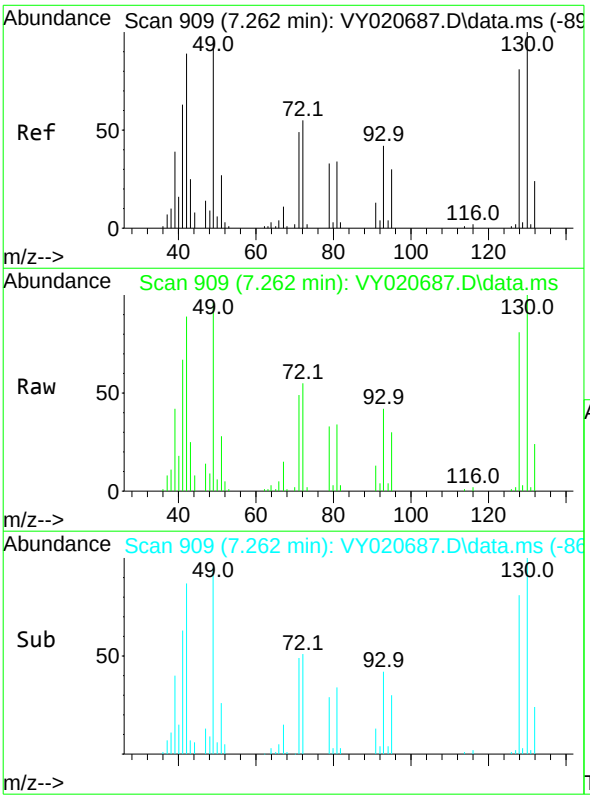
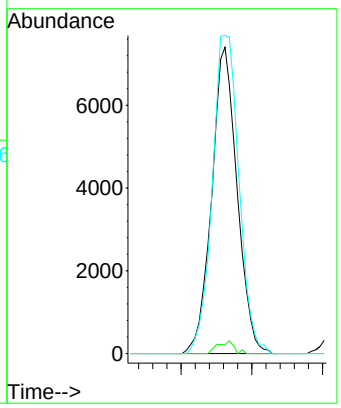


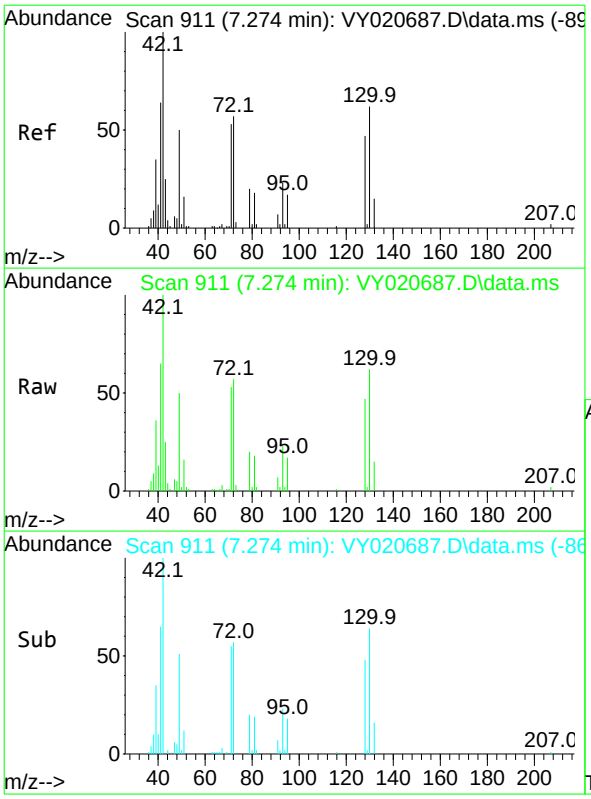


#28
Bromochloromethane
Concen: 51.512 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 49 Resp: 18468

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.8
130	109.0	58.3	87.5#

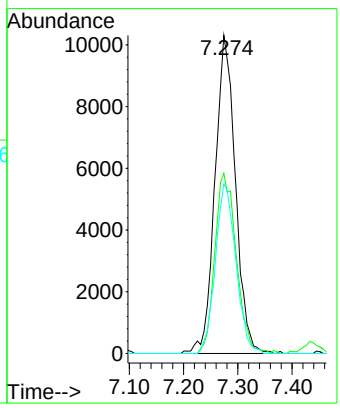




#29
Tetrahydrofuran
Concen: 319.967 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 42 Resp: 26976

Ion	Ratio	Lower	Upper
42	100		
72	59.2	34.0	51.0#
71	53.5	31.6	47.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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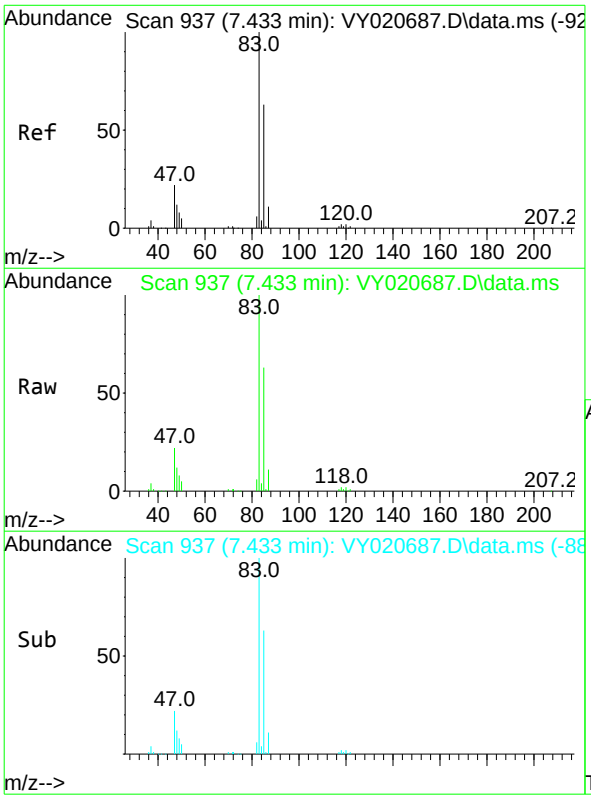
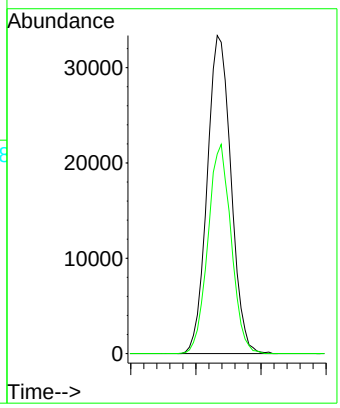
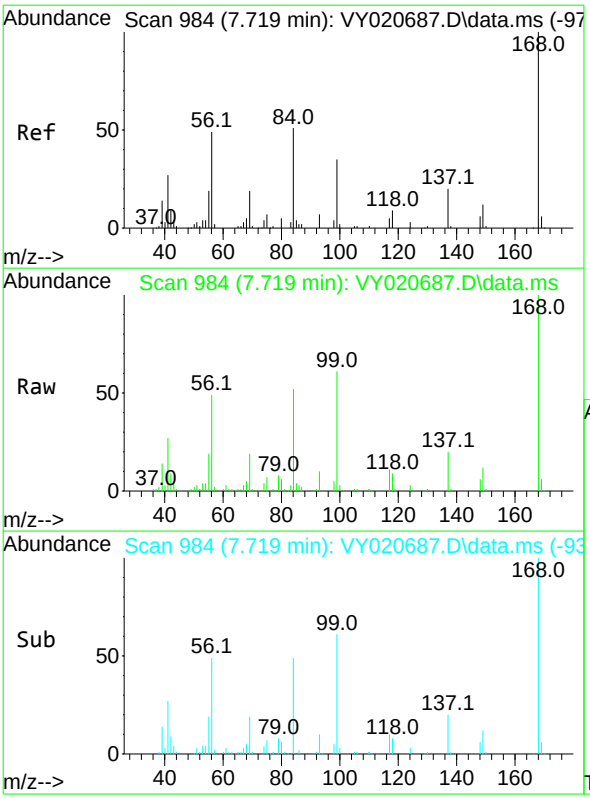


#30
Chloroform
Concen: 53.662 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 83 Resp: 84862

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.7	79.1

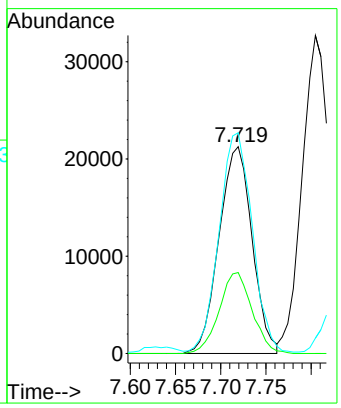




#31
Cyclohexane
Concen: 51.254 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 56 Resp: 54066

Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.4	38.0#
84	104.9	68.3	102.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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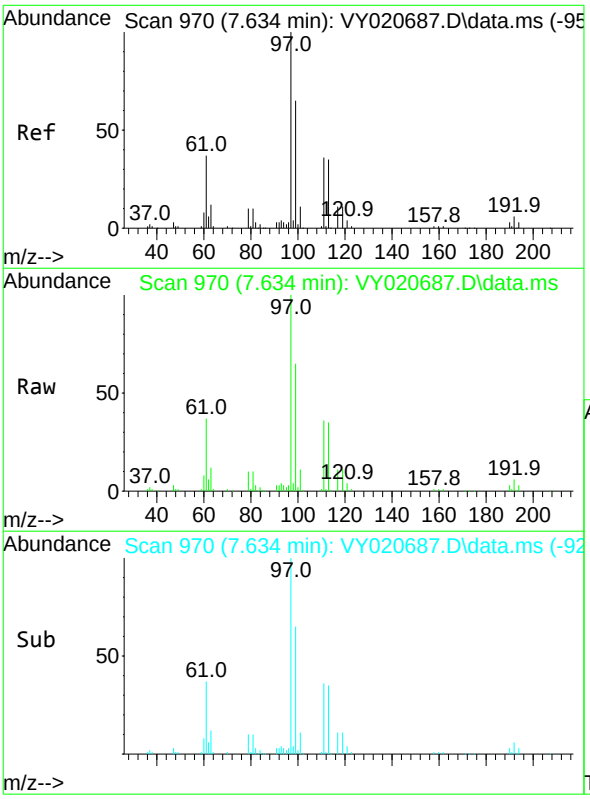
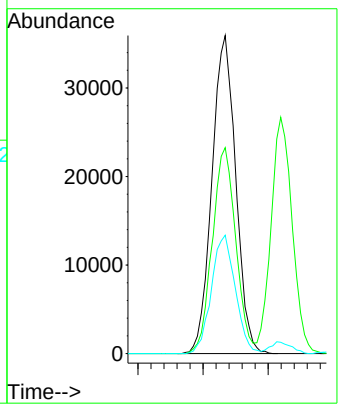
Supervised By :Mahesh Dadoda 12/26/2024

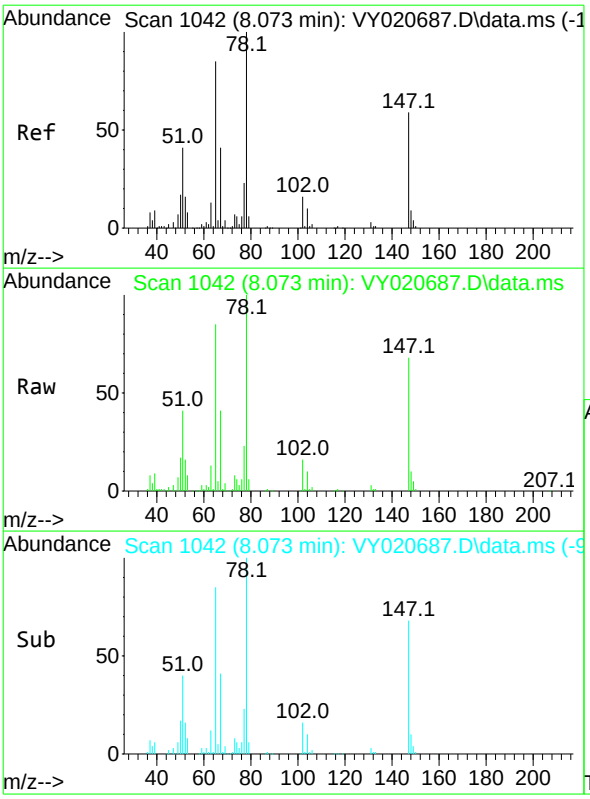


#32
1,1,1-Trichloroethane
Concen: 55.174 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 97 Resp: 91153

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	37.5	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 57.691 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 65 Resp: 51574

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
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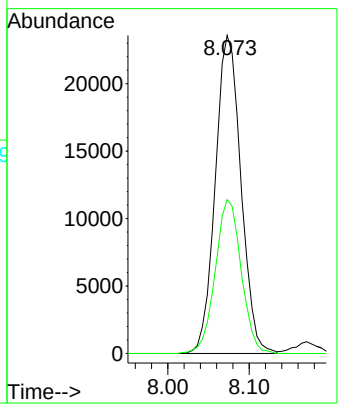
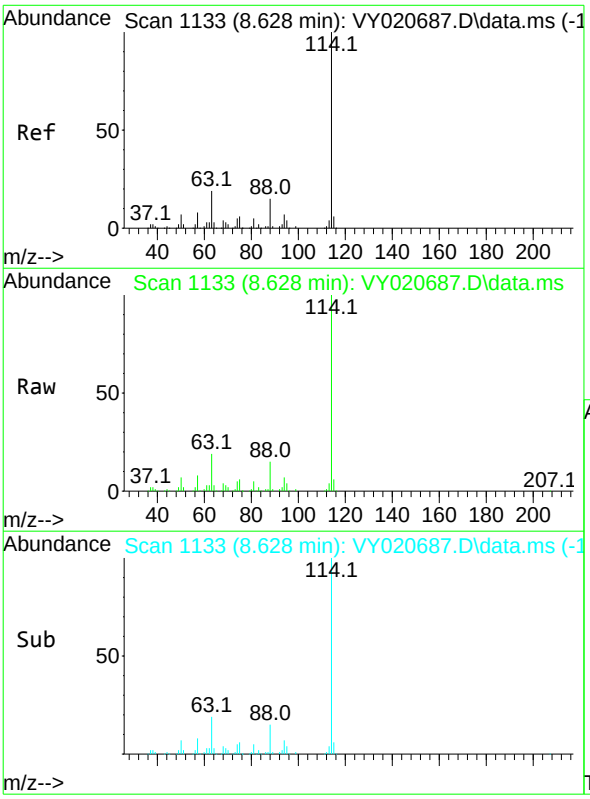
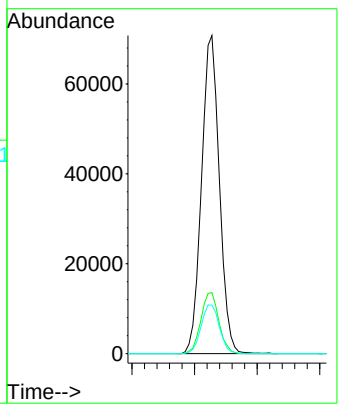


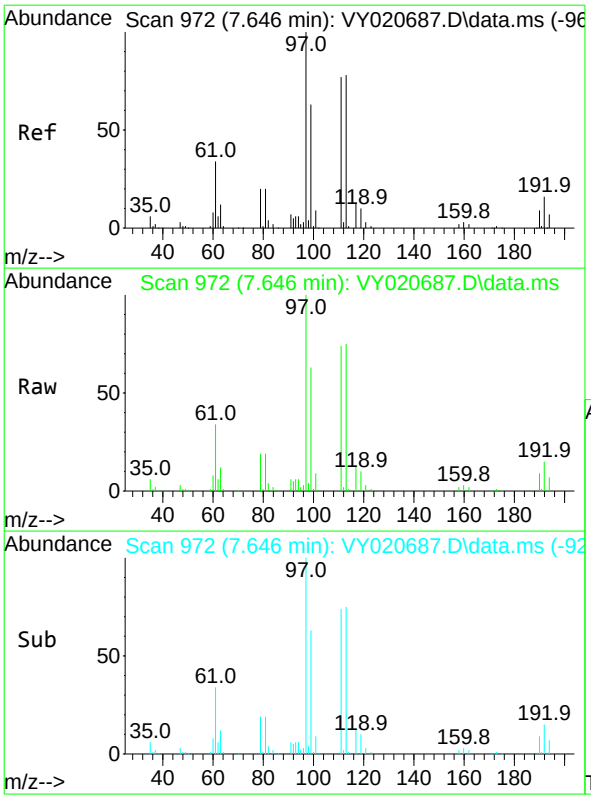


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:114 Resp: 139898

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	44.0
88	15.2	0.0	32.8

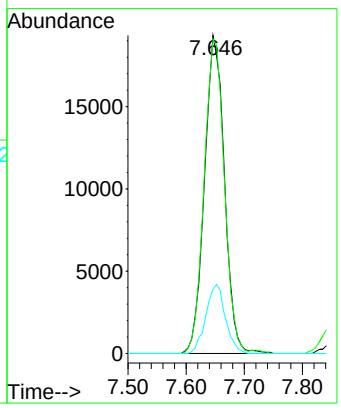




#35
Dibromofluoromethane
Concen: 56.186 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:113 Resp: 46154

Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.9	124.3
192	21.3	15.7	23.5



Instrument :
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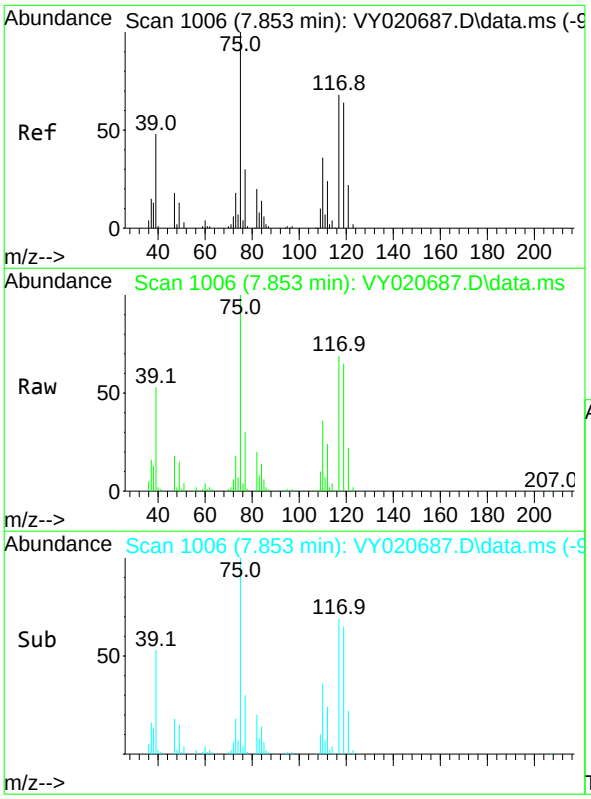
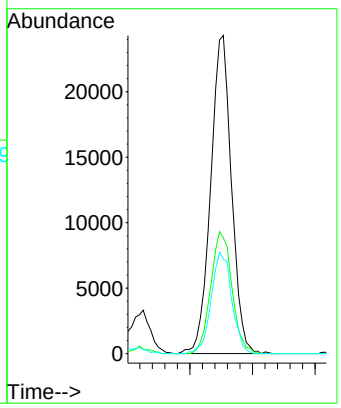
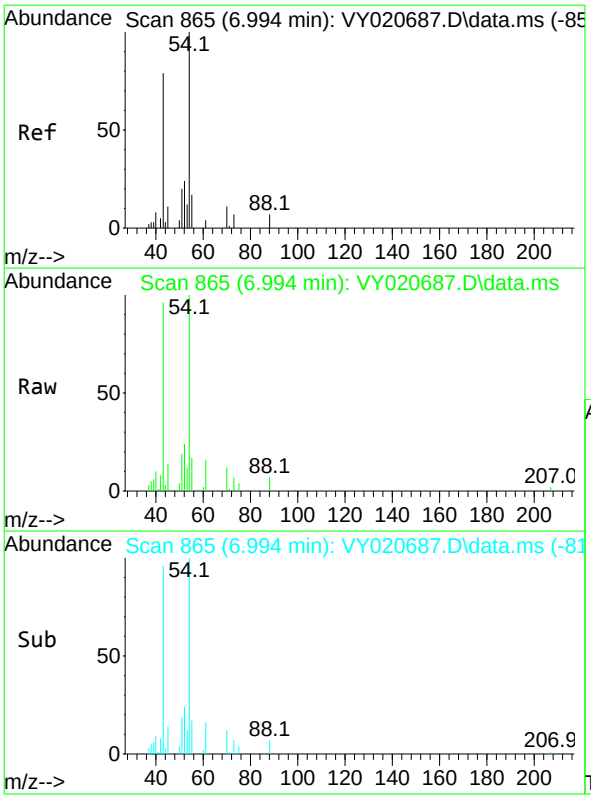


#36
1,1-Dichloropropene
Concen: 56.269 ug/l
RT: 7.853 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 56184

Ion	Ratio	Lower	Upper
75	100		
110	39.1	16.8	50.4
77	31.4	25.0	37.6

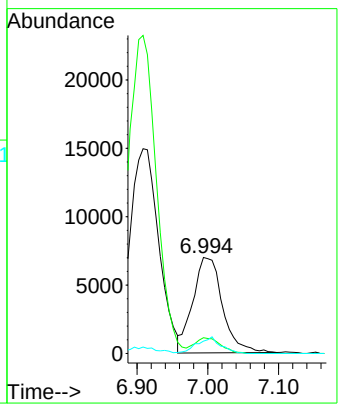




#37
Ethyl Acetate
Concen: 62.332 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 20340

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	13.7	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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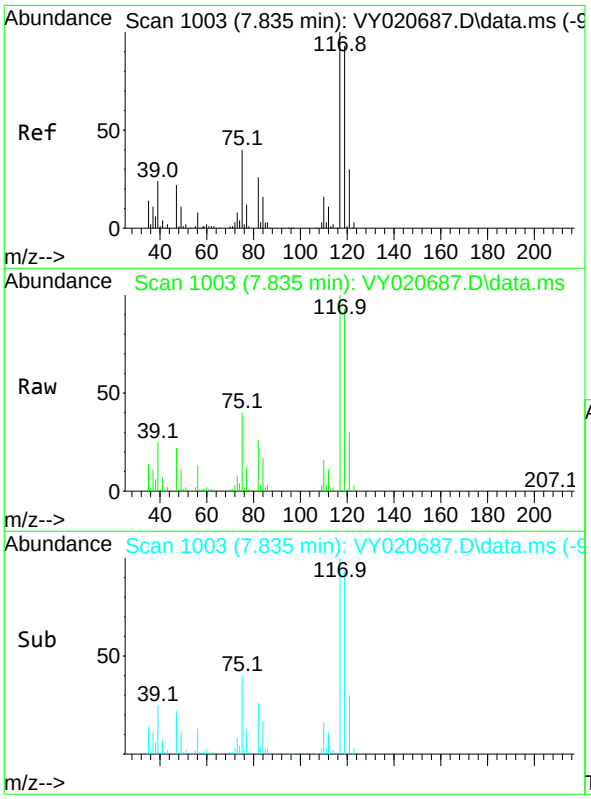
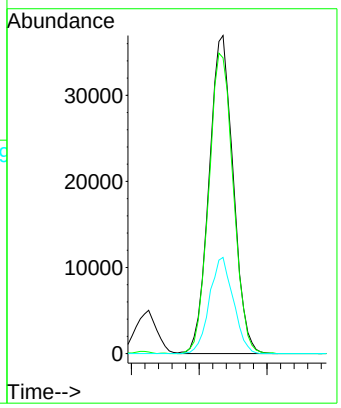
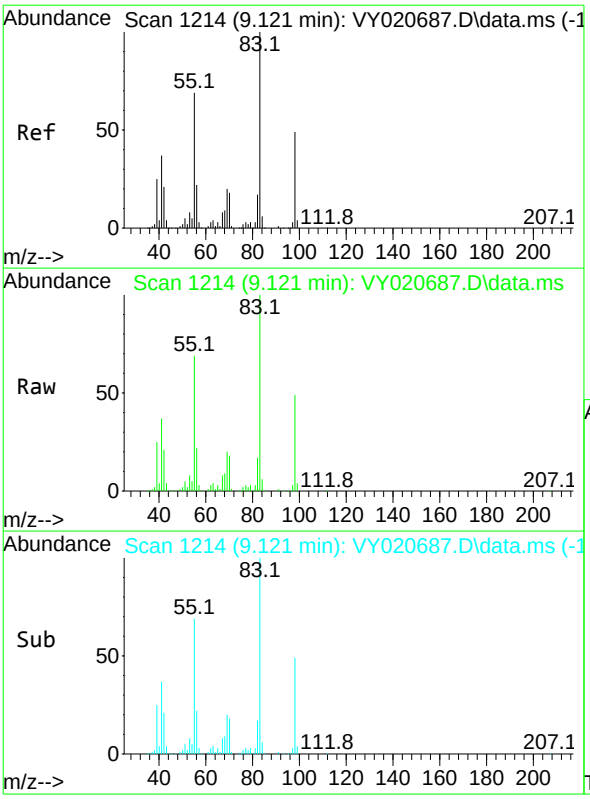


#38
Carbon Tetrachloride
Concen: 56.659 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:117 Resp: 91548

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.3	117.5
121	30.2	25.1	37.7

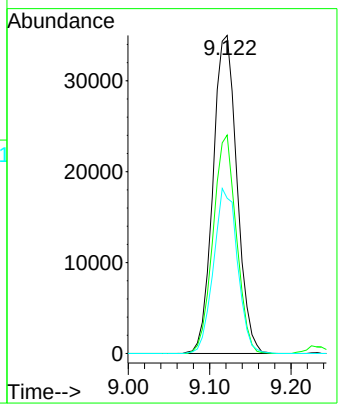




#39
Methylcyclohexane
Concen: 56.429 ug/l
RT: 9.121 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 83 Resp: 71616

Ion	Ratio	Lower	Upper
83	100		
55	68.7	61.4	92.0
98	48.8	37.3	55.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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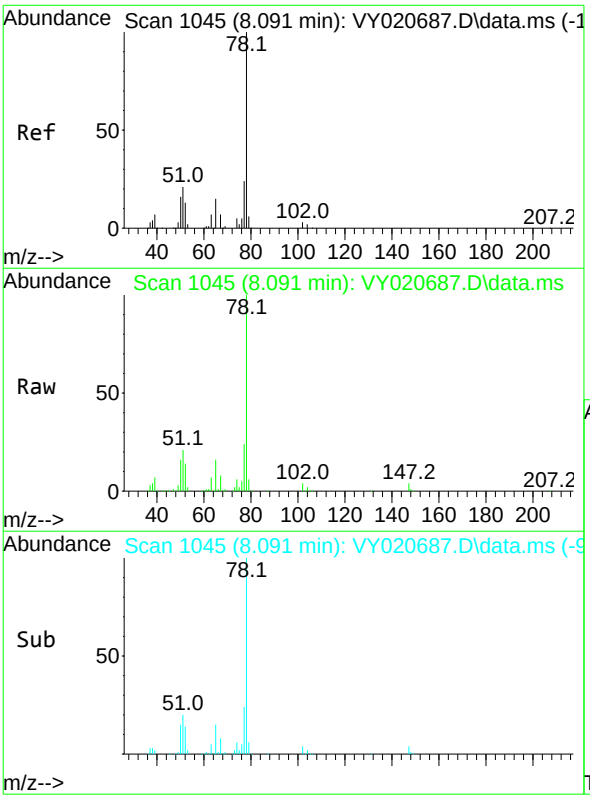
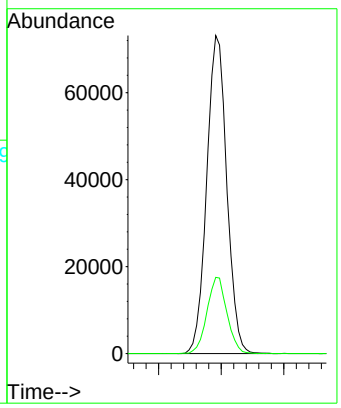
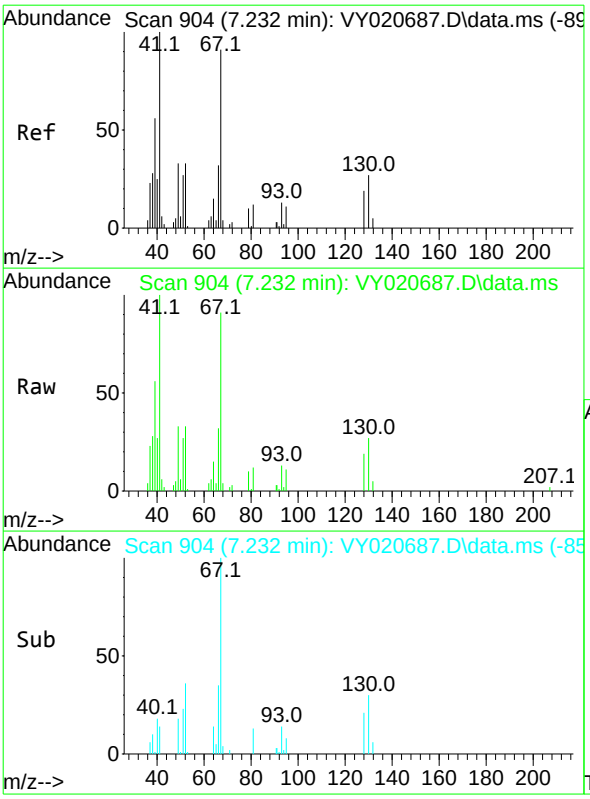


#40
Benzene
Concen: 56.488 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 78 Resp: 162713

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1

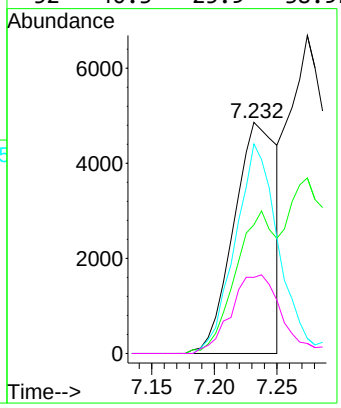




#41
Methacrylonitrile
Concen: 61.814 ug/l
RT: 7.232 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 41 Resp: 11416

Ion	Ratio	Lower	Upper
41	100		
39	58.3	53.6	80.4
67	93.4	62.0	93.0#
52	40.3	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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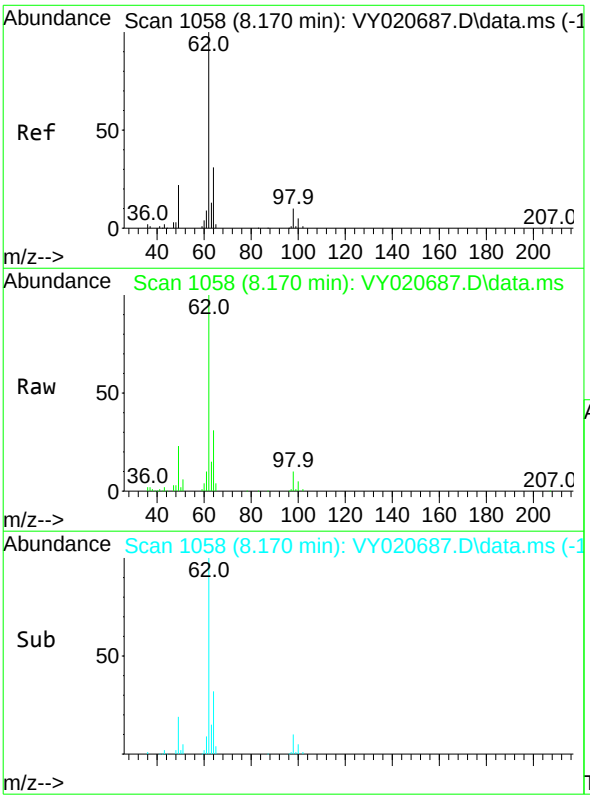
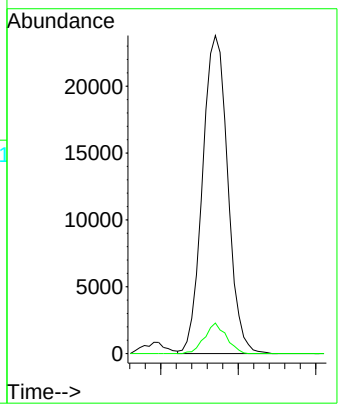
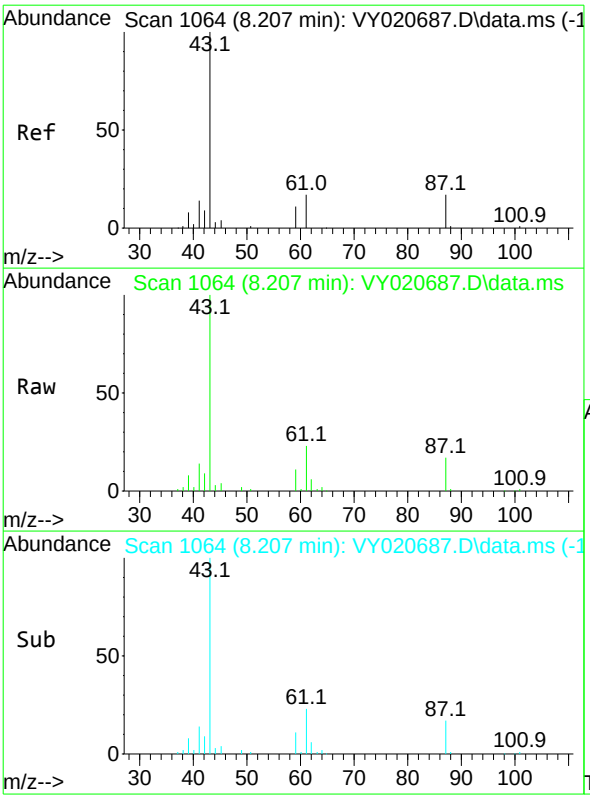


#42
1,2-Dichloroethane
Concen: 58.683 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 62 Resp: 53759

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.0

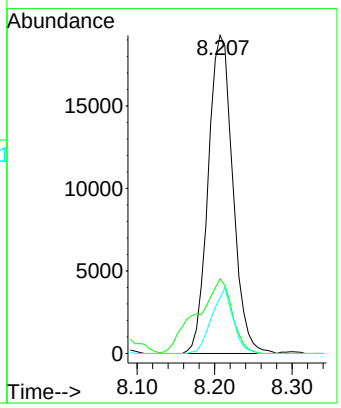




#43
Isopropyl Acetate
Concen: 62.581 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 42444

Ion	Ratio	Lower	Upper
43	100		
61	33.7	23.8	35.6
87	17.8	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
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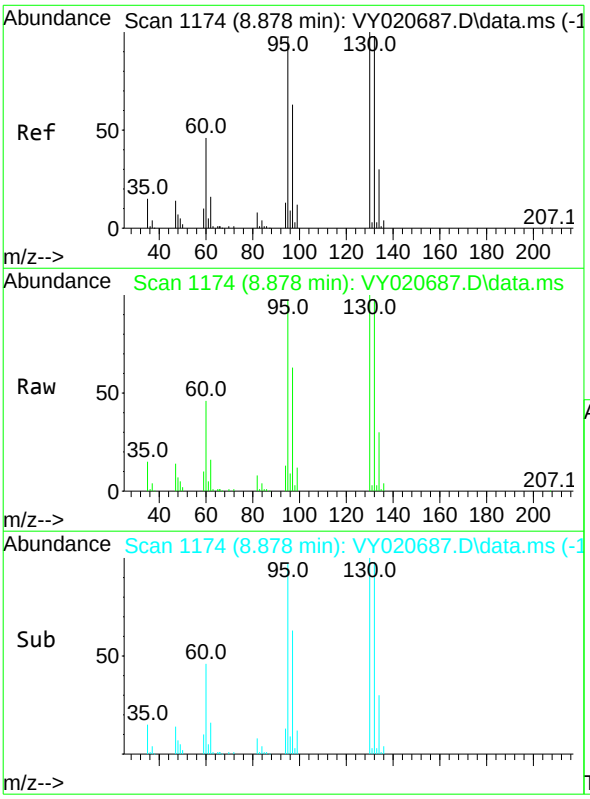
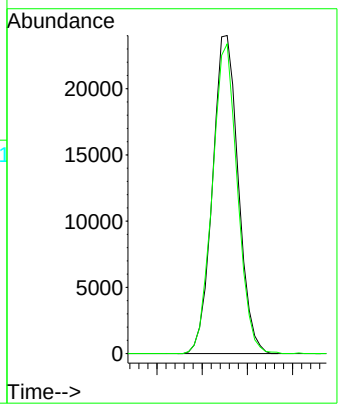
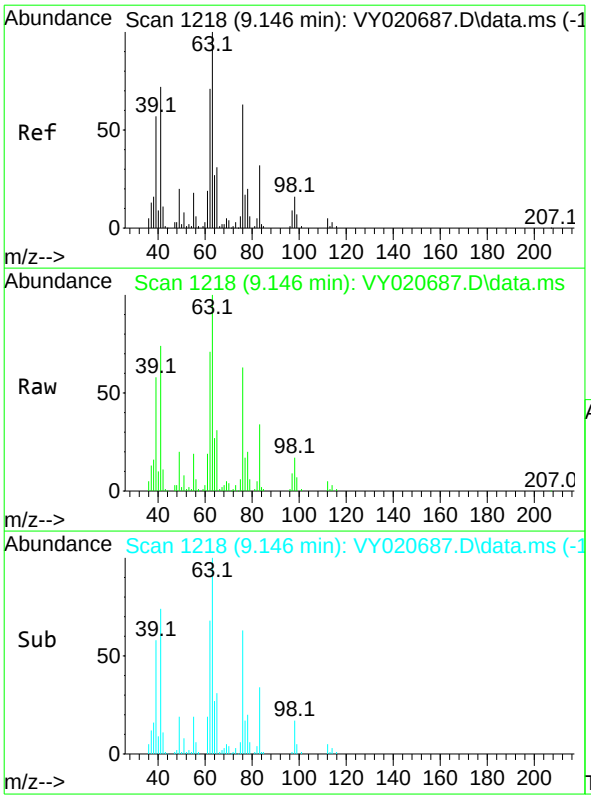


#44
Trichloroethene
Concen: 55.530 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:130 Resp: 47471

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	203.2

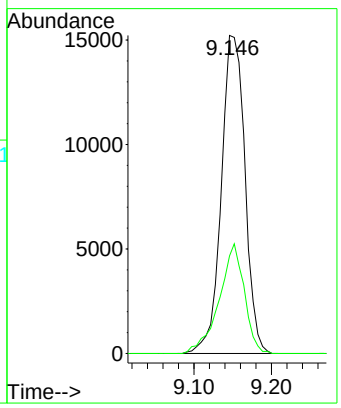




#45
1,2-Dichloropropane
Concen: 57.090 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 63 Resp: 32310

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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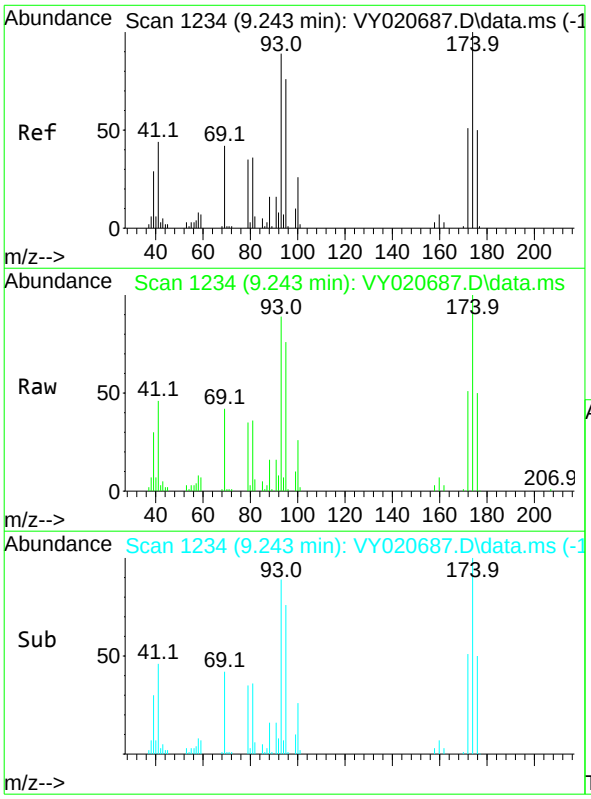
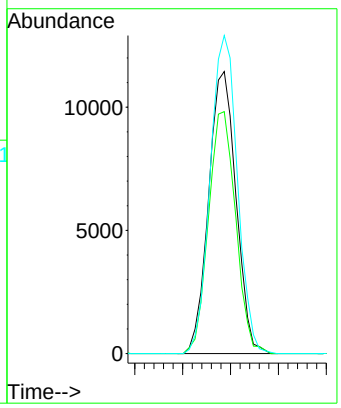
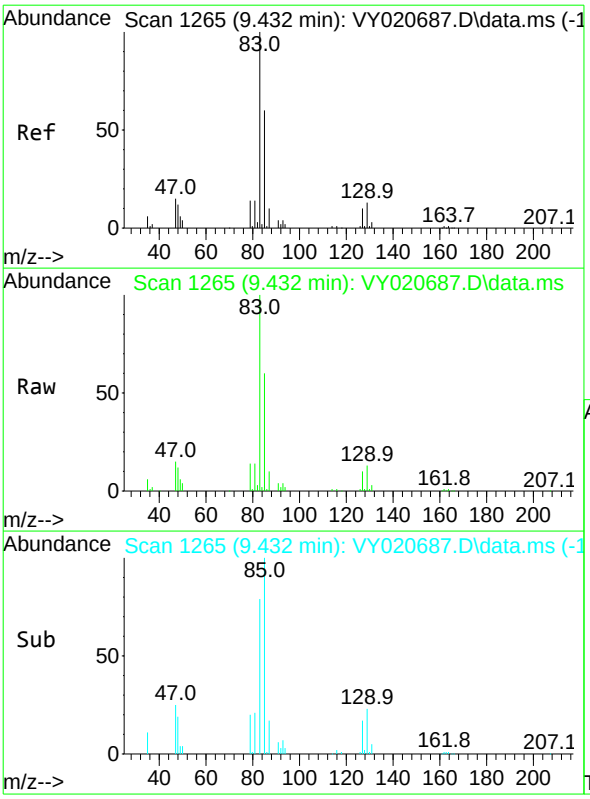


#46
Dibromomethane
Concen: 58.307 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 93 Resp: 22781

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	111.7	77.8	116.6

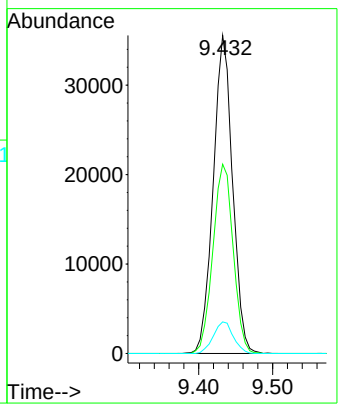




#47
Bromodichloromethane
Concen: 58.206 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 83 Resp: 64511

Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.1	78.1
127	9.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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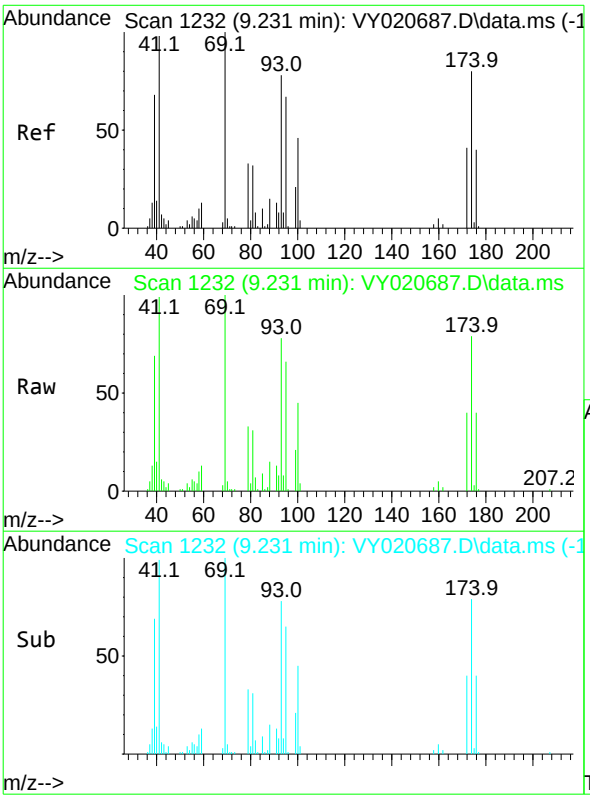
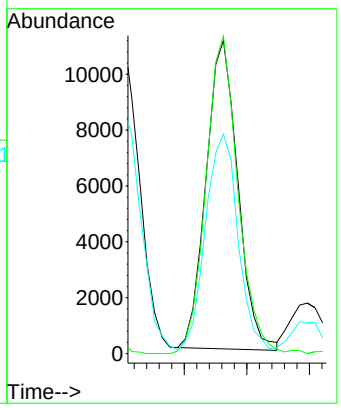
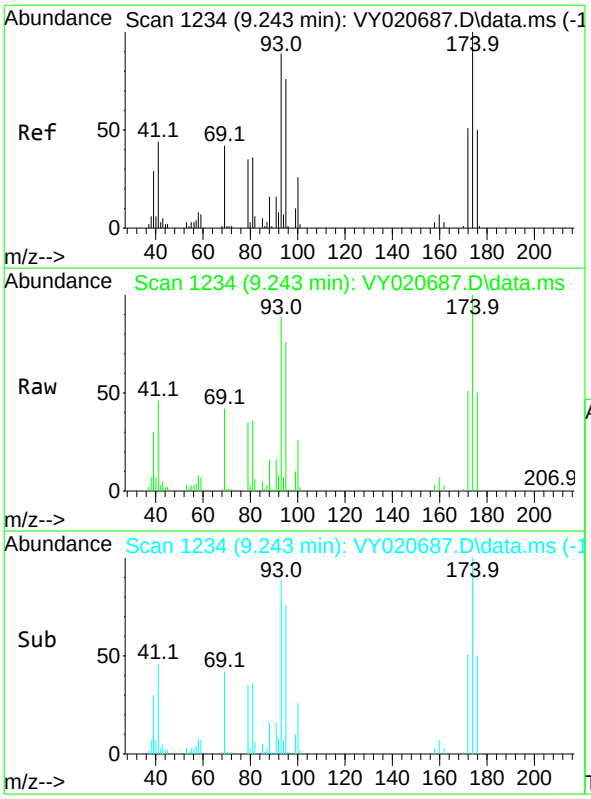


#48
Methyl methacrylate
Concen: 60.325 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 41 Resp: 19395

Ion	Ratio	Lower	Upper
41	100		
69	103.9	67.2	100.8#
39	71.6	42.2	63.4#





#49
1,4-Dioxane
Concen: 1263.038 ug/l
RT: 9.243 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 88 Resp: 5175

Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.6	41.4#
58	58.4	61.7	92.5#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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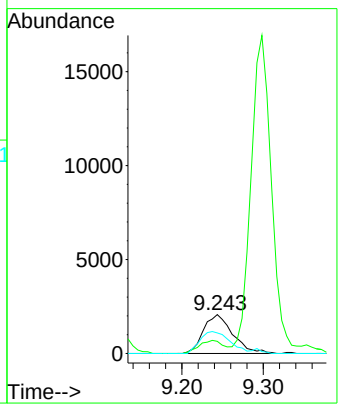
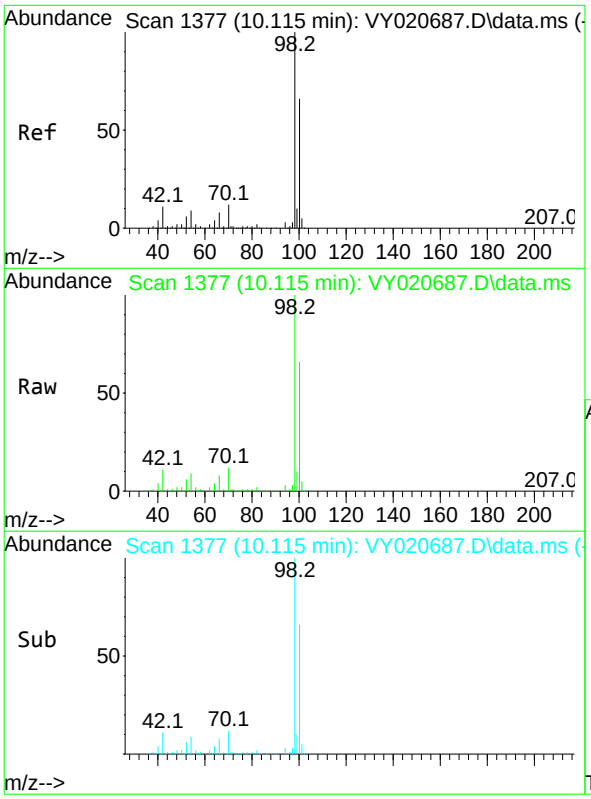
Supervised By :Mahesh Dadoda 12/26/2024

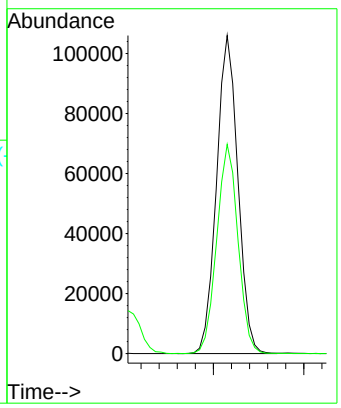


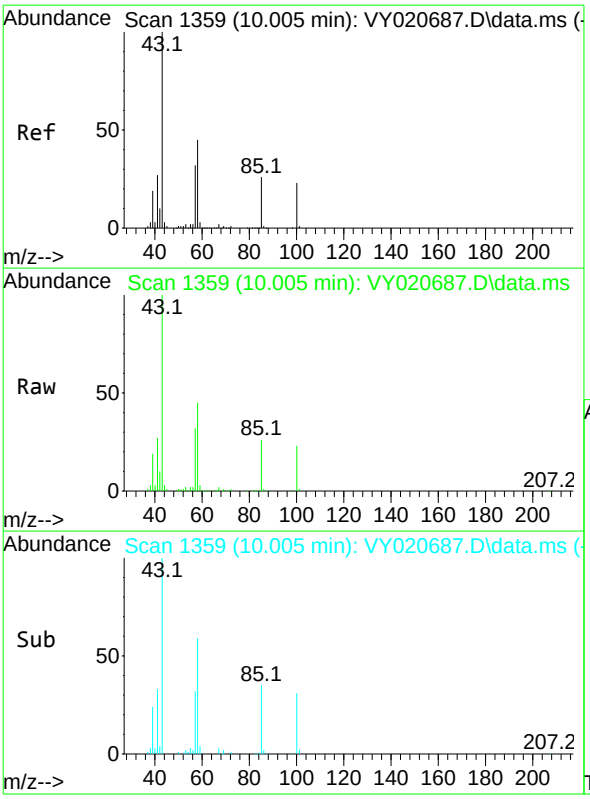


#50
Toluene-d8
Concen: 58.320 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 98 Resp: 174000

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

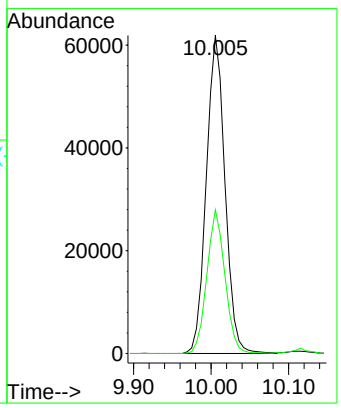




#51
4-Methyl-2-Pentanone
Concen: 305.637 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 103549

Ion	Ratio	Lower	Upper
43	100		
58	43.9	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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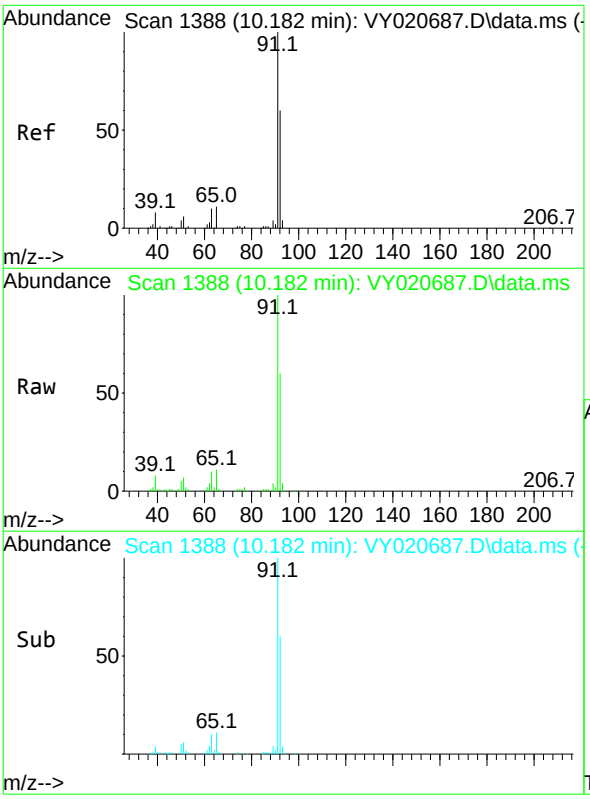
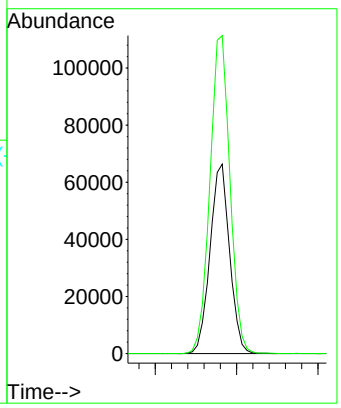
Supervised By :Mahesh Dadoda 12/26/2024

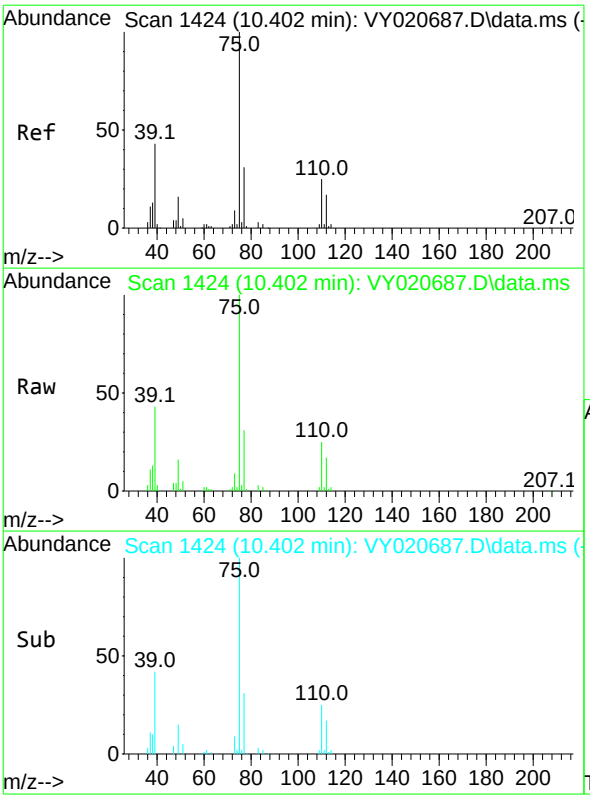


#52
Toluene
Concen: 56.472 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 92 Resp: 110772

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.0

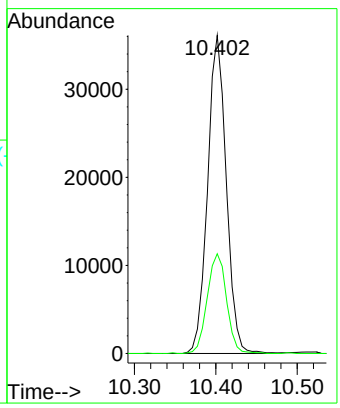




#53
t-1,3-Dichloropropene
Concen: 58.656 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 57524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2



Instrument :
MSVOA_Y
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VSTDICCC050

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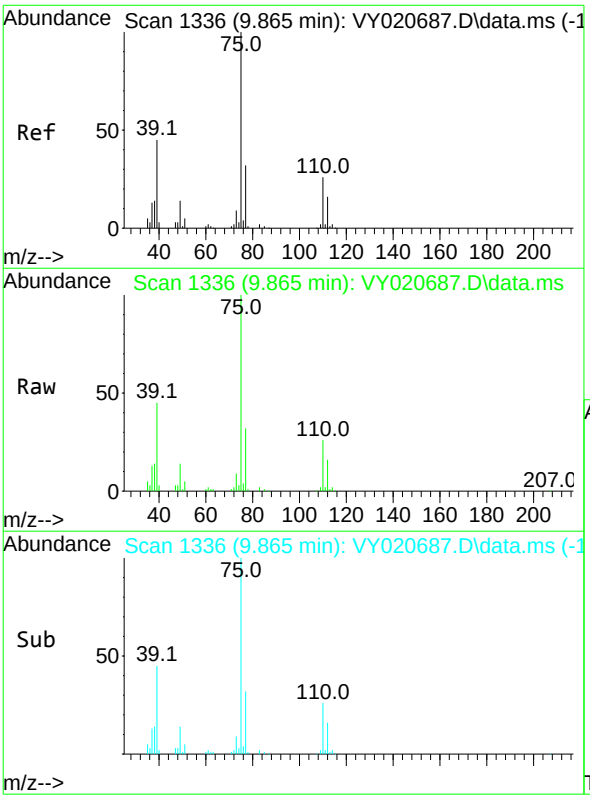
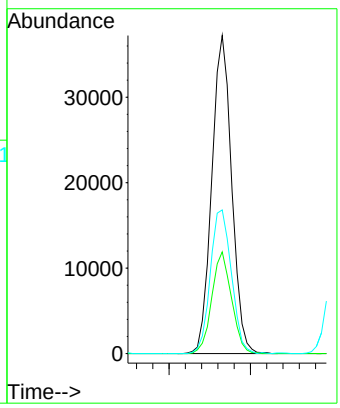
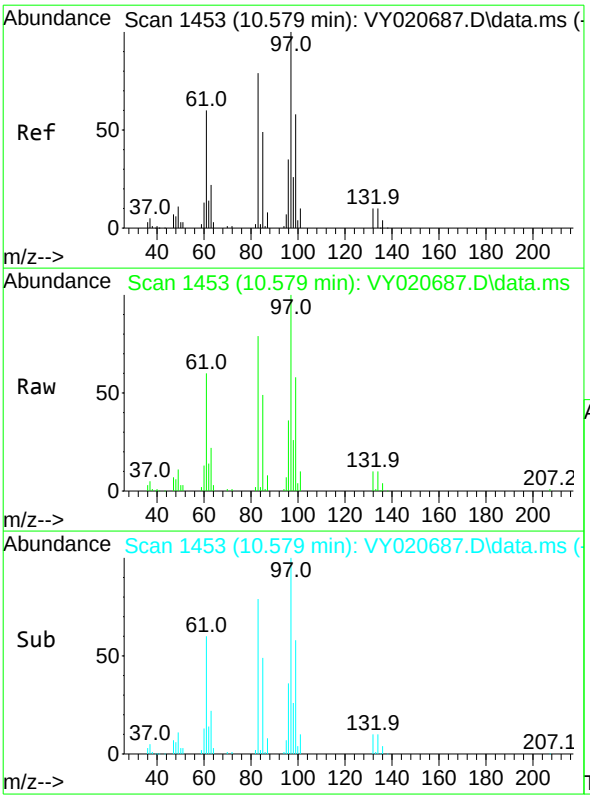


#54
cis-1,3-Dichloropropene
Concen: 58.506 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 63223

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	45.2	36.4	54.6

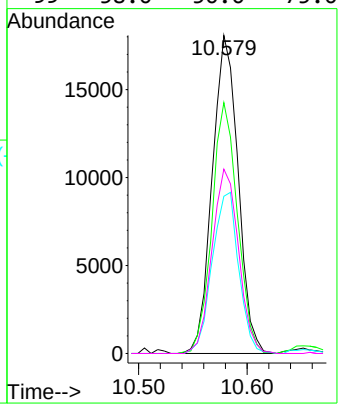




#55
1,1,2-Trichloroethane
Concen: 59.166 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 97 Resp: 29932

Ion	Ratio	Lower	Upper
97	100		
83	78.9	70.4	105.6
85	49.4	47.2	70.8
99	58.0	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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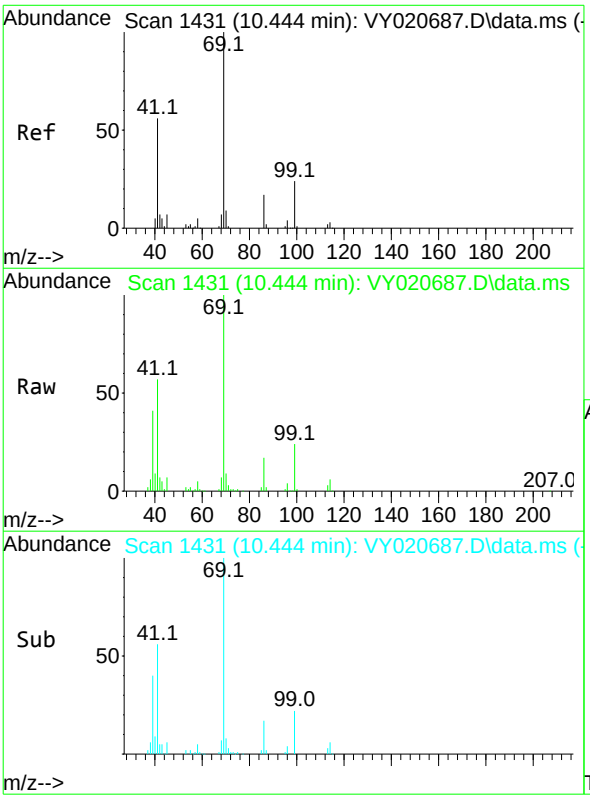
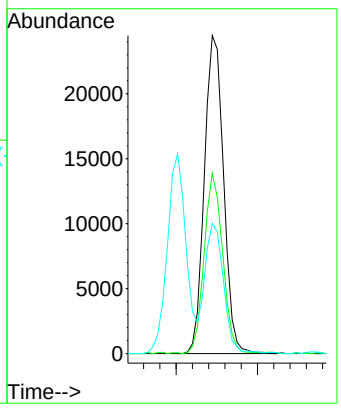
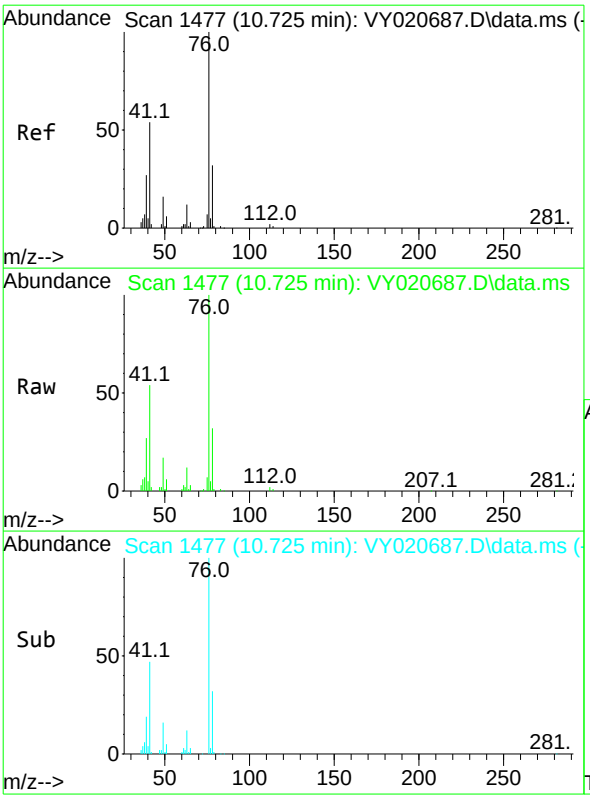


#56
Ethyl methacrylate
Concen: 62.210 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 69 Resp: 40146

Ion	Ratio	Lower	Upper
69	100		
41	54.7	54.0	81.0
39	40.0	27.9	41.9

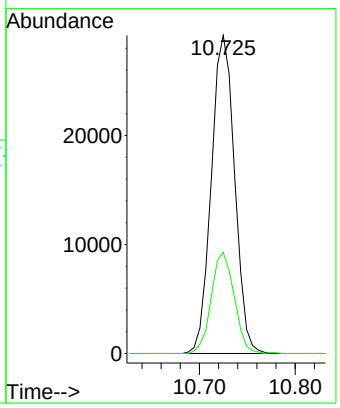




#57
1,3-Dichloropropane
Concen: 59.693 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 76 Resp: 49363

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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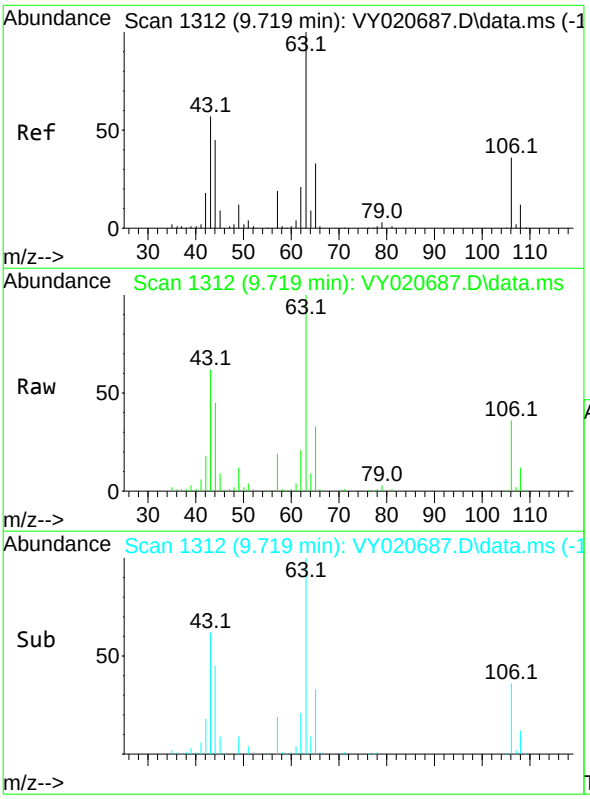
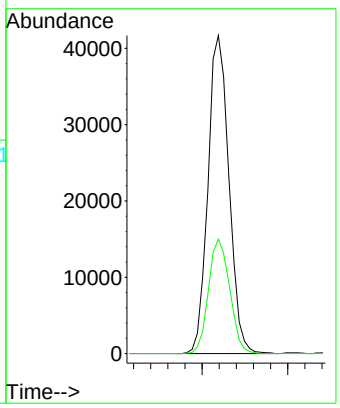
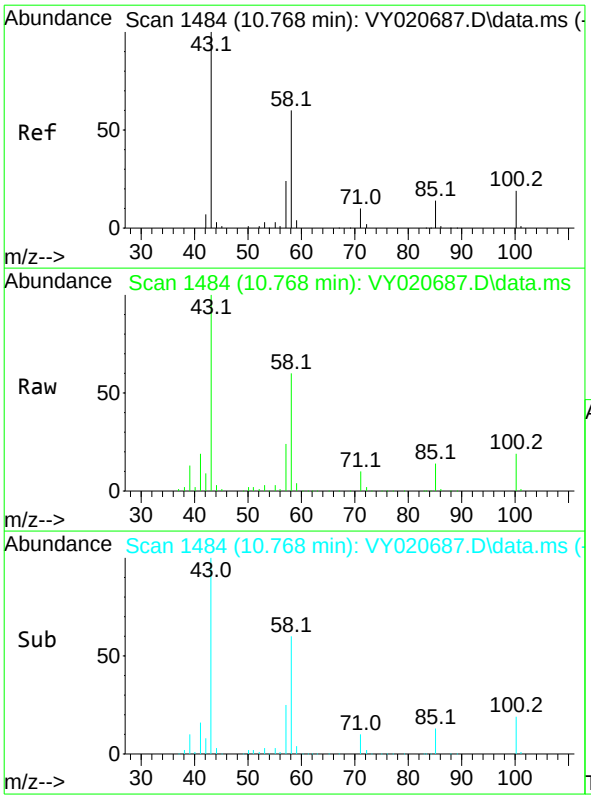


#58
2-Chloroethyl Vinyl ether
Concen: 293.980 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 63 Resp: 70894

Ion	Ratio	Lower	Upper
63	100		
106	36.4	21.5	32.3#

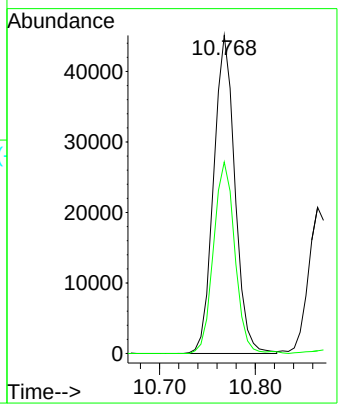




#59
2-Hexanone
Concen: 323.304 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 69770

Ion	Ratio	Lower	Upper
43	100		
58	60.3	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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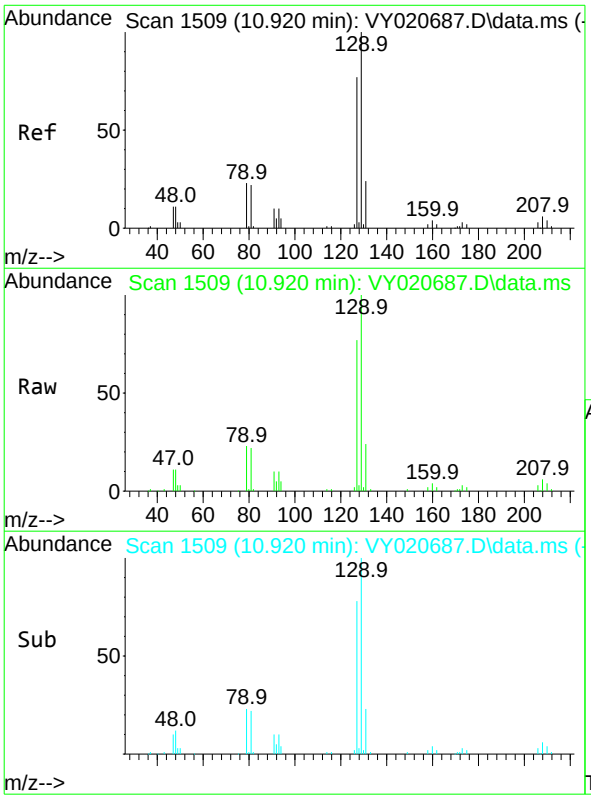
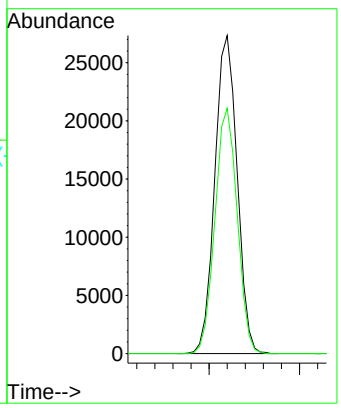
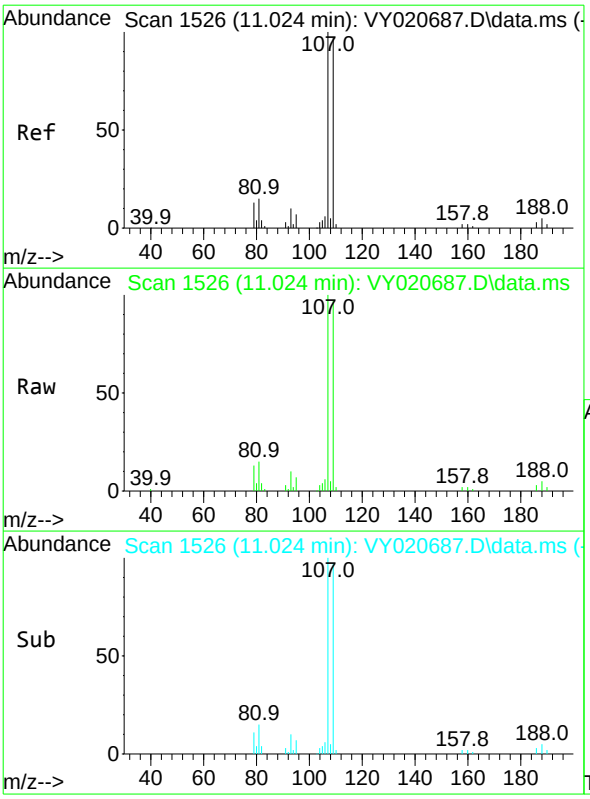


#60
Dibromochloromethane
Concen: 58.055 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:129 Resp: 46892

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3





#61
1,2-Dibromoethane
Concen: 59.909 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:107 Resp: 28413

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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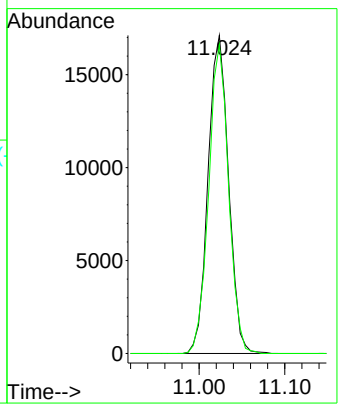
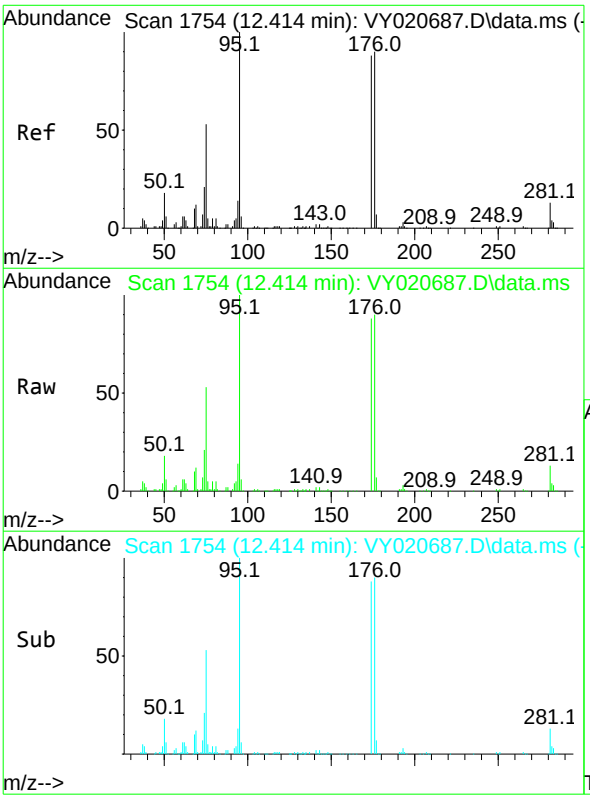
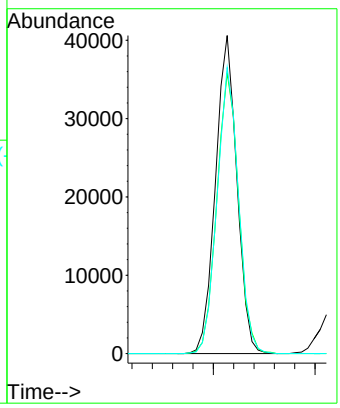


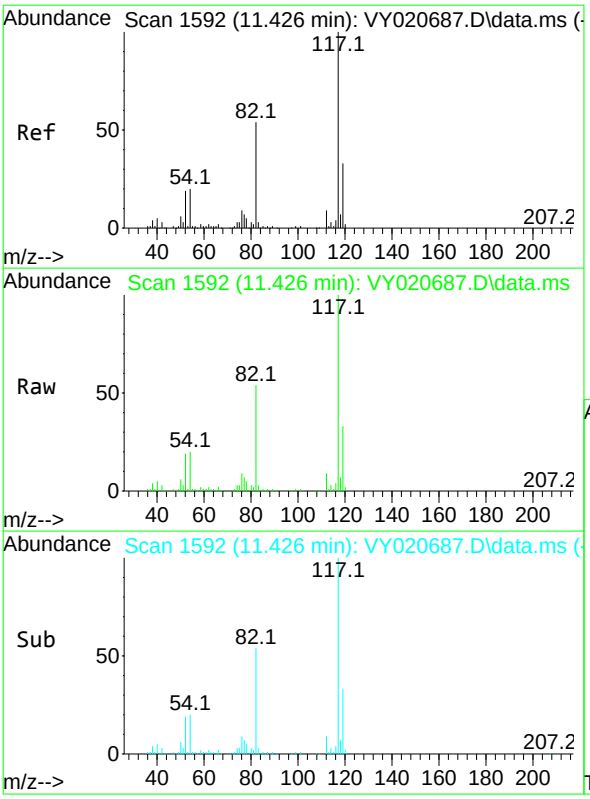


#62
4-Bromofluorobenzene
Concen: 54.687 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 95 Resp: 59386

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	161.8
176	89.9	0.0	156.6

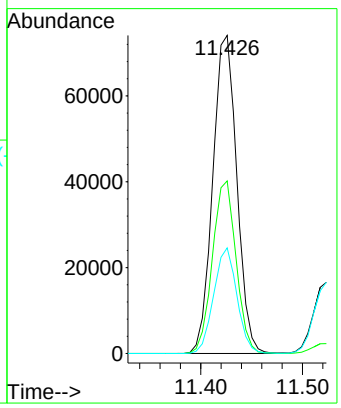




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:117 Resp: 121636

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.8	68.6
119	33.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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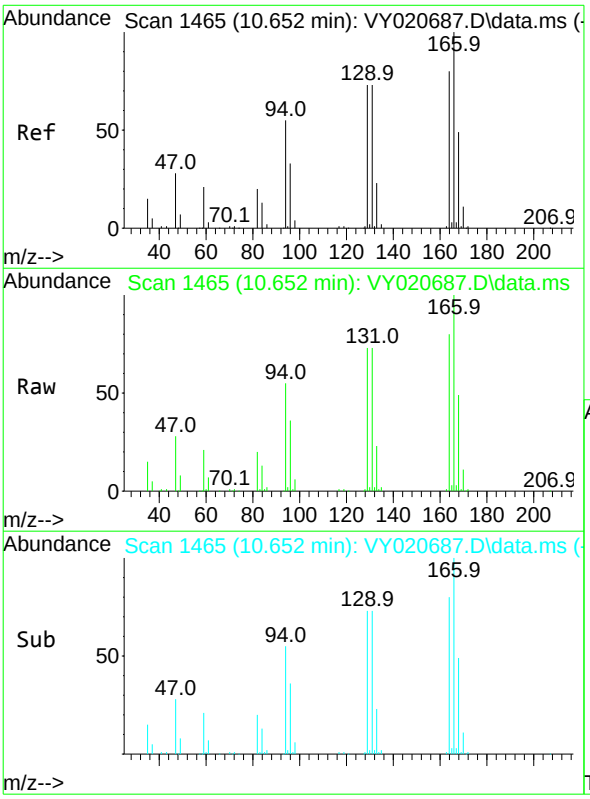
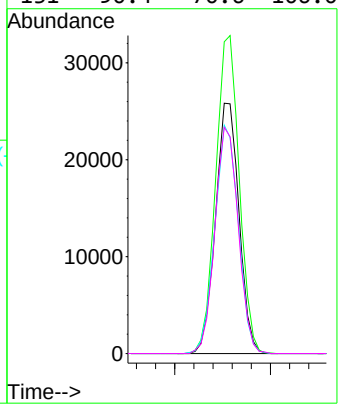
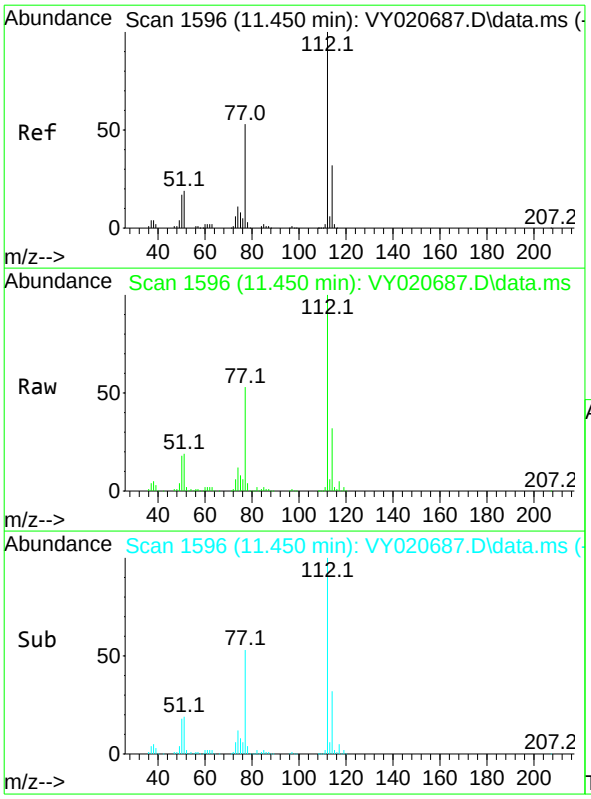


#64
Tetrachloroethene
Concen: 54.535 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:164 Resp: 44055

Ion	Ratio	Lower	Upper
164	100		
166	124.5	97.9	146.9
129	91.2	73.4	110.0
131	90.4	70.6	106.0





#65
Chlorobenzene
Concen: 54.695 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:112 Resp: 124322

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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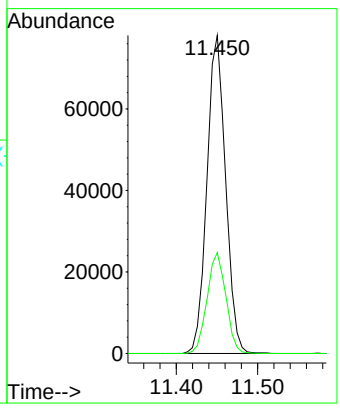
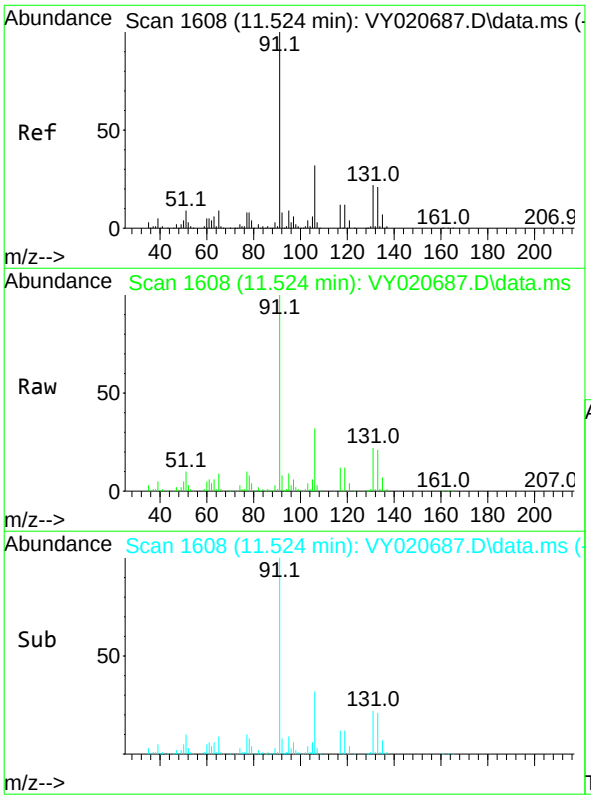
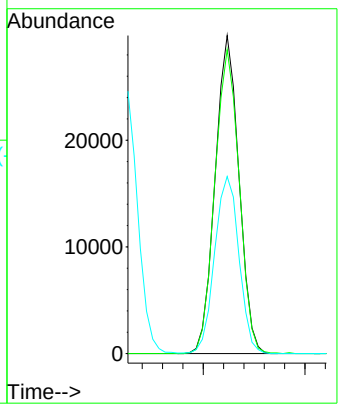


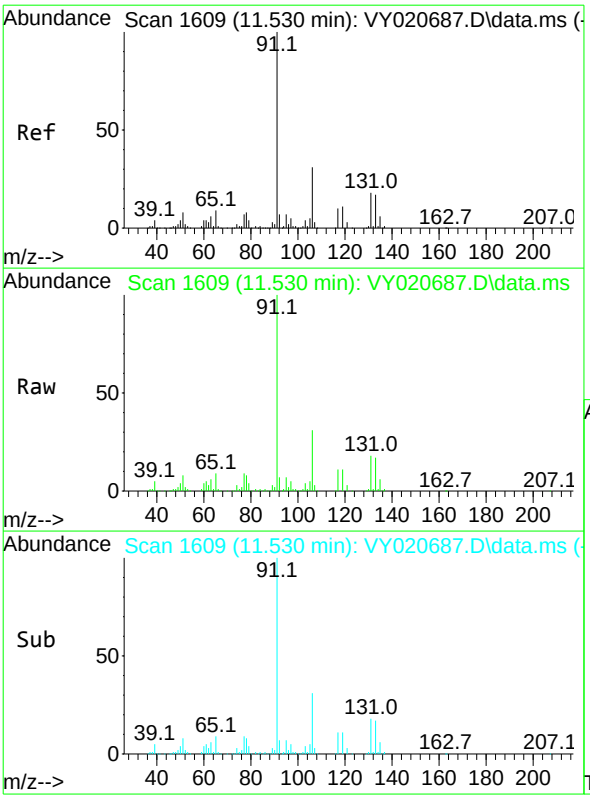


#66
1,1,1,2-Tetrachloroethane
Concen: 54.608 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:131 Resp: 48471

Ion	Ratio	Lower	Upper
131	100		
133	97.3	46.8	140.3
119	56.9	31.8	95.3





#67
Ethyl Benzene
Concen: 54.902 ug/l
RT: 11.530 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 223894

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.9	35.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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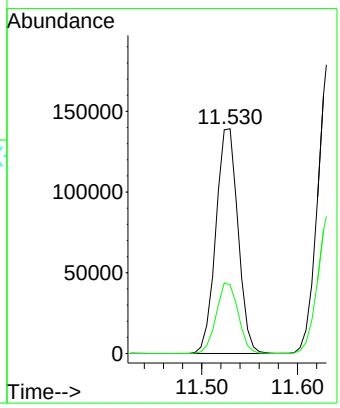
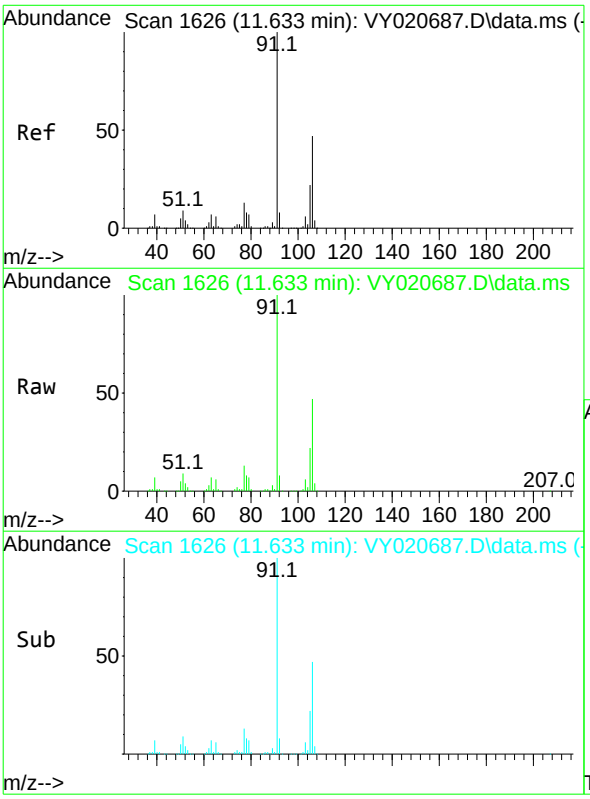
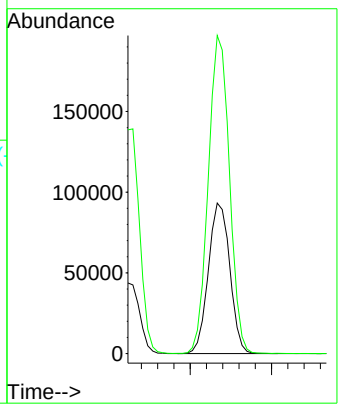


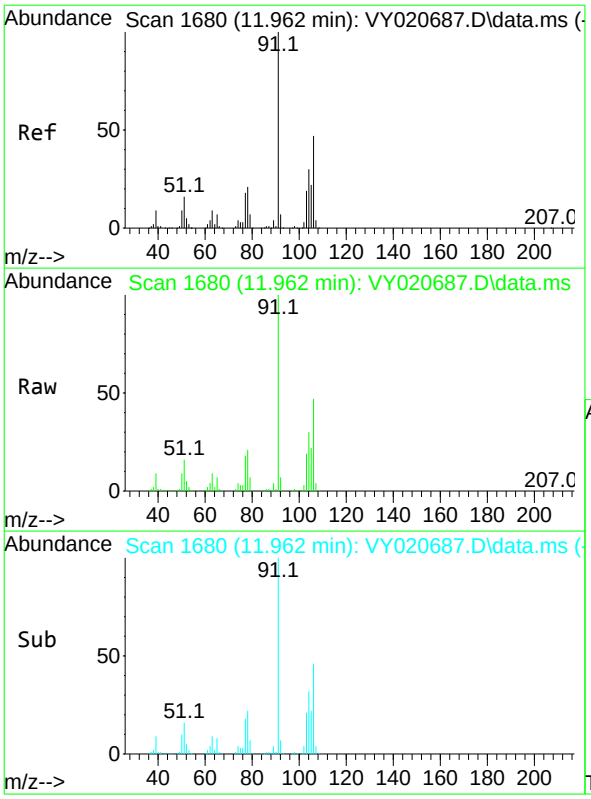


#68
m/p-Xylenes
Concen: 109.956 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:106 Resp: 170991

Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.0	247.4

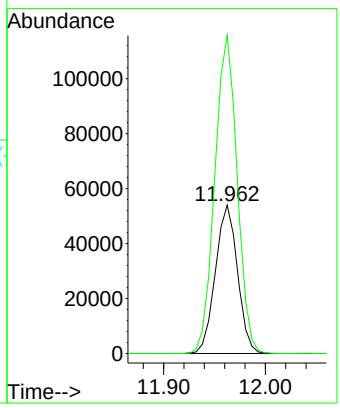




#69
o-Xylene
Concen: 55.771 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:106 Resp: 81469

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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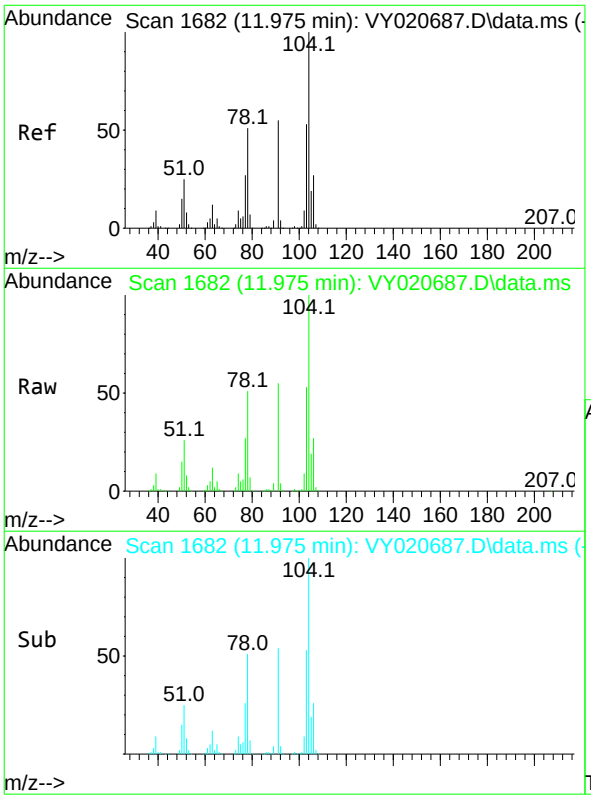
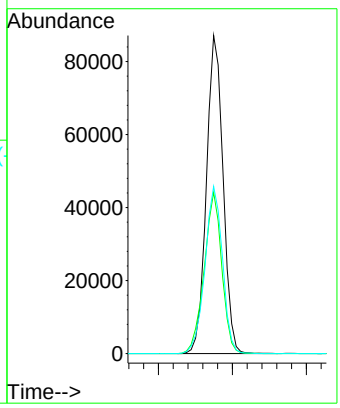
Supervised By :Mahesh Dadoda 12/26/2024

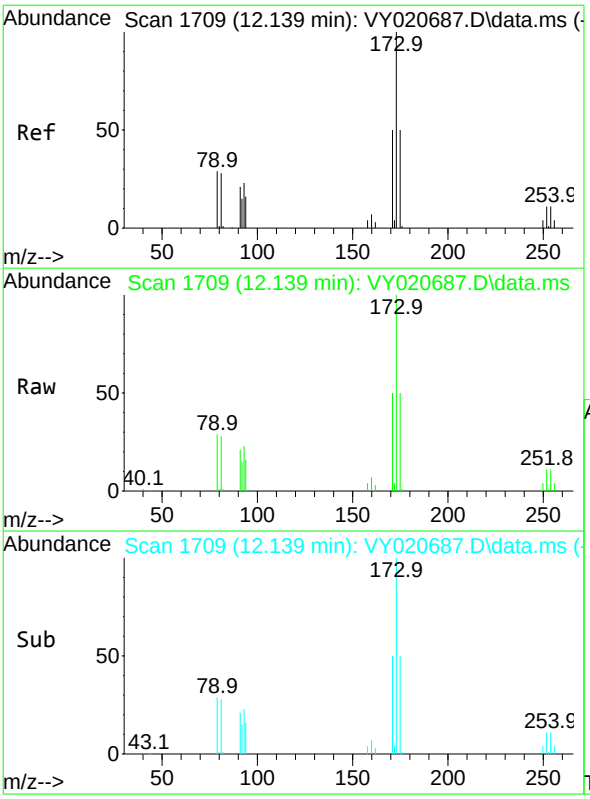


#70
Styrene
Concen: 55.416 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:104 Resp: 136156

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.6	62.4
103	55.5	43.7	65.5





#71
Bromoform
Concen: 59.159 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 30077

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

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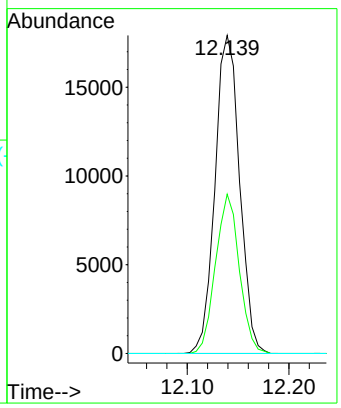
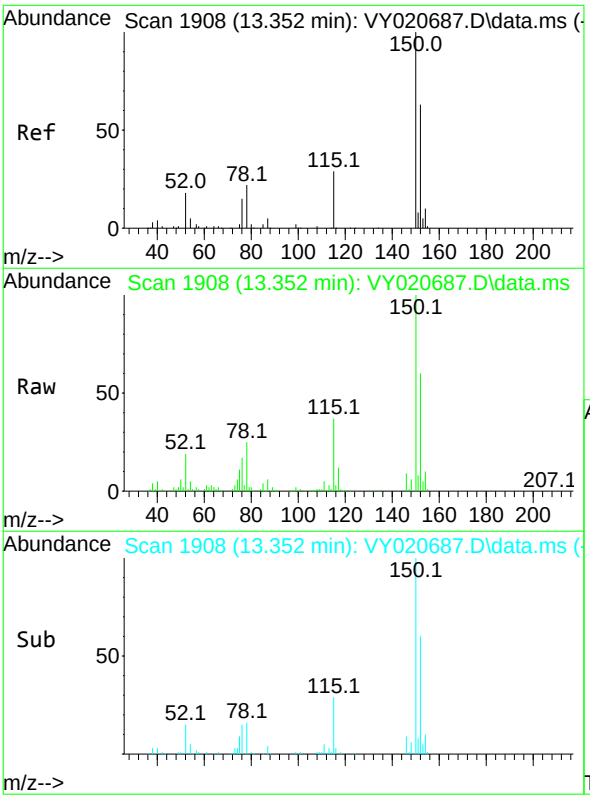
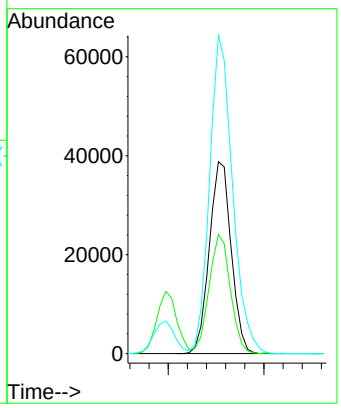


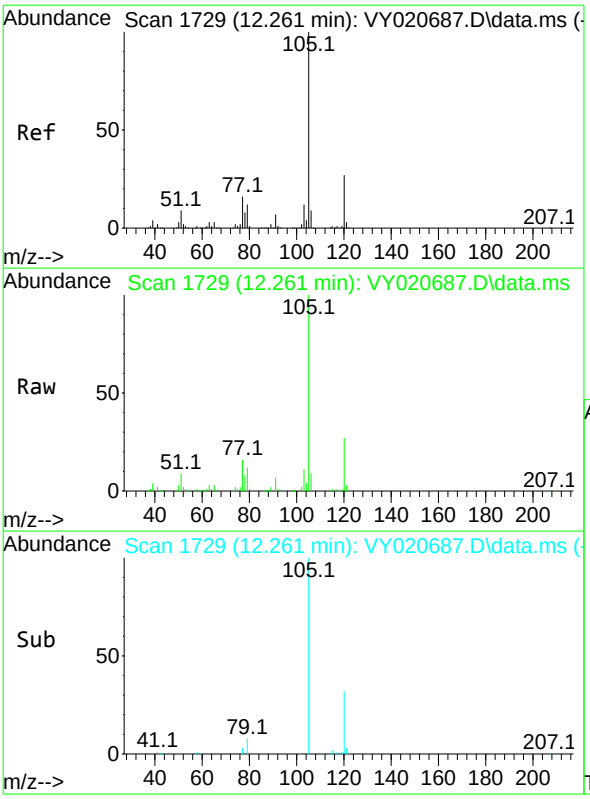


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:152 Resp: 61579

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.2	90.6
150	174.5	0.0	355.4

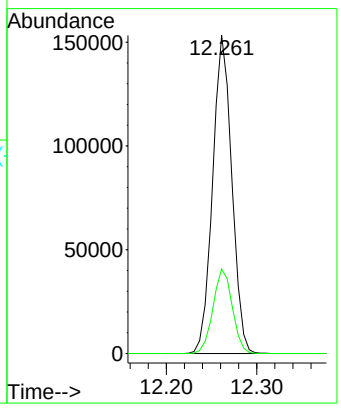




#73
Isopropylbenzene
Concen: 53.916 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 225831

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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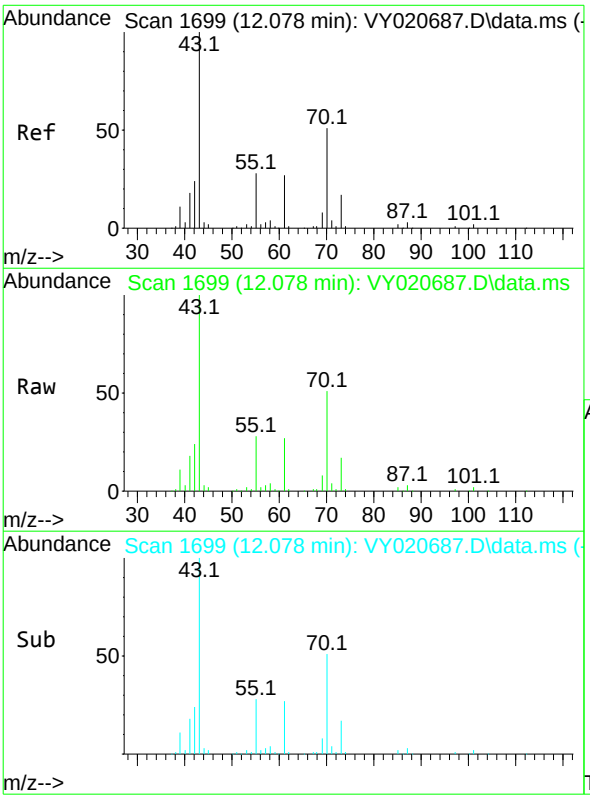
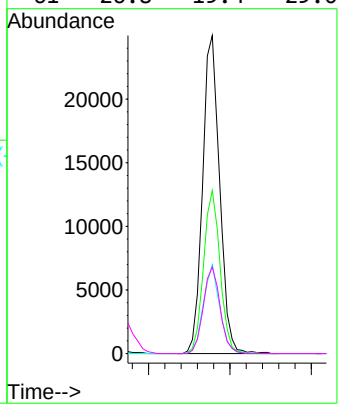
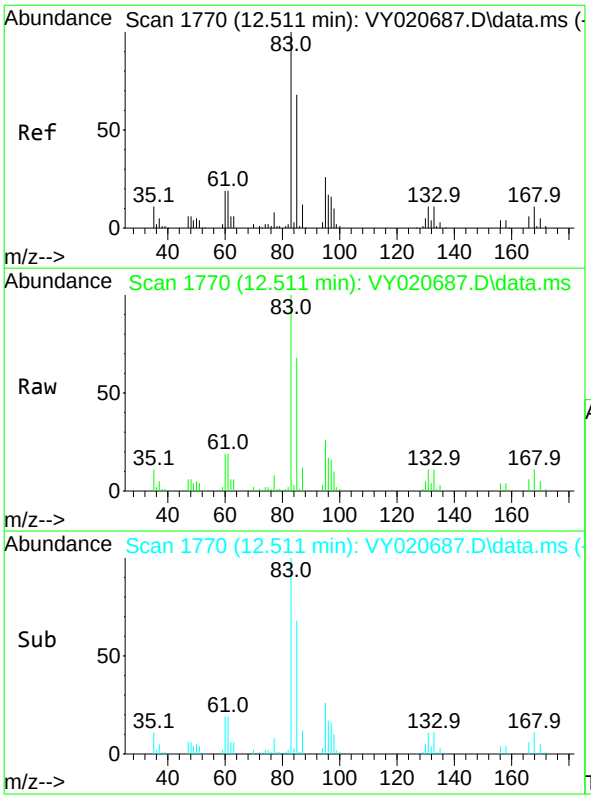


#74
N-amyl acetate
Concen: 61.787 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 36365

Ion	Ratio	Lower	Upper
43	100		
70	49.6	34.2	51.2
55	26.9	19.6	29.4
61	26.8	19.4	29.0

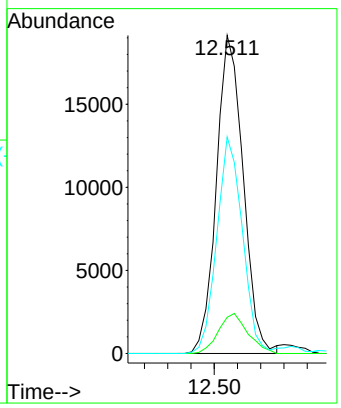




#75
1,1,2,2-Tetrachloroethane
Concen: 56.838 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 83 Resp: 30636

Ion	Ratio	Lower	Upper
83	100		
131	13.8	5.2	15.6
85	64.9	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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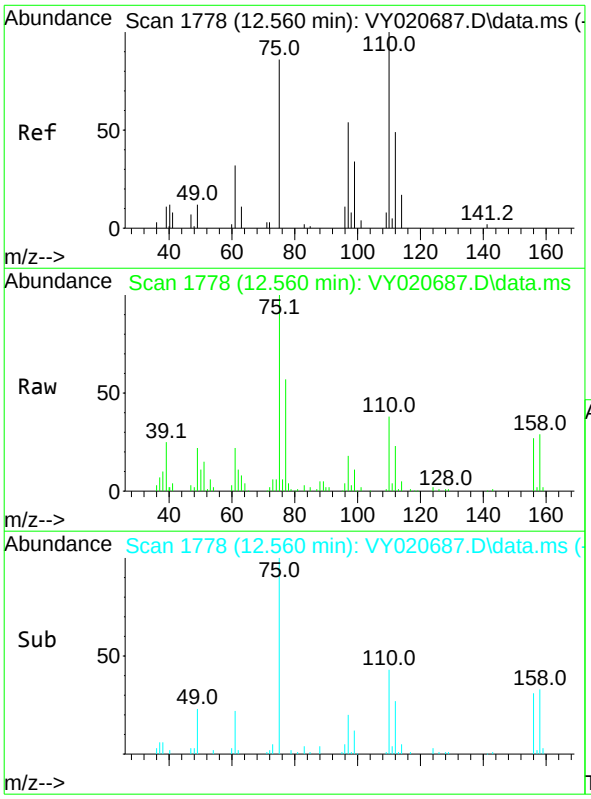
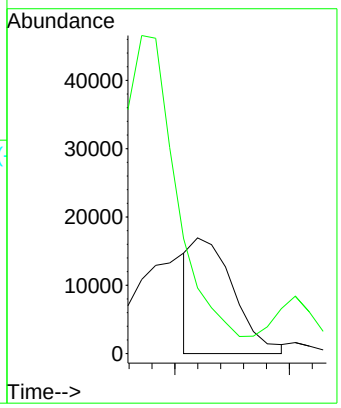
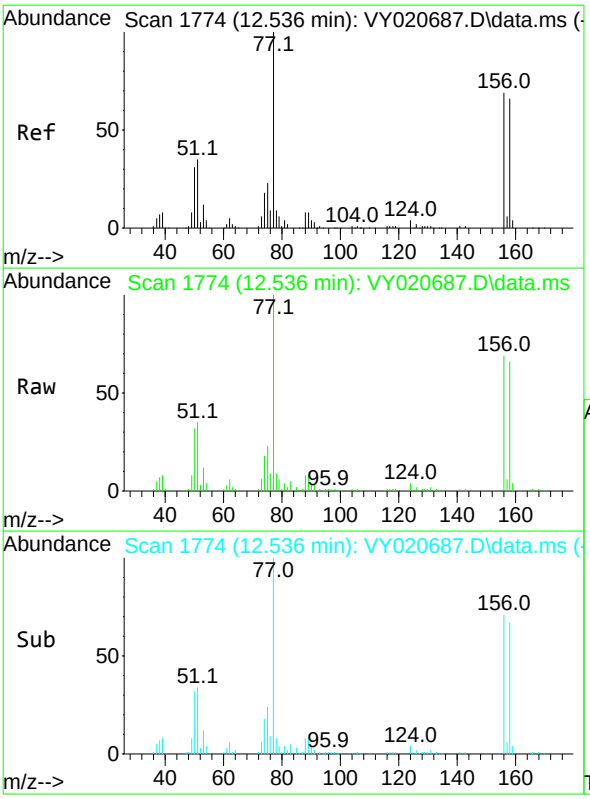


#76
1,2,3-Trichloropropane
Concen: 53.190 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 21468

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 55.049 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:156 Resp: 52505

Ion	Ratio	Lower	Upper
156	100		
77	156.7	94.2	282.4
158	96.6	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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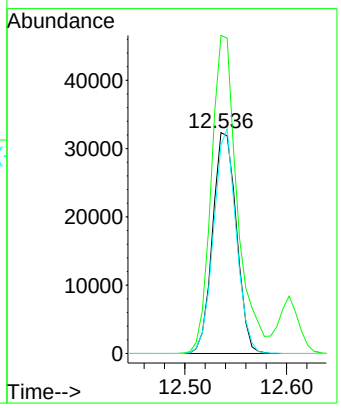
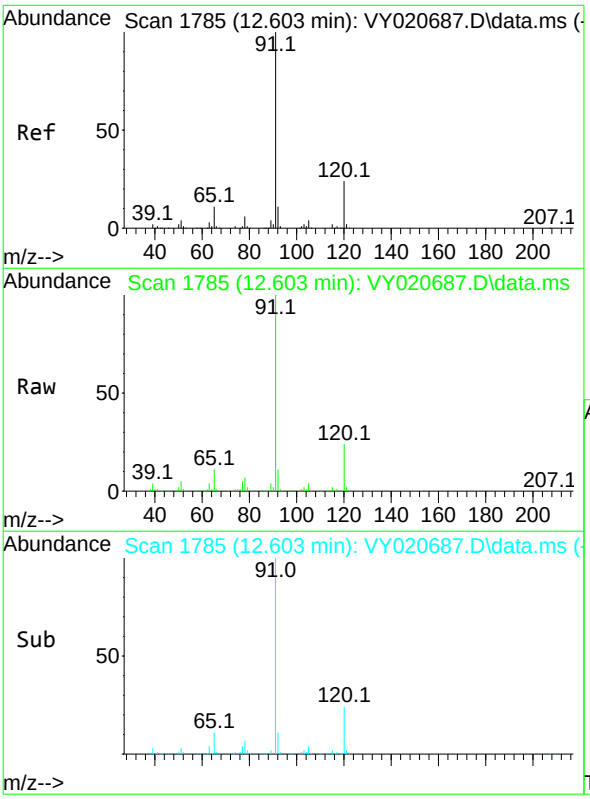
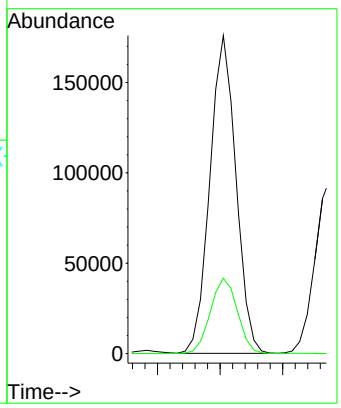


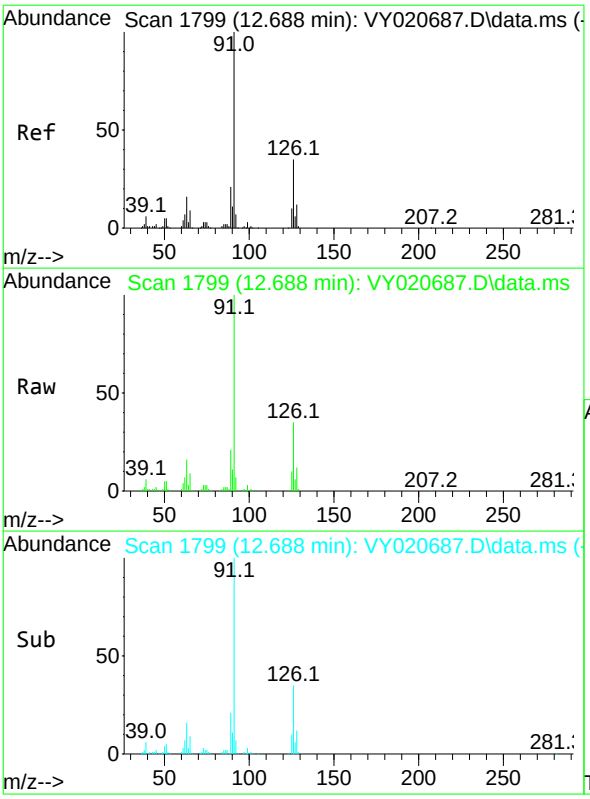


#78
n-propylbenzene
Concen: 53.863 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 254354

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1

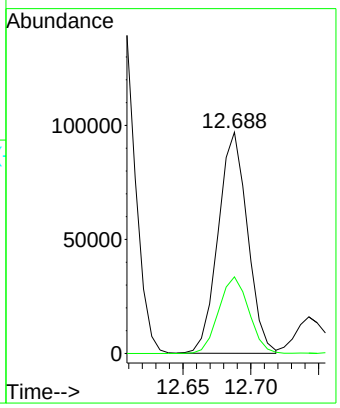




#79
2-Chlorotoluene
Concen: 54.253 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 145847

Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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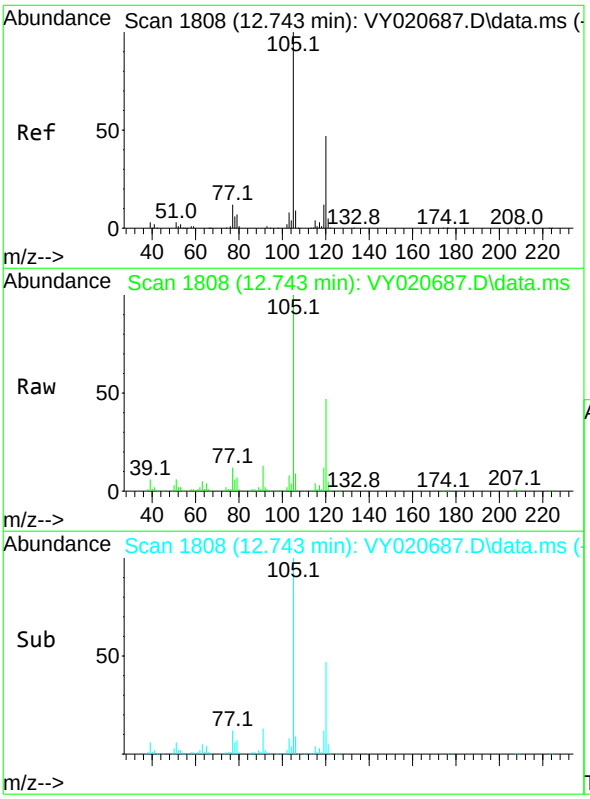
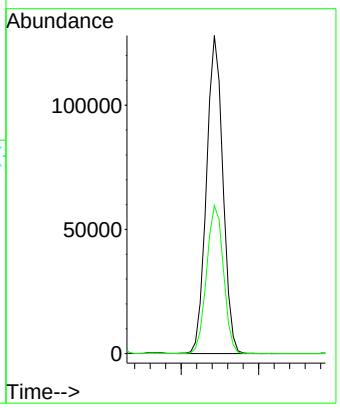
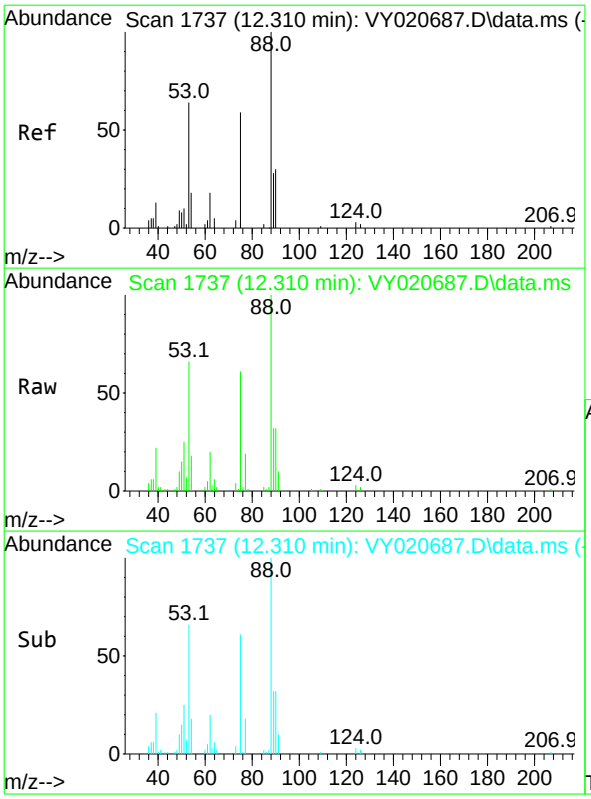


#80
1,3,5-Trimethylbenzene
Concen: 54.200 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 188299

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7

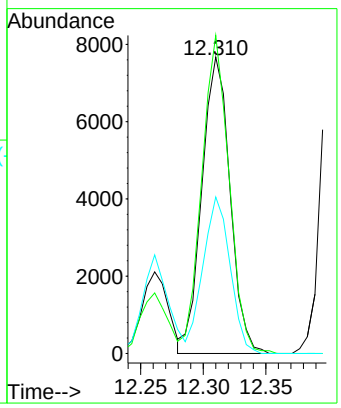




#81
trans-1,4-Dichloro-2-butene
Concen: 61.368 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 11989

Ion	Ratio	Lower	Upper
75	100		
53	103.9	75.4	113.2
89	50.8	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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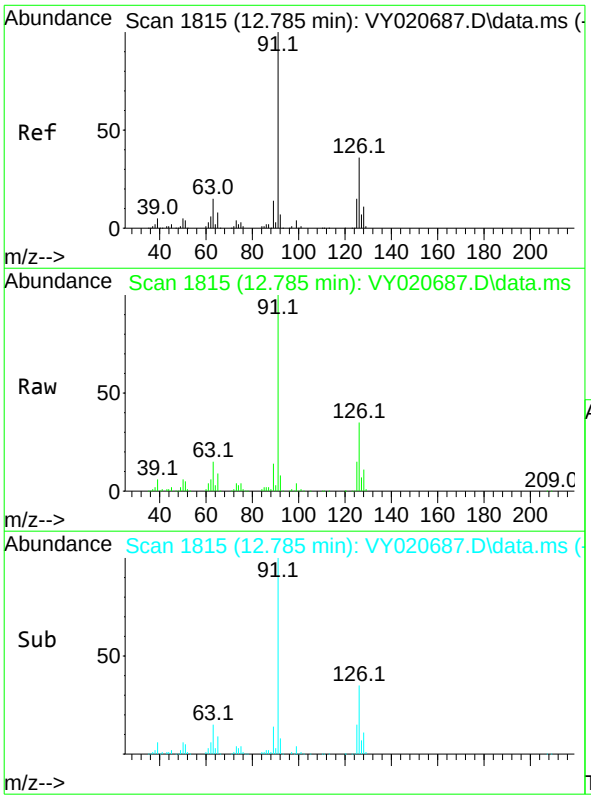
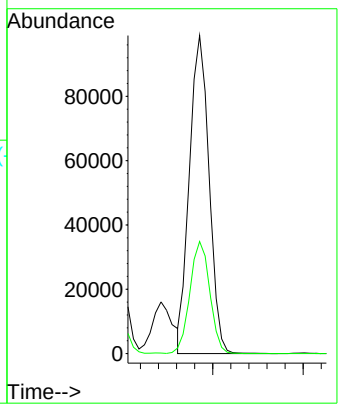
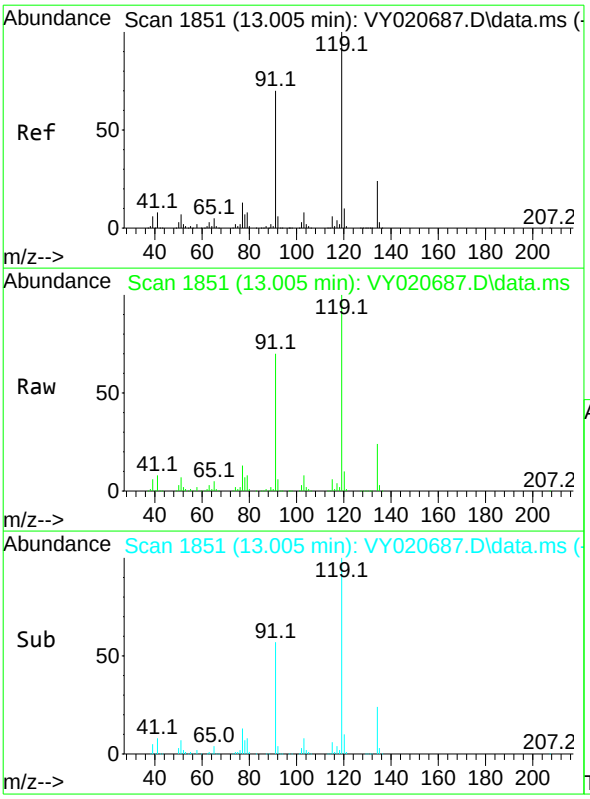


#82
4-Chlorotoluene
Concen: 54.377 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 149088

Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.6	49.7

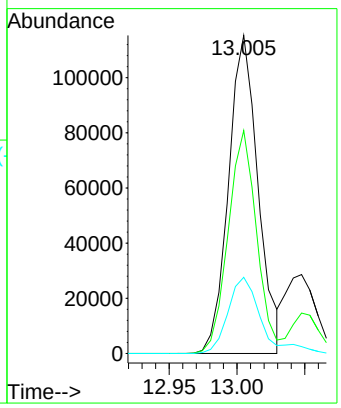




#83
tert-Butylbenzene
Concen: 54.141 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:119 Resp: 175014

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.8	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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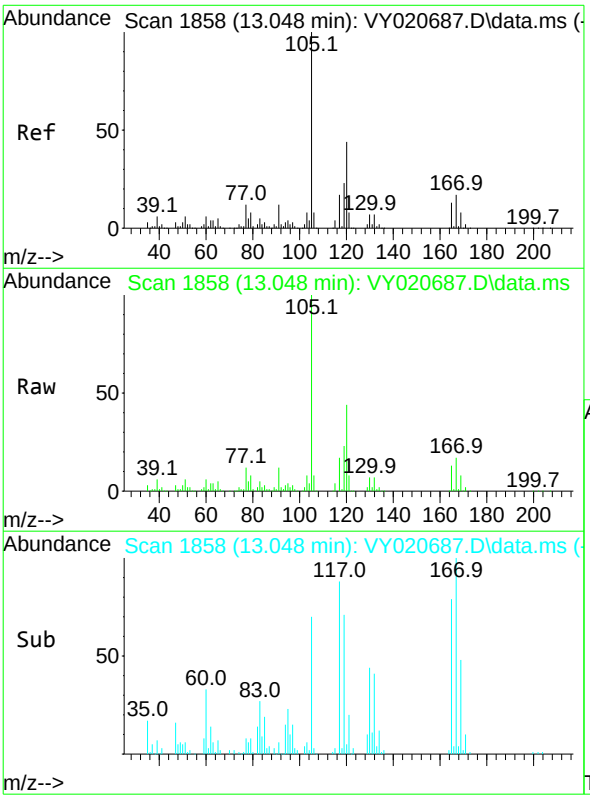
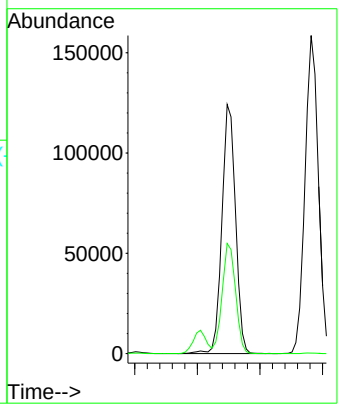
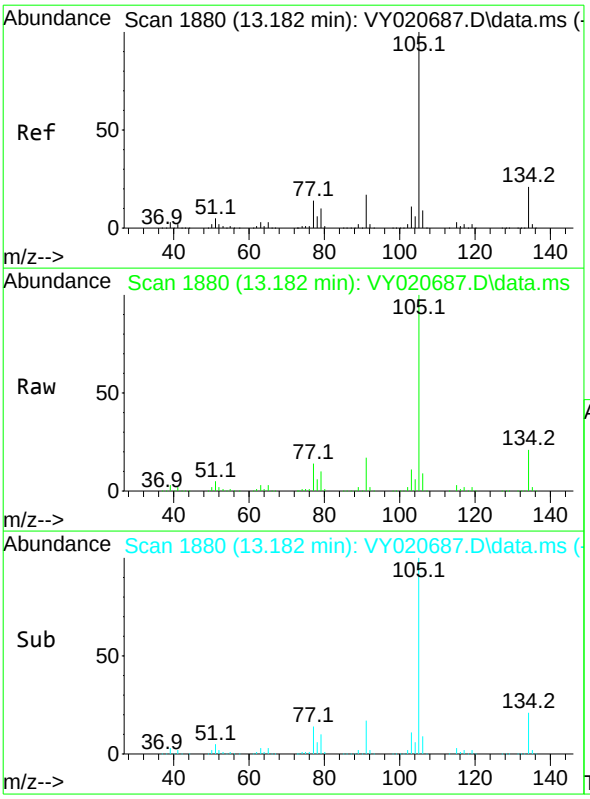


#84
1,2,4-Trimethylbenzene
Concen: 55.133 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 187108

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.4

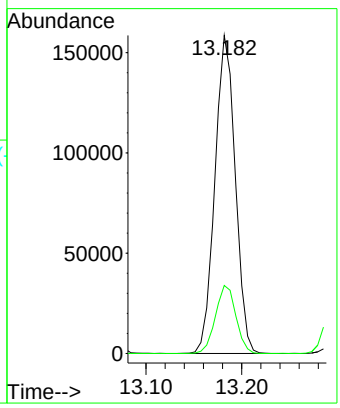




#85
sec-Butylbenzene
Concen: 53.941 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 234783

Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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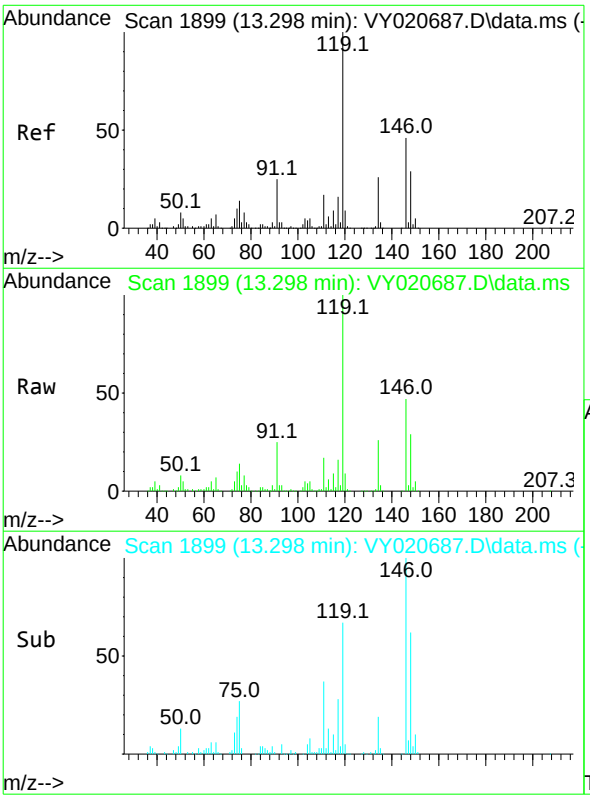
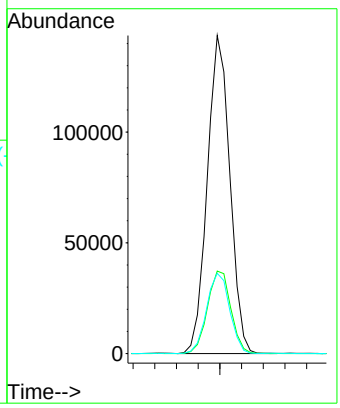
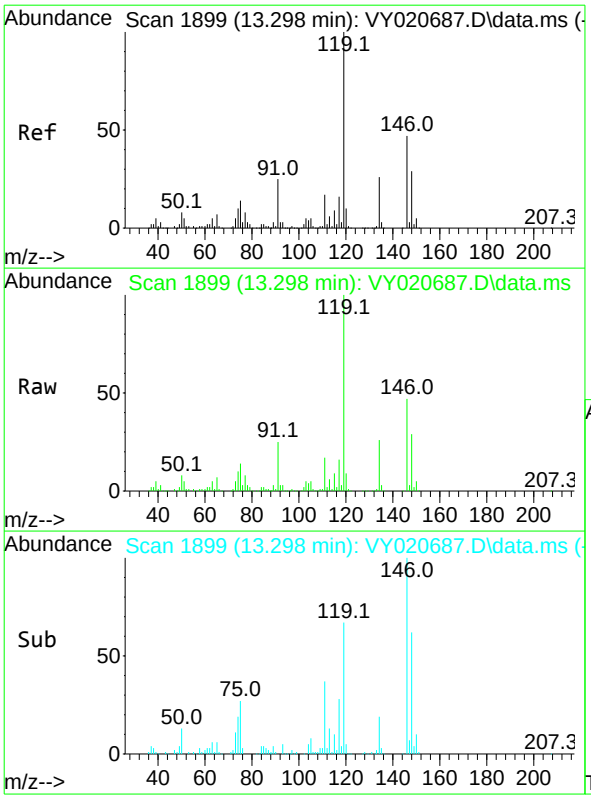


#86
p-Isopropyltoluene
Concen: 54.626 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:119 Resp: 207868

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.7	12.1	36.3

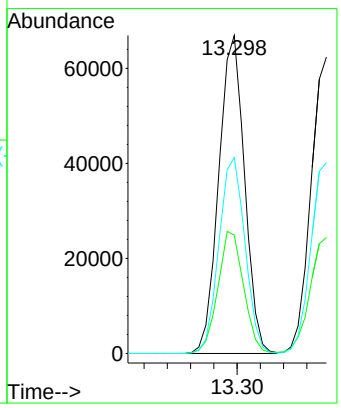




#87
1,3-Dichlorobenzene
Concen: 55.664 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:146 Resp: 103140

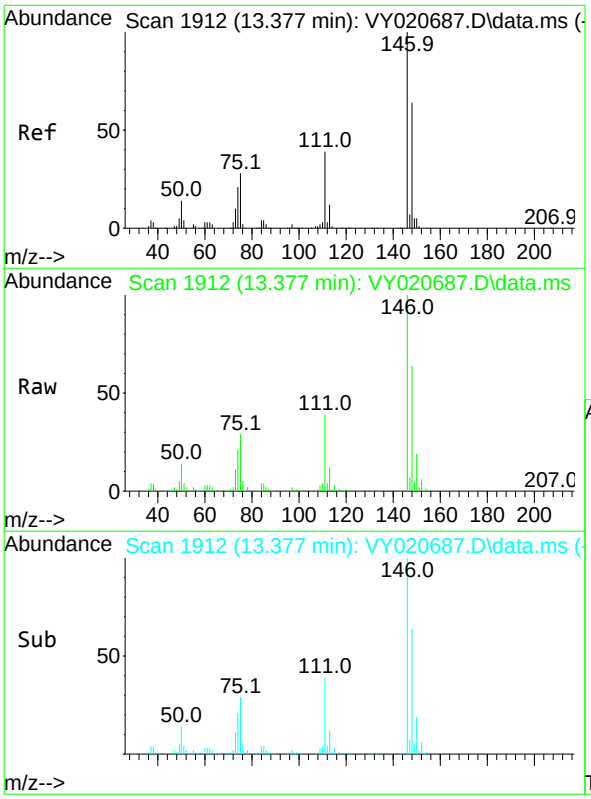
Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.6	61.8
148	62.3	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

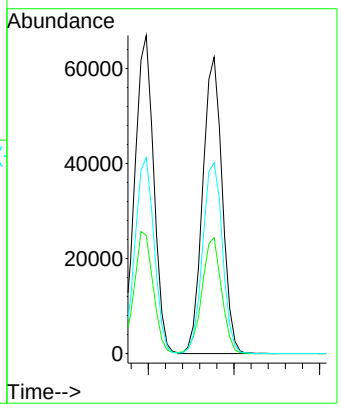
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

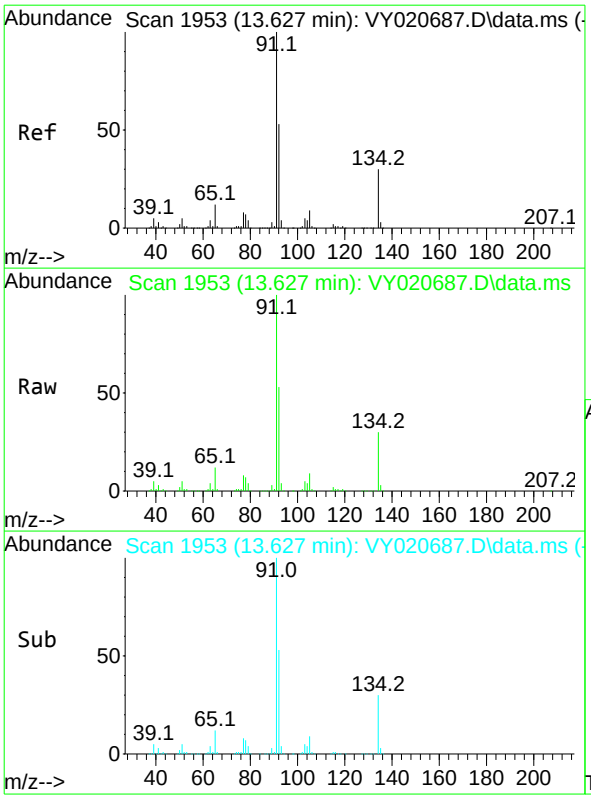


#88
1,4-Dichlorobenzene
Concen: 54.451 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:146 Resp: 98848

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	65.5	31.9	95.5

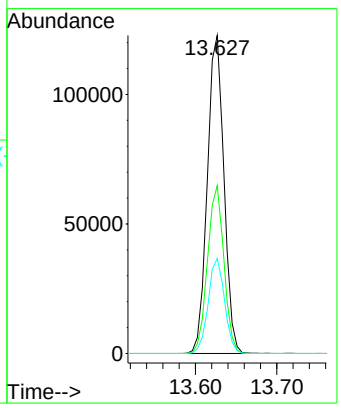




#89
n-Butylbenzene
Concen: 54.256 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 173932

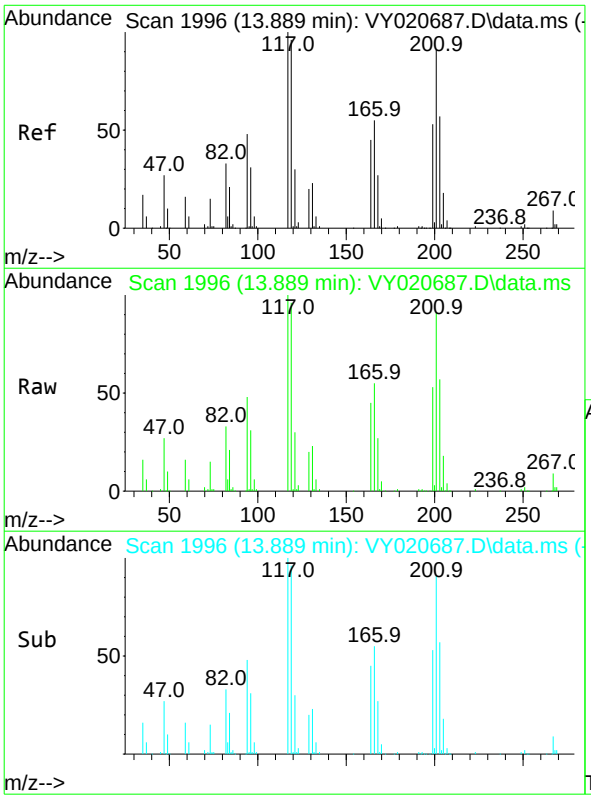
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.4
134	29.6	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

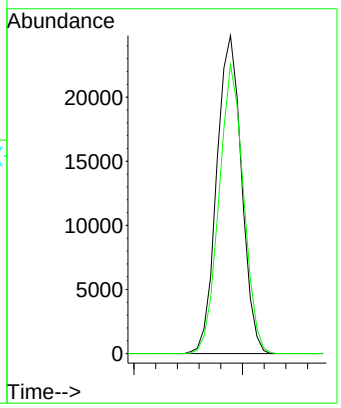
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

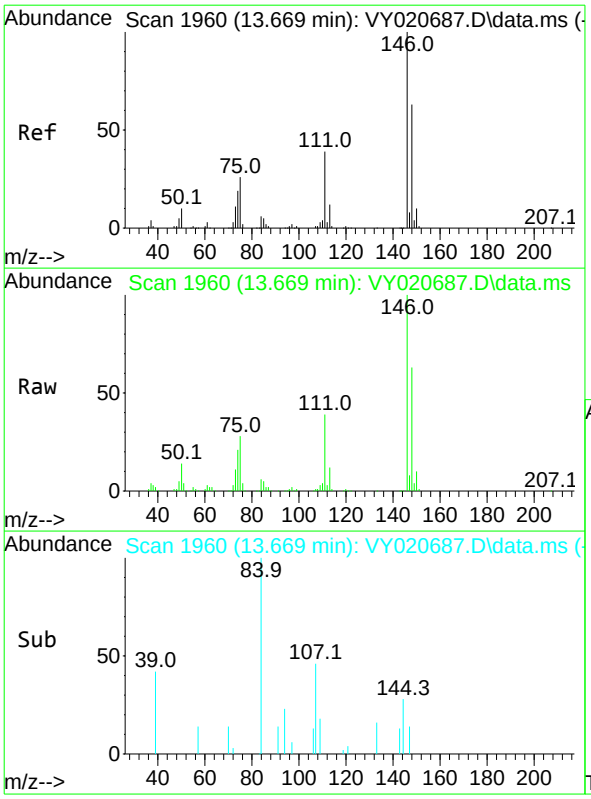


#90
Hexachloroethane
Concen: 54.527 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:117 Resp: 39363

Ion	Ratio	Lower	Upper
117	100		
201	89.8	39.1	117.3

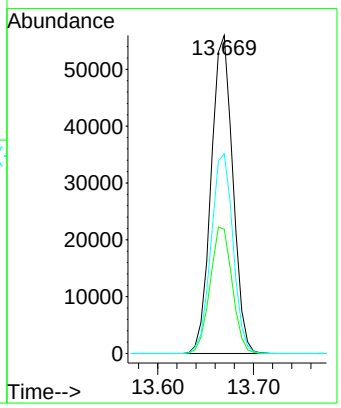




#91
1,2-Dichlorobenzene
Concen: 55.411 ug/l
RT: 13.669 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:146 Resp: 88113

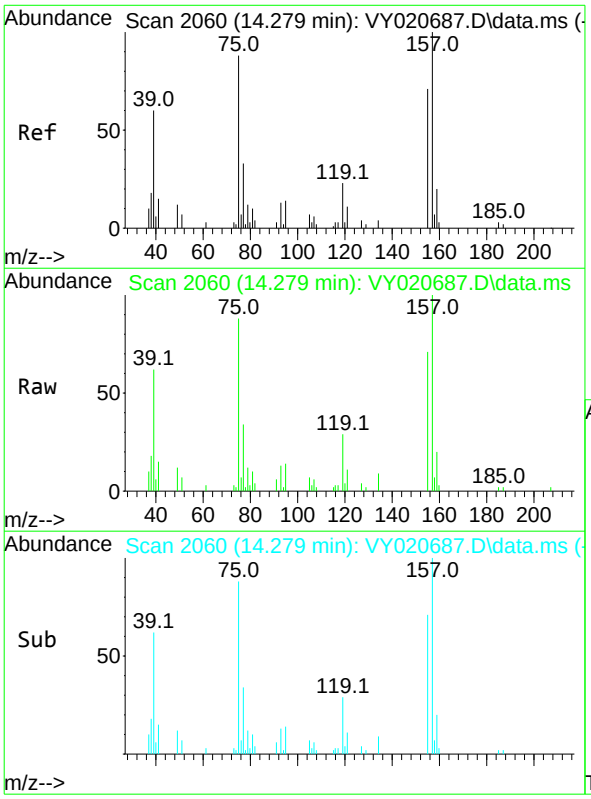
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.3	63.7
148	63.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

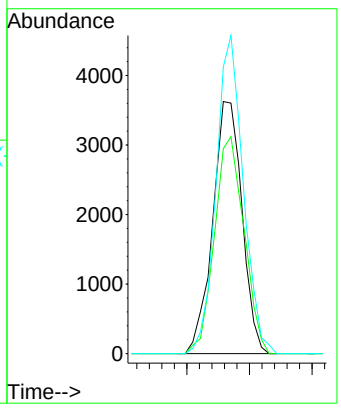
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

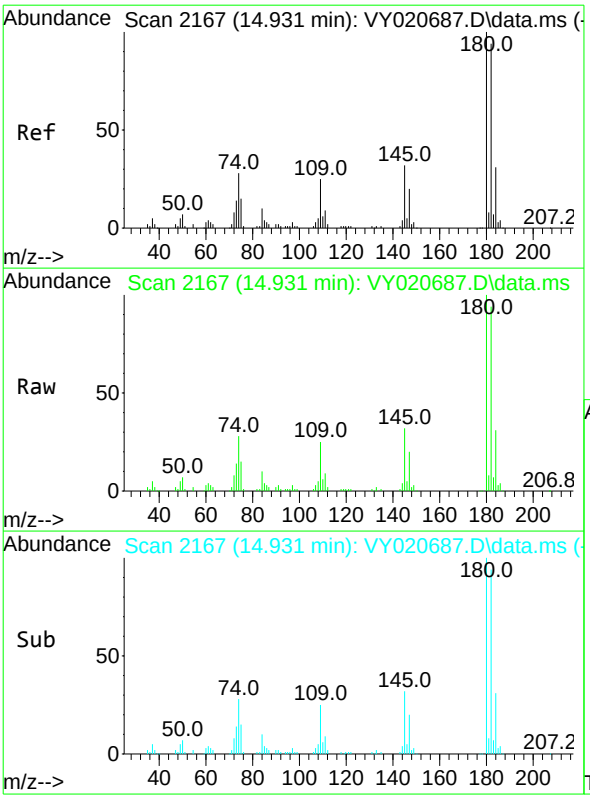


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.338 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 5889

Ion	Ratio	Lower	Upper
75	100		
155	86.8	41.1	123.3
157	117.1	52.9	158.8

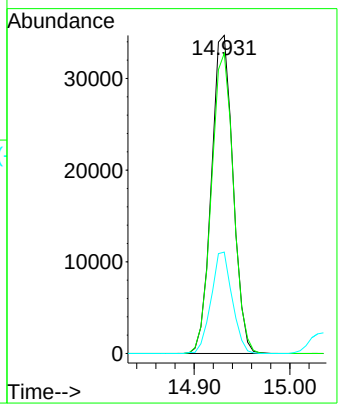




#93
1,2,4-Trichlorobenzene
Concen: 57.563 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:180 Resp: 54343

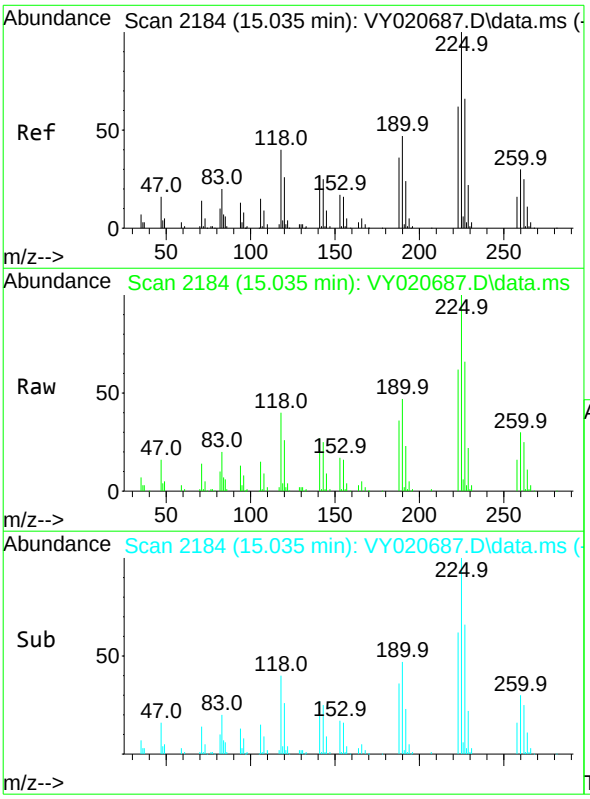
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	31.2	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

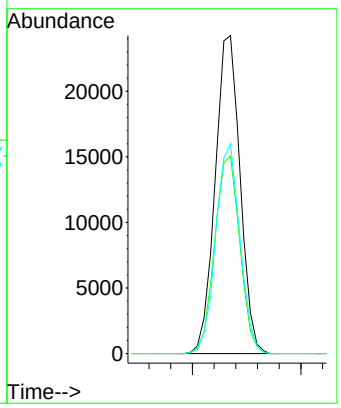
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

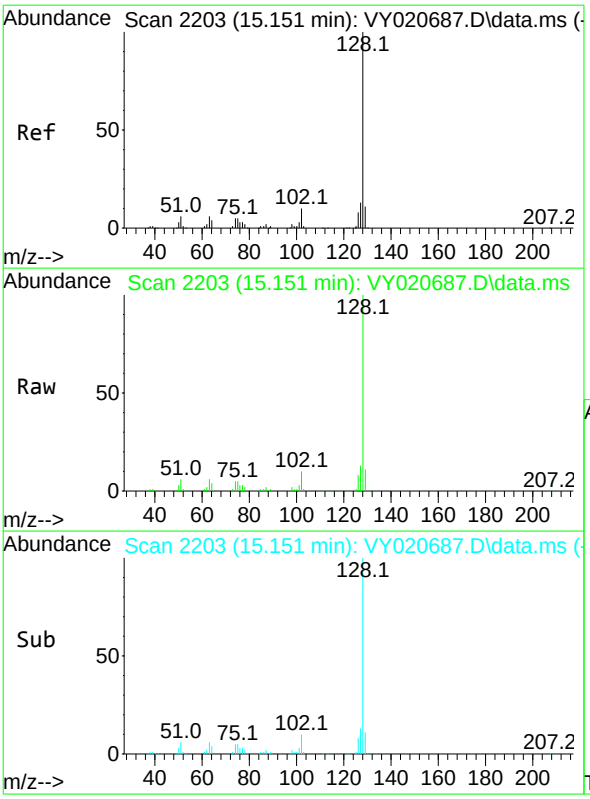


#94
Hexachlorobutadiene
Concen: 54.993 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:225 Resp: 38655

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	64.3	32.2	96.6

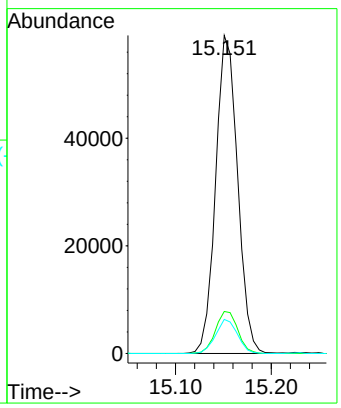




#95
Naphthalene
Concen: 53.559 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:128 Resp: 94107

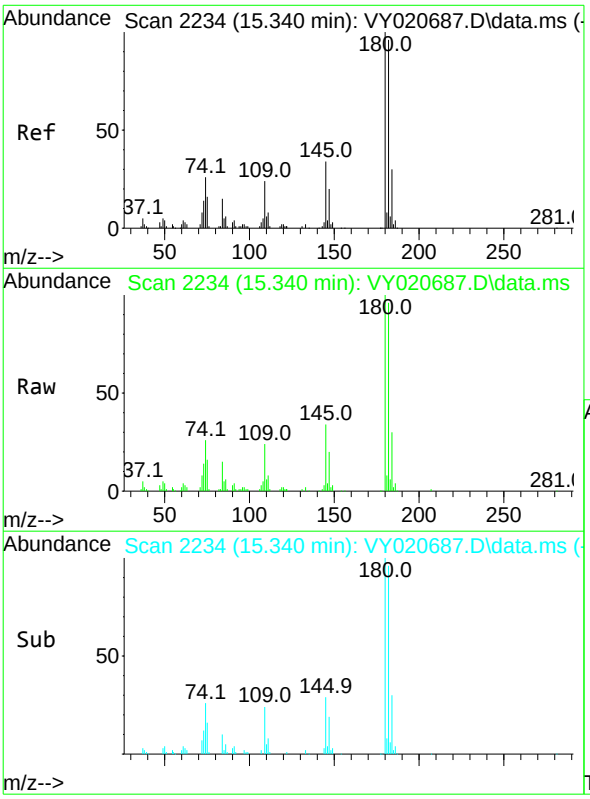
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

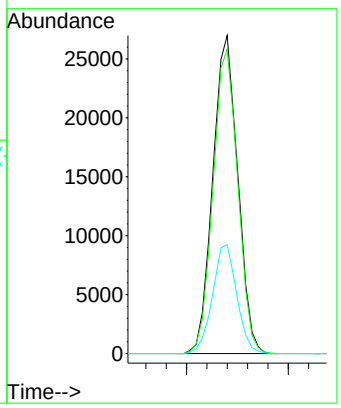
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 58.249 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:180 Resp: 45974

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	33.4	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	114917	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	161431	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	137595	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	68148	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	107875	105.993	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 211.980%#				
35) Dibromofluoromethane	7.646	113	97918	103.302	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 206.600%#				
50) Toluene-d8	10.115	98	390215	113.343	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 226.680%#				
62) 4-Bromofluorobenzene	12.414	95	131639	105.052	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 210.100%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	89821	101.455	ug/l		100
3) Chloromethane	2.080	50	37072	102.783	ug/l		100
4) Vinyl Chloride	2.214	62	44356	100.868	ug/l		93
5) Bromomethane	2.605	94	33090	106.564	ug/l		99
6) Chloroethane	2.751	64	27563	103.130	ug/l		96
7) Trichlorofluoromethane	3.074	101	160384	101.420	ug/l		99
8) Diethyl Ether	3.470	74	37549	99.200	ug/l		74
9) 1,1,2-Trichlorotrifluo...	3.836	101	87024	100.775	ug/l		92
10) Methyl Iodide	4.025	142	107624	108.190	ug/l	#	88
11) Tert butyl alcohol	4.891	59	25979	318.860	ug/l		100
12) 1,1-Dichloroethene	3.806	96	80132	104.556	ug/l		84
13) Acrolein	3.665	56	7342	496.081	ug/l		93
14) Allyl chloride	4.403	41	95186	105.911	ug/l	#	73
15) Acrylonitrile	5.074	53	68275	489.356	ug/l		98
16) Acetone	3.885	43	49690	427.441	ug/l		100
17) Carbon Disulfide	4.123	76	208423	109.076	ug/l		100
18) Methyl Acetate	4.403	43	30643	101.885	ug/l	#	85
19) Methyl tert-butyl Ether	5.135	73	208626	100.077	ug/l	#	90
20) Methylene Chloride	4.635	84	76582	98.860	ug/l	#	83
21) trans-1,2-Dichloroethene	5.135	96	85046	102.915	ug/l		91
22) Diisopropyl ether	6.031	45	188210	102.437	ug/l	#	83
23) Vinyl Acetate	5.976	43	544539	500.508	ug/l	#	87
24) 1,1-Dichloroethane	5.933	63	141575	103.363	ug/l		97
25) 2-Butanone	6.909	43	73820	452.043	ug/l	#	80
26) 2,2-Dichloropropane	6.903	77	168995	98.619	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	99555	101.147	ug/l		92
28) Bromochloromethane	7.262	49	41610	98.532	ug/l	#	55
29) Tetrahydrofuran	7.281	42	45035	469.198	ug/l	#	71
30) Chloroform	7.433	83	174703	97.036	ug/l		98
31) Cyclohexane	7.719	56	111397	92.759	ug/l	#	79
32) 1,1,1-Trichloroethane	7.634	97	190628	101.352	ug/l		97
36) 1,1-Dichloropropene	7.854	75	117395	101.890	ug/l		95
37) Ethyl Acetate	6.994	43	36128	95.946	ug/l	#	95
38) Carbon Tetrachloride	7.829	117	192226	103.099	ug/l		99
39) Methylcyclohexane	9.116	83	151542	103.478	ug/l		90
40) Benzene	8.091	78	341310	102.685	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	21222	99.583 ug/l	88
42) 1,2-Dichloroethane	8.171	62	105608	99.903 ug/l	98
43) Isopropyl Acetate	8.207	43	78883	100.794 ug/l #	86
44) Trichloroethene	8.872	130	100237	101.613 ug/l	92
45) 1,2-Dichloropropane	9.152	63	66549	101.903 ug/l	99
46) Dibromomethane	9.238	93	46353	102.813 ug/l	91
47) Bromodichloromethane	9.433	83	130454	102.003 ug/l #	98
48) Methyl methacrylate	9.225	41	36664	98.826 ug/l #	78
49) 1,4-Dioxane	9.244	88	8370	1770.697 ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	184189	471.139 ug/l	94
52) Toluene	10.176	92	233399	103.116 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	118321	104.556 ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	129658	103.980 ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	58085	99.500 ug/l	92
56) Ethyl methacrylate	10.445	69	78593	105.543 ug/l	88
57) 1,3-Dichloropropane	10.725	76	95590	100.174 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	148461	533.514 ug/l #	82
59) 2-Hexanone	10.768	43	126162	506.636 ug/l	93
60) Dibromochloromethane	10.920	129	94400	101.284 ug/l	100
61) 1,2-Dibromoethane	11.024	107	53742	98.200 ug/l	100
64) Tetrachloroethene	10.652	164	93704	102.542 ug/l	98
65) Chlorobenzene	11.451	112	263137	102.339 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	101593	101.181 ug/l	95
67) Ethyl Benzene	11.524	91	473982	102.747 ug/l	98
68) m/p-Xylenes	11.633	106	361168	205.313 ug/l	99
69) o-Xylene	11.963	106	170942	103.449 ug/l	99
70) Styrene	11.975	104	286046	102.918 ug/l	99
71) Bromoform	12.139	173	56620	98.450 ug/l #	99
73) Isopropylbenzene	12.261	105	479106	103.358 ug/l	99
74) N-amyl acetate	12.078	43	69966	107.418 ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	57744	96.804 ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	47115m	105.483 ug/l	
77) Bromobenzene	12.542	156	108194	102.501 ug/l	84
78) n-propylbenzene	12.603	91	535367	102.443 ug/l	96
79) 2-Chlorotoluene	12.688	91	302669	101.736 ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	396768	103.198 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	21044	97.335 ug/l	86
82) 4-Chlorotoluene	12.786	91	308333	101.618 ug/l	95
83) tert-Butylbenzene	13.005	119	368377	102.974 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	389540	103.718 ug/l	99
85) sec-Butylbenzene	13.182	105	500341	103.872 ug/l	97
86) p-Isopropyltoluene	13.298	119	444365	105.520 ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	208263	101.565 ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	204683	101.883 ug/l	99
89) n-Butylbenzene	13.627	91	374806	105.647 ug/l	96
90) Hexachloroethane	13.889	117	84108	105.279 ug/l	86
91) 1,2-Dichlorobenzene	13.670	146	178630	101.506 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	10912	96.002 ug/l	94
93) 1,2,4-Trichlorobenzene	14.932	180	118085	113.025 ug/l	99
94) Hexachlorobutadiene	15.035	225	84724	108.914 ug/l	98
95) Naphthalene	15.151	128	186615	93.198 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	98291	112.531 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 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\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
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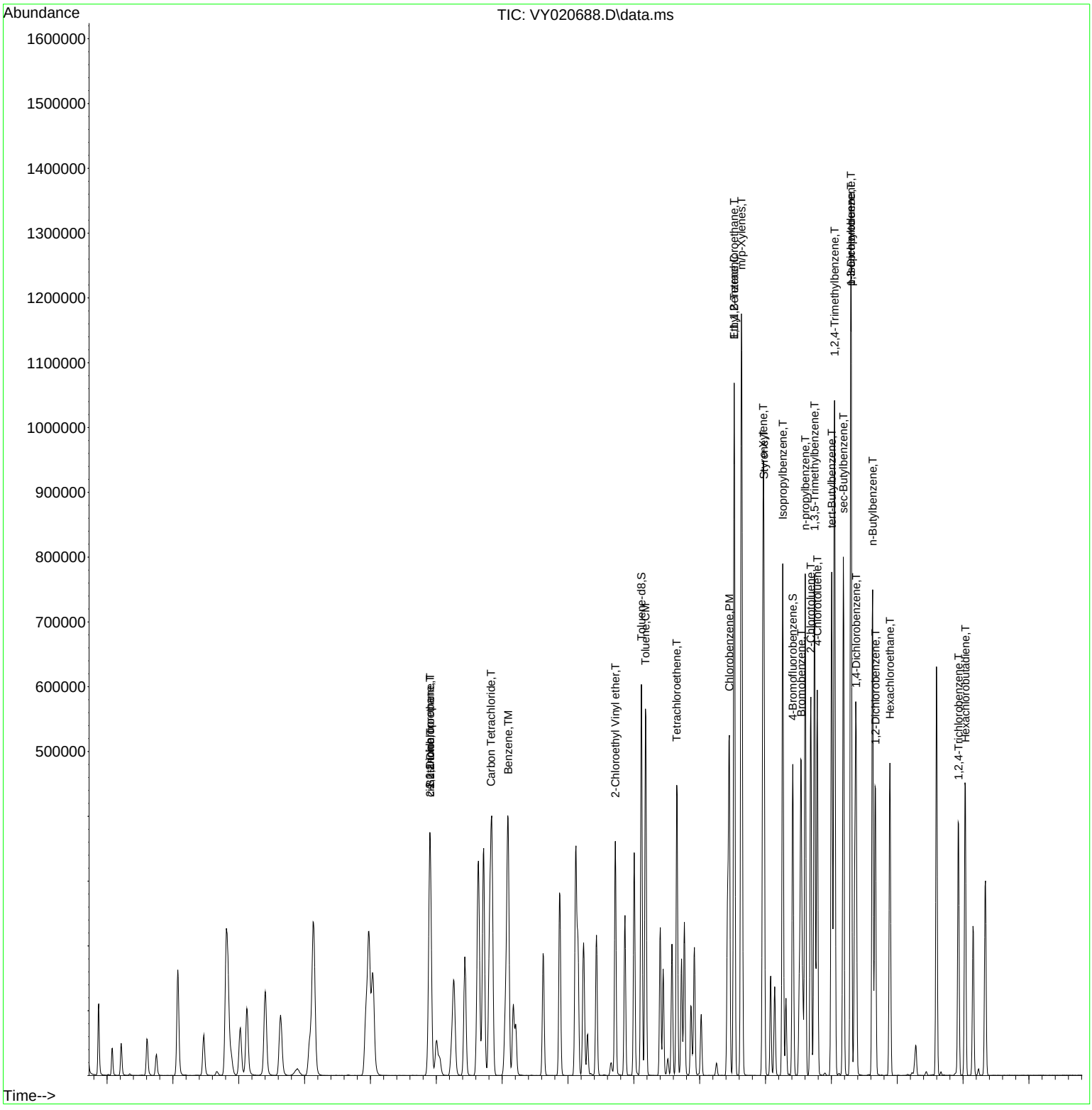
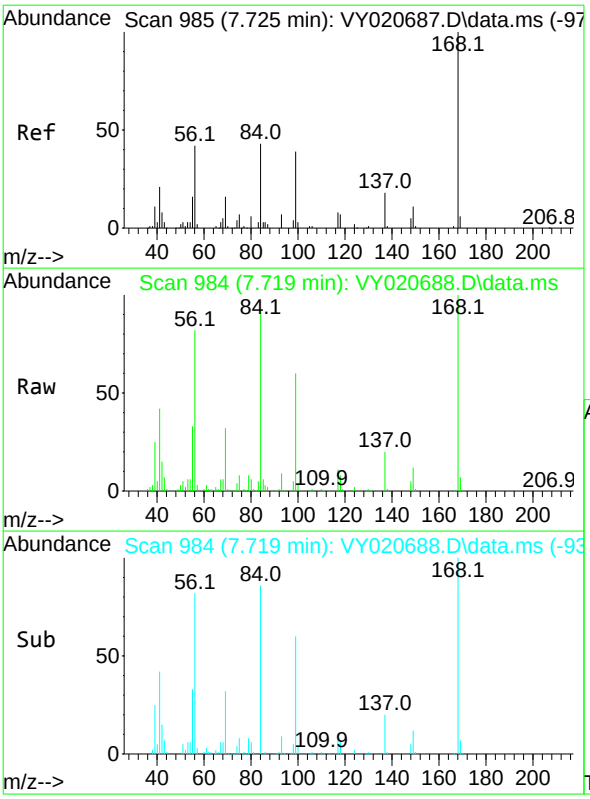
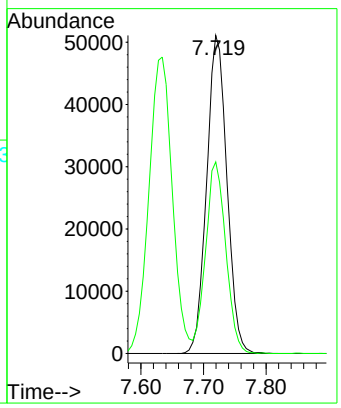




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:168 Resp: 114917

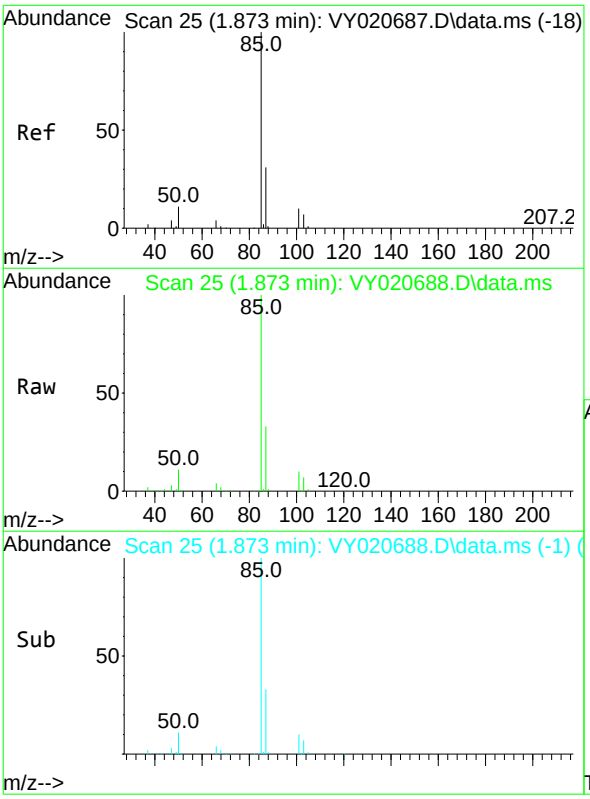
Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

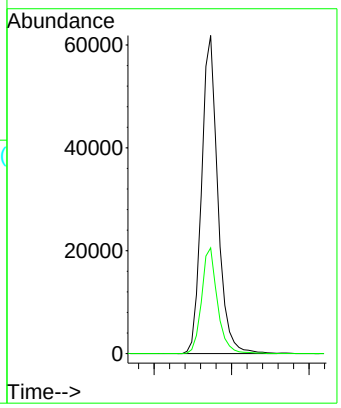
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

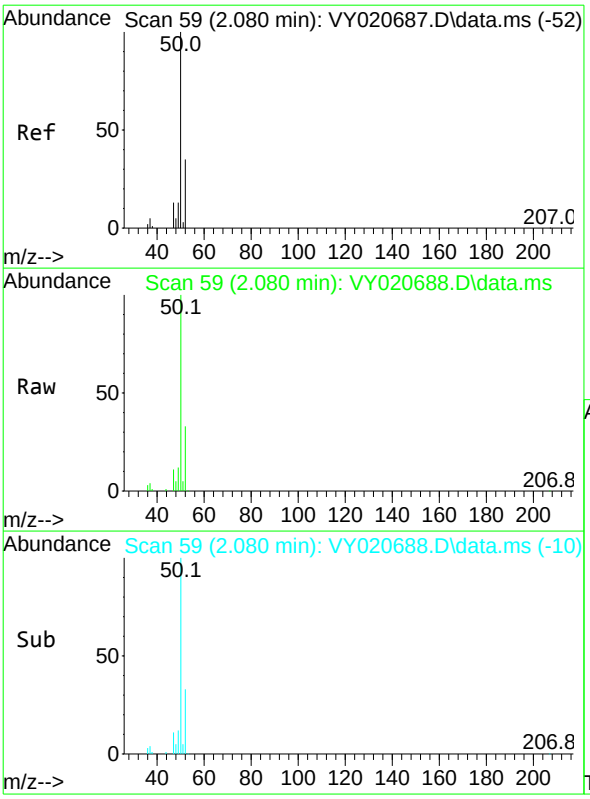


#2
Dichlorodifluoromethane
Concen: 101.455 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 85 Resp: 89821

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.8	50.3

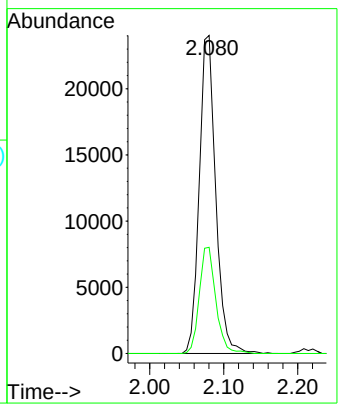




#3
Chloromethane
Concen: 102.783 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 50 Resp: 37072

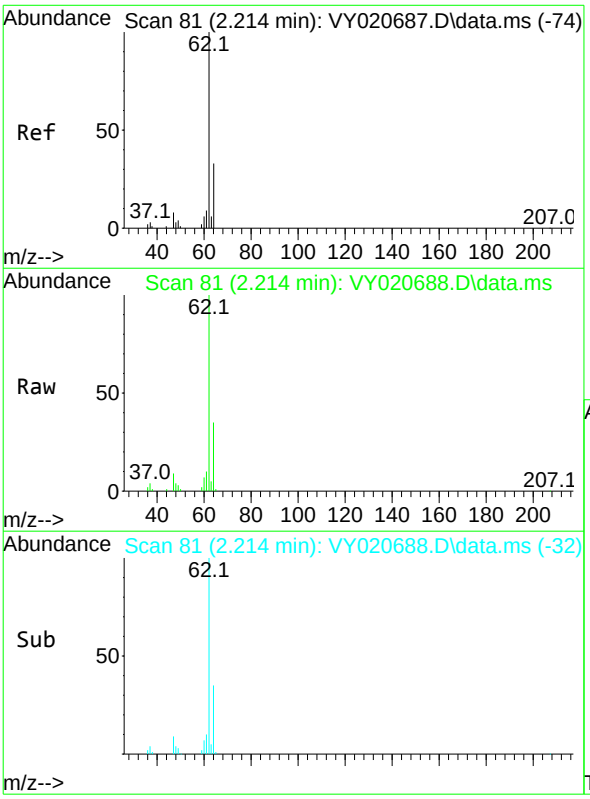
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

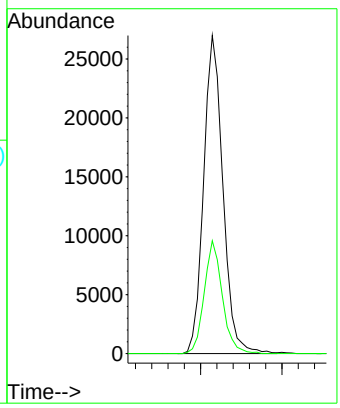
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

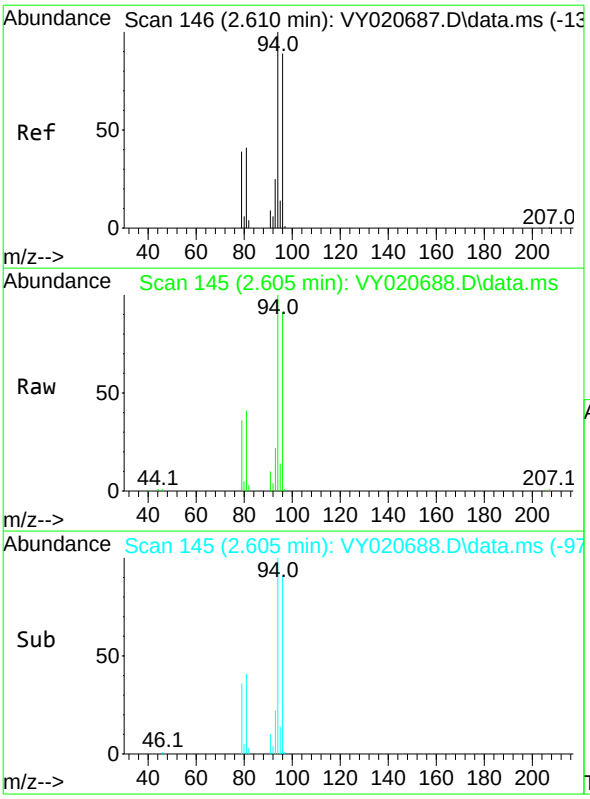


#4
Vinyl Chloride
Concen: 100.868 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 62 Resp: 44356

Ion	Ratio	Lower	Upper
62	100		
64	35.5	25.3	37.9

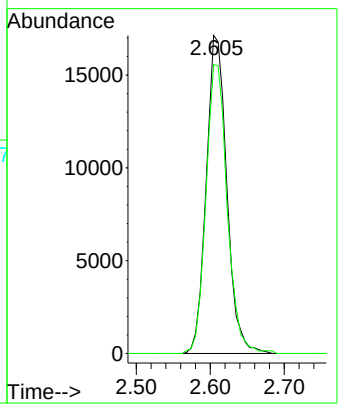




#5
Bromomethane
Concen: 106.564 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 94 Resp: 33090

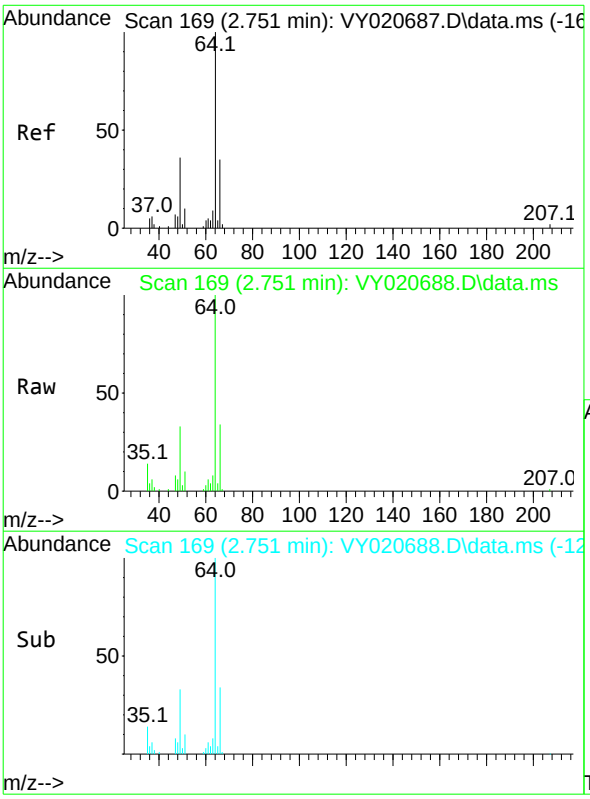
Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

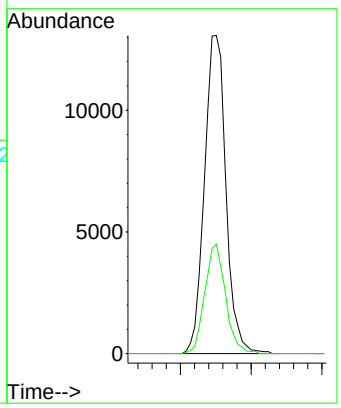
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

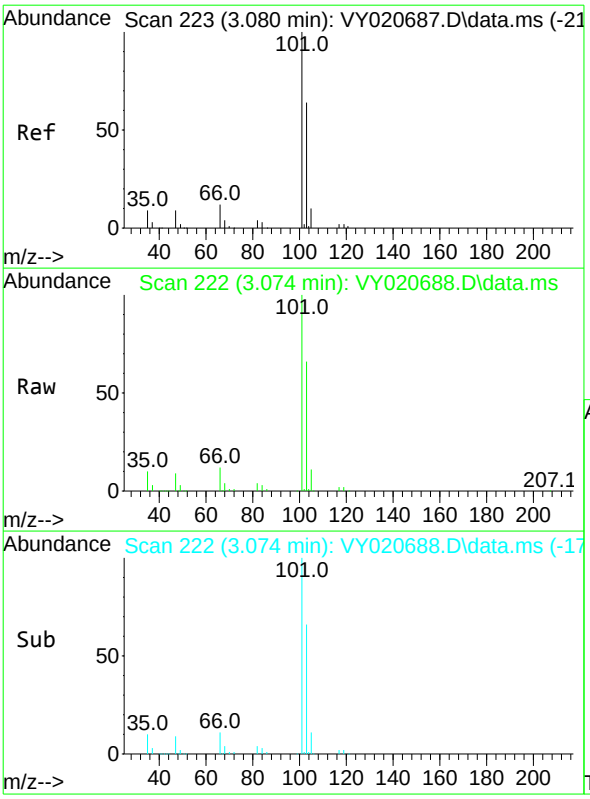


#6
Chloroethane
Concen: 103.130 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 64 Resp: 27563

Ion	Ratio	Lower	Upper
64	100		
66	34.5	25.8	38.6

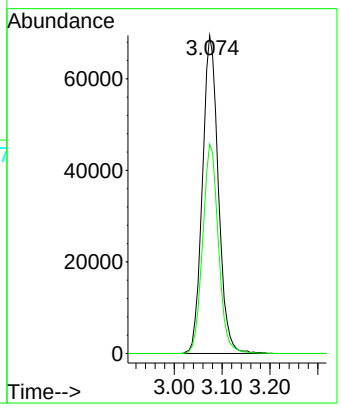




#7
Trichlorofluoromethane
Concen: 101.420 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:101 Resp: 160384

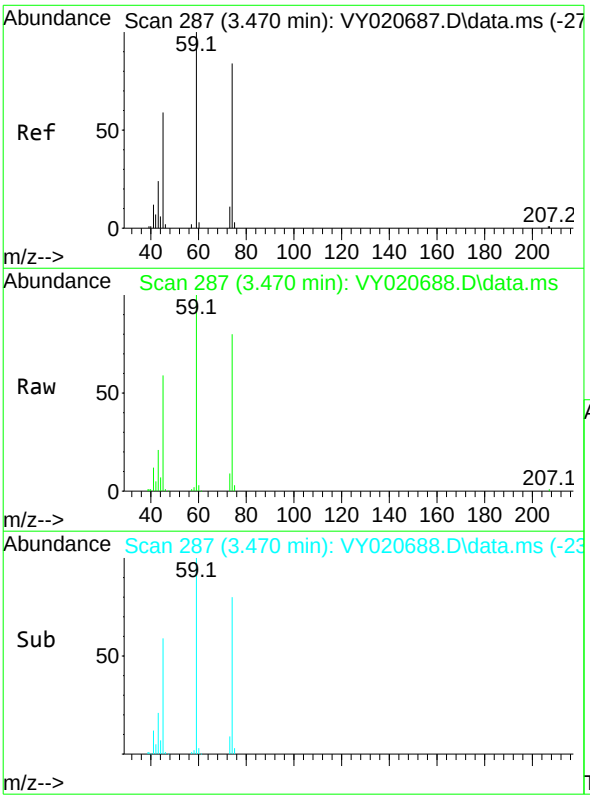
Ion	Ratio	Lower	Upper
101	100		
103	65.8	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

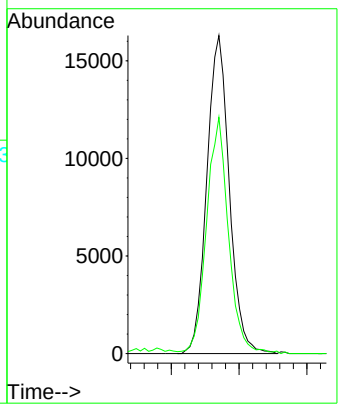
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

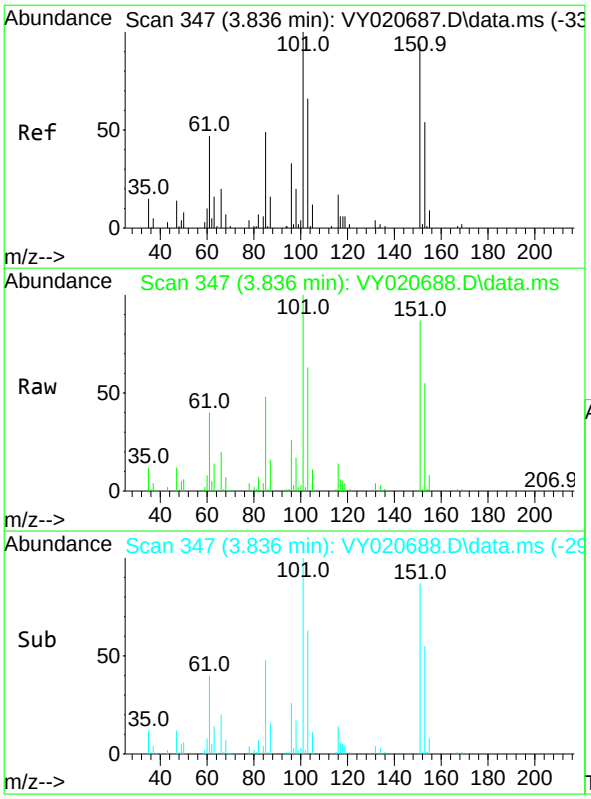


#8
Diethyl Ether
Concen: 99.200 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 74 Resp: 37549

Ion	Ratio	Lower	Upper
74	100		
45	72.5	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.775 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

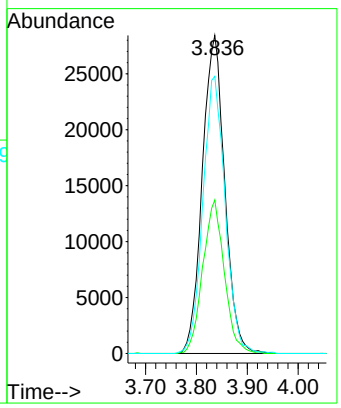
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

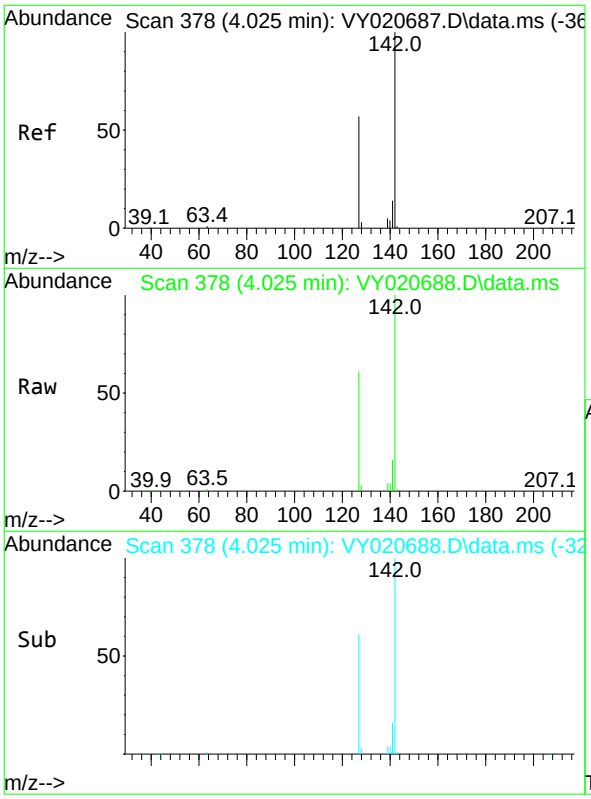
Tgt Ion:101 Resp: 87024

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.6	54.8
151	86.7	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

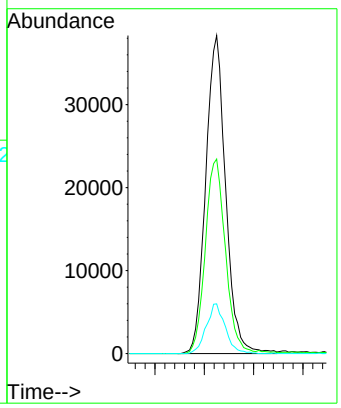


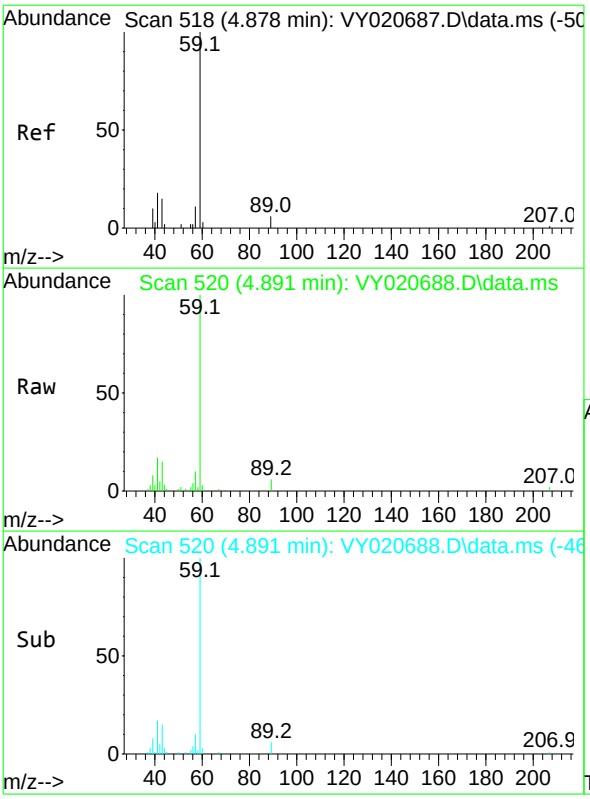


#10
Methyl Iodide
Concen: 108.190 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:142 Resp: 107624

Ion	Ratio	Lower	Upper
142	100		
127	61.7	40.6	61.0#
141	14.9	11.7	17.5

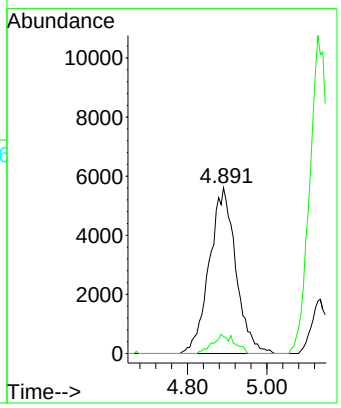




#11
Tert butyl alcohol
Concen: 318.860 ug/l
RT: 4.891 min Scan# 52
Delta R.T. 0.013 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 59 Resp: 25979

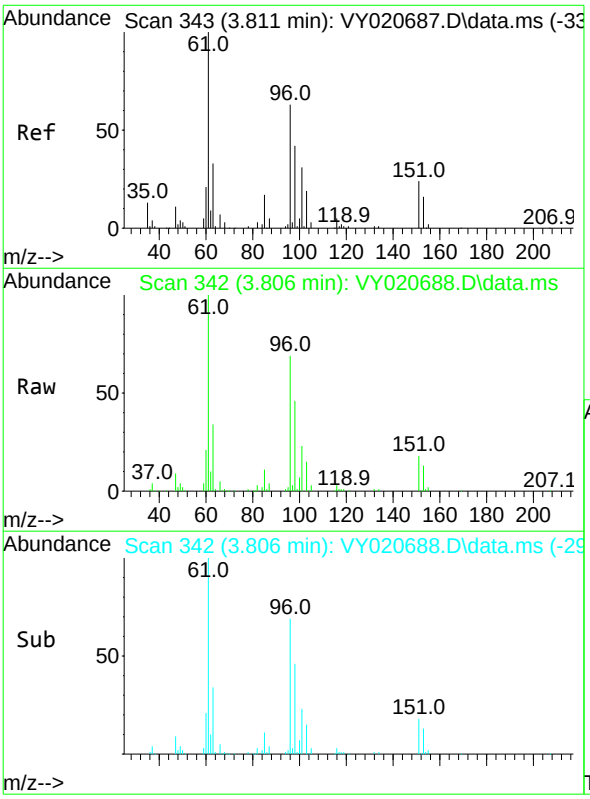
Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

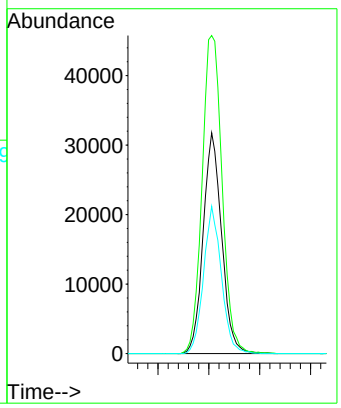
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

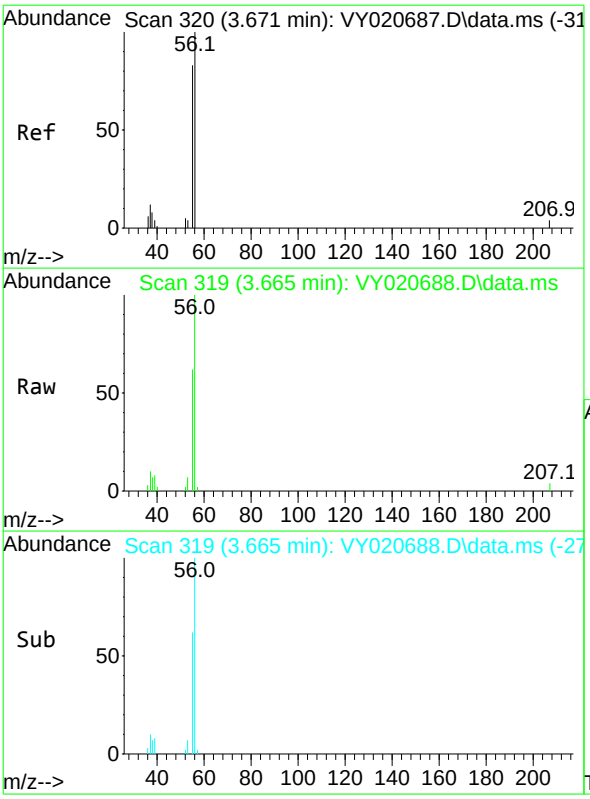


#12
1,1-Dichloroethene
Concen: 104.556 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 96 Resp: 80132

Ion	Ratio	Lower	Upper
96	100		
61	144.1	136.9	205.3
98	66.7	50.2	75.4

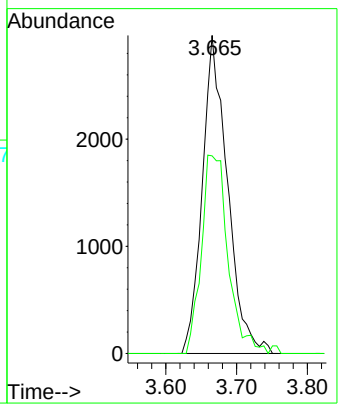




#13
Acrolein
Concen: 496.081 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 56 Resp: 7342

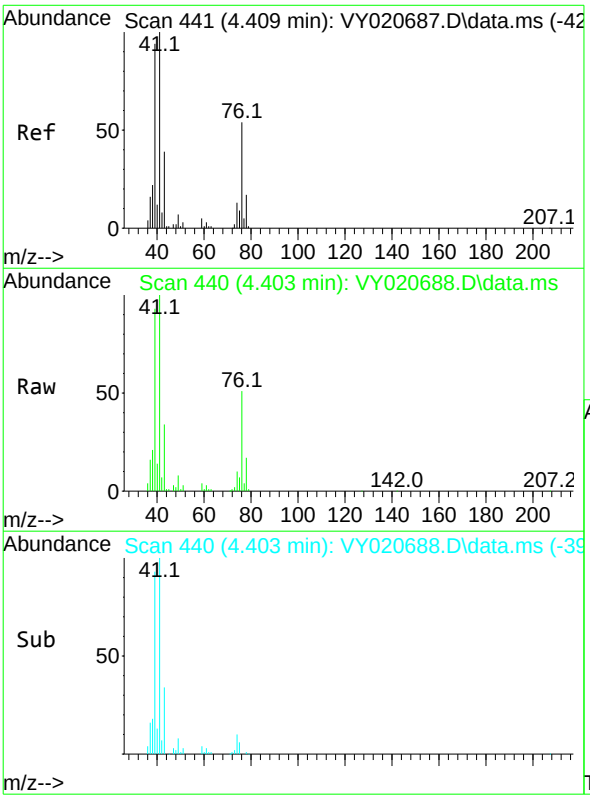
Ion	Ratio	Lower	Upper
56	100		
55	65.9	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

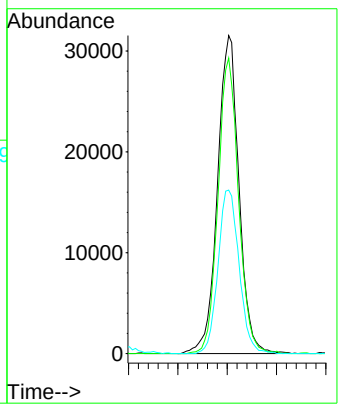
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

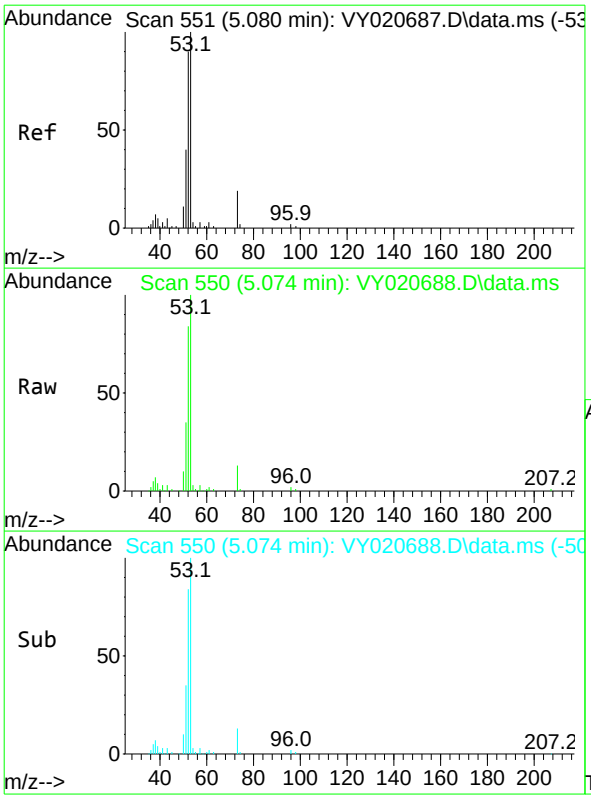


#14
Allyl chloride
Concen: 105.911 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 41 Resp: 95186

Ion	Ratio	Lower	Upper
41	100		
39	89.1	53.0	79.4#
76	50.5	29.5	44.3#

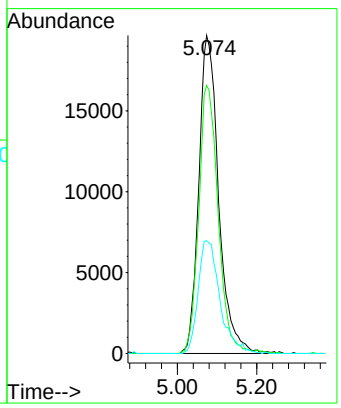




#15
Acrylonitrile
Concen: 489.356 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 53 Resp: 68275

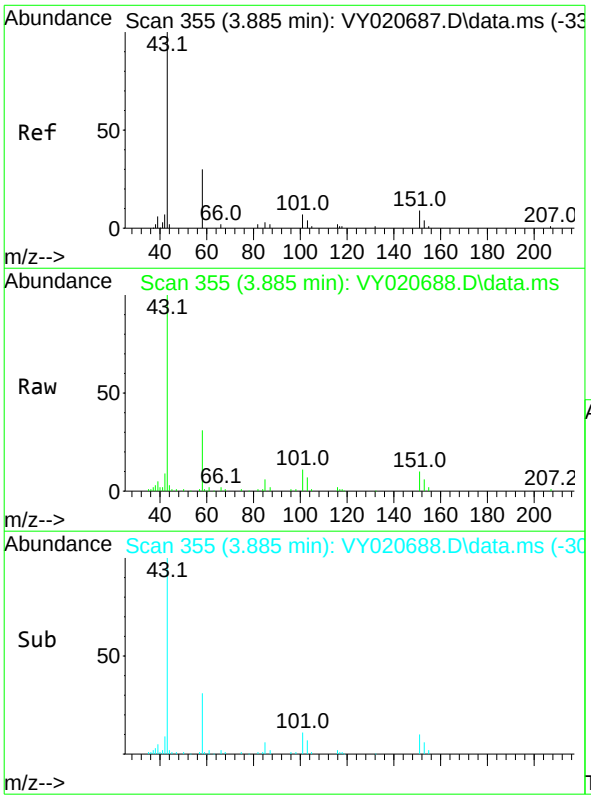
Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	39.0	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

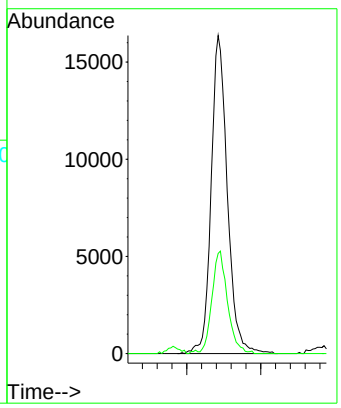
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

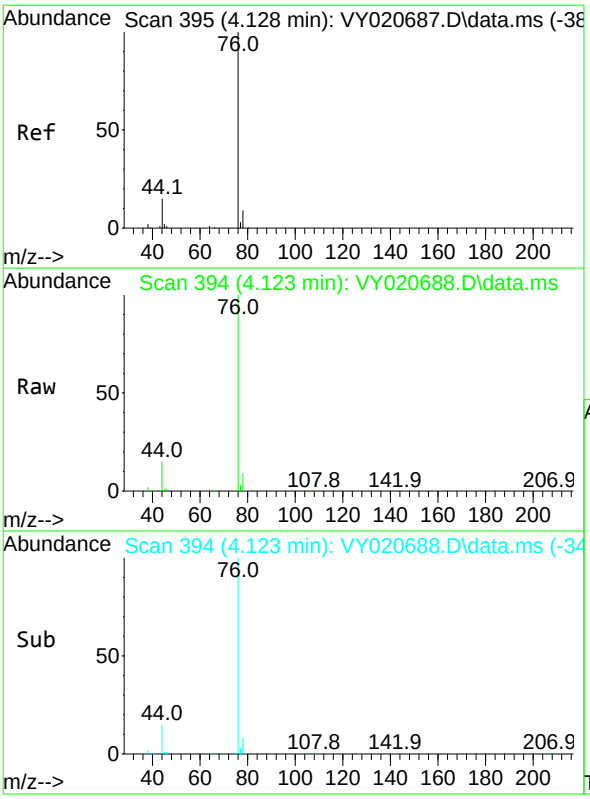


#16
Acetone
Concen: 427.441 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 49690

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.0	37.6





#17
Carbon Disulfide
Concen: 109.076 ug/l
RT: 4.123 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

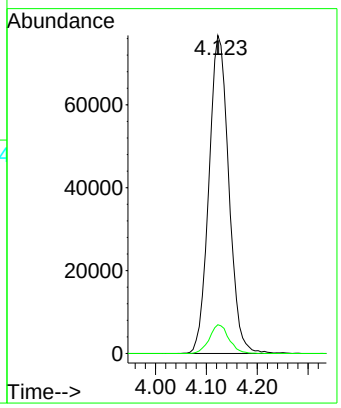
Tgt Ion: 76 Resp: 208423

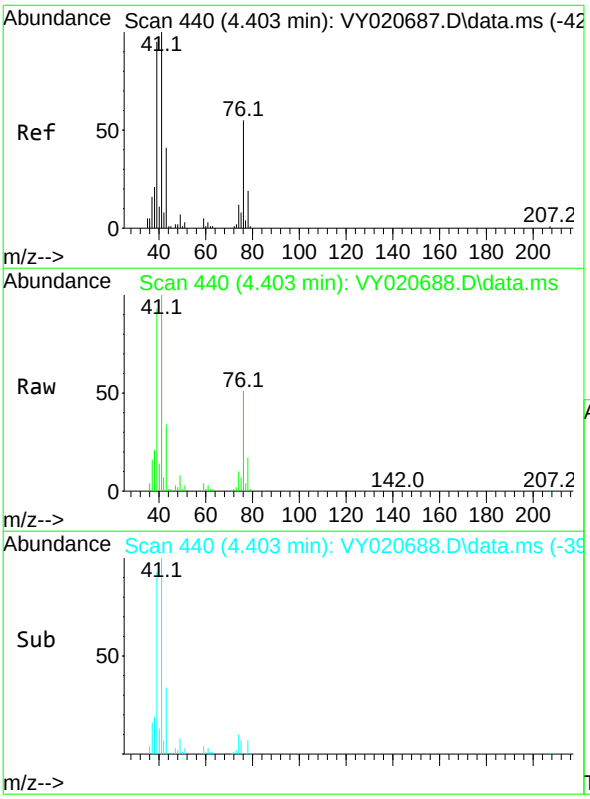
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

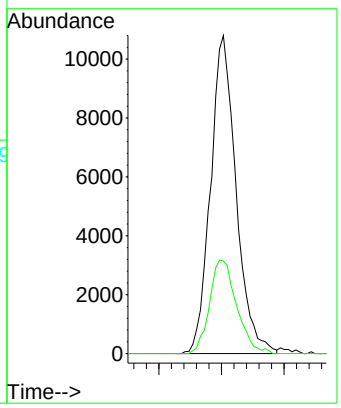


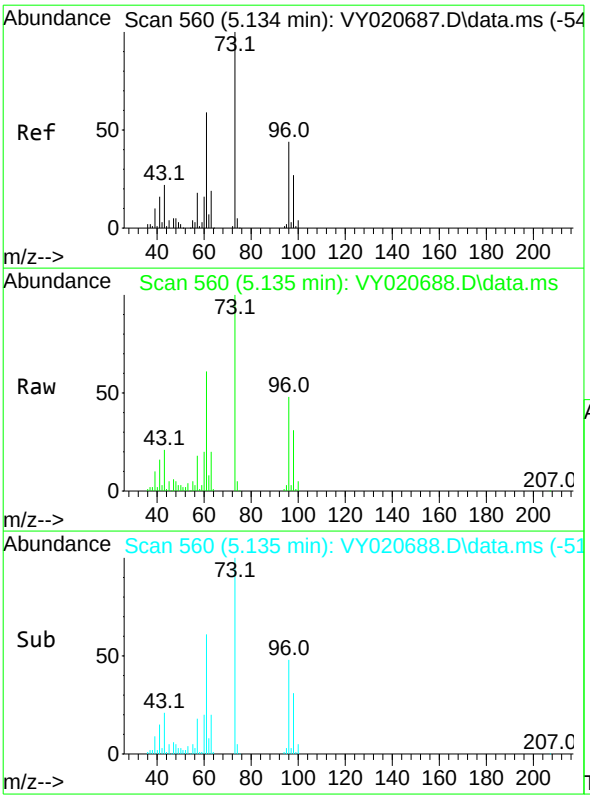


#18
Methyl Acetate
Concen: 101.885 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 30643

Ion	Ratio	Lower	Upper
43	100		
74	31.2	19.2	28.8#

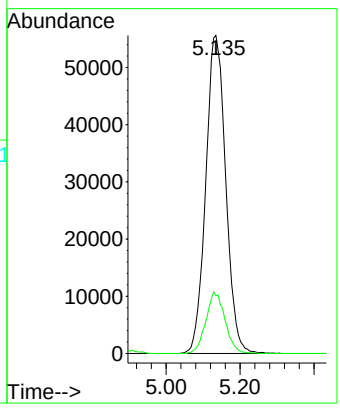




#19
Methyl tert-butyl Ether
Concen: 100.077 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 73 Resp: 208626

Ion	Ratio	Lower	Upper
73	100		
57	18.2	18.5	27.7#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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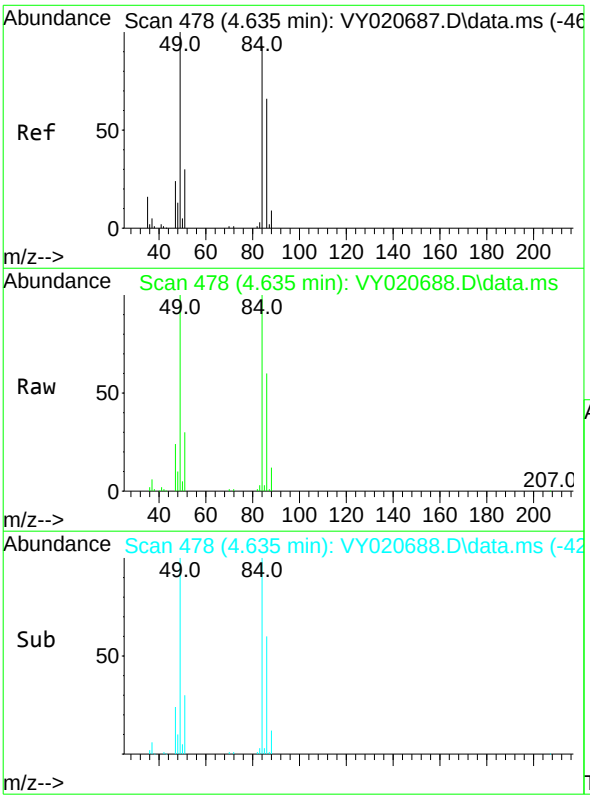
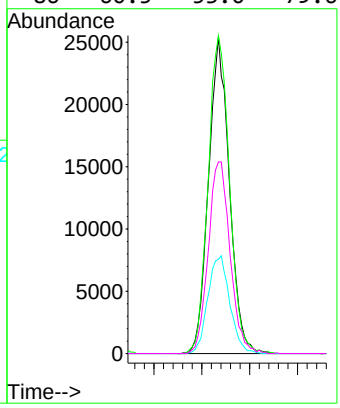
Supervised By :Mahesh Dadoda 12/26/2024

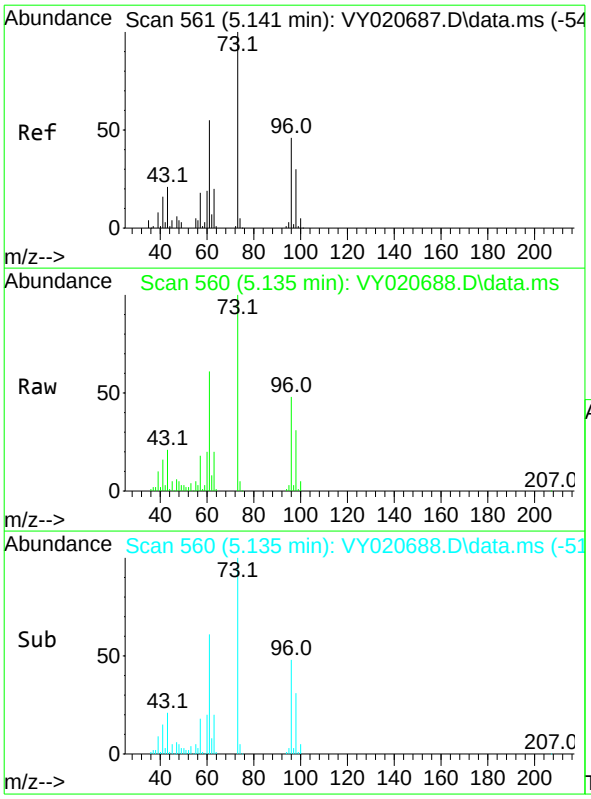


#20
Methylene Chloride
Concen: 98.860 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 84 Resp: 76582

Ion	Ratio	Lower	Upper
84	100		
49	100.3	100.7	151.1#
51	29.7	32.2	48.2#
86	60.5	53.0	79.6

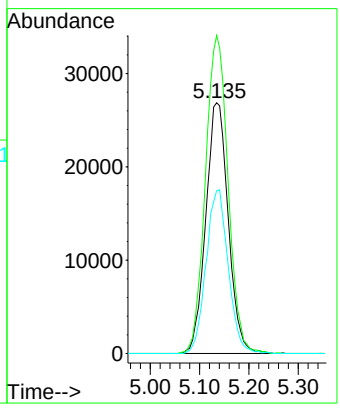




#21
trans-1,2-Dichloroethene
Concen: 102.915 ug/l
RT: 5.135 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 96 Resp: 85046

Ion	Ratio	Lower	Upper
96	100		
61	126.9	113.7	170.5
98	64.9	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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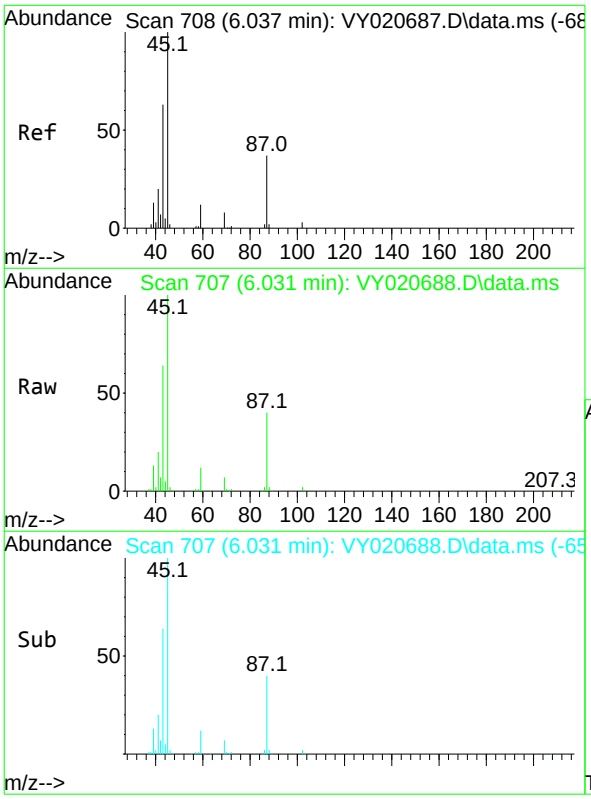
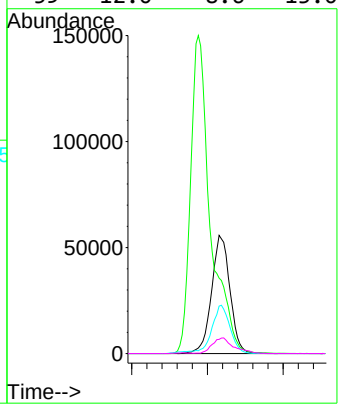
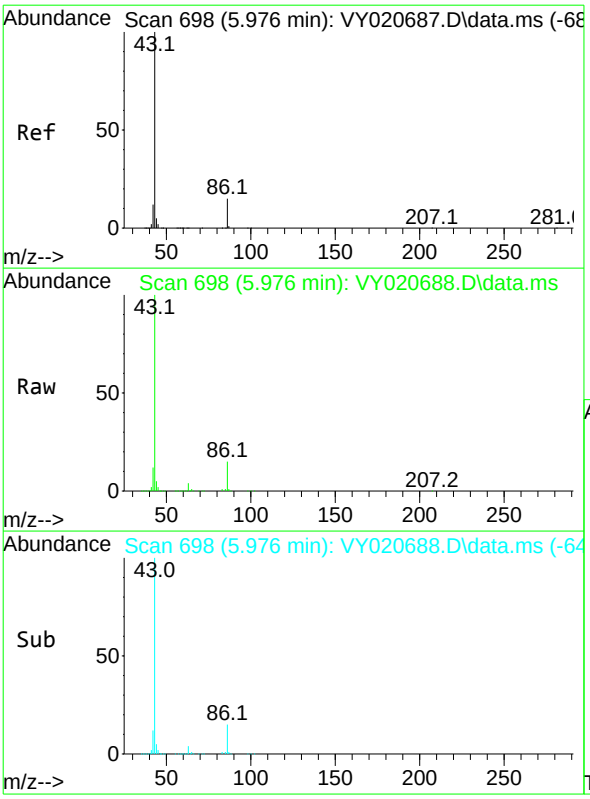


#22
Diisopropyl ether
Concen: 102.437 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 45 Resp: 188210

Ion	Ratio	Lower	Upper
45	100		
43	63.6	42.6	64.0
87	40.1	20.6	31.0#
59	12.0	8.6	13.0

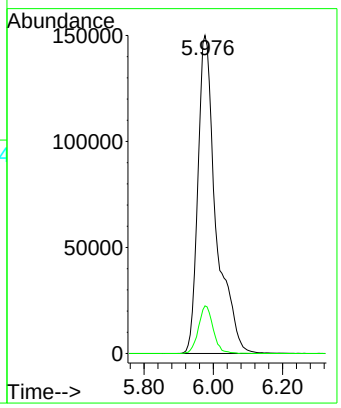




#23
Vinyl Acetate
Concen: 500.508 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 544539

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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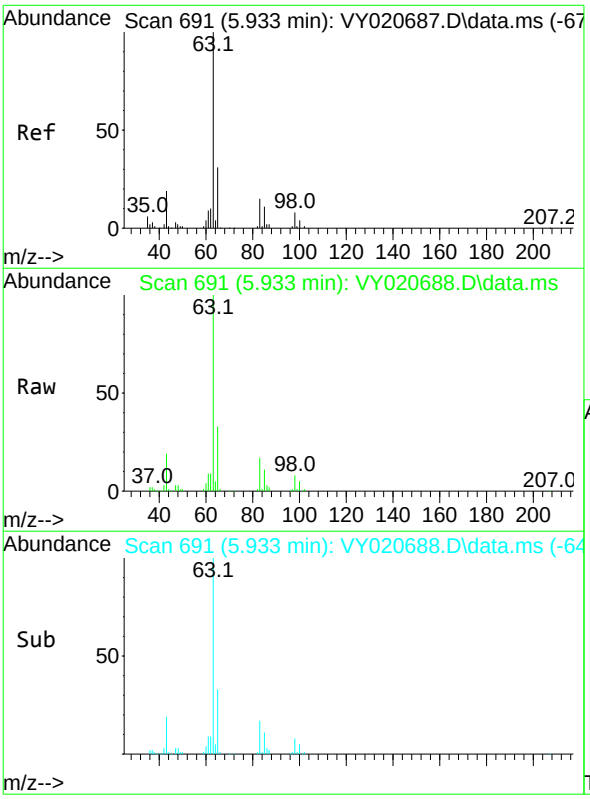
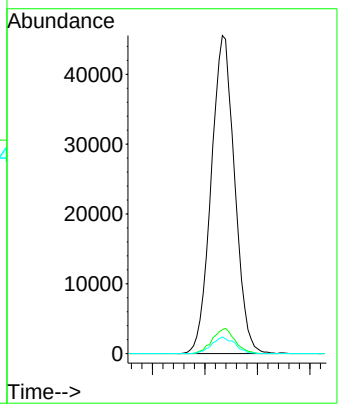
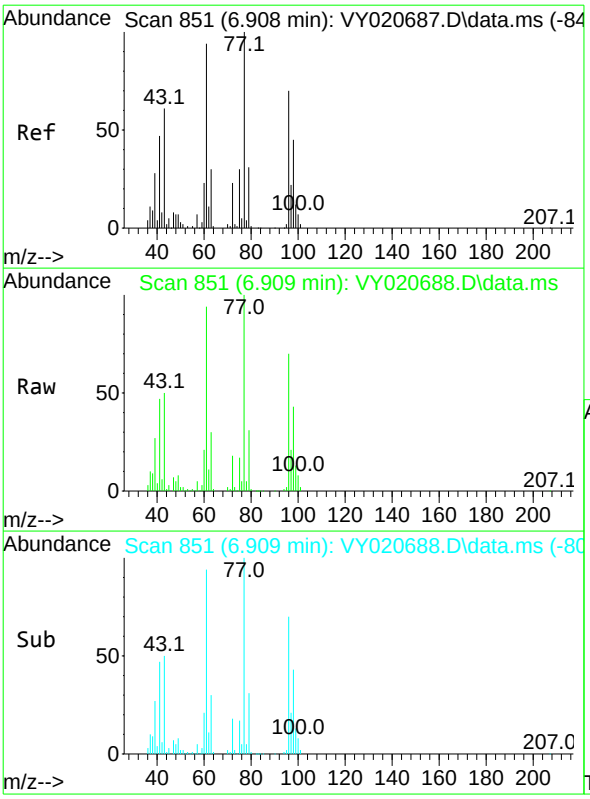


#24
1,1-Dichloroethane
Concen: 103.363 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 63 Resp: 141575

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.1
100	5.2	2.1	6.5

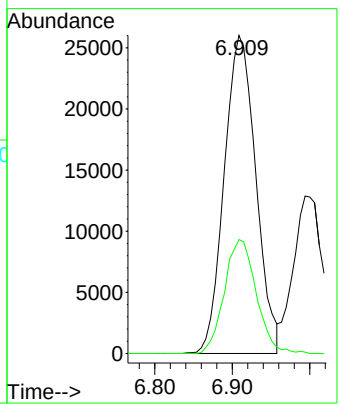




#25
2-Butanone
Concen: 452.043 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 73820

Ion	Ratio	Lower	Upper
43	100		
72	35.8	20.6	31.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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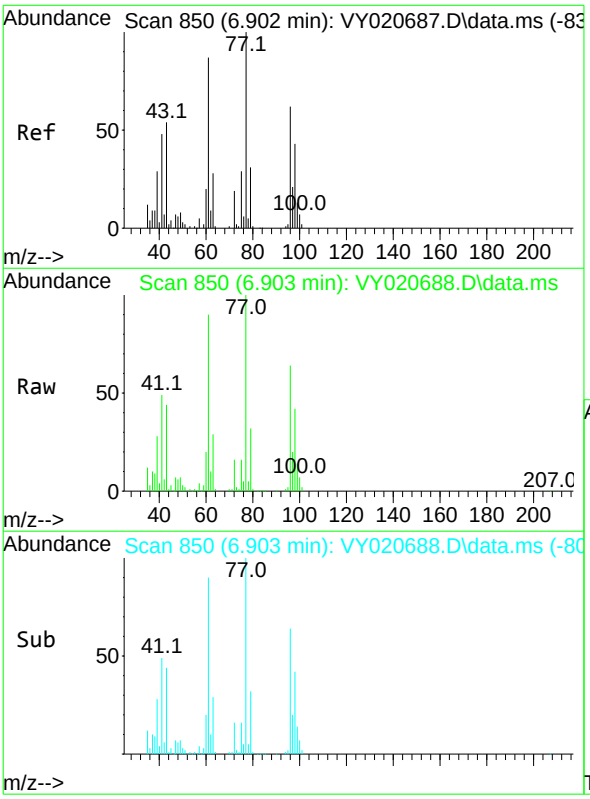
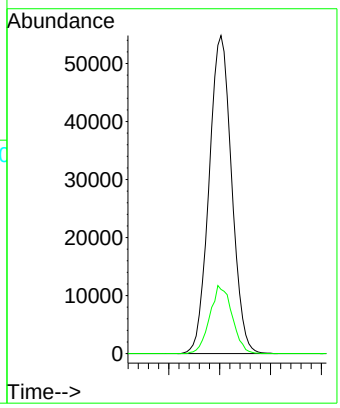
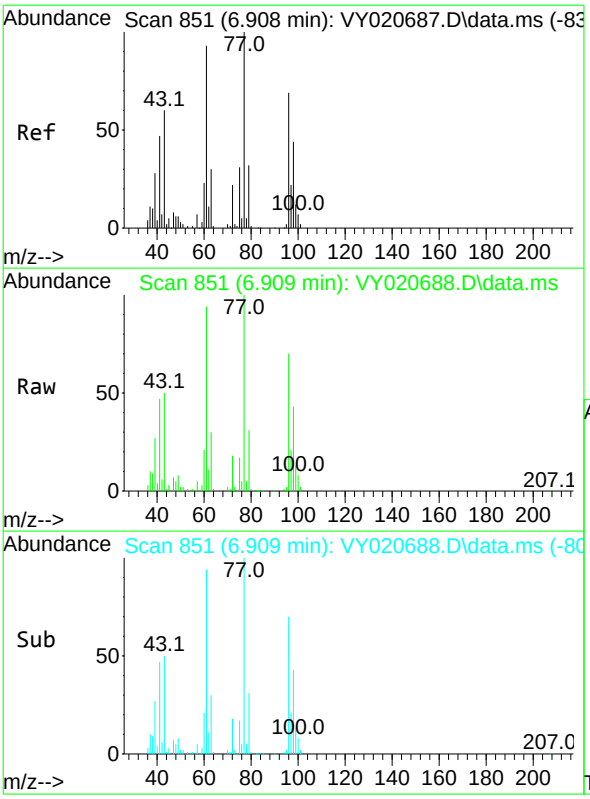


#26
2,2-Dichloropropane
Concen: 98.619 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 77 Resp: 168995

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6

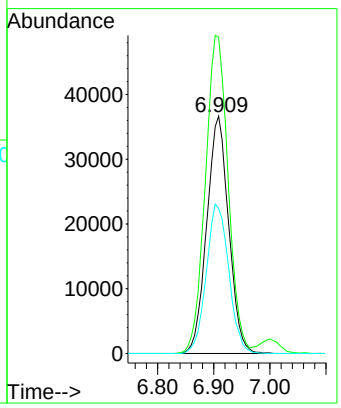




#27
cis-1,2-Dichloroethene
Concen: 101.147 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 96 Resp: 99555

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	306.2
98	64.5	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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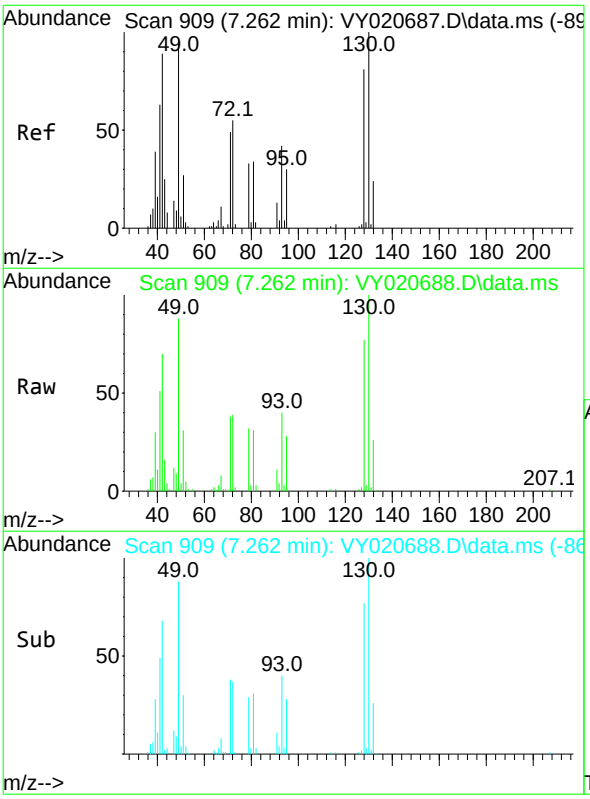
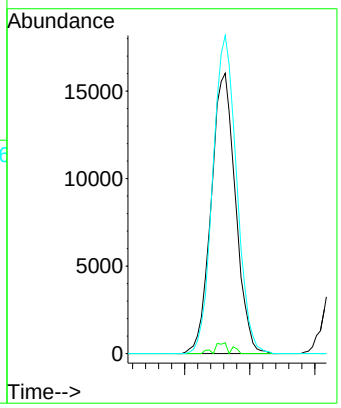
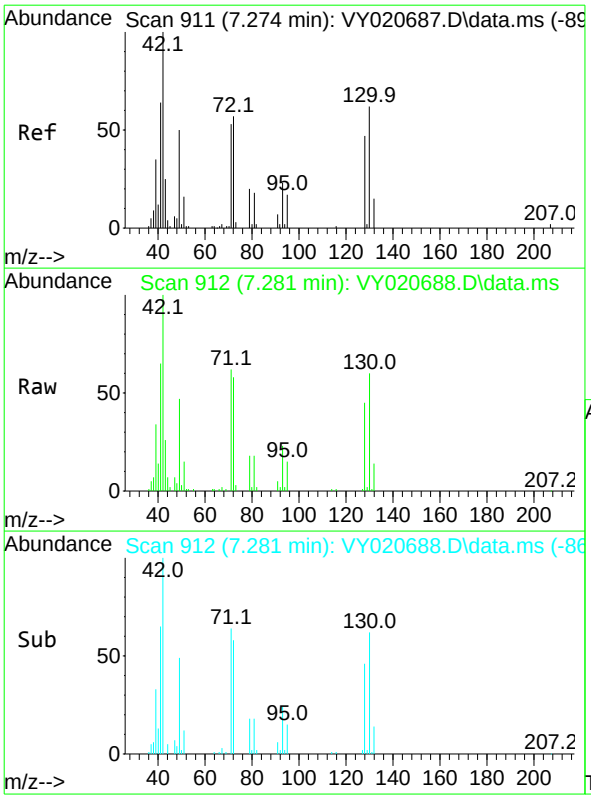


#28
Bromochloromethane
Concen: 98.532 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 49 Resp: 41610

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	111.2	58.3	87.5#

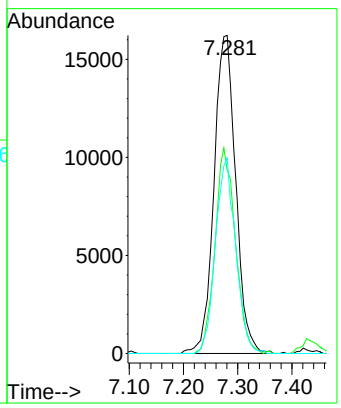




#29
Tetrahydrofuran
Concen: 469.198 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 42 Resp: 45035

Ion	Ratio	Lower	Upper
42	100		
72	60.5	34.0	51.0#
71	57.6	31.6	47.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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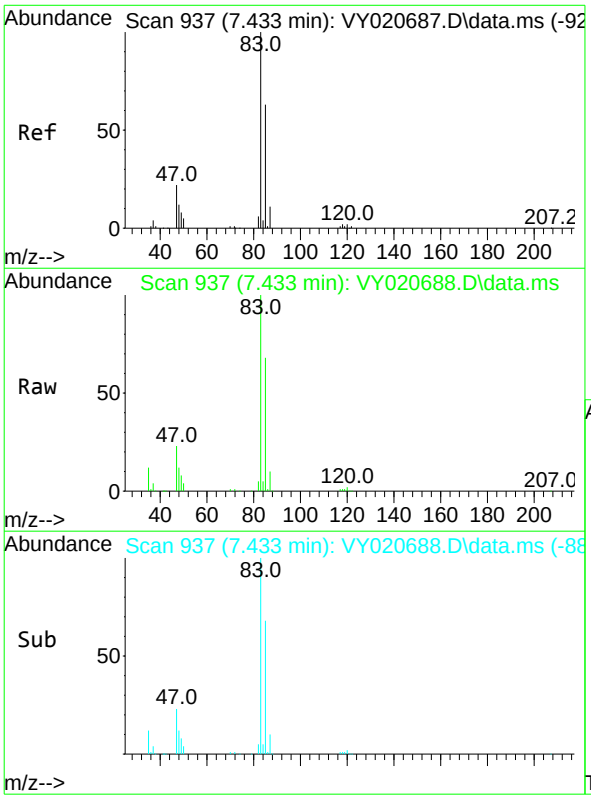
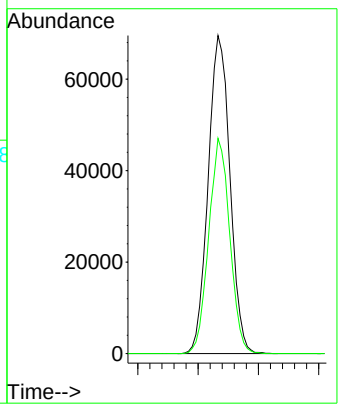
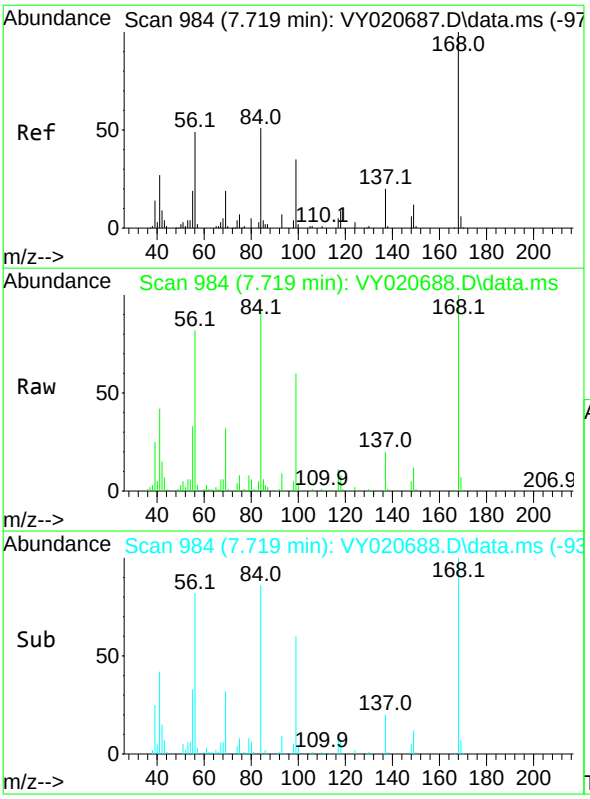


#30
Chloroform
Concen: 97.036 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 83 Resp: 174703

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.7	79.1

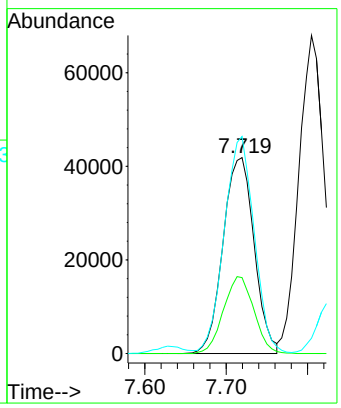




#31
Cyclohexane
Concen: 92.759 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 56 Resp: 111397

Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.4	38.0#
84	107.5	68.3	102.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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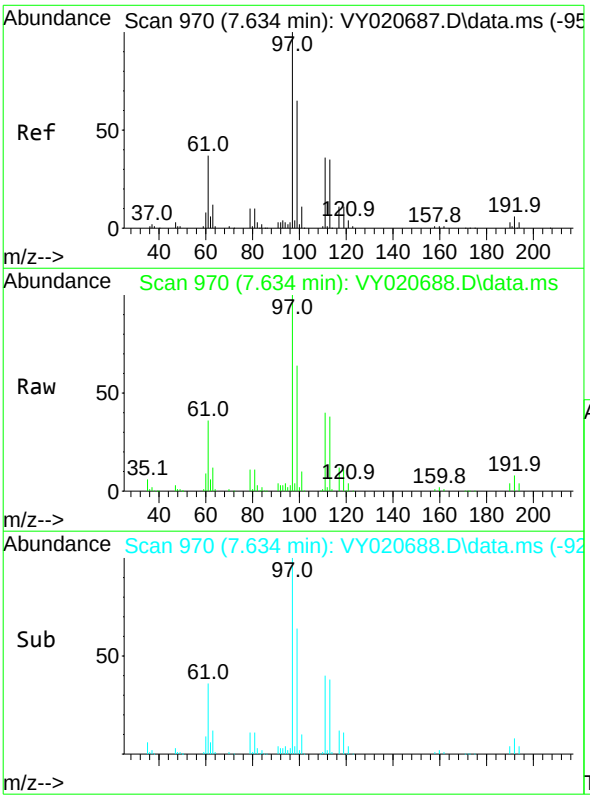
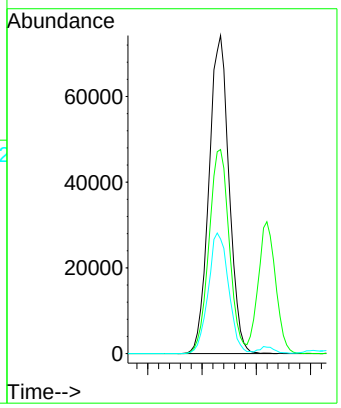
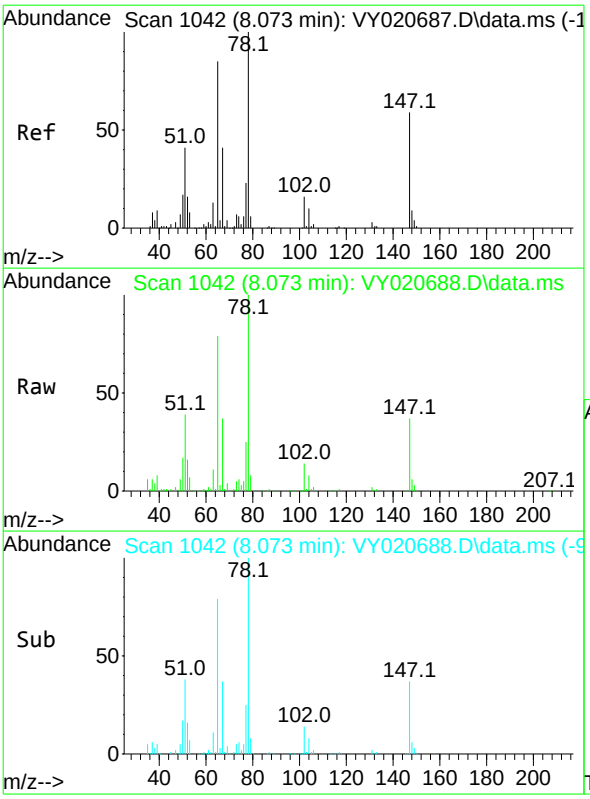


#32
1,1,1-Trichloroethane
Concen: 101.352 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 97 Resp: 190628

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	38.5	34.7	52.1

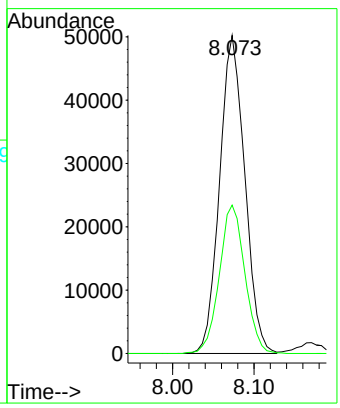




#33
1,2-Dichloroethane-d4
Concen: 105.993 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 65 Resp: 107875

Ion	Ratio	Lower	Upper
65	100		
67	47.4	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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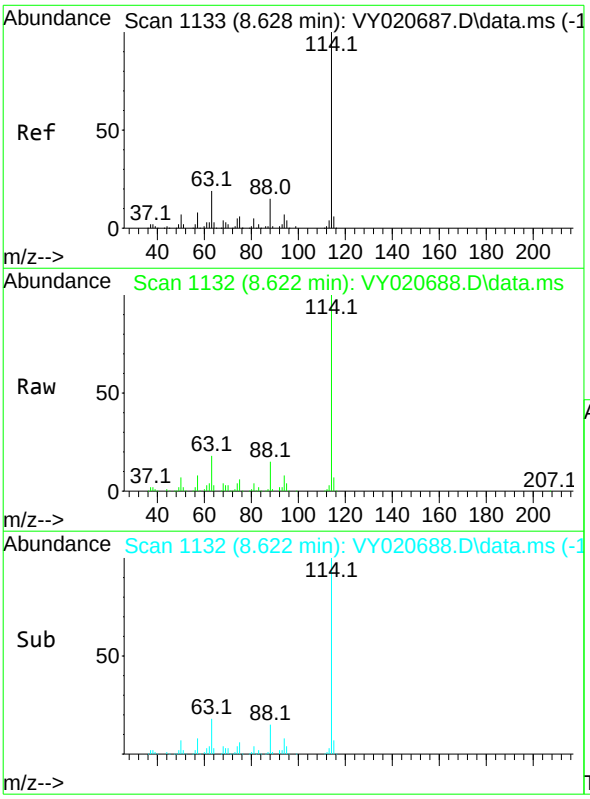
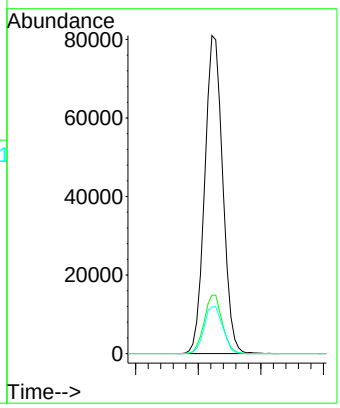
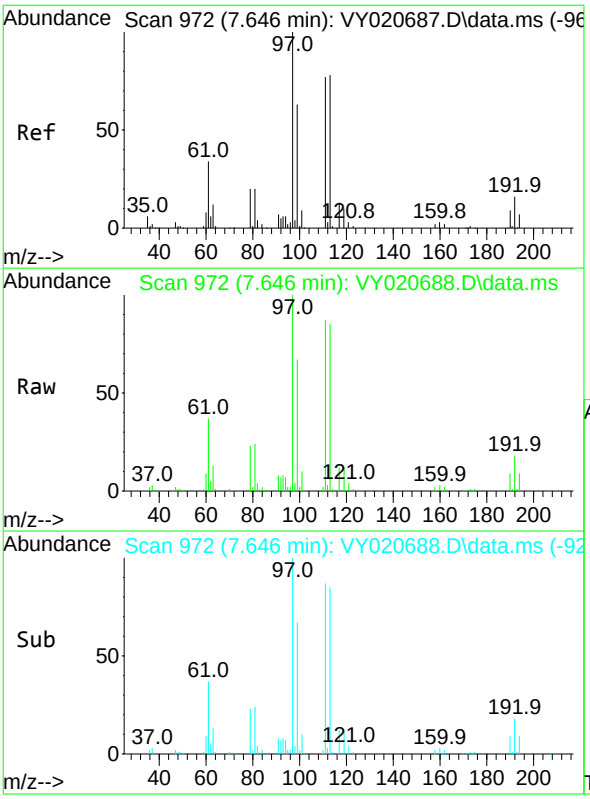


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:114 Resp: 161431

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	44.0
88	14.6	0.0	32.8

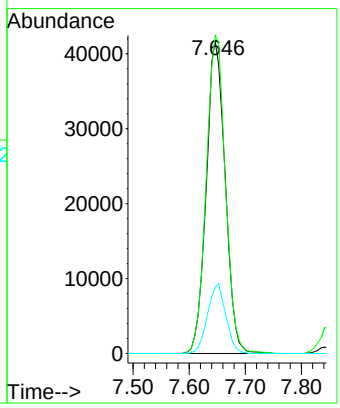




#35
Dibromofluoromethane
Concen: 103.302 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:113 Resp: 97918

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	21.5	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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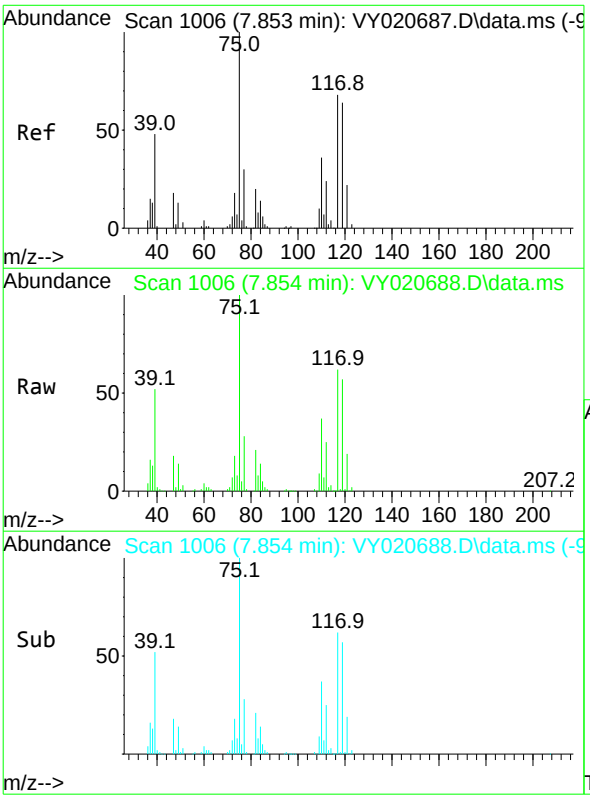
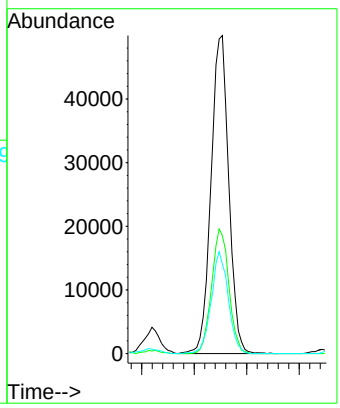
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

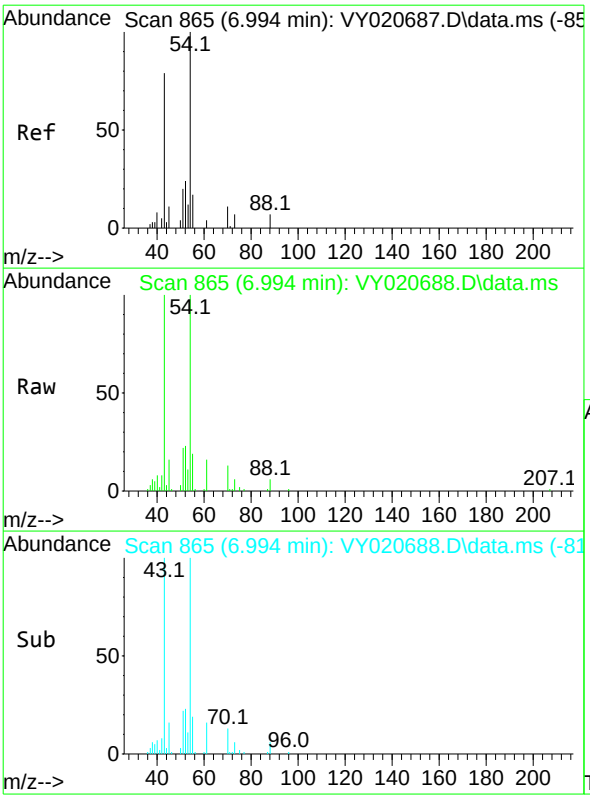


#36
1,1-Dichloropropene
Concen: 101.890 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 117395

Ion	Ratio	Lower	Upper
75	100		
110	38.1	16.8	50.4
77	30.7	25.0	37.6

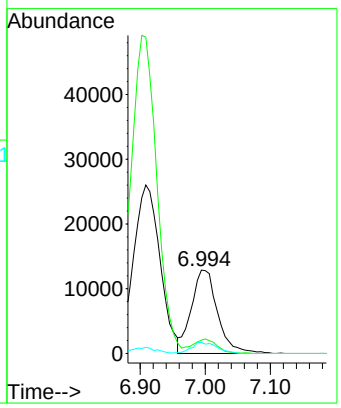




#37
Ethyl Acetate
Concen: 95.946 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 36128

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	12.9	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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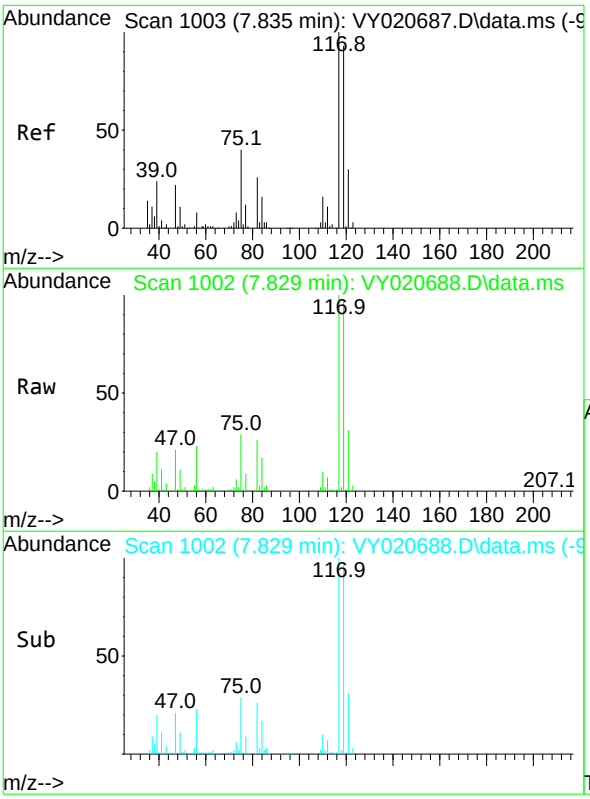
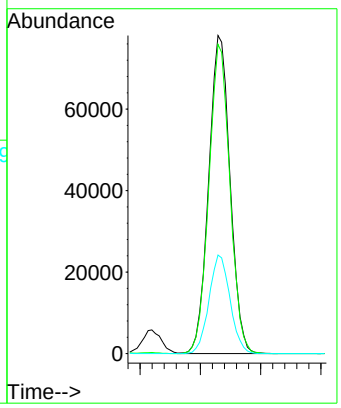
Supervised By :Mahesh Dadoda 12/26/2024

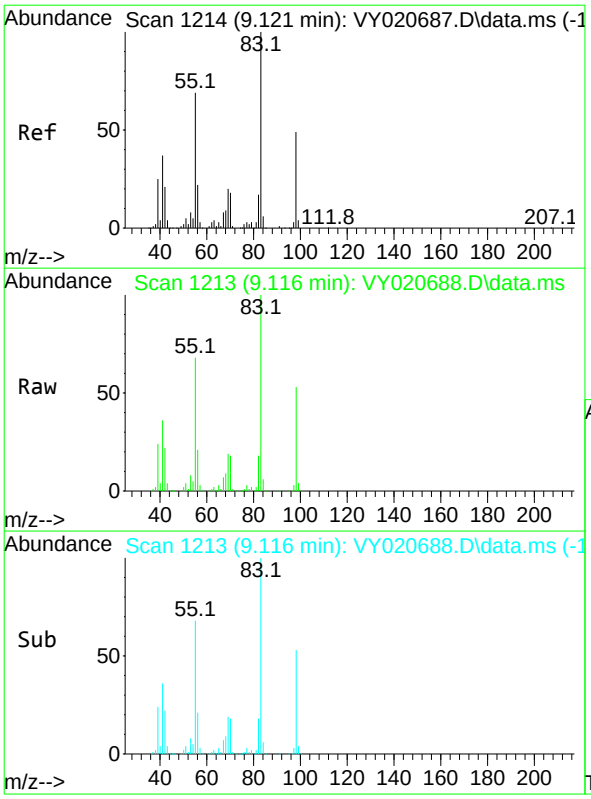


#38
Carbon Tetrachloride
Concen: 103.099 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:117 Resp: 192226

Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.3	117.5
121	31.0	25.1	37.7

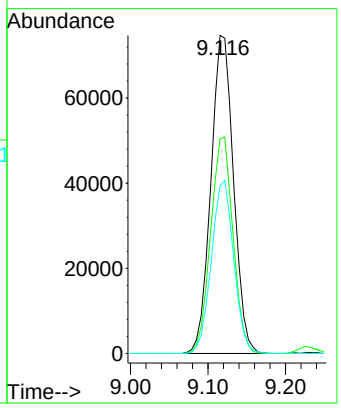




#39
Methylcyclohexane
Concen: 103.478 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 83 Resp: 151542

Ion	Ratio	Lower	Upper
83	100		
55	67.5	61.4	92.0
98	52.7	37.3	55.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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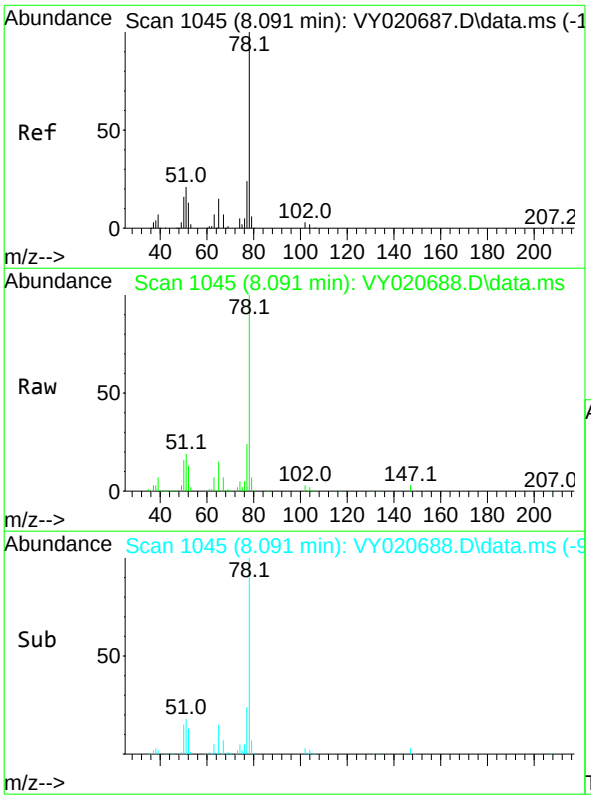
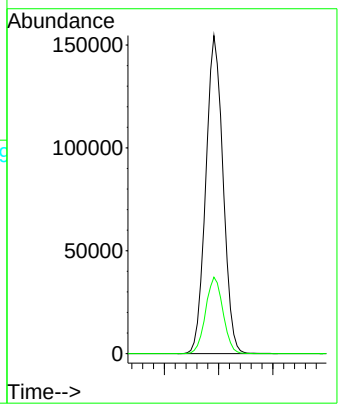
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

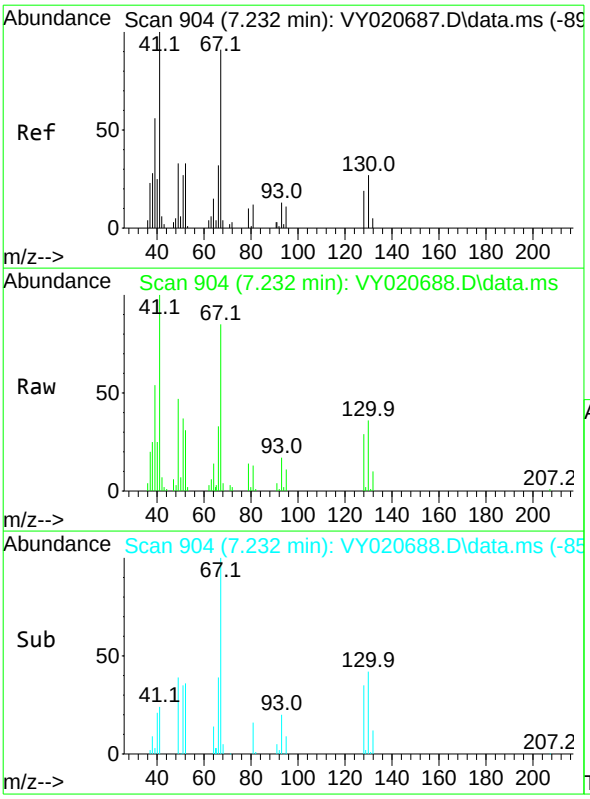


#40
Benzene
Concen: 102.685 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 78 Resp: 341310

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1

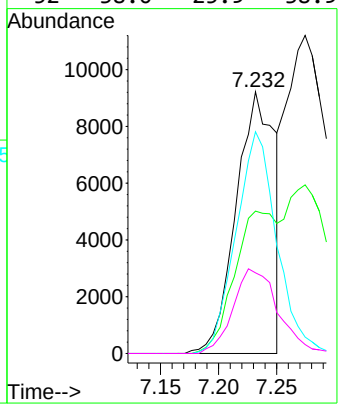




#41
Methacrylonitrile
Concen: 99.583 ug/l
RT: 7.232 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 41 Resp: 21222

Ion	Ratio	Lower	Upper
41	100		
39	59.3	53.6	80.4
67	89.9	62.0	93.0
52	38.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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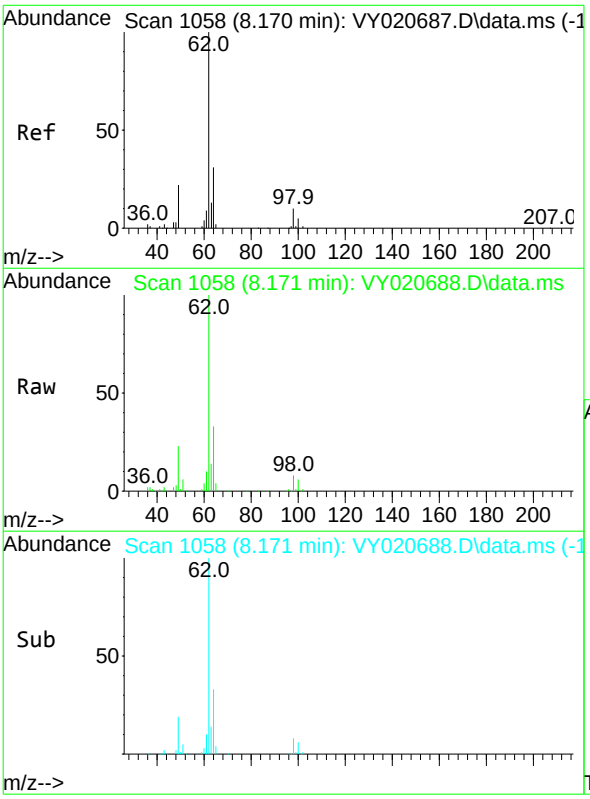
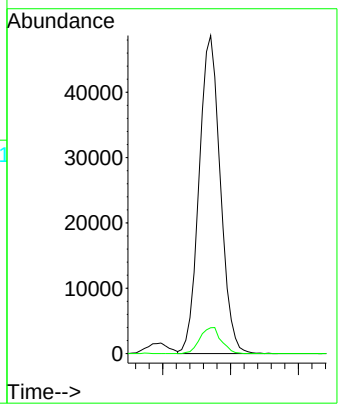
Supervised By :Mahesh Dadoda 12/26/2024

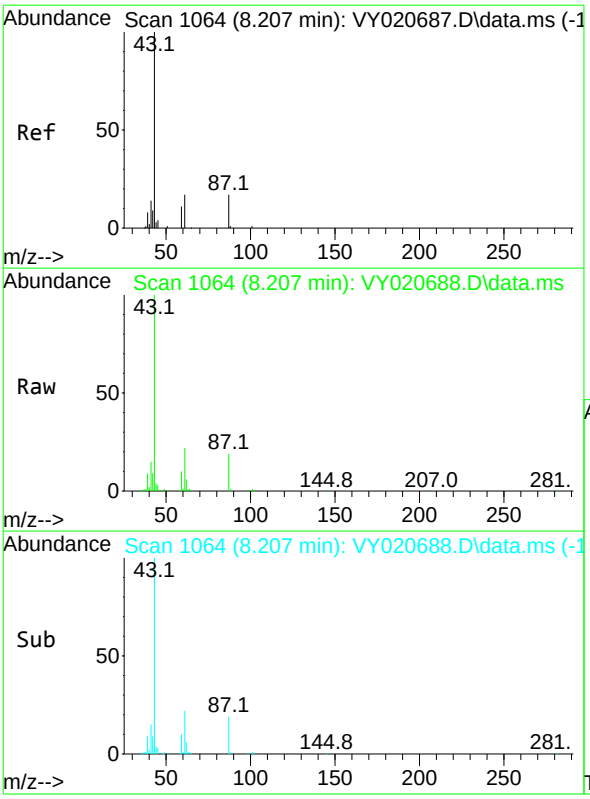


#42
1,2-Dichloroethane
Concen: 99.903 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 62 Resp: 105608

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.0

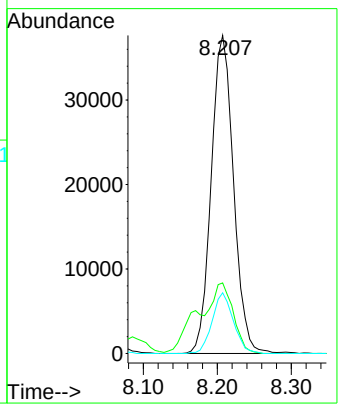




#43
Isopropyl Acetate
Concen: 100.794 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 78883

Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.8	35.6#
87	18.1	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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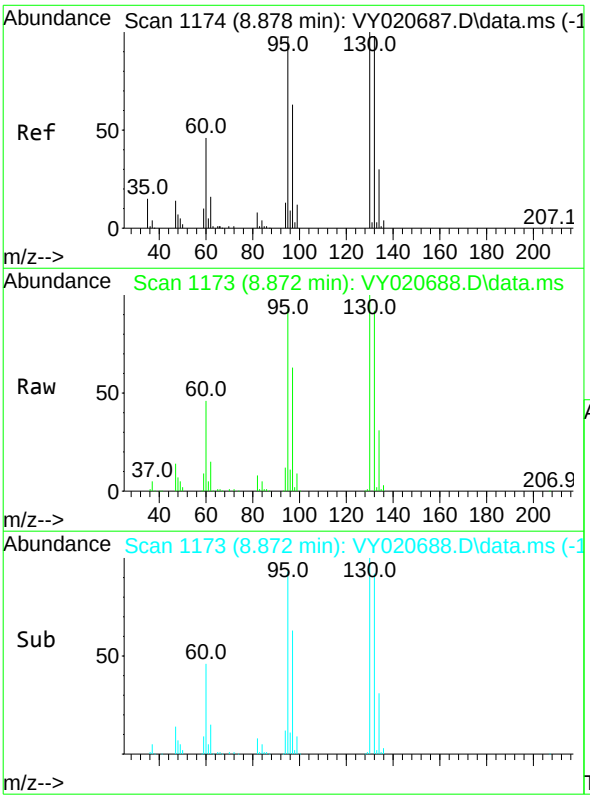
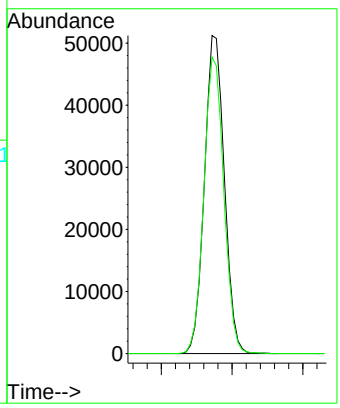
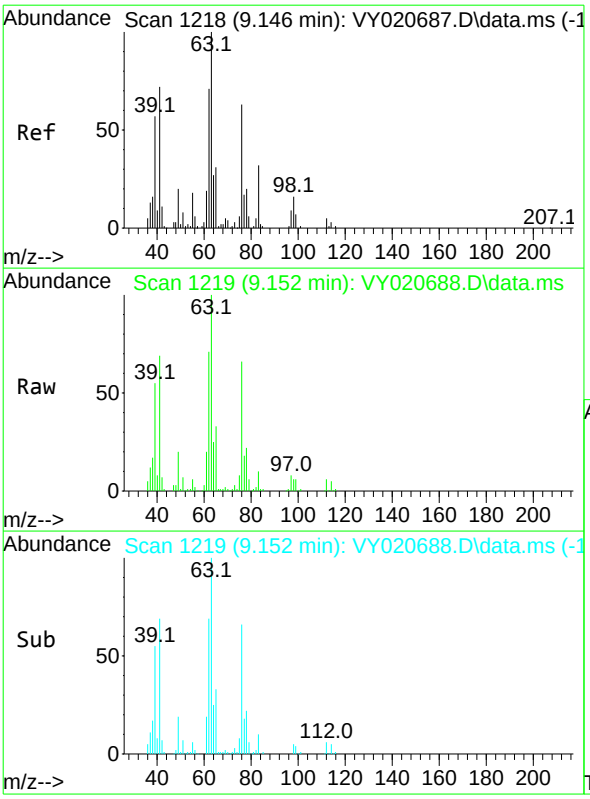


#44
Trichloroethene
Concen: 101.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:130 Resp: 100237

Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	203.2

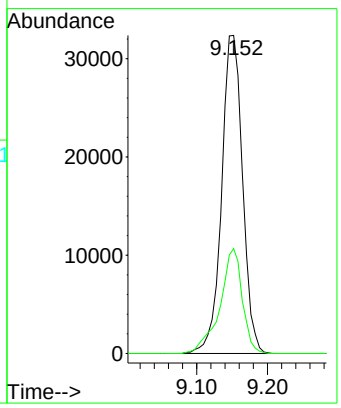




#45
1,2-Dichloropropane
Concen: 101.903 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 63 Resp: 66549

Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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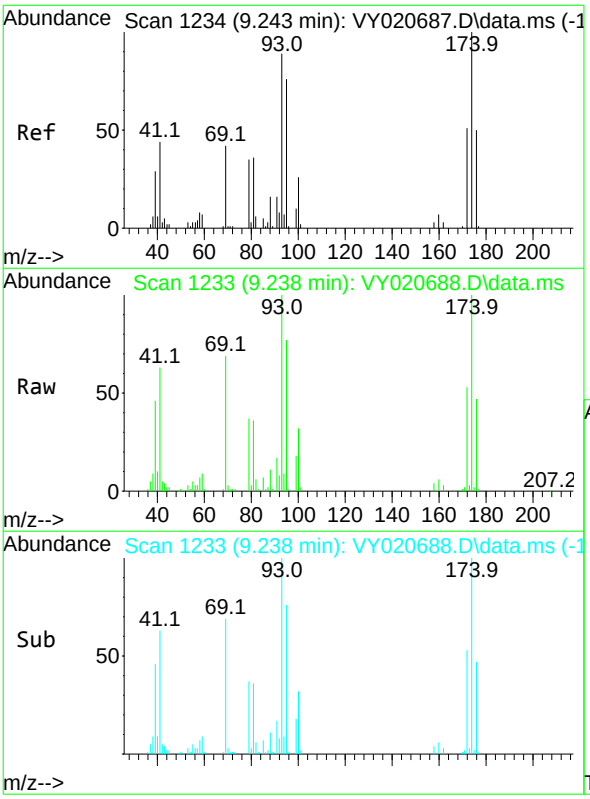
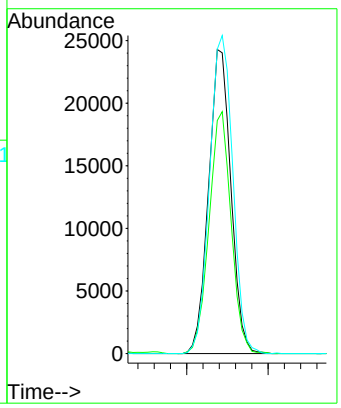
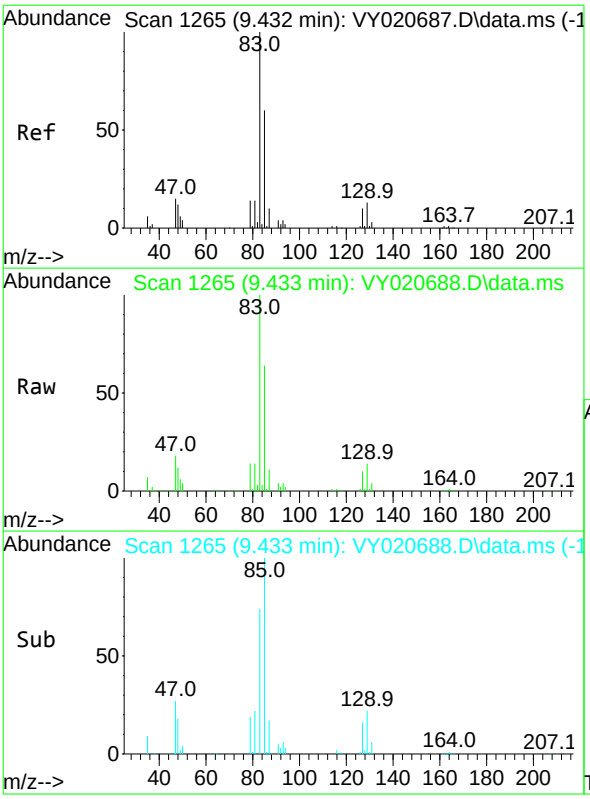


#46
Dibromomethane
Concen: 102.813 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 93 Resp: 46353

Ion	Ratio	Lower	Upper
93	100		
95	78.5	66.7	100.1
174	108.6	77.8	116.6

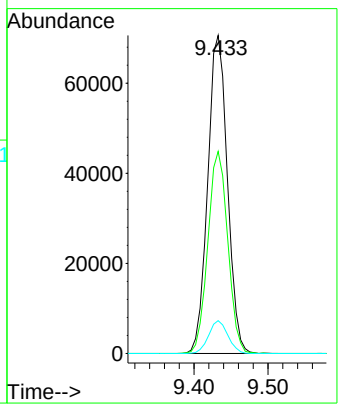




#47
Bromodichloromethane
Concen: 102.003 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 83 Resp: 130454

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1
127	10.3	6.7	10.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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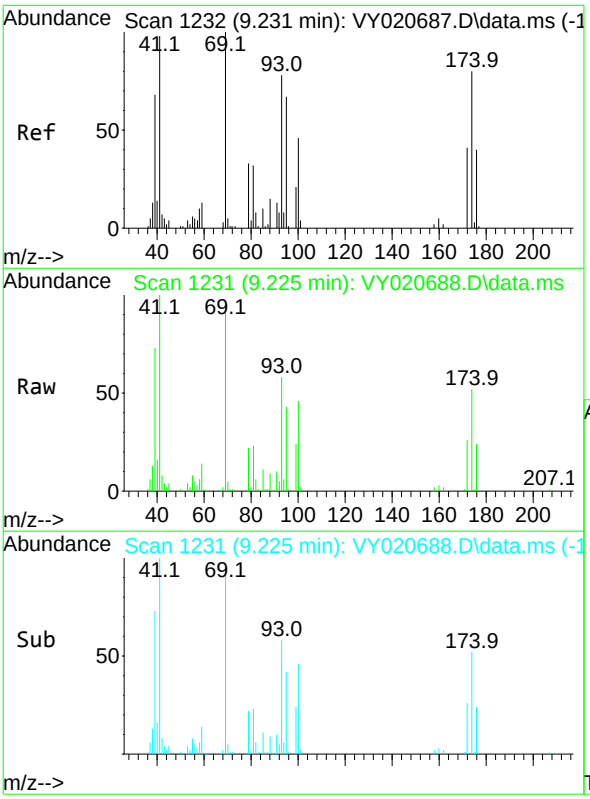
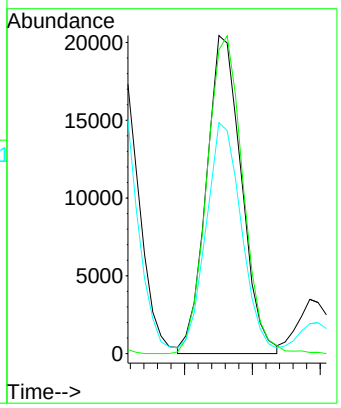
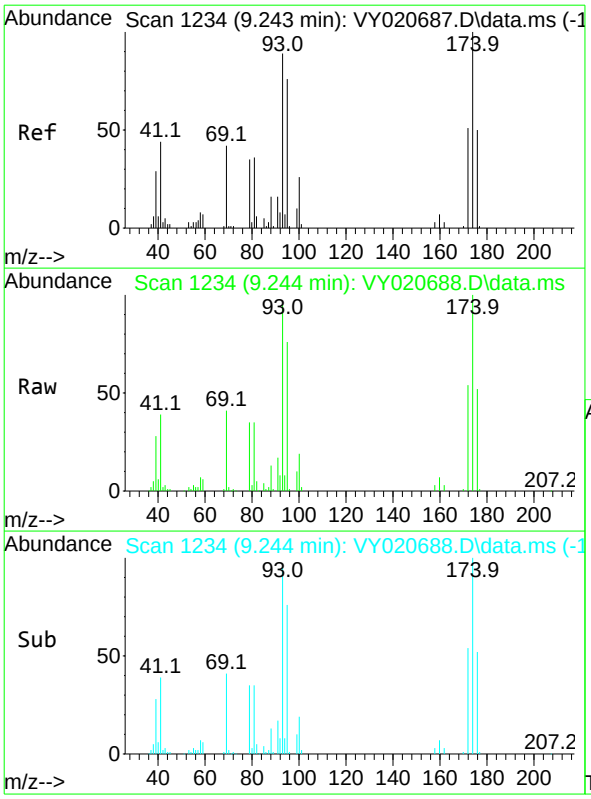


#48
Methyl methacrylate
Concen: 98.826 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 41 Resp: 36664

Ion	Ratio	Lower	Upper
41	100		
69	102.6	67.2	100.8#
39	70.5	42.2	63.4#





#49
1,4-Dioxane
Concen: 1770.697 ug/l
RT: 9.244 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 88 Resp: 8370

Ion	Ratio	Lower	Upper
88	100		
43	29.8	27.6	41.4
58	62.2	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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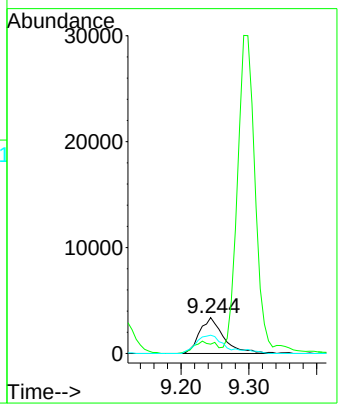
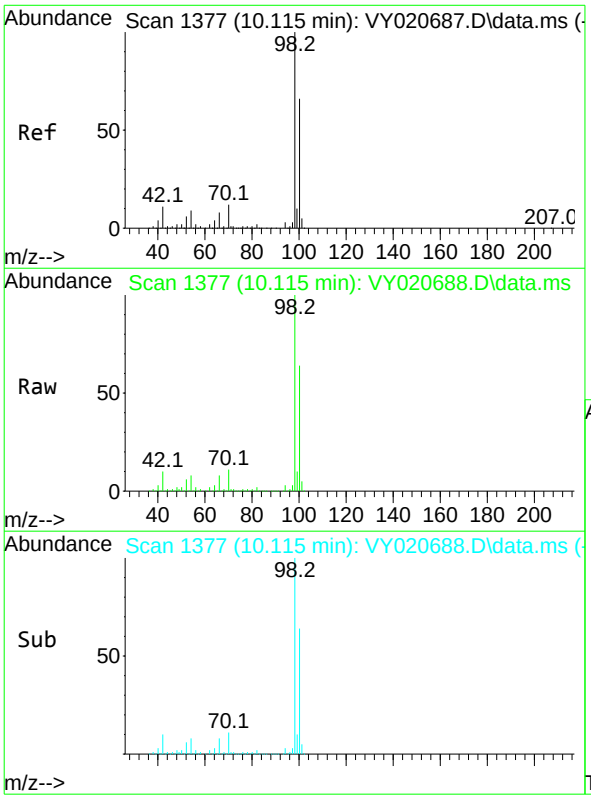
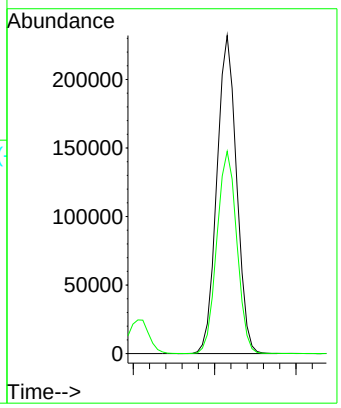


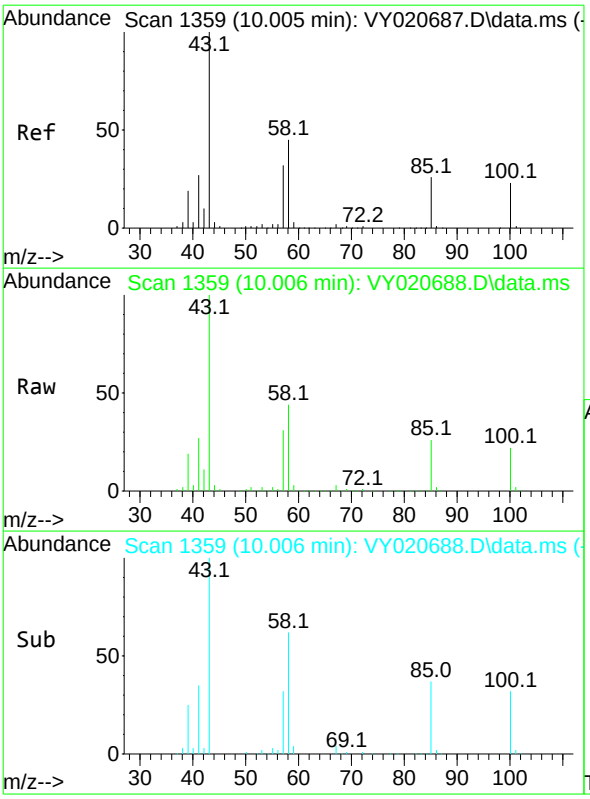


#50
Toluene-d8
Concen: 113.343 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 98 Resp: 390215

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

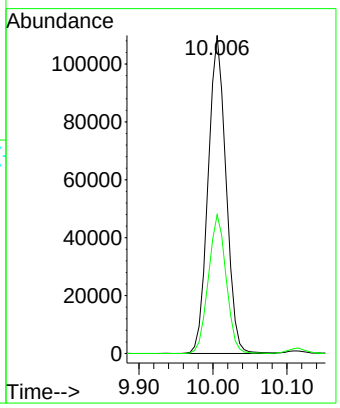




#51
4-Methyl-2-Pentanone
Concen: 471.139 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 184189

Ion	Ratio	Lower	Upper
43	100		
58	43.2	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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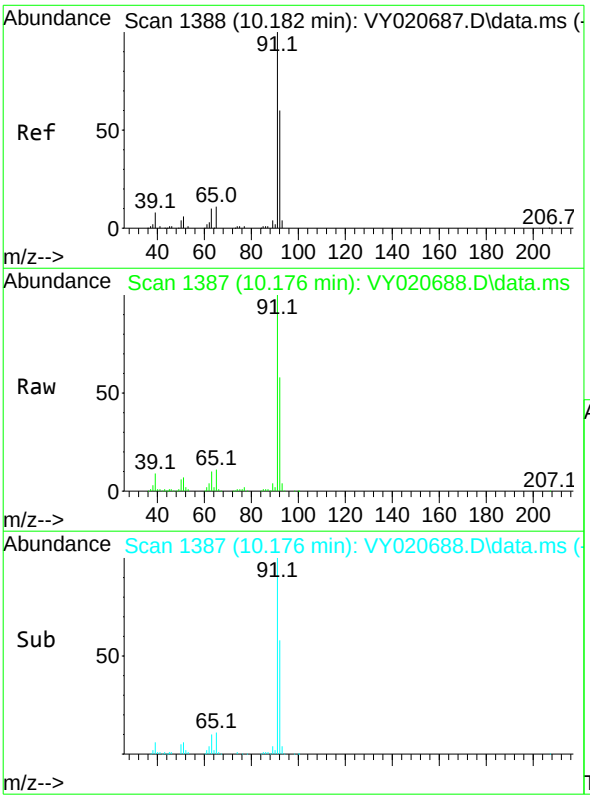
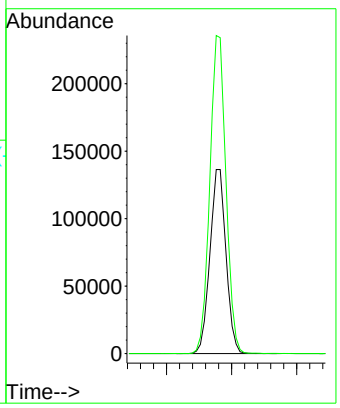
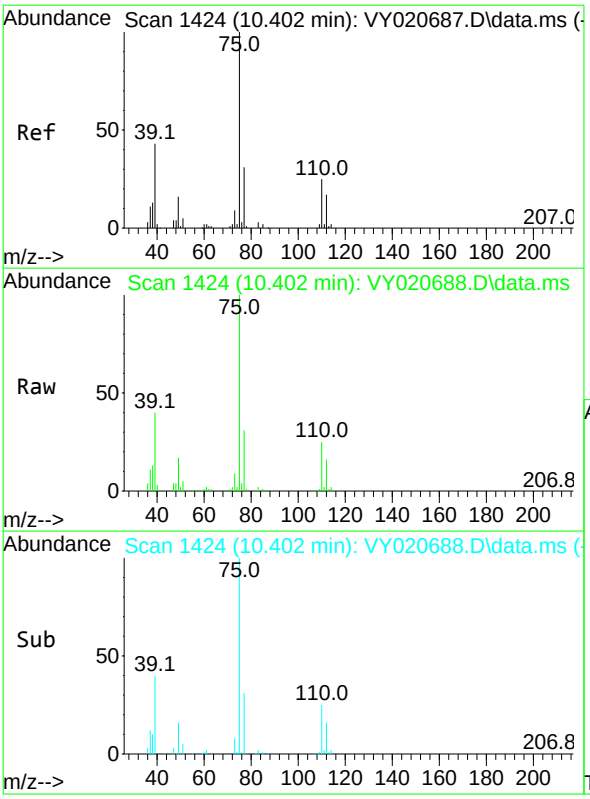


#52
Toluene
Concen: 103.116 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 92 Resp: 233399

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.0

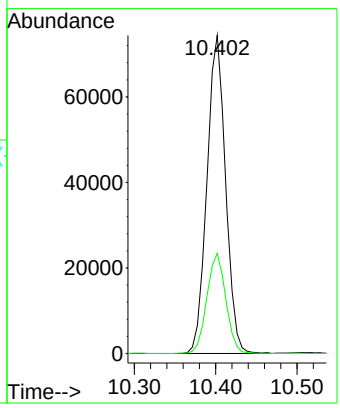




#53
t-1,3-Dichloropropene
Concen: 104.556 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 118321

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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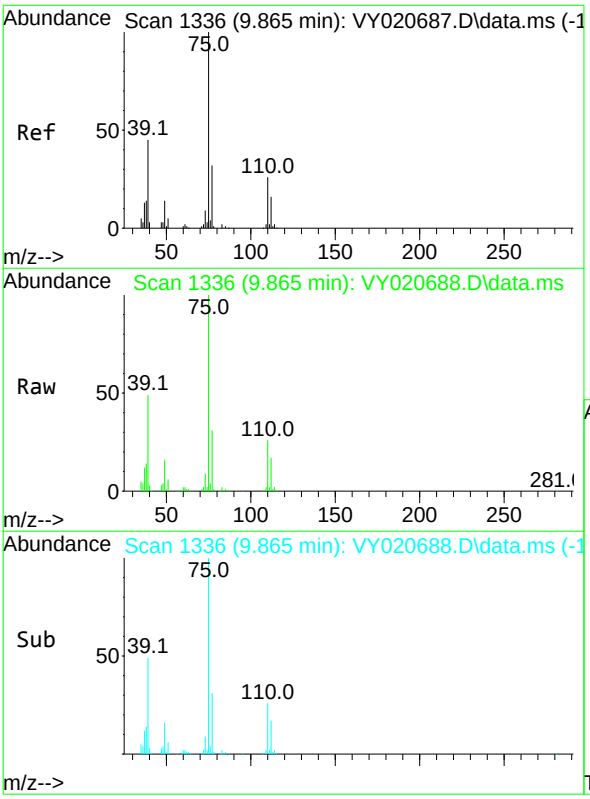
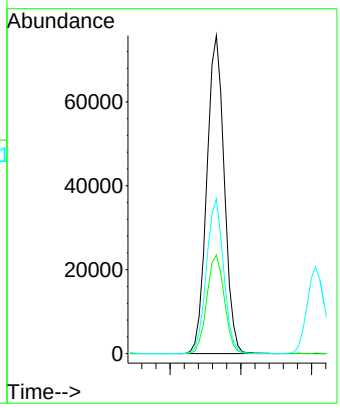
Supervised By :Mahesh Dadoda 12/26/2024

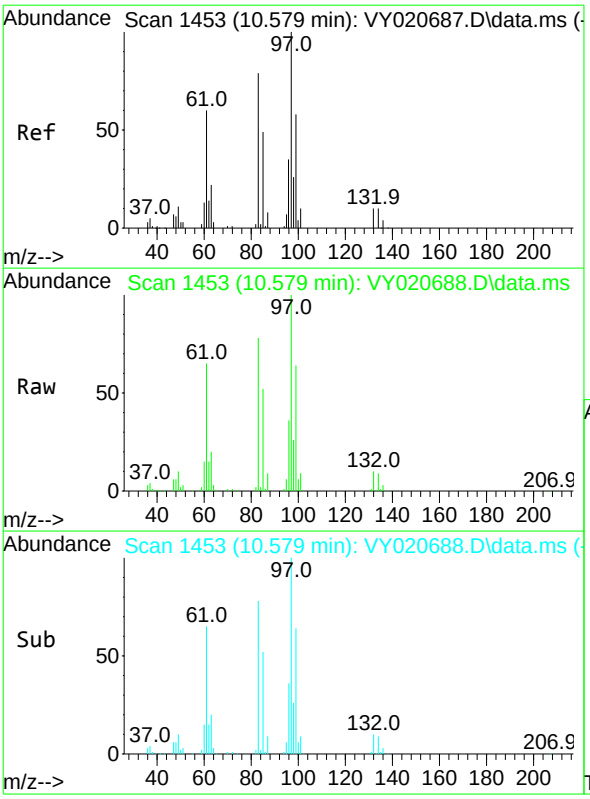


#54
cis-1,3-Dichloropropene
Concen: 103.980 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 129658

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	48.7	36.4	54.6

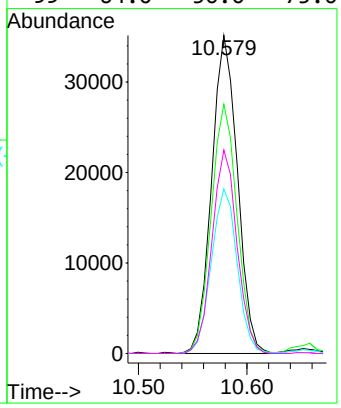




#55
1,1,2-Trichloroethane
Concen: 99.500 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 97 Resp: 58085

Ion	Ratio	Lower	Upper
97	100		
83	78.4	70.4	105.6
85	51.7	47.2	70.8
99	64.0	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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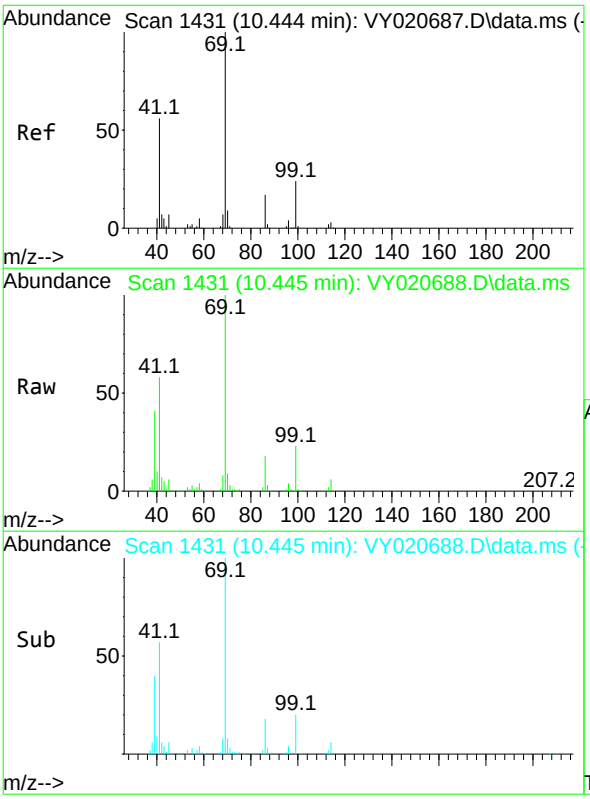
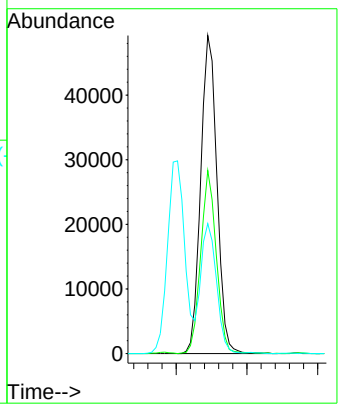
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

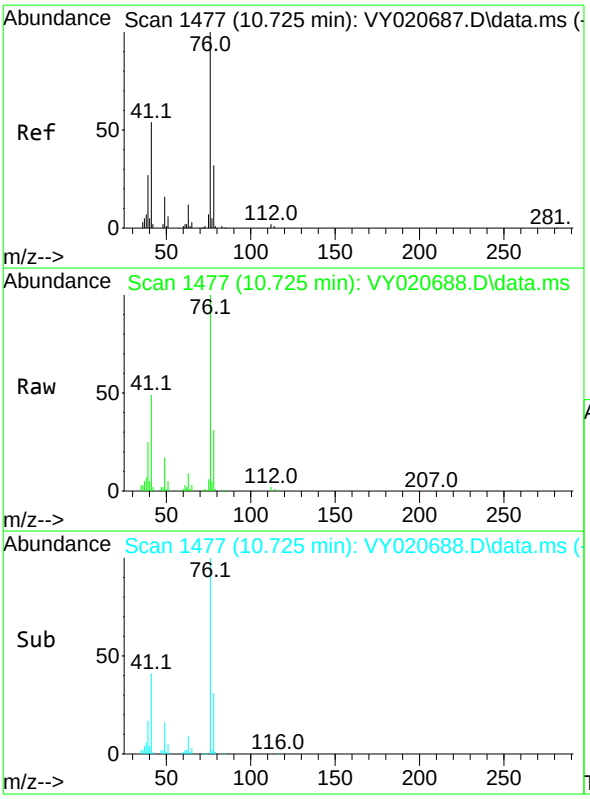


#56
Ethyl methacrylate
Concen: 105.543 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 69 Resp: 78593

Ion	Ratio	Lower	Upper
69	100		
41	55.4	54.0	81.0
39	38.6	27.9	41.9

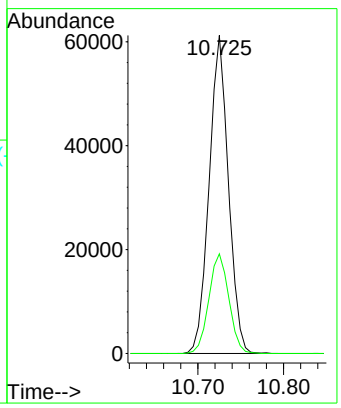




#57
1,3-Dichloropropane
Concen: 100.174 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 76 Resp: 95590

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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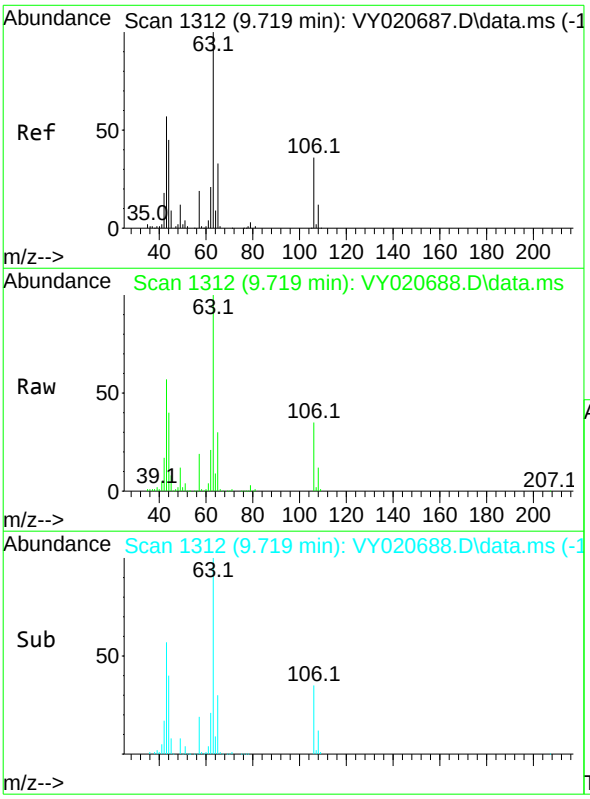
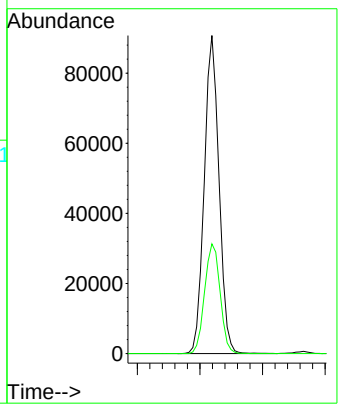
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

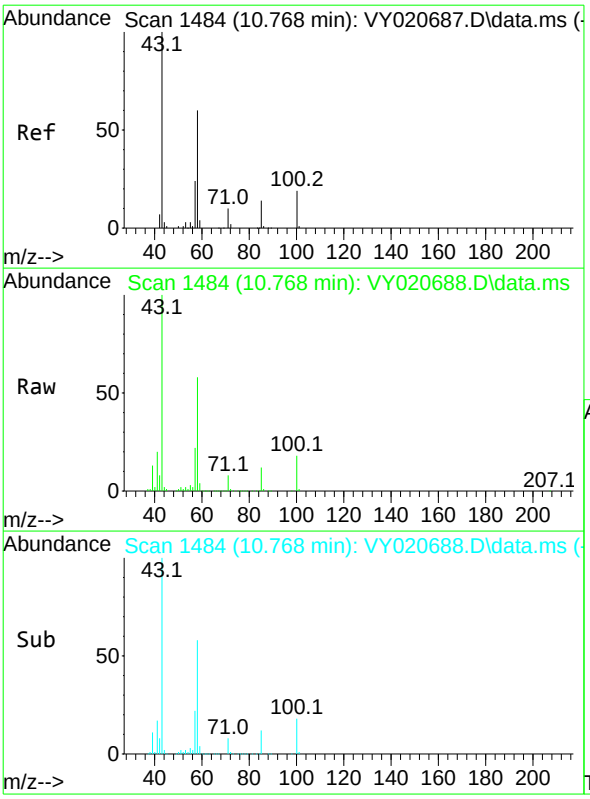


#58
2-Chloroethyl Vinyl ether
Concen: 533.514 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 63 Resp: 148461

Ion	Ratio	Lower	Upper
63	100		
106	36.2	21.5	32.3#

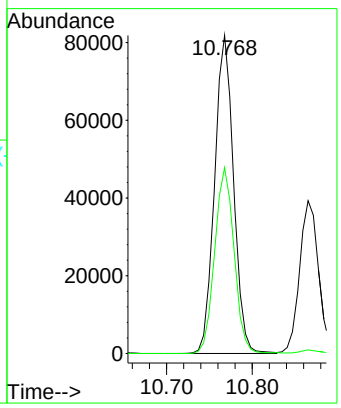




#59
2-Hexanone
Concen: 506.636 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 126162

Ion	Ratio	Lower	Upper
43	100		
58	59.6	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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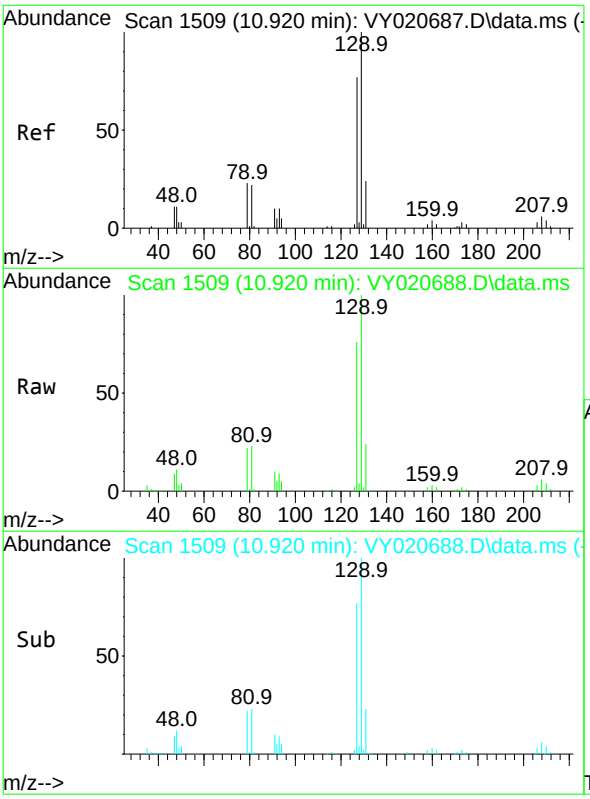
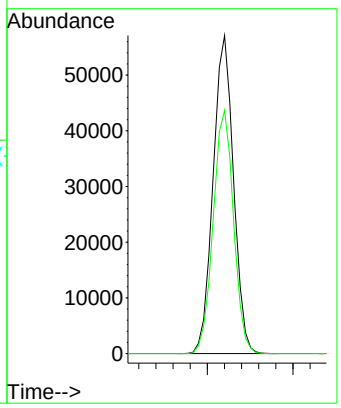
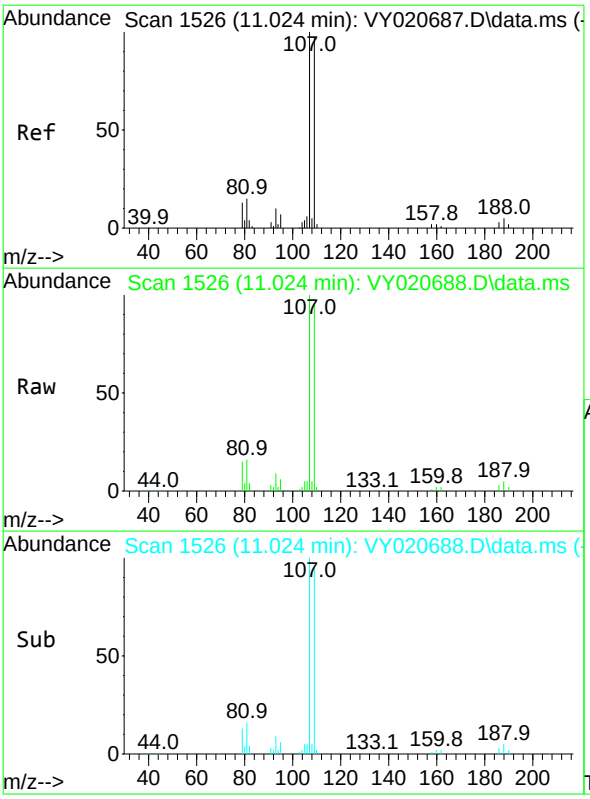


#60
Dibromochloromethane
Concen: 101.284 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:129 Resp: 94400

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.3

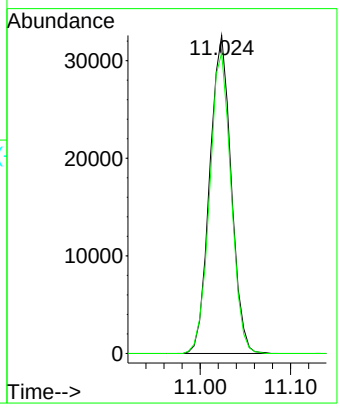




#61
1,2-Dibromoethane
Concen: 98.200 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:107 Resp: 53742

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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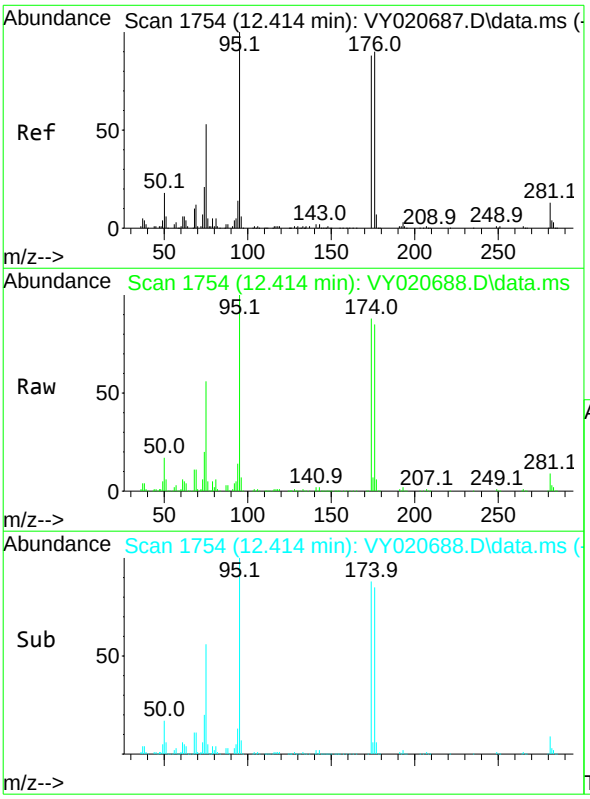
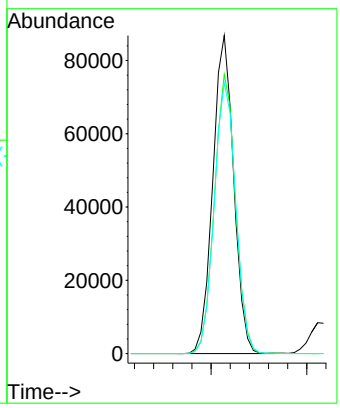
Supervised By :Mahesh Dadoda 12/26/2024

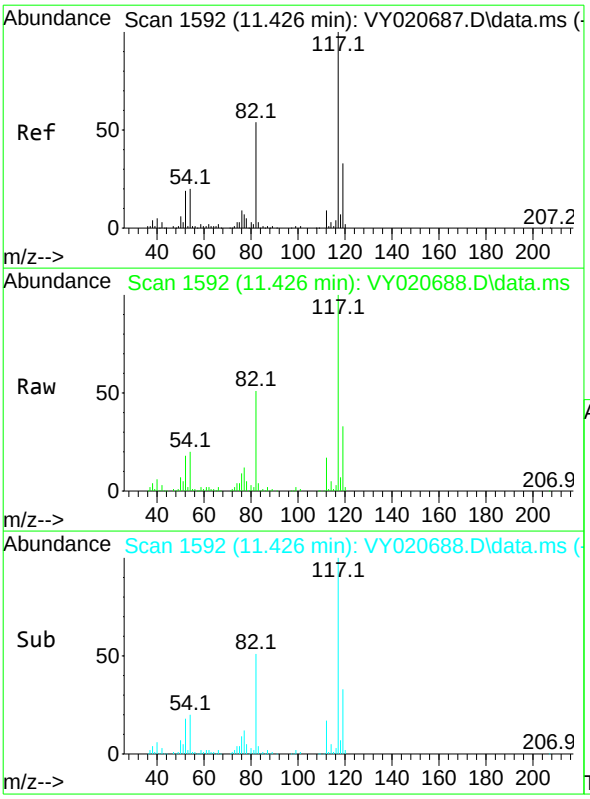


#62
4-Bromofluorobenzene
Concen: 105.052 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 95 Resp: 131639

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	161.8
176	87.5	0.0	156.6

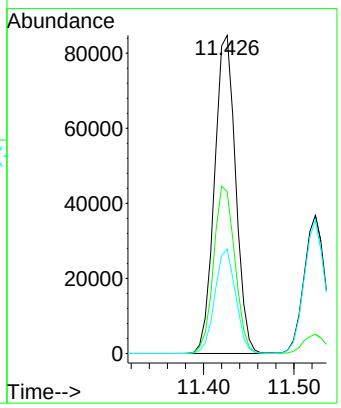




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:117 Resp: 137595

Ion	Ratio	Lower	Upper
117	100		
82	50.8	45.8	68.6
119	32.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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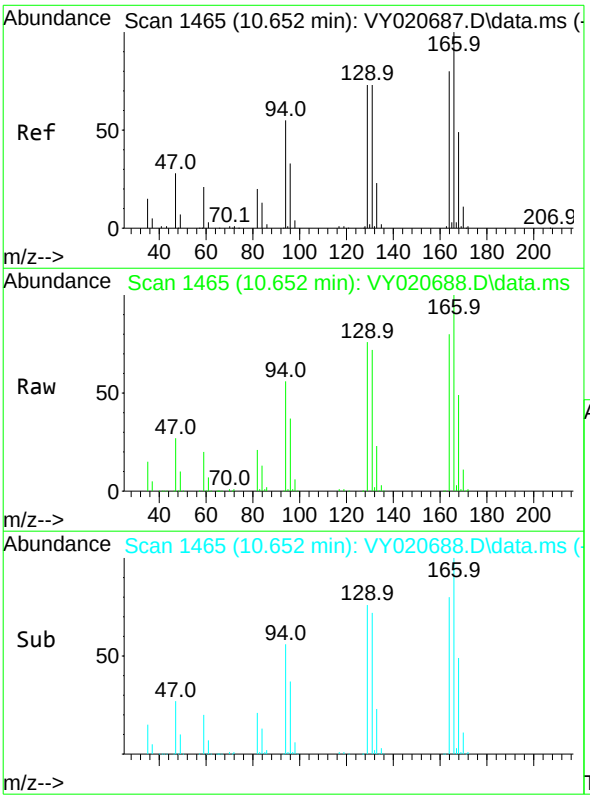
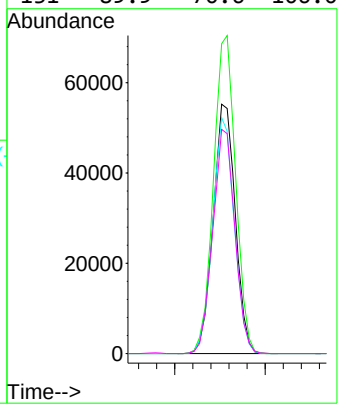
Supervised By :Mahesh Dadoda 12/26/2024

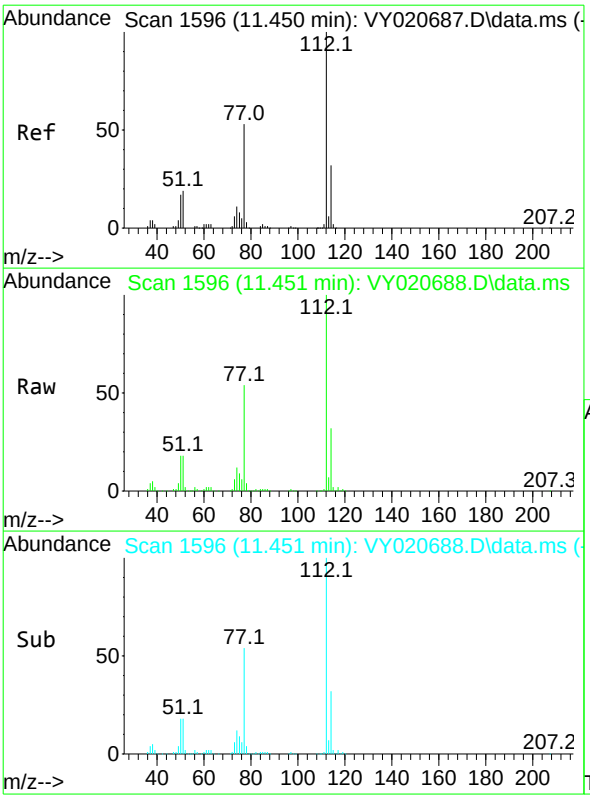


#64
Tetrachloroethene
Concen: 102.542 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:164 Resp: 93704

Ion	Ratio	Lower	Upper
164	100		
166	124.3	97.9	146.9
129	94.6	73.4	110.0
131	89.9	70.6	106.0

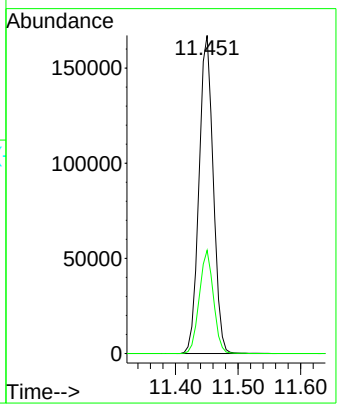




#65
Chlorobenzene
Concen: 102.339 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:112 Resp: 263137

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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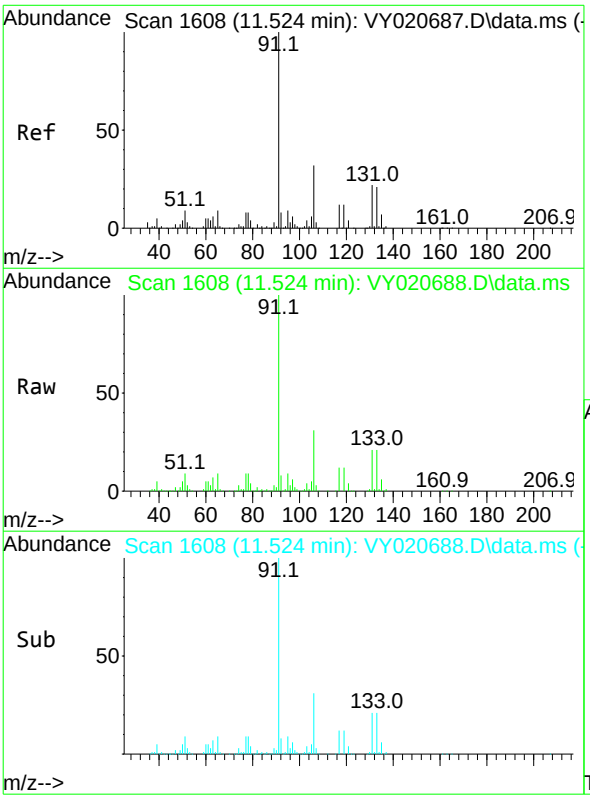
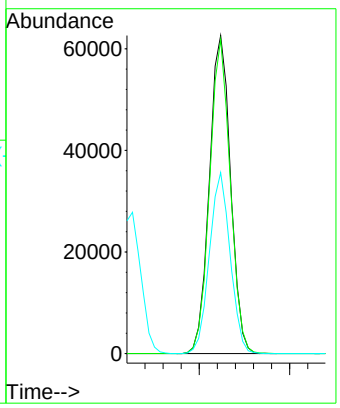
Supervised By :Mahesh Dadoda 12/26/2024

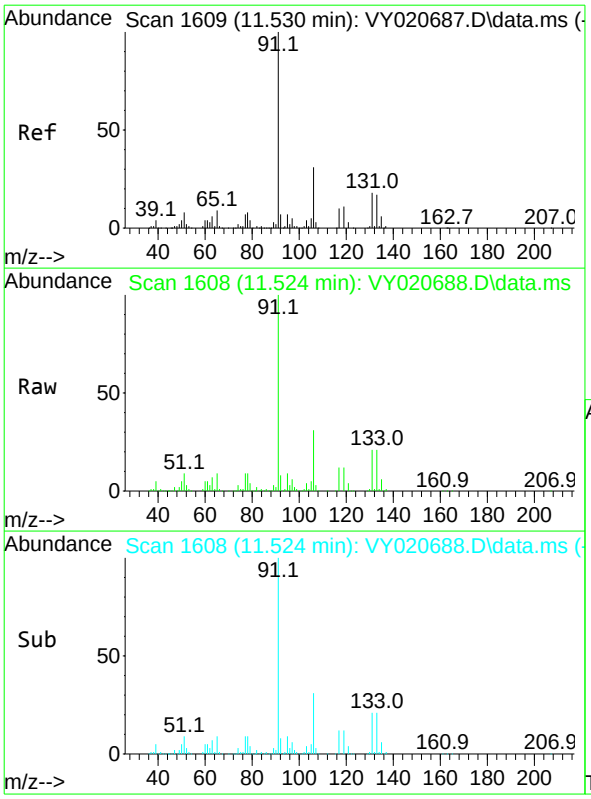


#66
1,1,1,2-Tetrachloroethane
Concen: 101.181 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:131 Resp: 101593

Ion	Ratio	Lower	Upper
131	100		
133	96.0	46.8	140.3
119	55.9	31.8	95.3

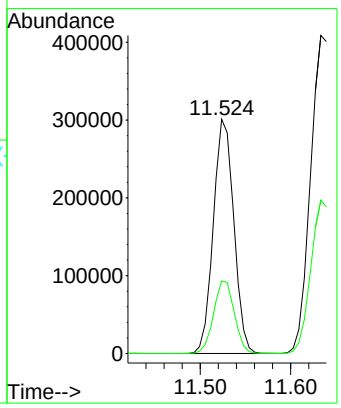




#67
Ethyl Benzene
Concen: 102.747 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 473982

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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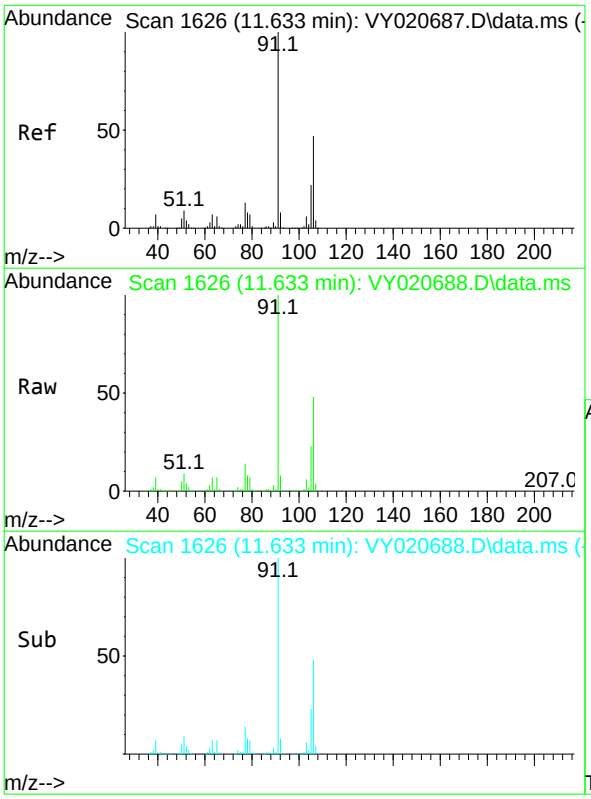
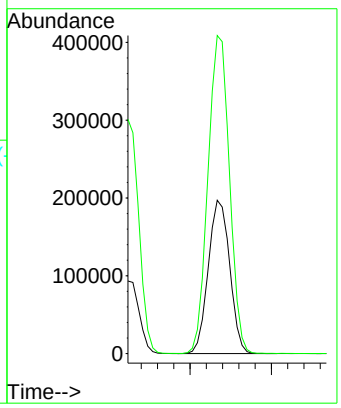
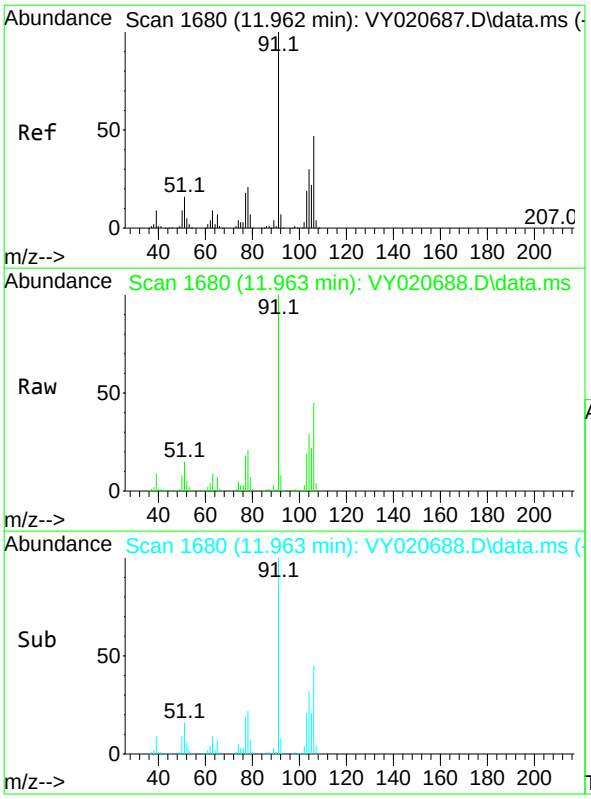


#68
m/p-Xylenes
Concen: 205.313 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:106 Resp: 361168

Ion	Ratio	Lower	Upper
106	100		
91	207.6	165.0	247.4

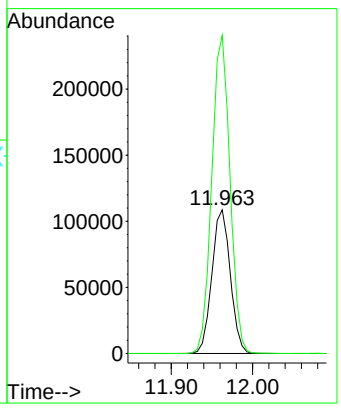




#69
o-Xylene
Concen: 103.449 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:106 Resp: 170942

Ion	Ratio	Lower	Upper
106	100		
91	218.8	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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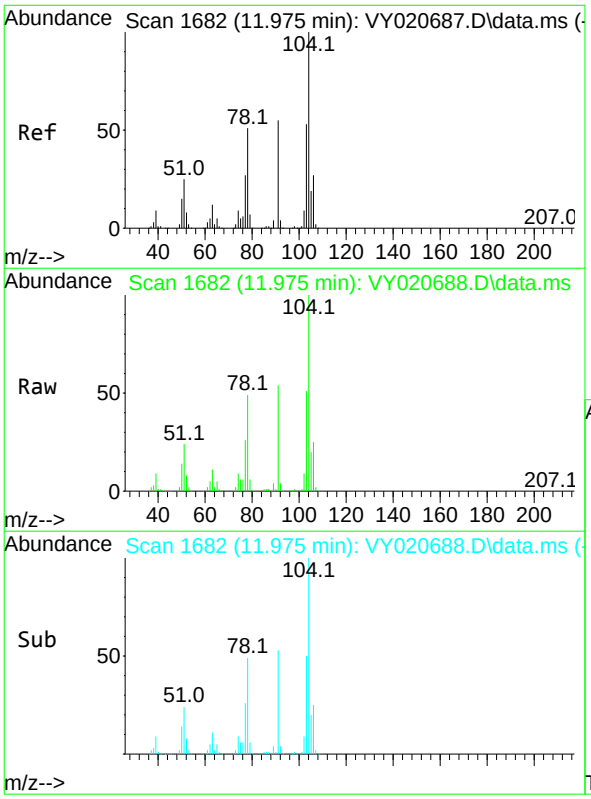
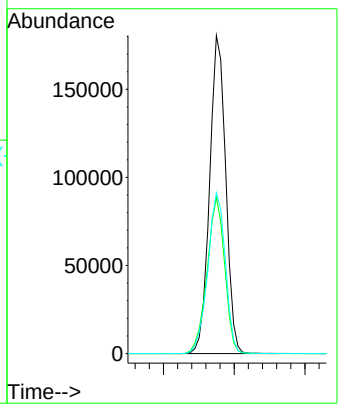
Supervised By :Mahesh Dadoda 12/26/2024

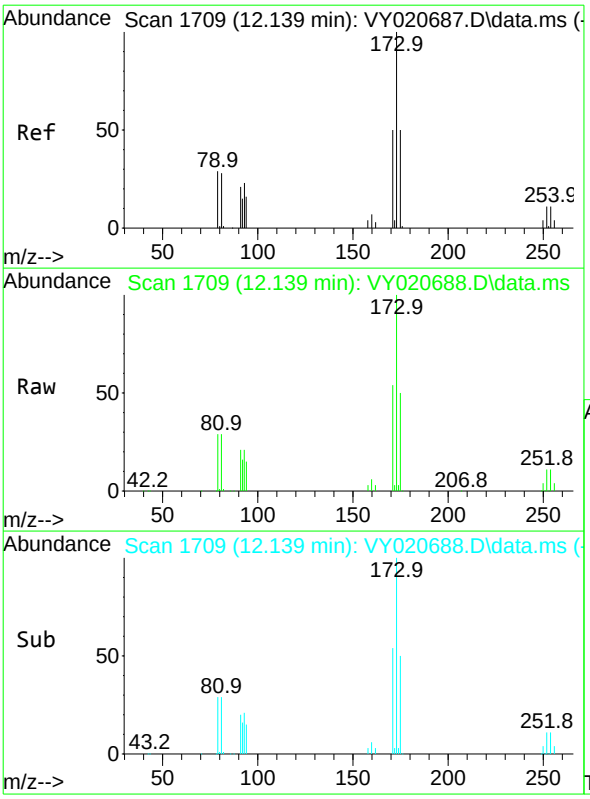


#70
Styrene
Concen: 102.918 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:104 Resp: 286046

Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.6	62.4
103	55.1	43.7	65.5





#71
Bromoform
Concen: 98.450 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:173 Resp: 56620

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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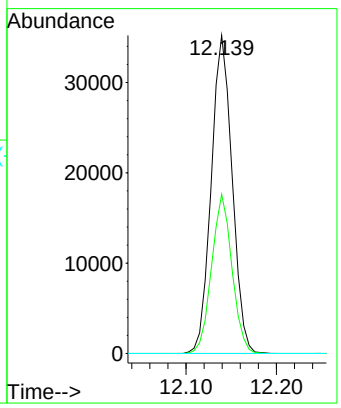
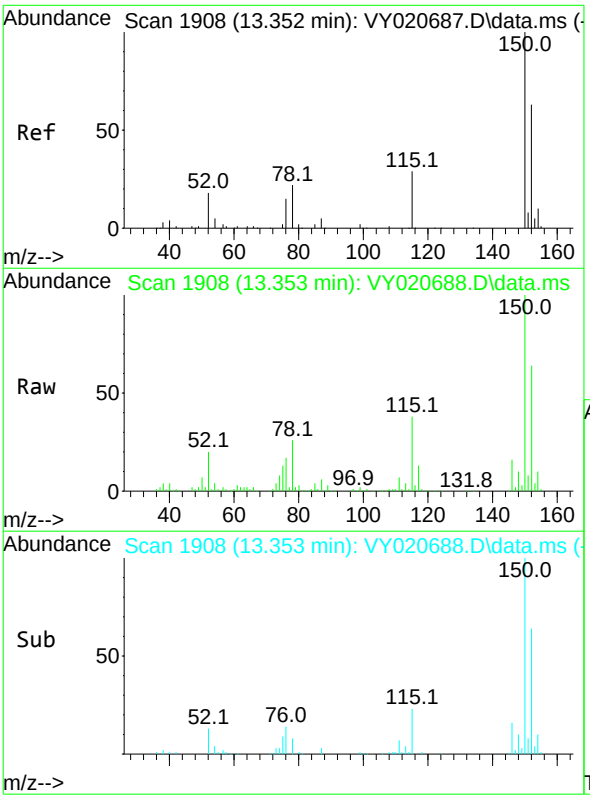
Supervised By :Mahesh Dadoda 12/26/2024

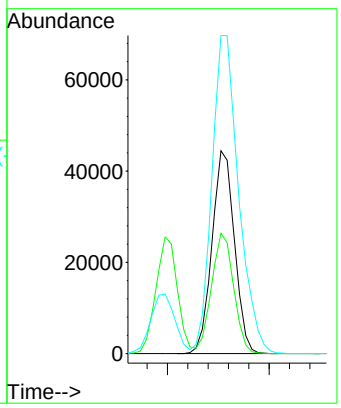


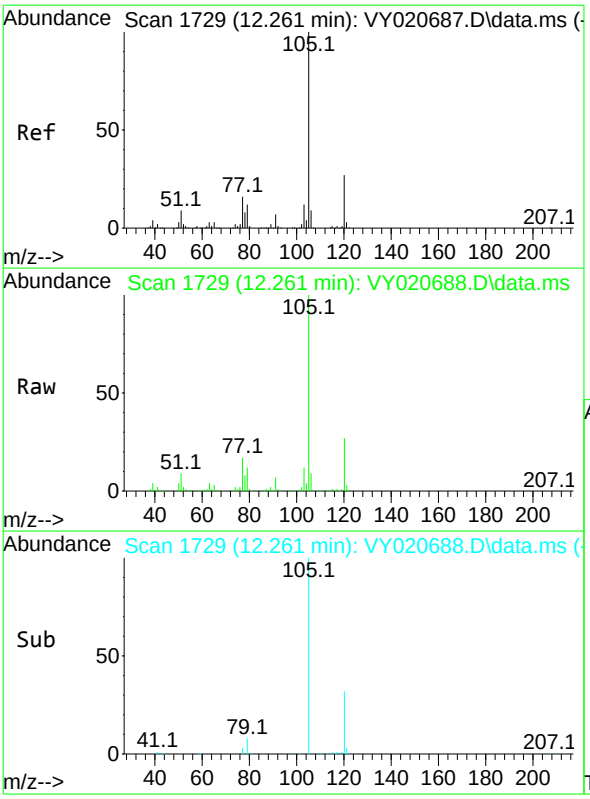


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:152 Resp: 68148

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.2	90.6
150	186.8	0.0	355.4

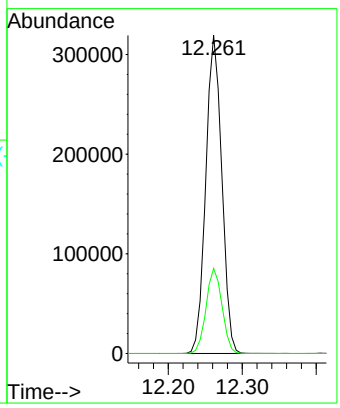




#73
Isopropylbenzene
Concen: 103.358 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 479106

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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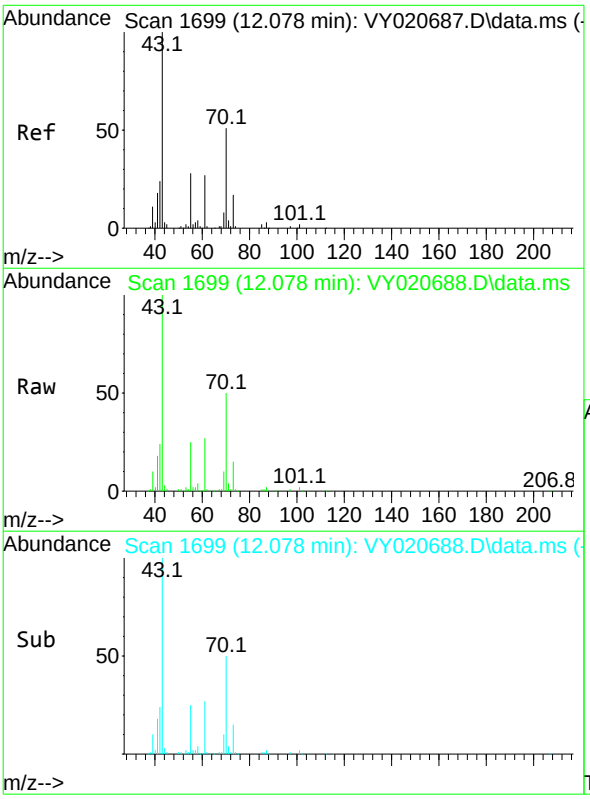
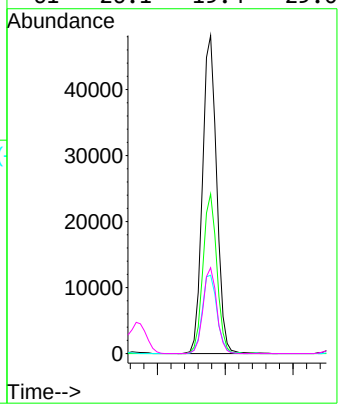
Supervised By :Mahesh Dadoda 12/26/2024

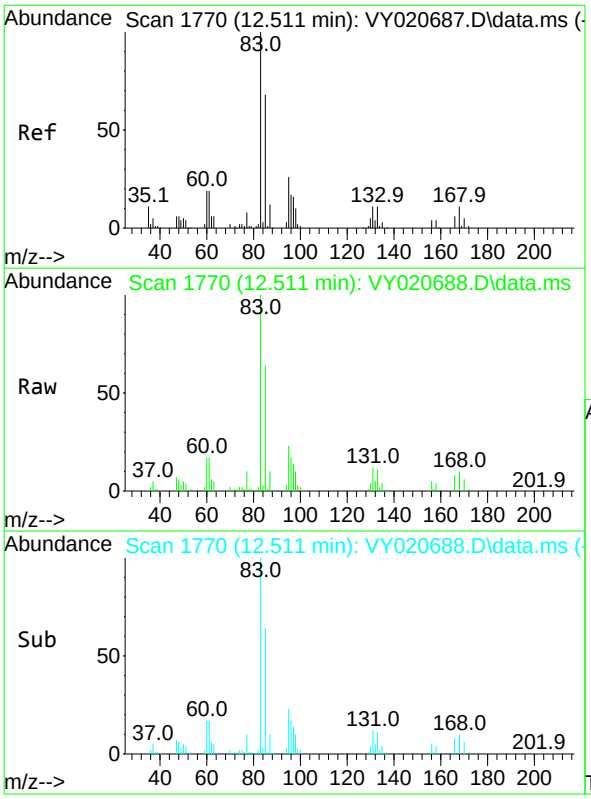


#74
N-amyl acetate
Concen: 107.418 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 69966

Ion	Ratio	Lower	Upper
43	100		
70	49.1	34.2	51.2
55	25.6	19.6	29.4
61	26.1	19.4	29.0

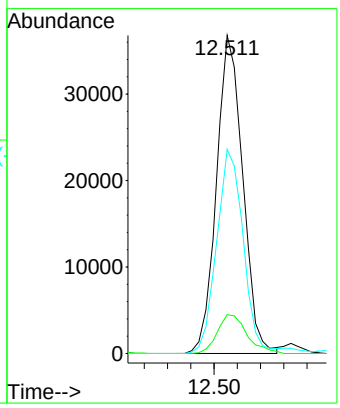




#75
1,1,2,2-Tetrachloroethane
Concen: 96.804 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 83 Resp: 57744

Ion	Ratio	Lower	Upper
83	100		
131	13.7	5.2	15.6
85	66.1	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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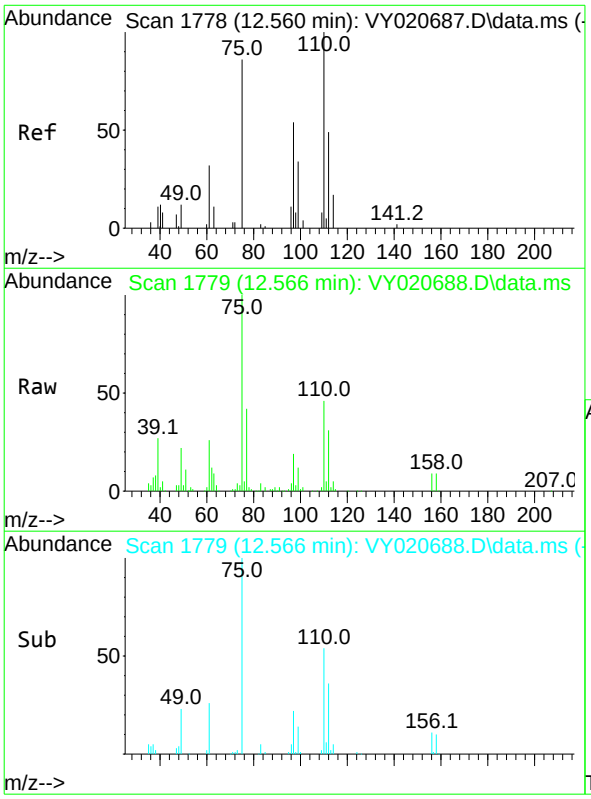
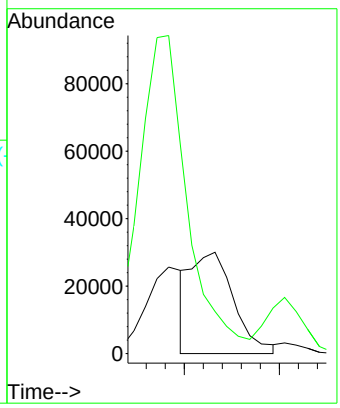
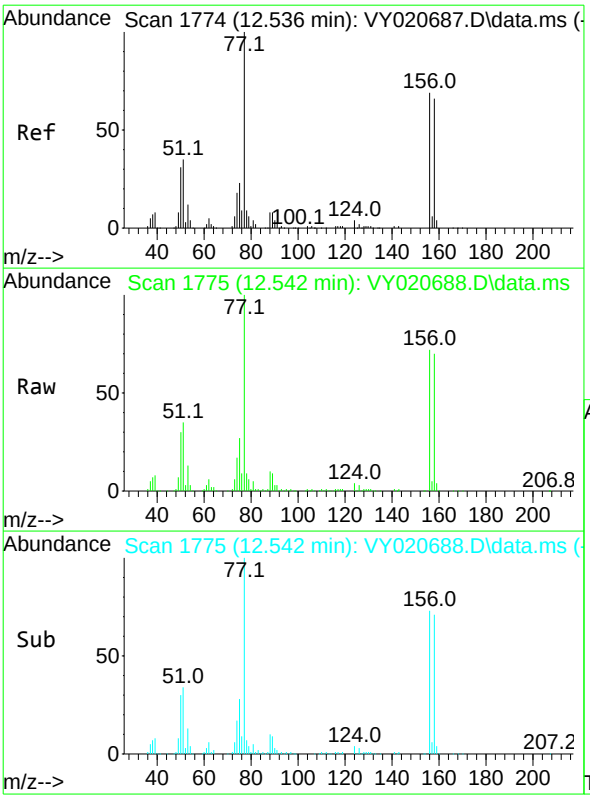


#76
1,2,3-Trichloropropane
Concen: 105.483 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 47115

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 102.501 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:156 Resp: 108194

Ion	Ratio	Lower	Upper
156	100		
77	154.0	94.2	282.4
158	97.8	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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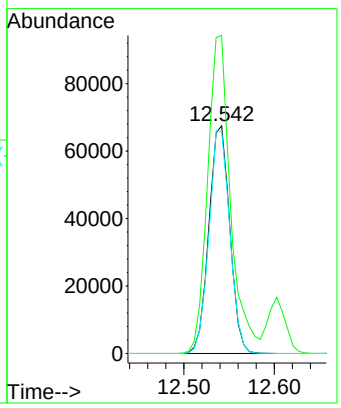
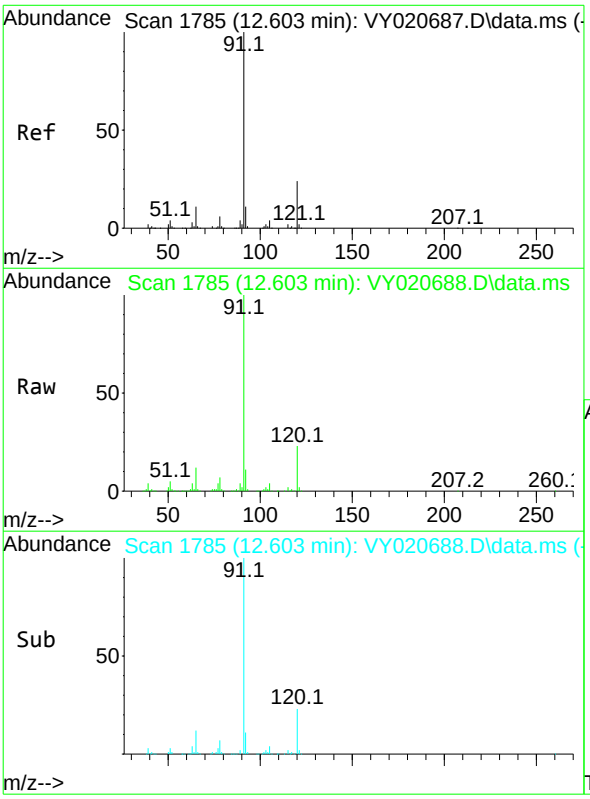
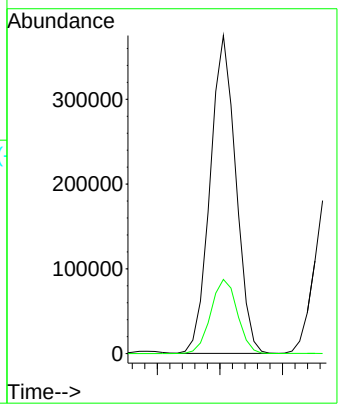


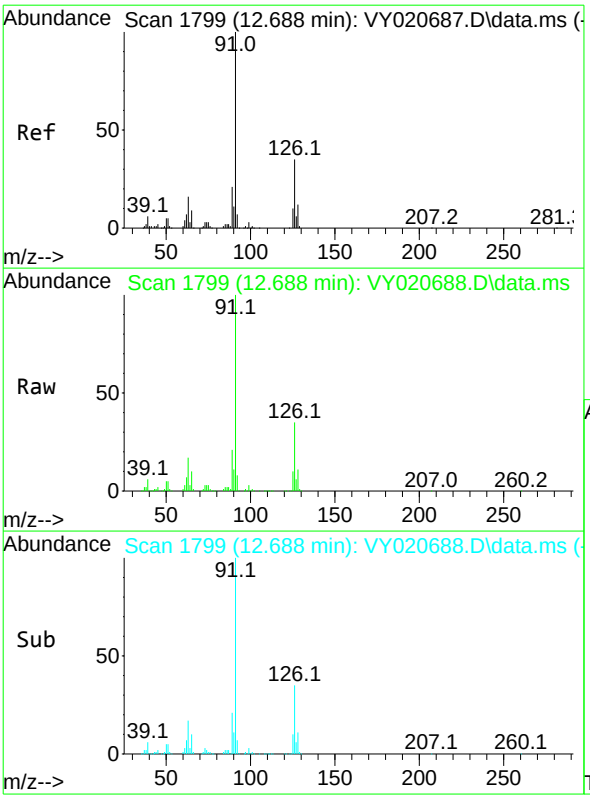


#78
n-propylbenzene
Concen: 102.443 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 535367

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.1	33.1

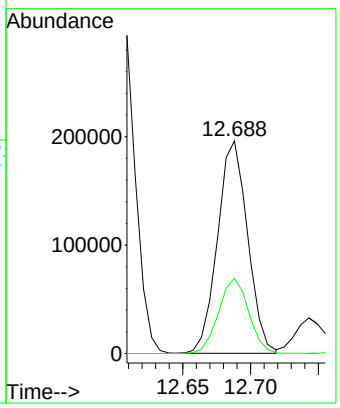




#79
2-Chlorotoluene
Concen: 101.736 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 302669

Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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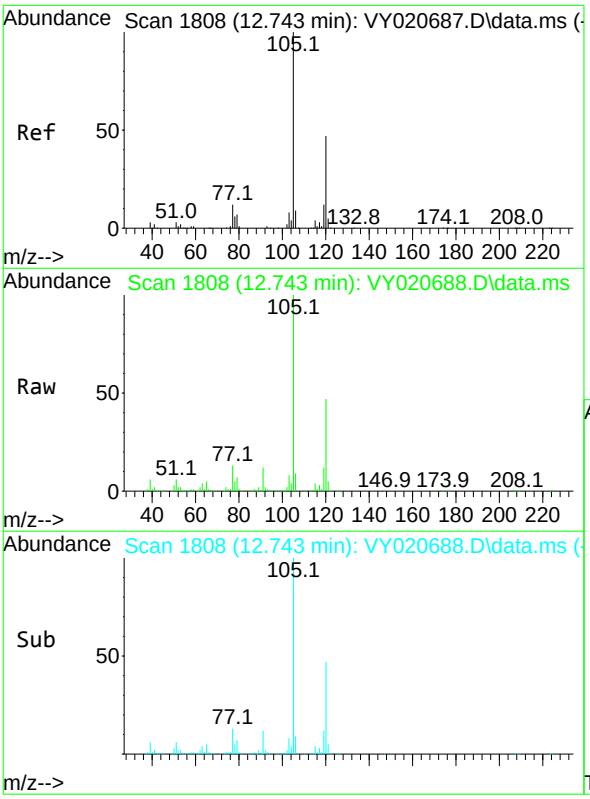
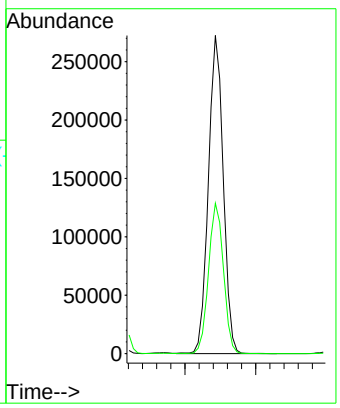
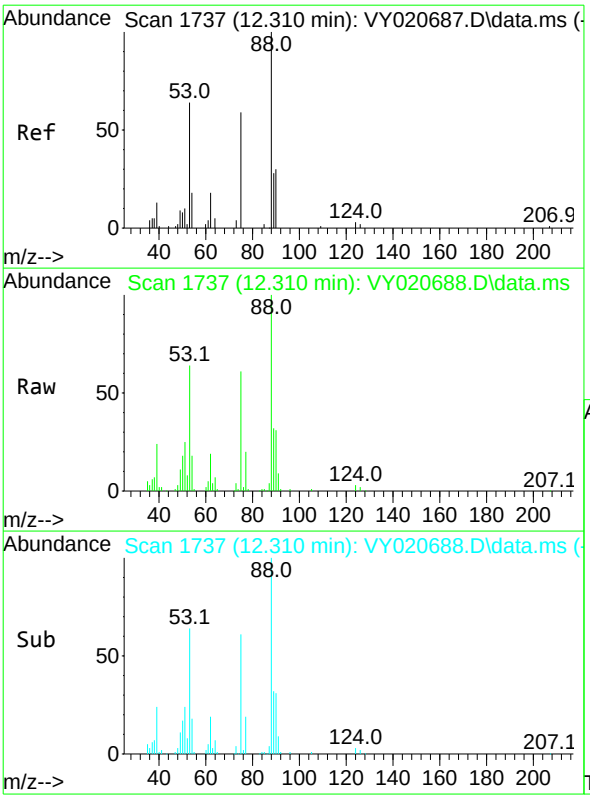


#80
1,3,5-Trimethylbenzene
Concen: 103.198 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 396768

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7

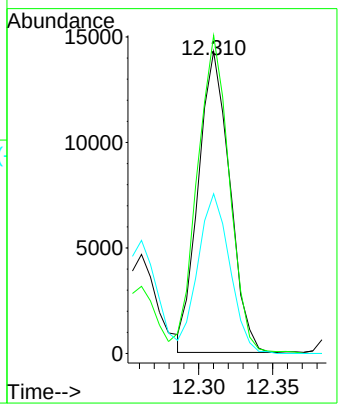




#81
trans-1,4-Dichloro-2-butene
Concen: 97.335 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 21044

Ion	Ratio	Lower	Upper
75	100		
53	108.3	75.4	113.2
89	53.9	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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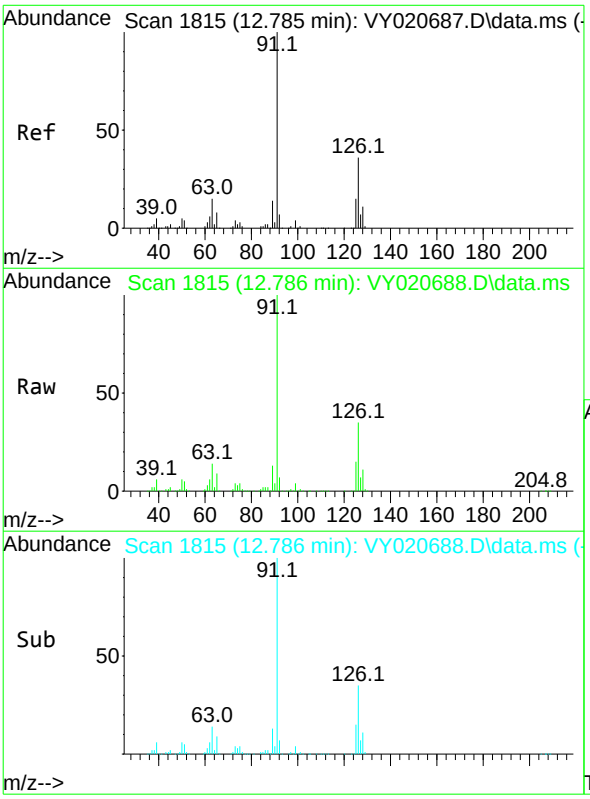
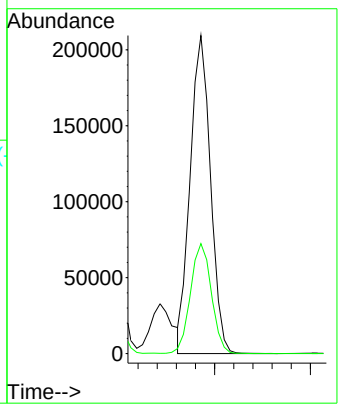
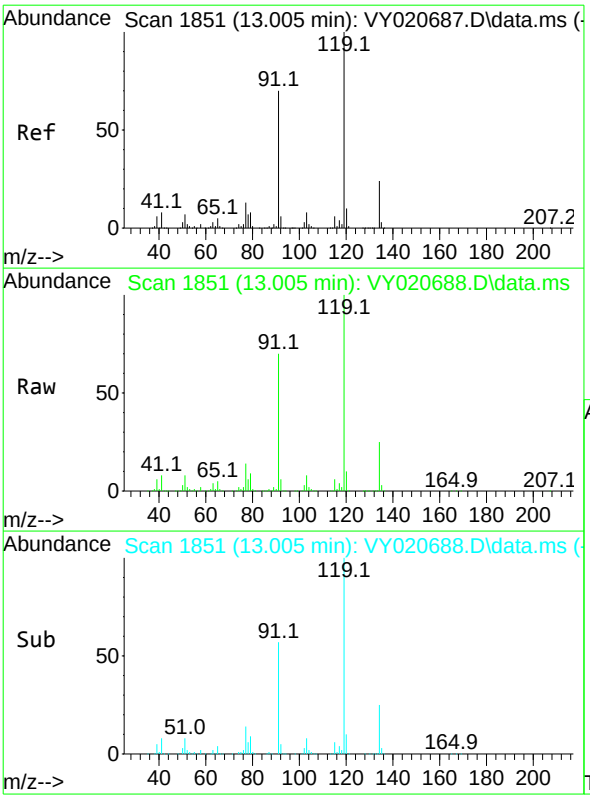


#82
4-Chlorotoluene
Concen: 101.618 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 308333

Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.6	49.7

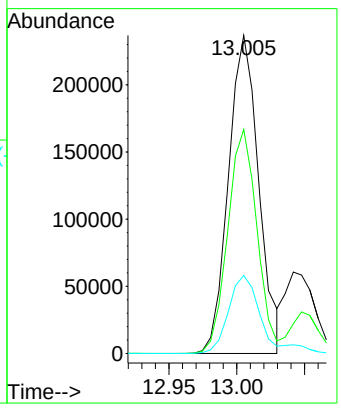




#83
tert-Butylbenzene
Concen: 102.974 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:119 Resp: 368377

Ion	Ratio	Lower	Upper
119	100		
91	67.8	32.9	98.6
134	26.5	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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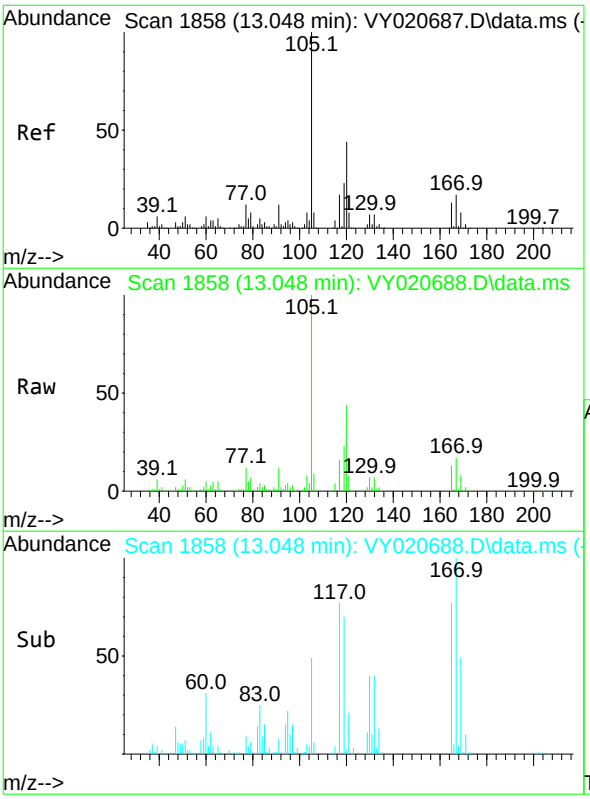
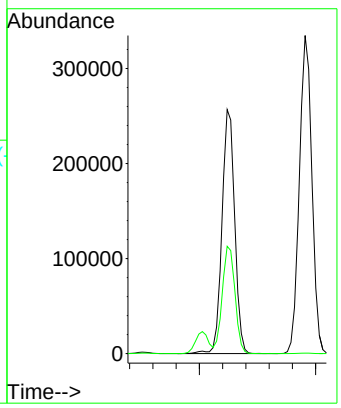
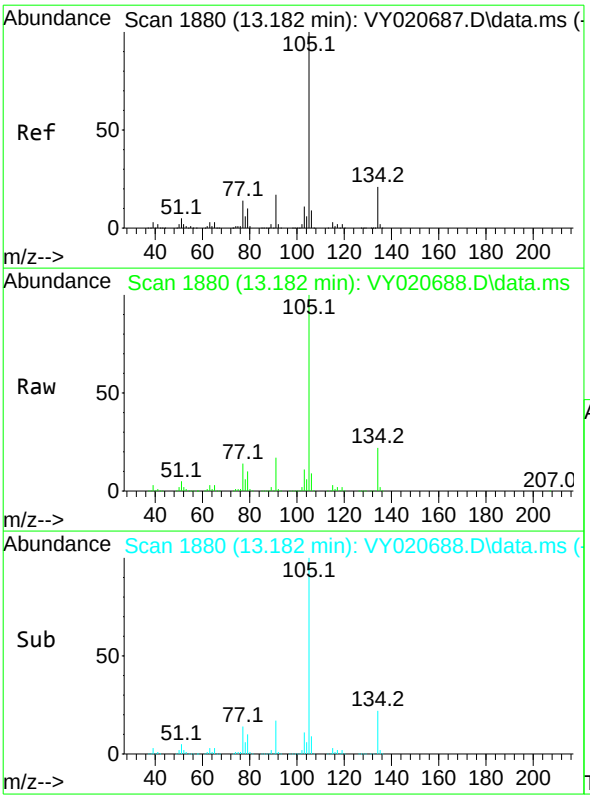


#84
1,2,4-Trimethylbenzene
Concen: 103.718 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 389540

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4

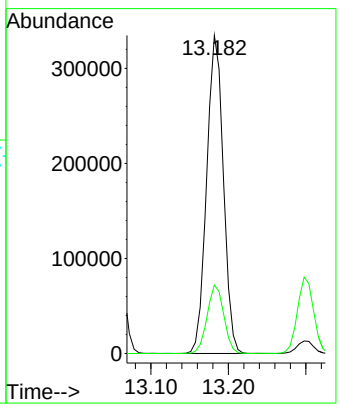




#85
sec-Butylbenzene
Concen: 103.872 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 500341

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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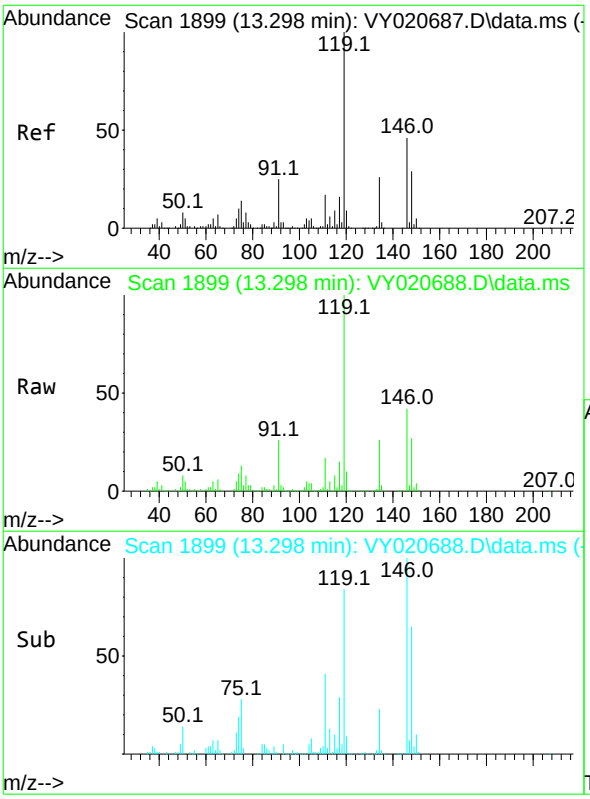
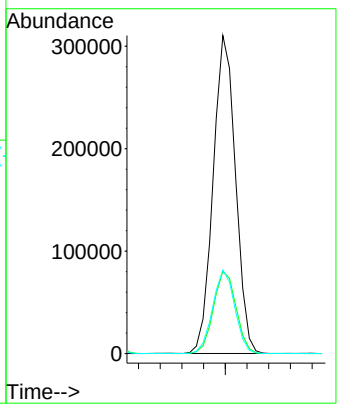
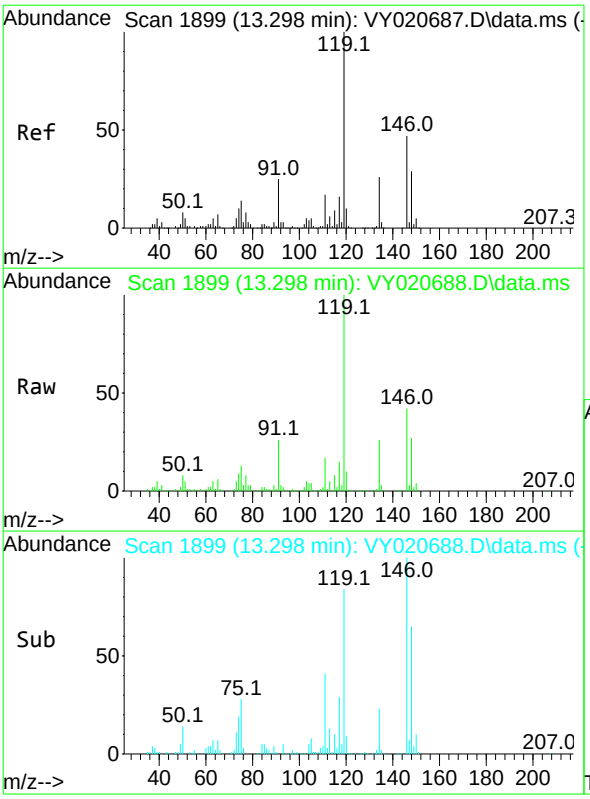


#86
p-Isopropyltoluene
Concen: 105.520 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:119 Resp: 444365

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	25.9	12.1	36.3

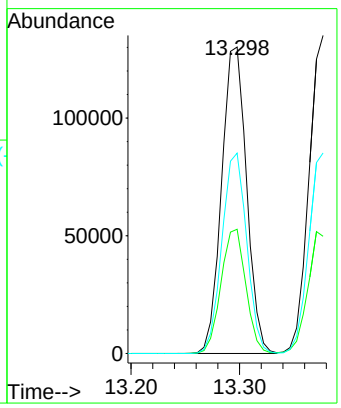




#87
1,3-Dichlorobenzene
Concen: 101.565 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:146 Resp: 208263

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.9	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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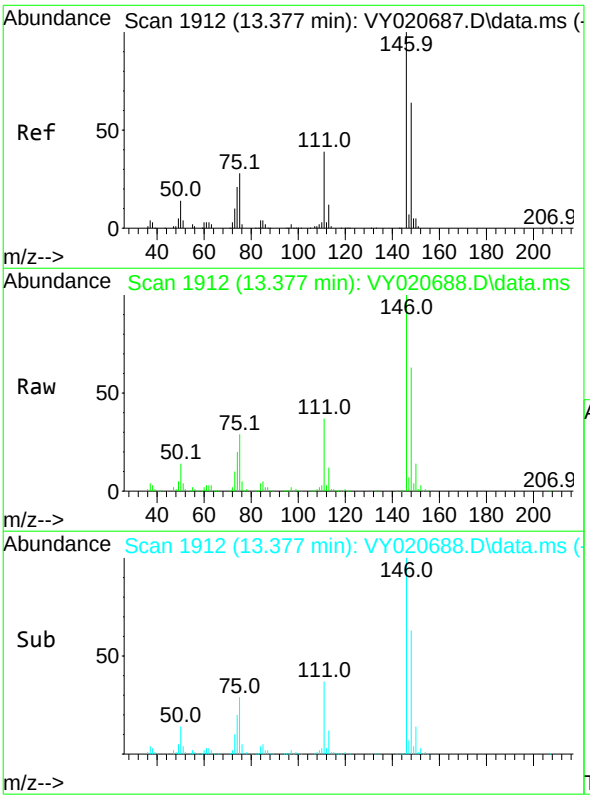
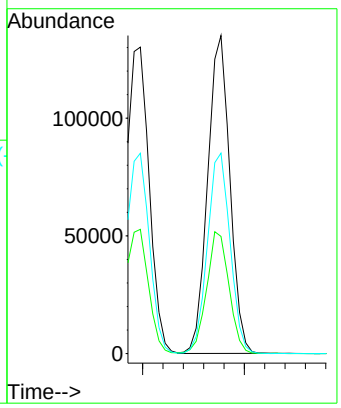
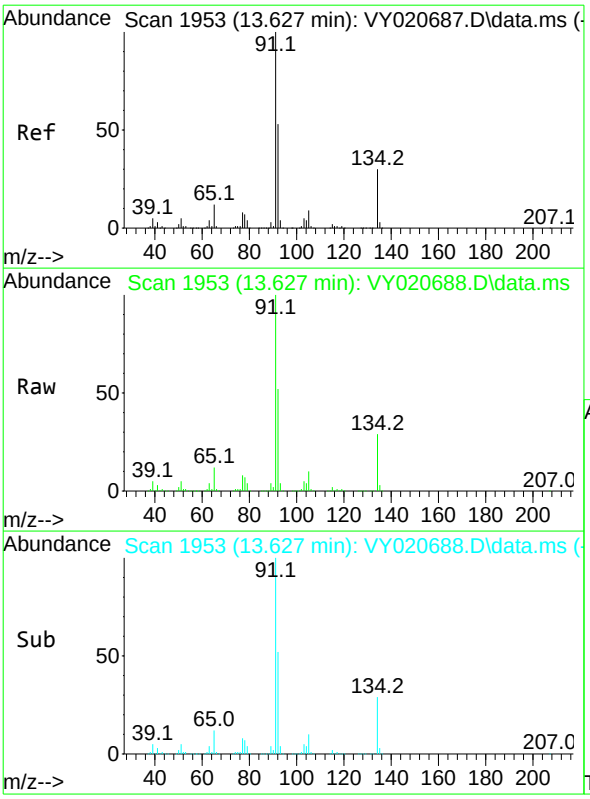


#88
1,4-Dichlorobenzene
Concen: 101.883 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:146 Resp: 204683

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	64.5	31.9	95.5

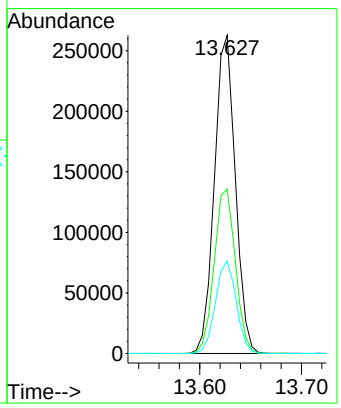




#89
n-Butylbenzene
Concen: 105.647 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 374806

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	29.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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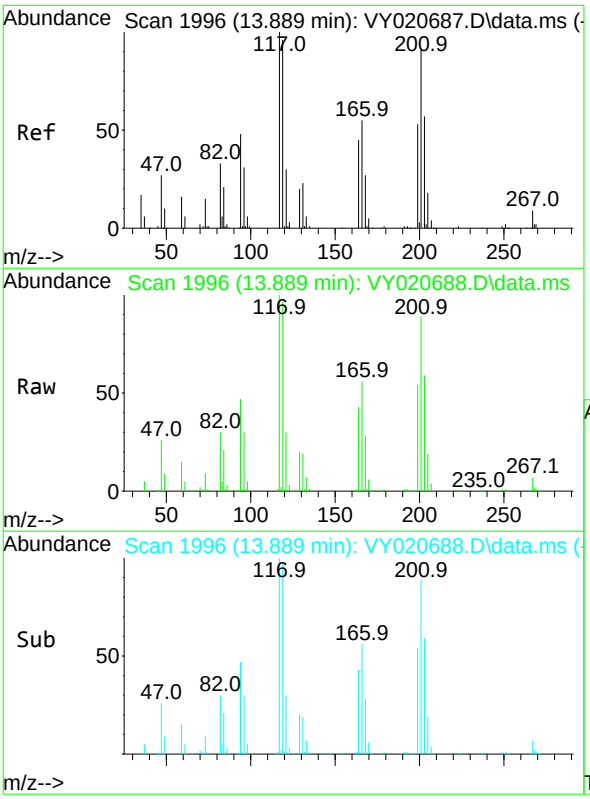
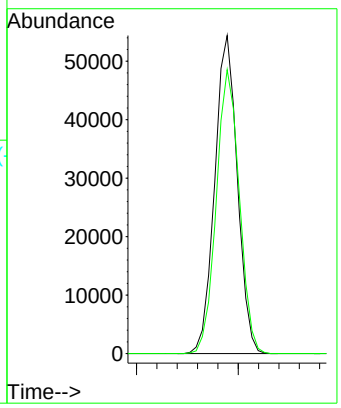
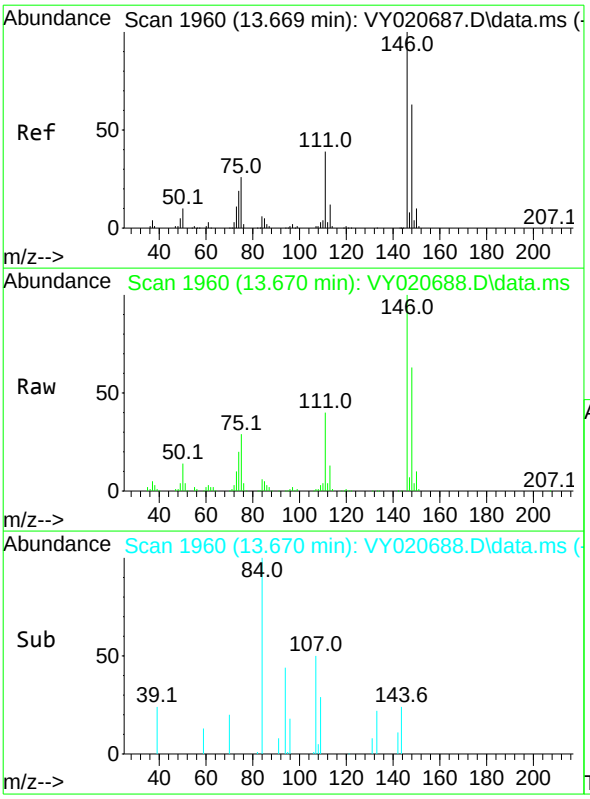


#90
Hexachloroethane
Concen: 105.279 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:117 Resp: 84108

Ion	Ratio	Lower	Upper
117	100		
201	90.5	39.1	117.3

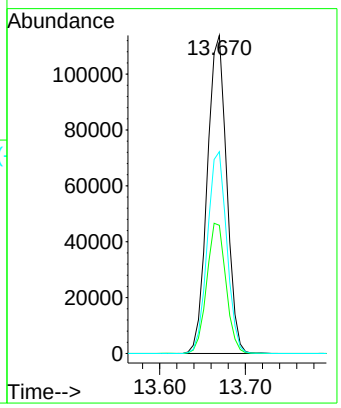




#91
1,2-Dichlorobenzene
Concen: 101.506 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:146 Resp: 178630

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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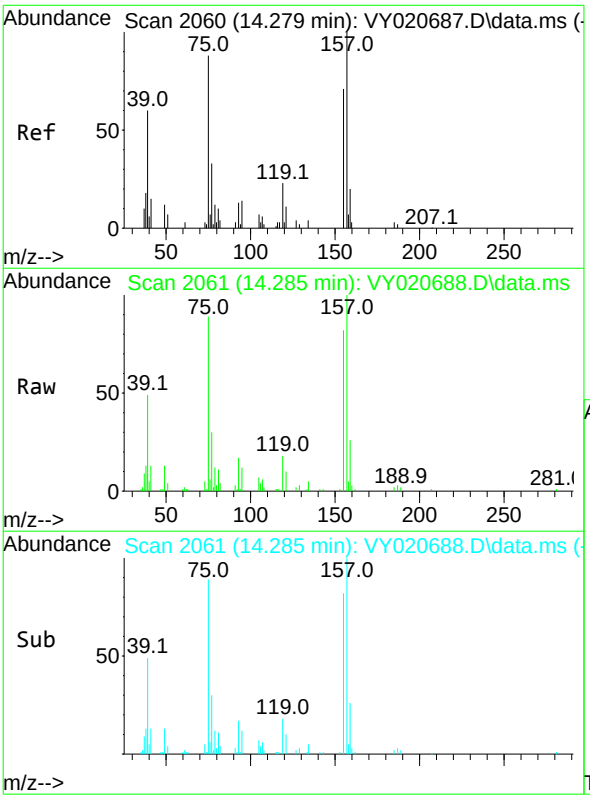
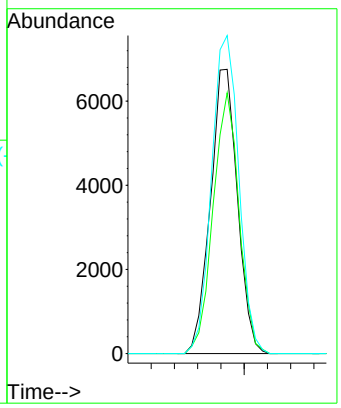
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

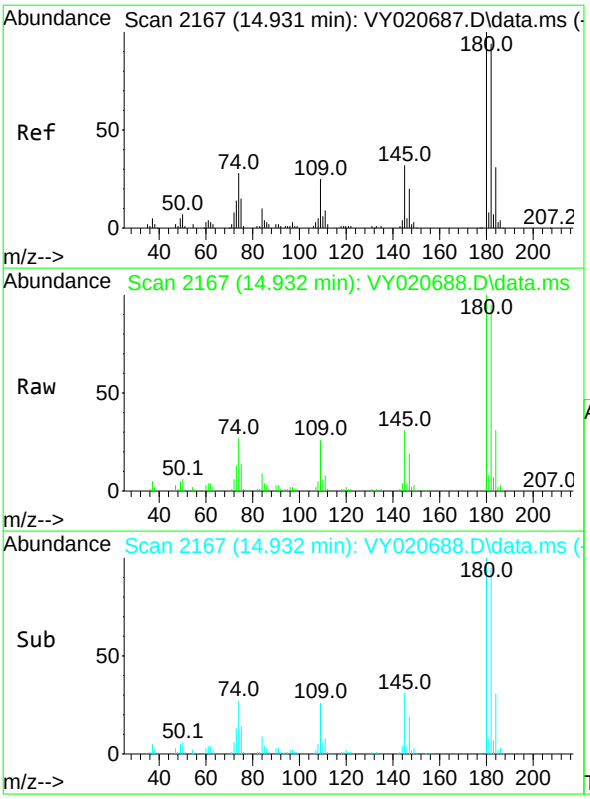


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.002 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 10912

Ion	Ratio	Lower	Upper
75	100		
155	87.8	41.1	123.3
157	112.6	52.9	158.8

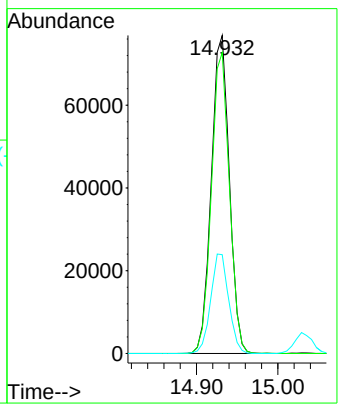




#93
1,2,4-Trichlorobenzene
Concen: 113.025 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:180 Resp: 118085

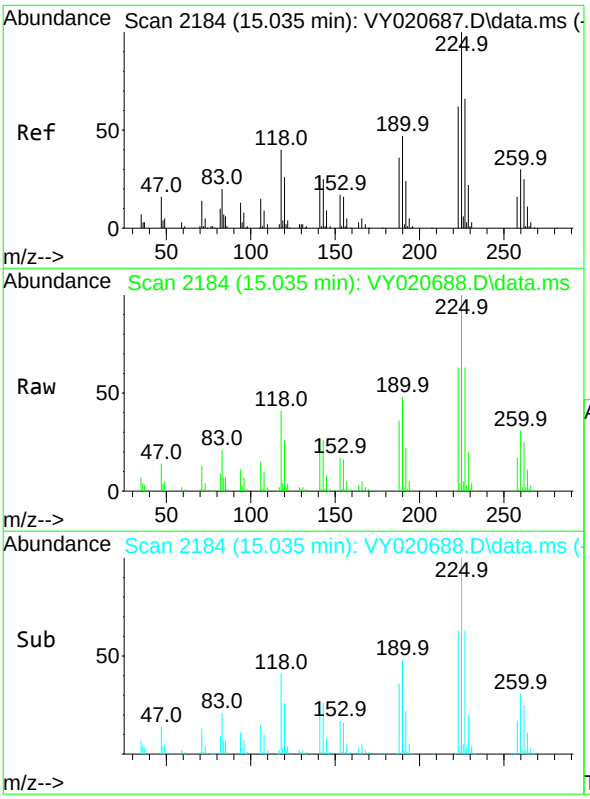
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	31.3	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

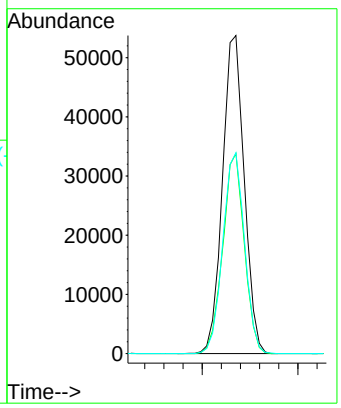
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

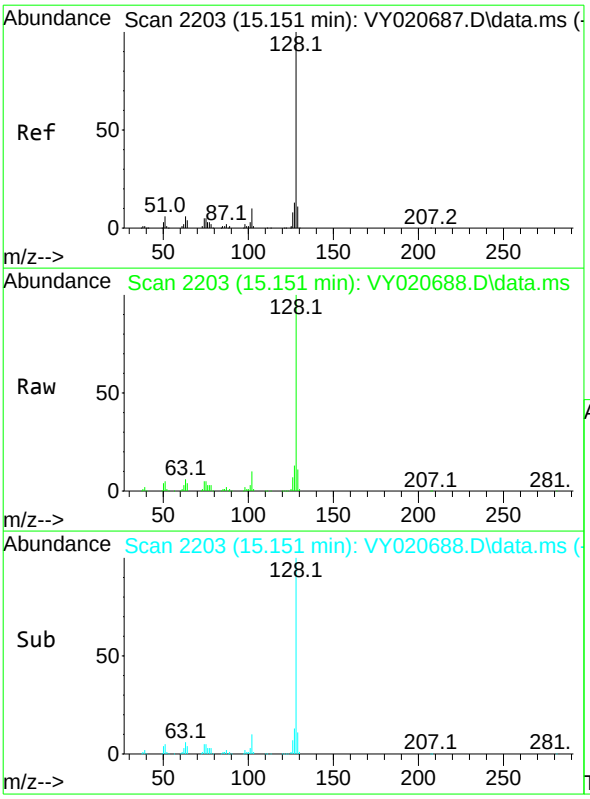


#94
Hexachlorobutadiene
Concen: 108.914 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:225 Resp: 84724

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.8	95.3
227	63.2	32.2	96.6

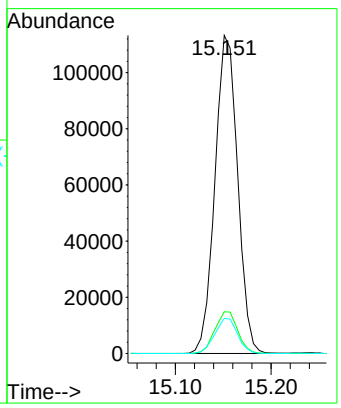




#95
Naphthalene
Concen: 93.198 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:128 Resp: 186615

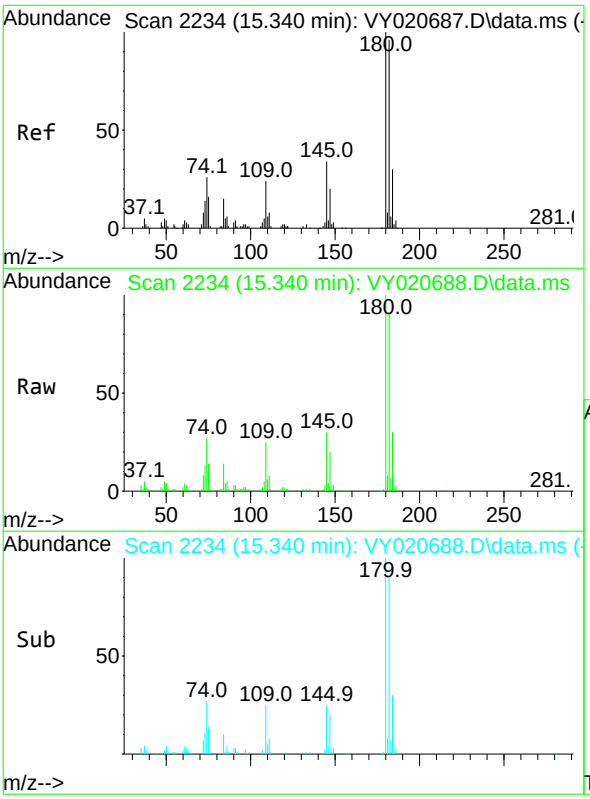
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

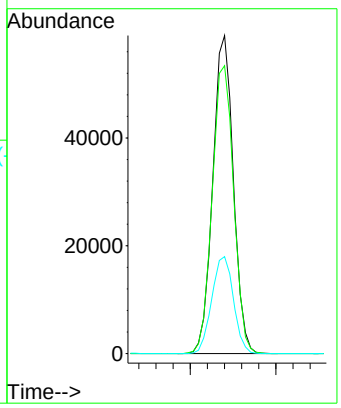
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 112.531 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:180 Resp: 98291

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	32.2	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	118653	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	164956	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	141375	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	70138	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	166588	158.528	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.060%#				
35) Dibromofluoromethane	7.646	113	147969	152.769	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.540%#				
50) Toluene-d8	10.115	98	580903	165.125	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 330.240%#				
62) 4-Bromofluorobenzene	12.414	95	196112	153.160	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 306.320%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	134463	147.096	ug/l		100
3) Chloromethane	2.074	50	58006	155.759	ug/l		97
4) Vinyl Chloride	2.214	62	71134	156.670	ug/l		98
5) Bromomethane	2.604	94	53718	167.549	ug/l		95
6) Chloroethane	2.745	64	44411	160.936	ug/l		95
7) Trichlorofluoromethane	3.074	101	253259	155.107	ug/l		98
8) Diethyl Ether	3.470	74	60863	155.730	ug/l		75
9) 1,1,2-Trichlorotrifluo...	3.830	101	135606	152.089	ug/l		91
10) Methyl Iodide	4.019	142	166424	162.032	ug/l	#	87
11) Tert butyl alcohol	4.891	59	46487	552.605	ug/l		98
12) 1,1-Dichloroethene	3.806	96	123149	155.626	ug/l		93
13) Acrolein	3.671	56	10860	740.749	ug/l		99
14) Allyl chloride	4.403	41	148981	160.548	ug/l	#	74
15) Acrylonitrile	5.074	53	113912	790.747	ug/l		97
16) Acetone	3.885	43	85270	710.409	ug/l		100
17) Carbon Disulfide	4.123	76	324936	164.698	ug/l		99
18) Methyl Acetate	4.397	43	51789	166.772	ug/l	#	85
19) Methyl tert-butyl Ether	5.135	73	337824	156.949	ug/l	#	88
20) Methylene Chloride	4.635	84	118243	147.834	ug/l	#	85
21) trans-1,2-Dichloroethene	5.135	96	132986	155.860	ug/l		89
22) Diisopropyl ether	6.031	45	286326	150.931	ug/l	#	82
23) Vinyl Acetate	5.976	43	881097	784.352	ug/l	#	89
24) 1,1-Dichloroethane	5.933	63	217525	153.814	ug/l		97
25) 2-Butanone	6.909	43	127141	754.045	ug/l	#	83
26) 2,2-Dichloropropane	6.903	77	258411	146.050	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	157335	154.818	ug/l		90
28) Bromochloromethane	7.256	49	66534	150.678	ug/l	#	56
29) Tetrahydrofuran	7.274	42	78165	788.722	ug/l	#	71
30) Chloroform	7.433	83	270669	145.605	ug/l		94
31) Cyclohexane	7.713	56	170404	137.425	ug/l	#	80
32) 1,1,1-Trichloroethane	7.634	97	294790	151.797	ug/l		96
36) 1,1-Dichloropropene	7.847	75	180118	152.988	ug/l		95
37) Ethyl Acetate	6.994	43	60857	158.166	ug/l	#	94
38) Carbon Tetrachloride	7.829	117	295253	154.972	ug/l		98
39) Methylcyclohexane	9.116	83	237823	158.923	ug/l		91
40) Benzene	8.091	78	523806	154.222	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	31885	146.421 ug/l #	85
42) 1,2-Dichloroethane	8.171	62	165429	153.149 ug/l	98
43) Isopropyl Acetate	8.207	43	131403	164.314 ug/l #	92
44) Trichloroethene	8.872	130	153176	151.961 ug/l	96
45) 1,2-Dichloropropane	9.146	63	103202	154.651 ug/l	98
46) Dibromomethane	9.237	93	71272	154.707 ug/l	92
47) Bromodichloromethane	9.433	83	202588	155.020 ug/l #	98
48) Methyl methacrylate	9.225	41	63549	167.633 ug/l #	81
49) 1,4-Dioxane	9.244	88	14771	3074.487 ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	315090	788.748 ug/l	92
52) Toluene	10.176	92	360597	155.908 ug/l	100
53) t-1,3-Dichloropropene	10.402	75	186208	161.029 ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	200337	157.228 ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	91887	154.039 ug/l	94
56) Ethyl methacrylate	10.445	69	130318	171.265 ug/l	88
57) 1,3-Dichloropropane	10.725	76	151026	154.887 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	238338	838.195 ug/l #	81
59) 2-Hexanone	10.768	43	215657	847.520 ug/l	94
60) Dibromochloromethane	10.920	129	149883	157.377 ug/l	99
61) 1,2-Dibromoethane	11.024	107	87299	156.108 ug/l	99
64) Tetrachloroethene	10.652	164	146561	156.096 ug/l	99
65) Chlorobenzene	11.450	112	407595	154.283 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	157994	153.146 ug/l	95
67) Ethyl Benzene	11.524	91	734276	154.917 ug/l	98
68) m/p-Xylenes	11.633	106	556852	308.089 ug/l	99
69) o-Xylene	11.963	106	258997	152.546 ug/l	97
70) Styrene	11.975	104	438074	153.403 ug/l	98
71) Bromoform	12.139	173	92813	157.066 ug/l #	98
73) Isopropylbenzene	12.261	105	726636	152.310 ug/l	99
74) N-amyl acetate	12.078	43	114005	170.064 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	93652	152.547 ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	75170m	163.518 ug/l	
77) Bromobenzene	12.536	156	168664	155.256 ug/l	85
78) n-propylbenzene	12.603	91	811953	150.960 ug/l	95
79) 2-Chlorotoluene	12.688	91	460395	150.361 ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	598606	151.278 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	35122	157.841 ug/l	89
82) 4-Chlorotoluene	12.786	91	481776	154.276 ug/l	98
83) tert-Butylbenzene	13.005	119	556945	151.269 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	586180	151.646 ug/l	99
85) sec-Butylbenzene	13.182	105	754129	152.117 ug/l	97
86) p-Isopropyltoluene	13.298	119	668742	154.295 ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	317774	150.573 ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	313256	151.502 ug/l	99
89) n-Butylbenzene	13.627	91	569116	155.866 ug/l	96
90) Hexachloroethane	13.889	117	127446	155.000 ug/l	86
91) 1,2-Dichlorobenzene	13.664	146	275211	151.951 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	18972	162.178 ug/l	95
93) 1,2,4-Trichlorobenzene	14.932	180	190996	177.625 ug/l	99
94) Hexachlorobutadiene	15.035	225	130134	162.543 ug/l	99
95) Naphthalene	15.151	128	321245	153.526 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	159815	177.777 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 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

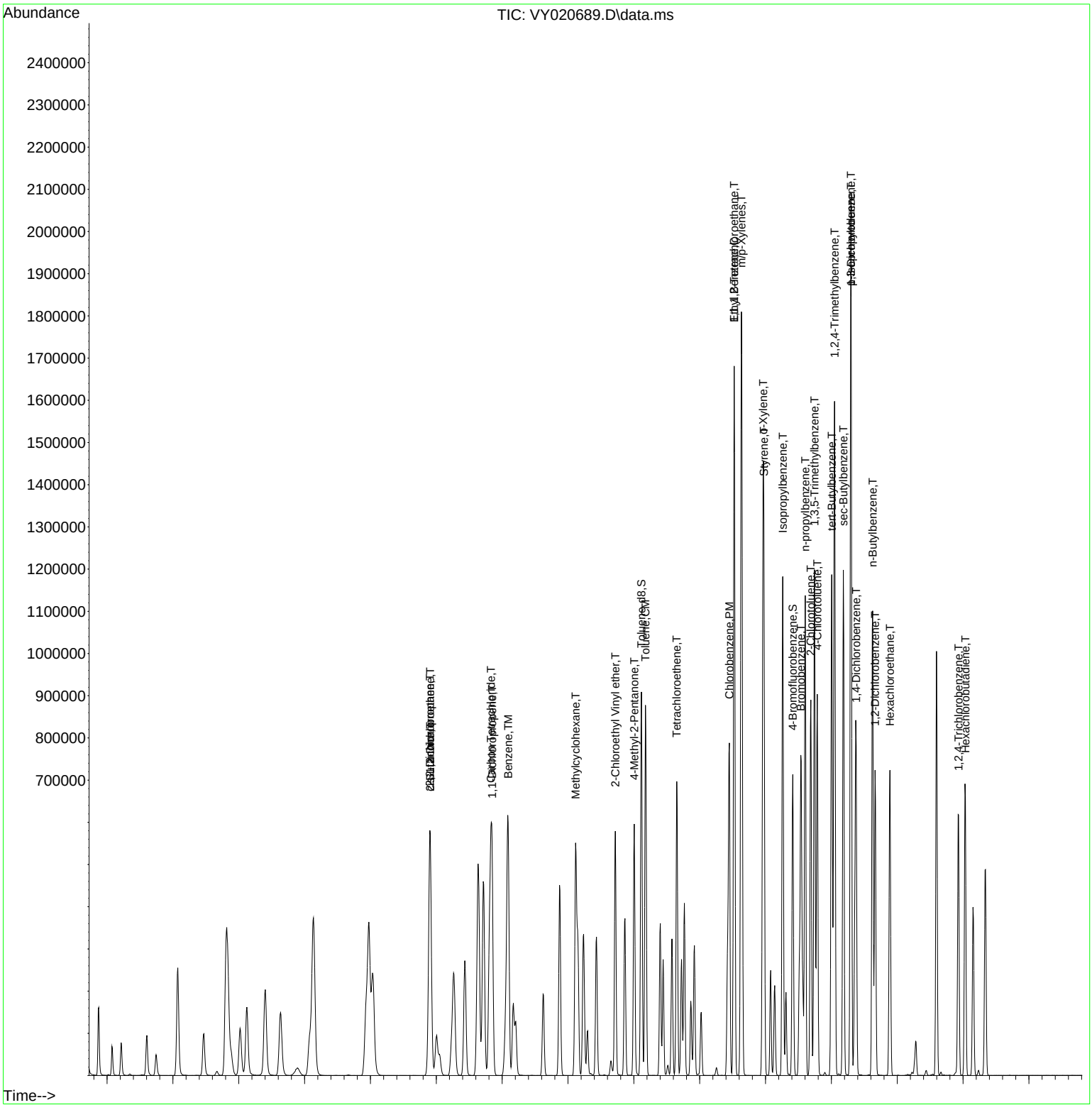
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

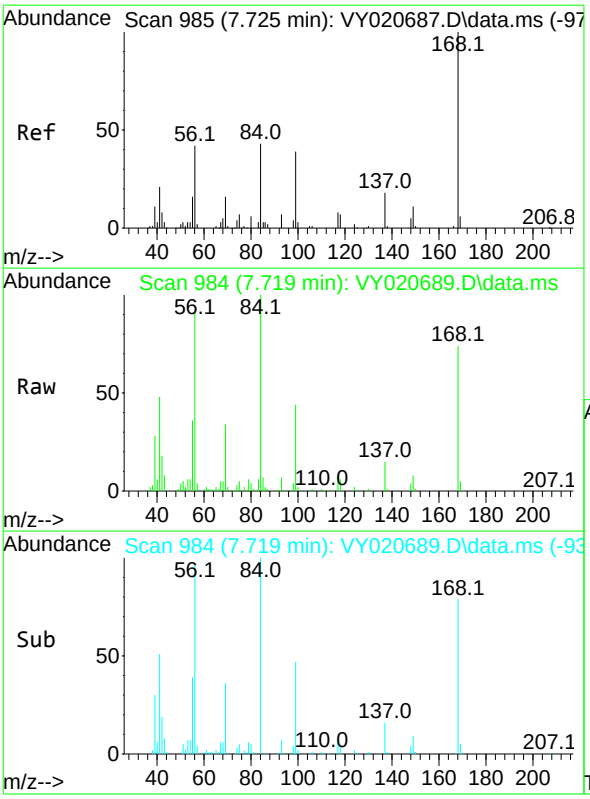
Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

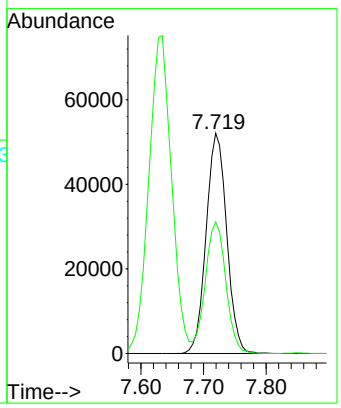




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:168 Resp: 118653

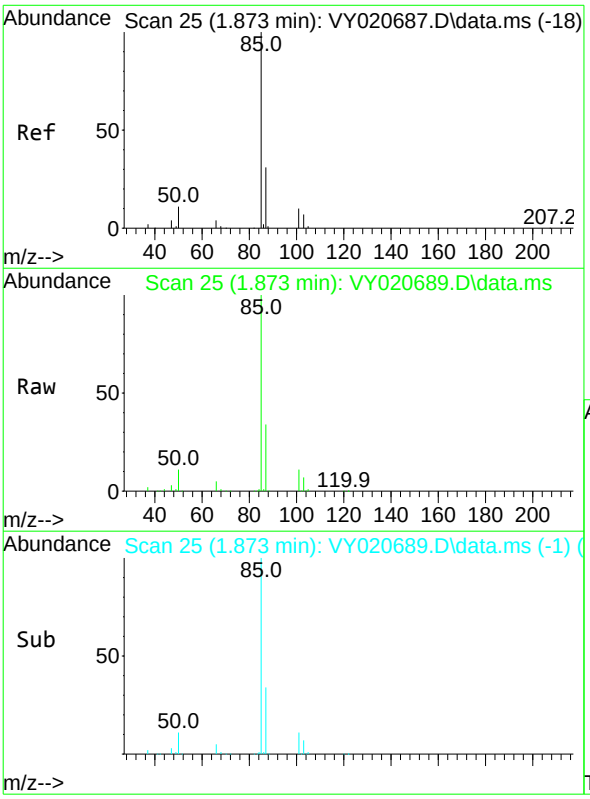
Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

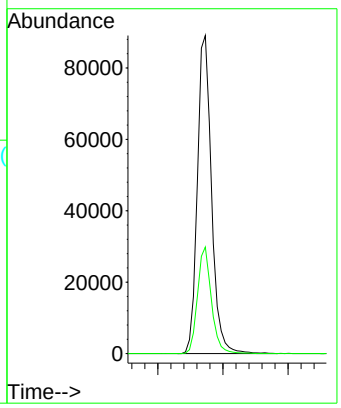
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

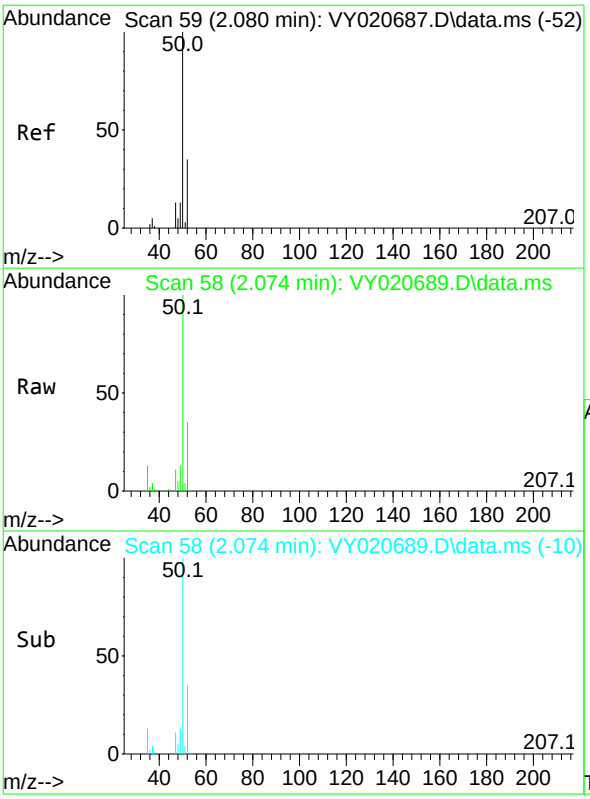


#2
Dichlorodifluoromethane
Concen: 147.096 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 85 Resp: 134463

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

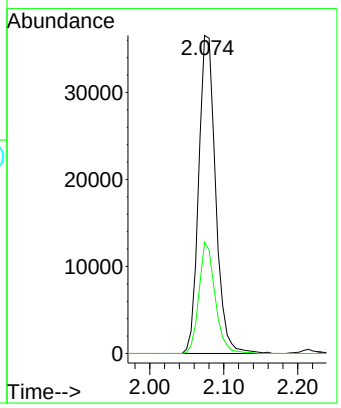




#3
Chloromethane
Concen: 155.759 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 50 Resp: 58006

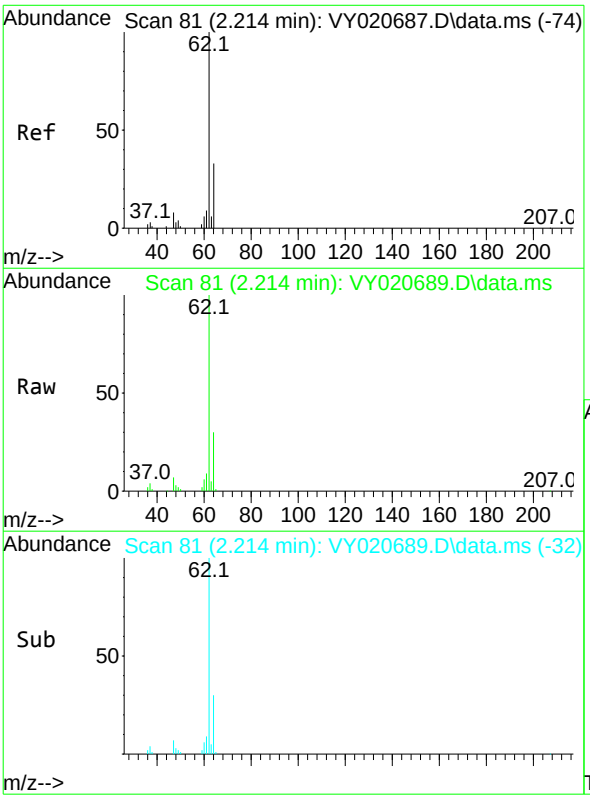
Ion	Ratio	Lower	Upper
50	100		
52	35.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

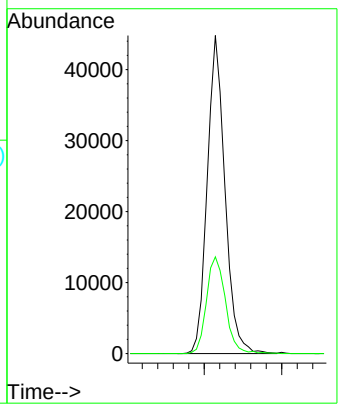
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

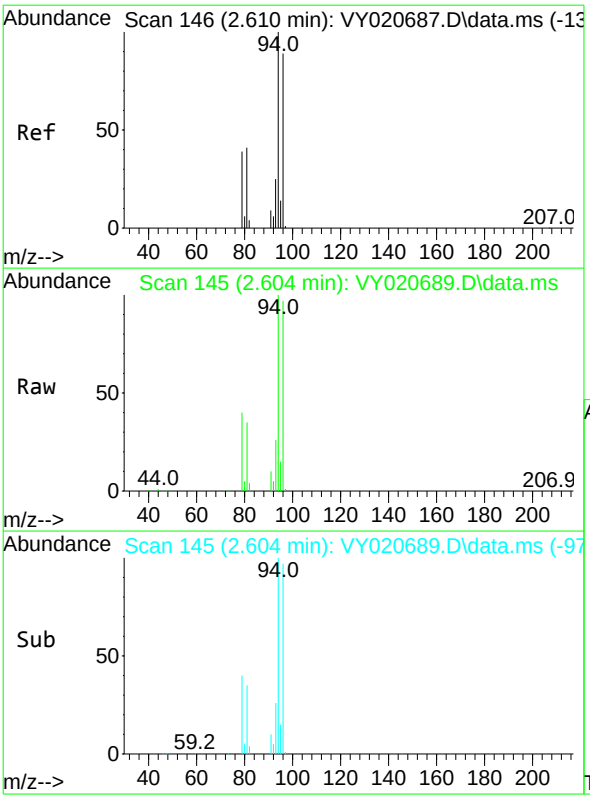


#4
Vinyl Chloride
Concen: 156.670 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 62 Resp: 71134

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9

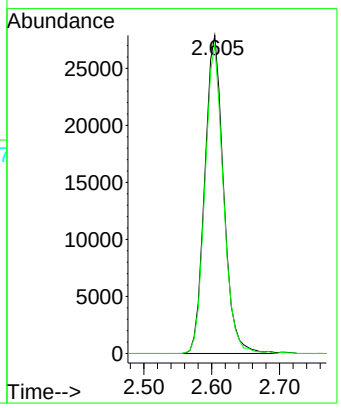




#5
Bromomethane
Concen: 167.549 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 94 Resp: 53718

Ion	Ratio	Lower	Upper
94	100		
96	97.0	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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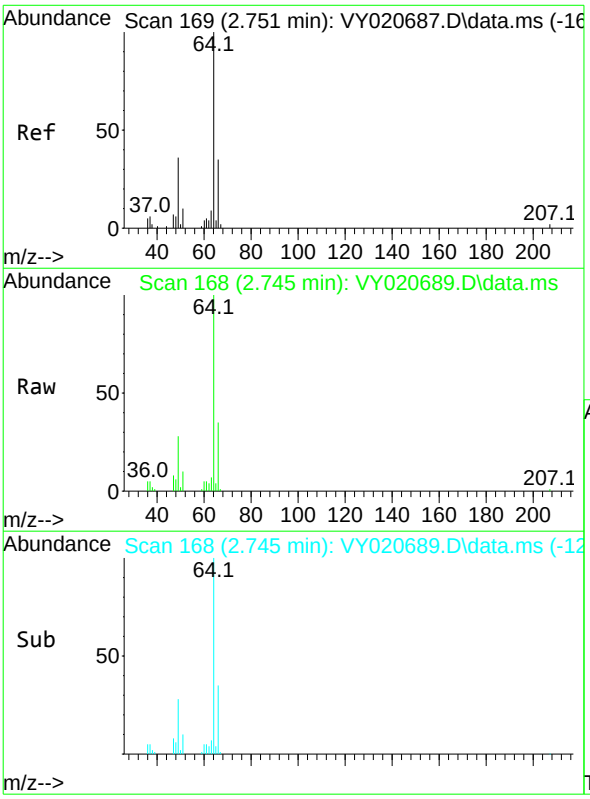
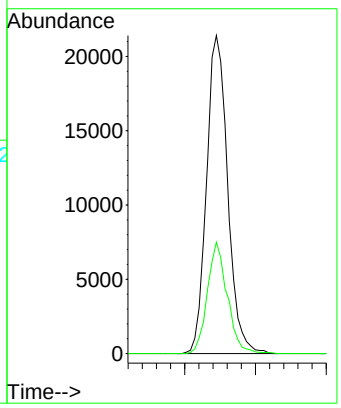
Supervised By :Mahesh Dadoda 12/26/2024

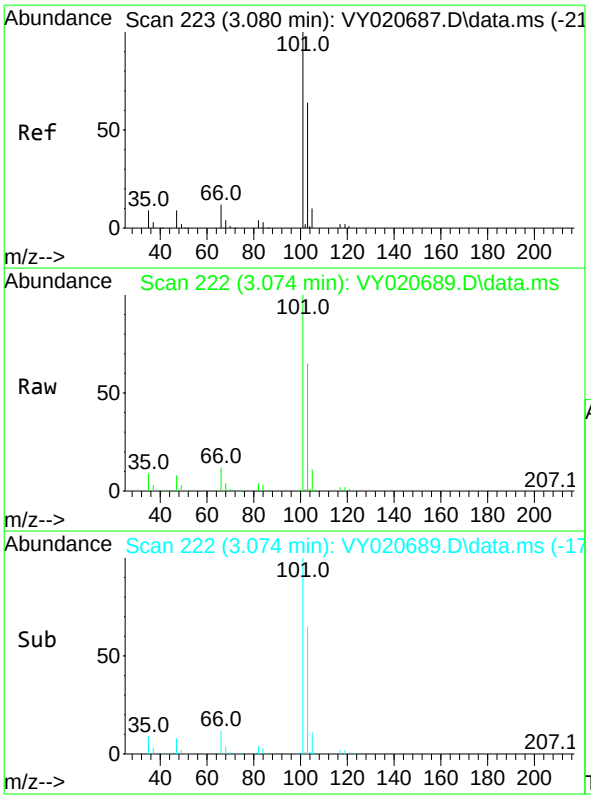


#6
Chloroethane
Concen: 160.936 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 64 Resp: 44411

Ion	Ratio	Lower	Upper
64	100		
66	35.0	25.8	38.6

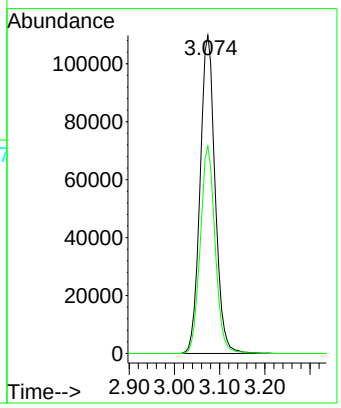




#7
Trichlorofluoromethane
Concen: 155.107 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:101 Resp: 253259

Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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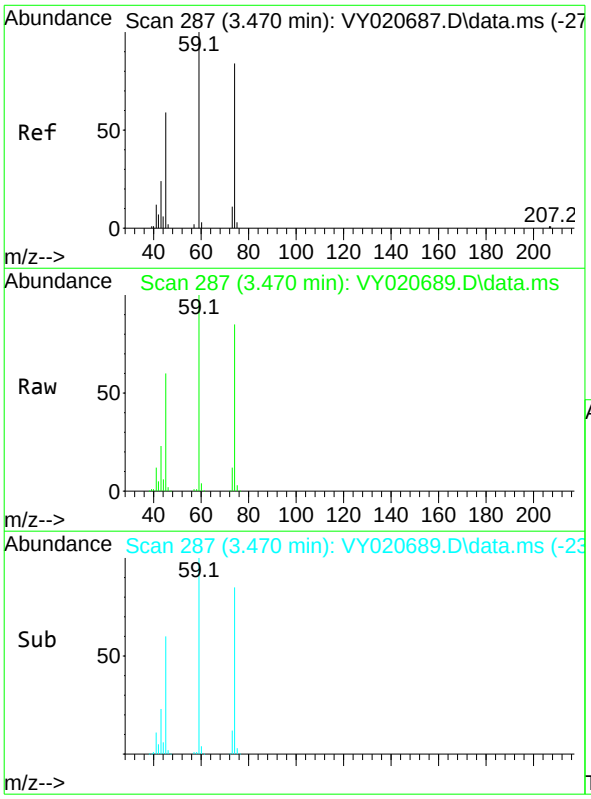
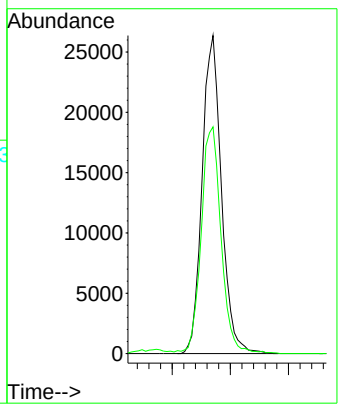
Supervised By :Mahesh Dadoda 12/26/2024

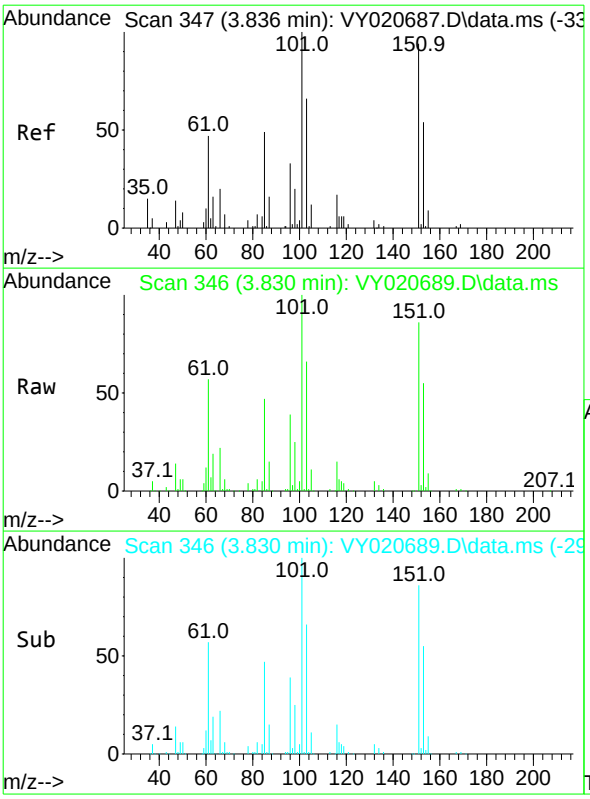


#8
Diethyl Ether
Concen: 155.730 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 74 Resp: 60863

Ion	Ratio	Lower	Upper
74	100		
45	73.6	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.089 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:101 Resp: 135606

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.6	54.8
151	87.5	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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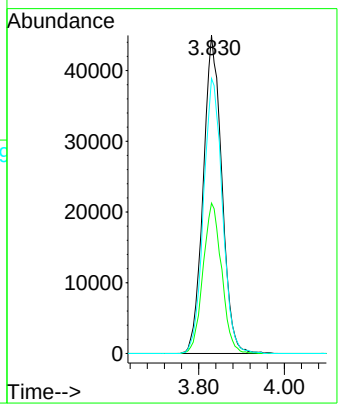
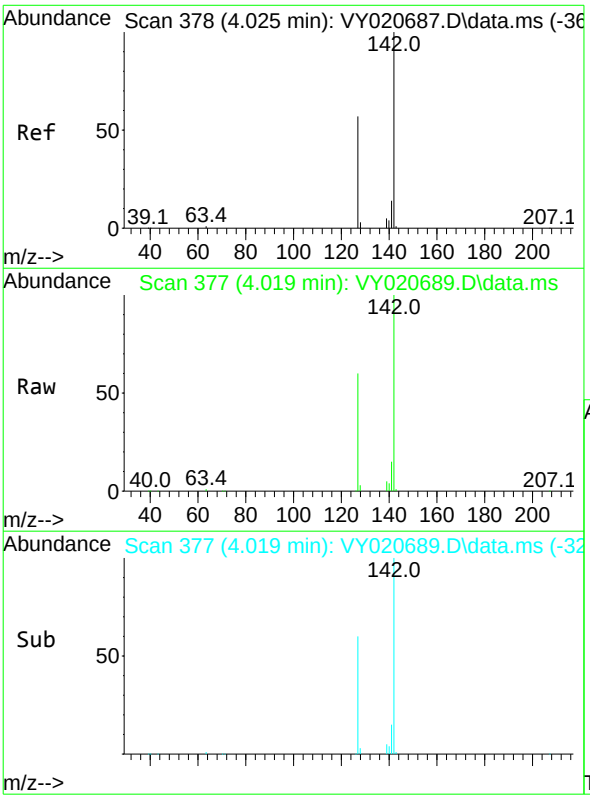
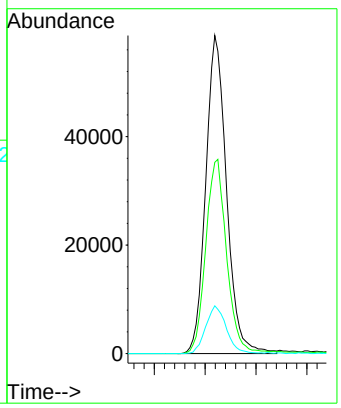


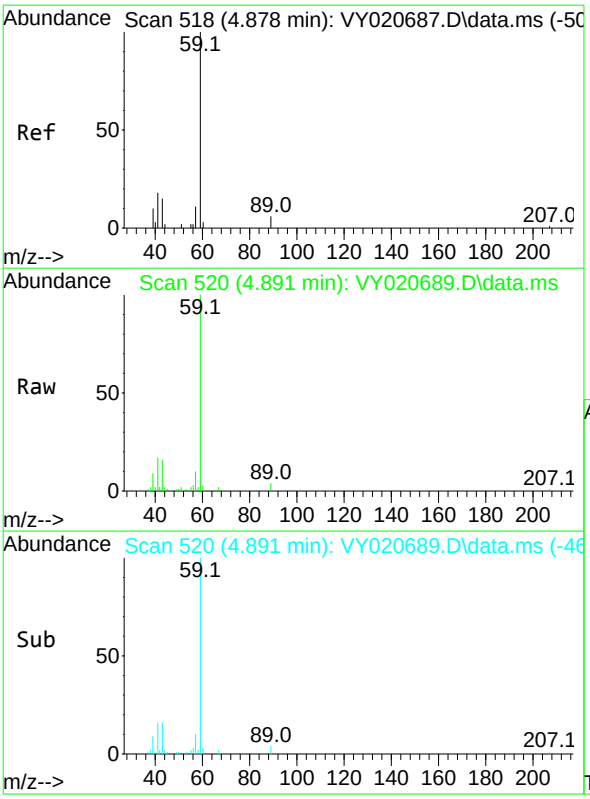


#10
Methyl Iodide
Concen: 162.032 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:142 Resp: 166424

Ion	Ratio	Lower	Upper
142	100		
127	61.9	40.6	61.0#
141	14.9	11.7	17.5

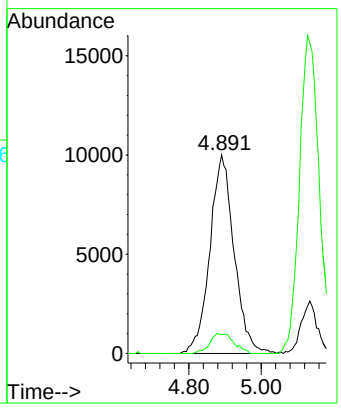




#11
Tert butyl alcohol
Concen: 552.605 ug/l
RT: 4.891 min Scan# 52
Delta R.T. 0.013 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 59 Resp: 46487

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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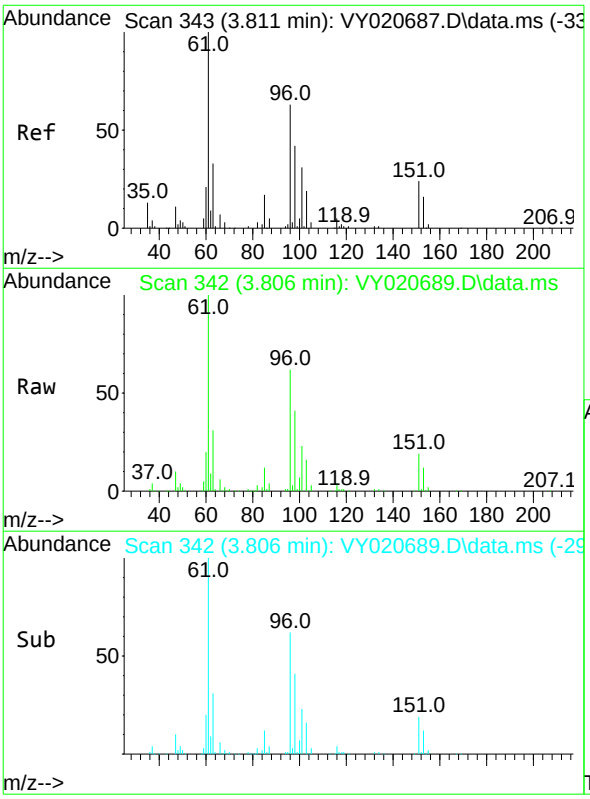
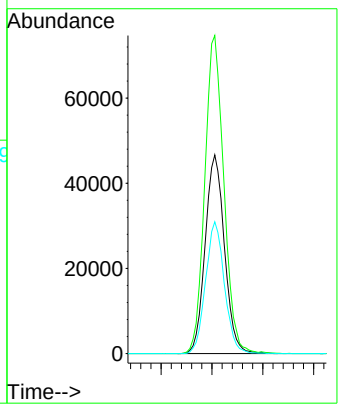
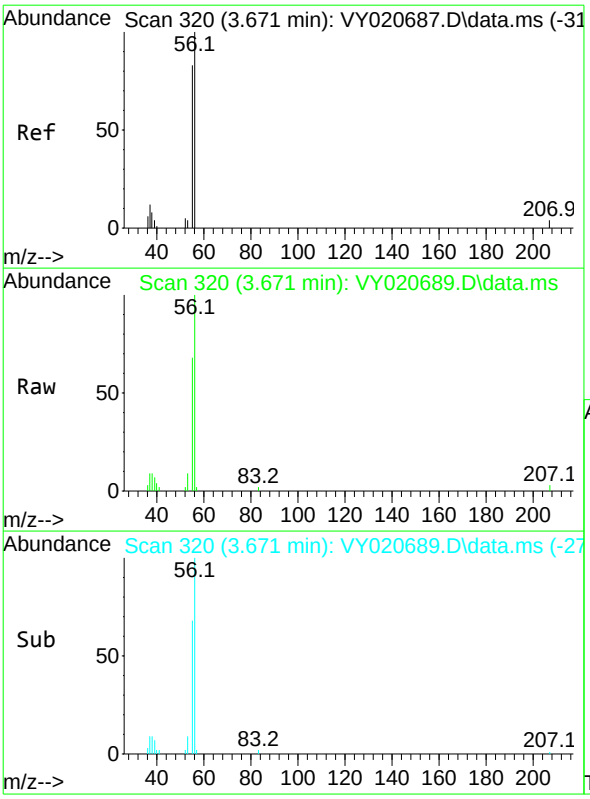


#12
1,1-Dichloroethene
Concen: 155.626 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 96 Resp: 123149

Ion	Ratio	Lower	Upper
96	100		
61	160.0	136.9	205.3
98	66.3	50.2	75.4

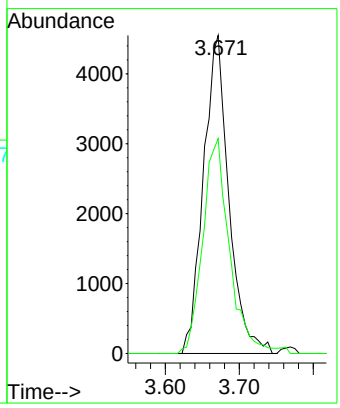




#13
Acrolein
Concen: 740.749 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 56 Resp: 10860

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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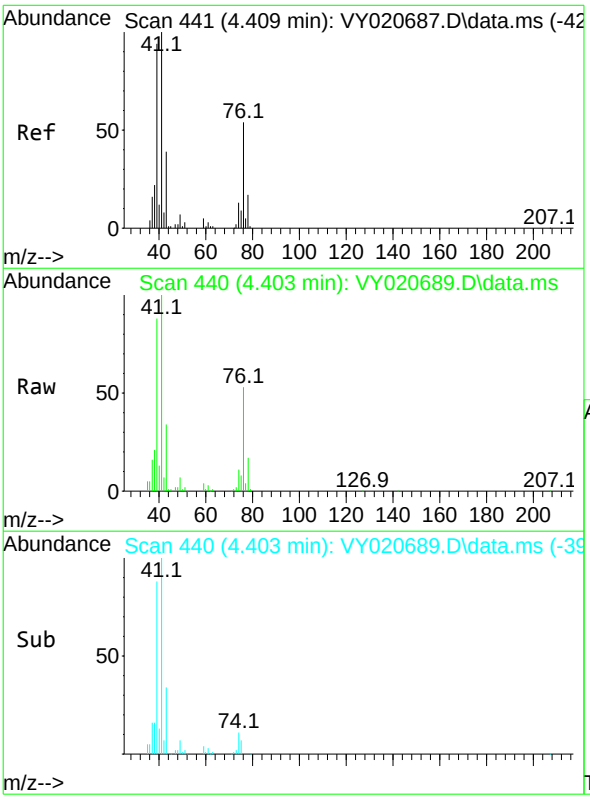
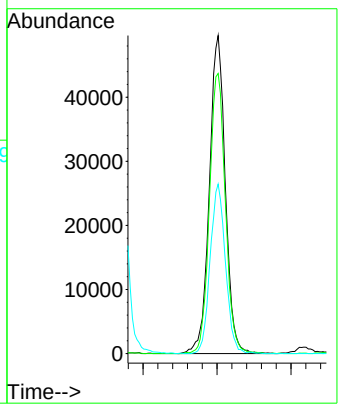
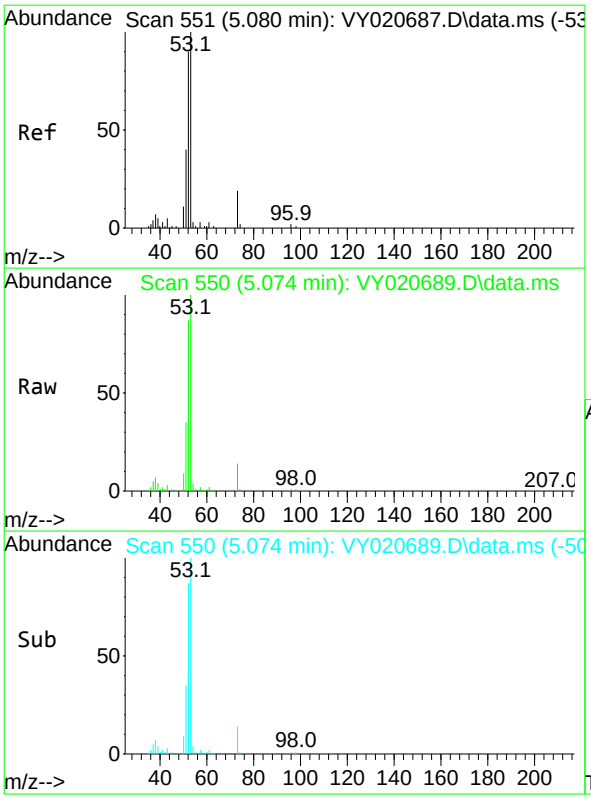


#14
Allyl chloride
Concen: 160.548 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 41 Resp: 148981

Ion	Ratio	Lower	Upper
41	100		
39	87.9	53.0	79.4#
76	50.9	29.5	44.3#

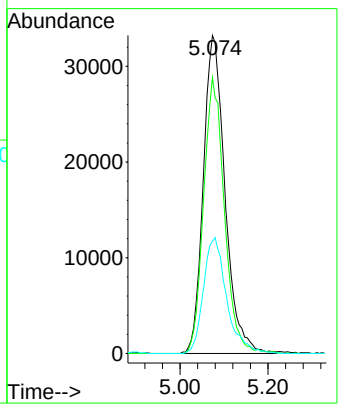




#15
Acrylonitrile
Concen: 790.747 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 53 Resp: 113912

Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.5	96.7
51	39.0	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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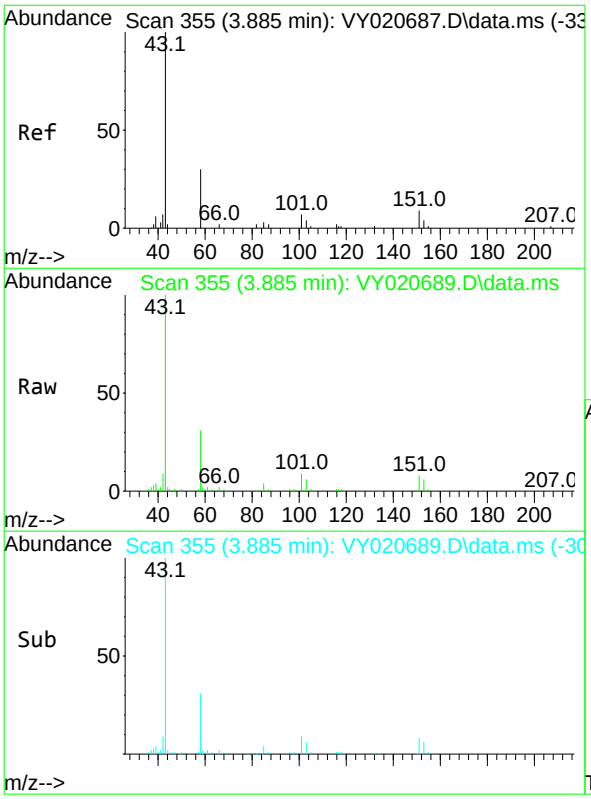
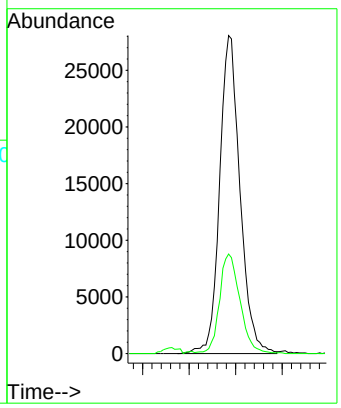
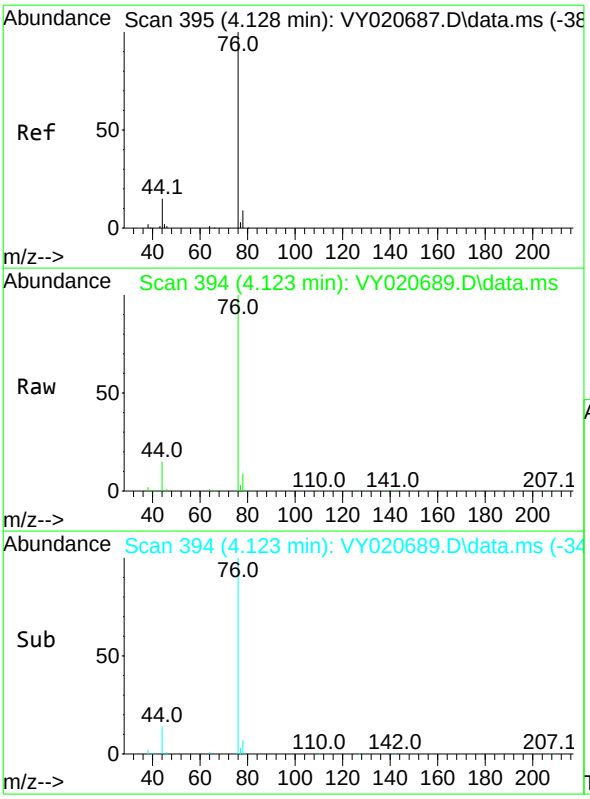


#16
Acetone
Concen: 710.409 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 85270

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6

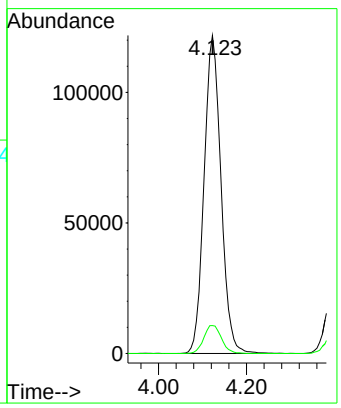




#17
Carbon Disulfide
Concen: 164.698 ug/l
RT: 4.123 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 76 Resp: 324936

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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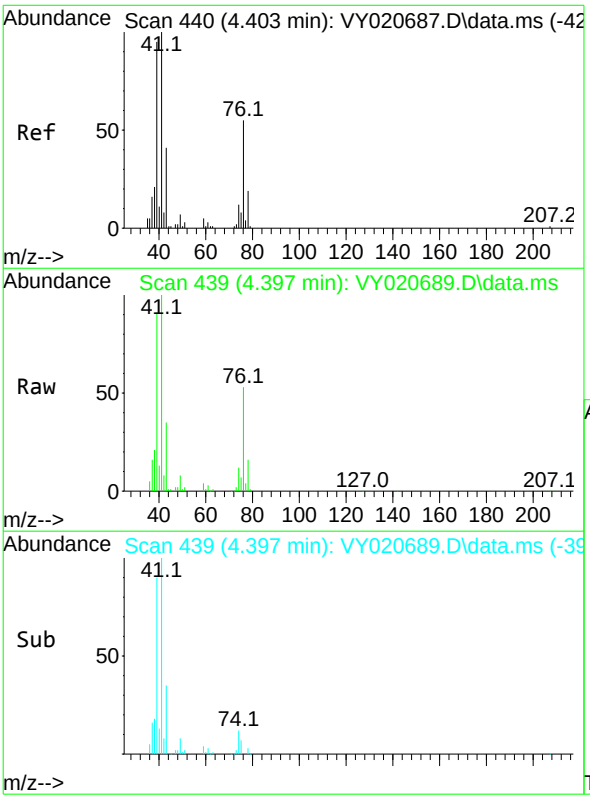
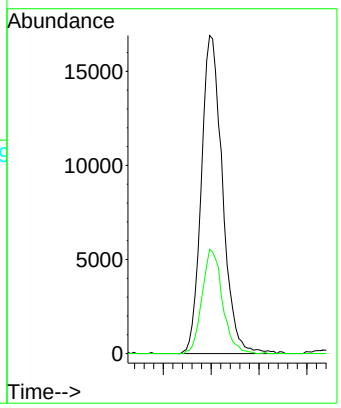
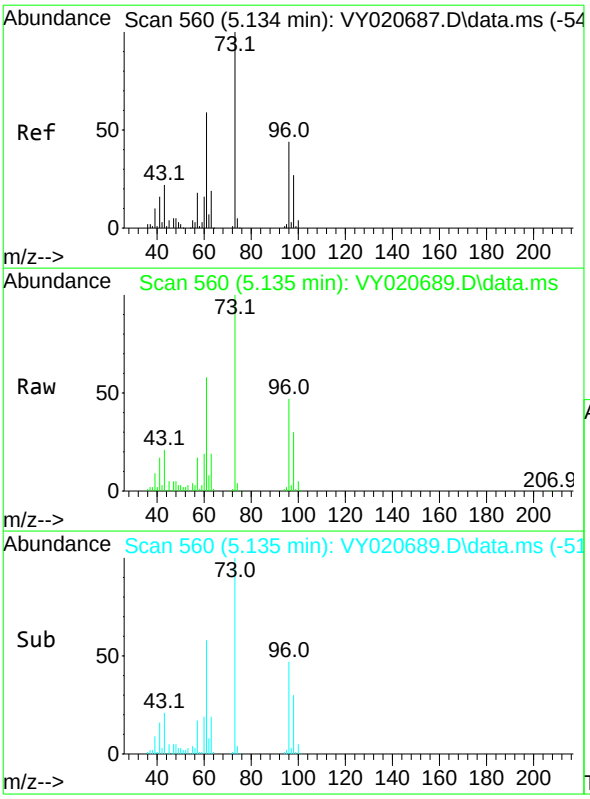


#18
Methyl Acetate
Concen: 166.772 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 51789

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#





#19
Methyl tert-butyl Ether
Concen: 156.949 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 73 Resp: 337824

Ion	Ratio	Lower	Upper
73	100		
57	17.3	18.5	27.7#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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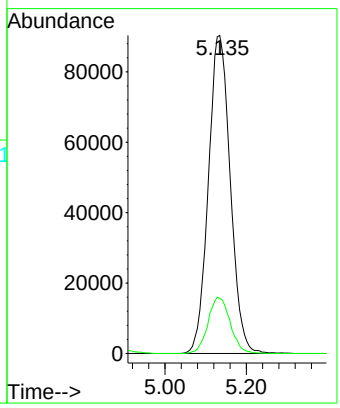
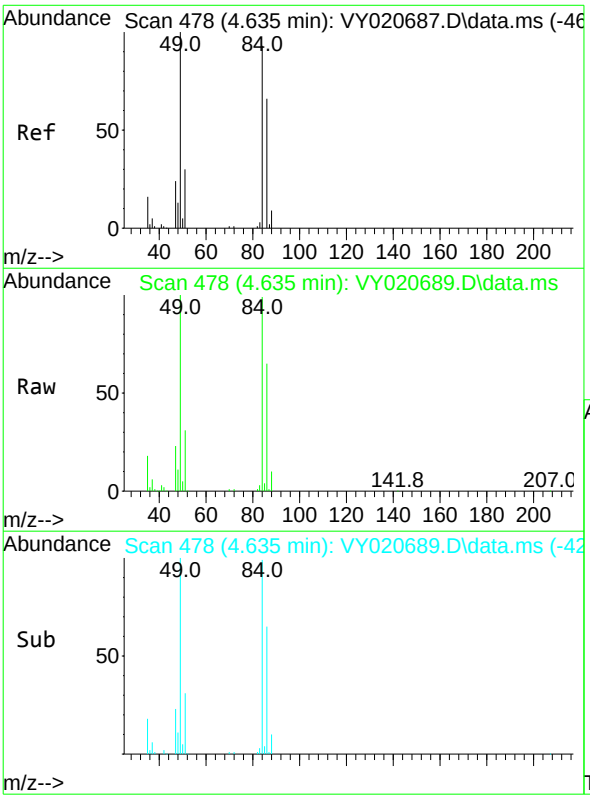
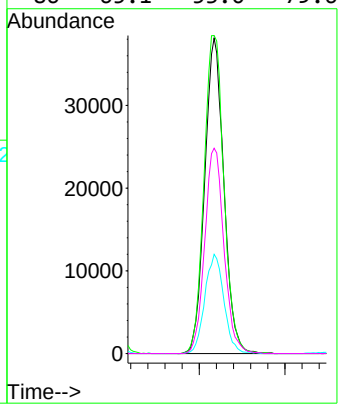


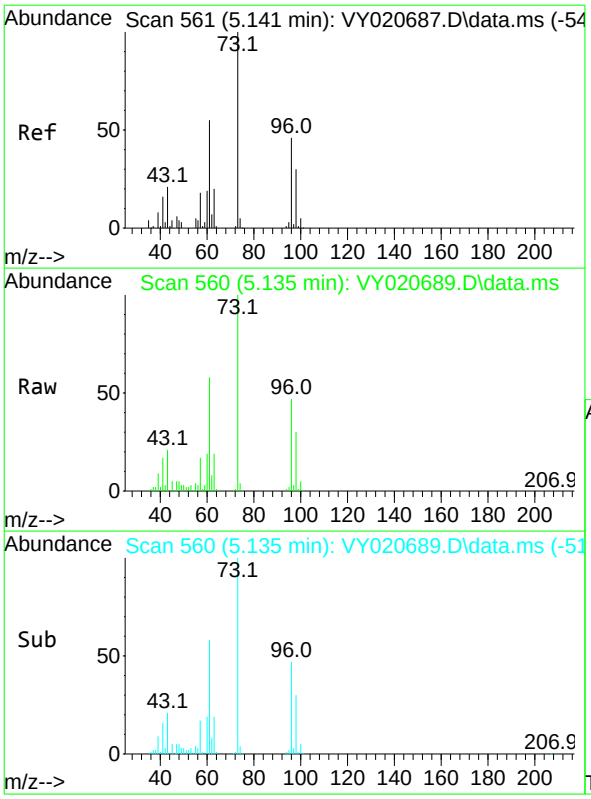


#20
Methylene Chloride
Concen: 147.834 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 84 Resp: 118243

Ion	Ratio	Lower	Upper
84	100		
49	100.8	100.7	151.1
51	31.5	32.2	48.2#
86	65.1	53.0	79.6

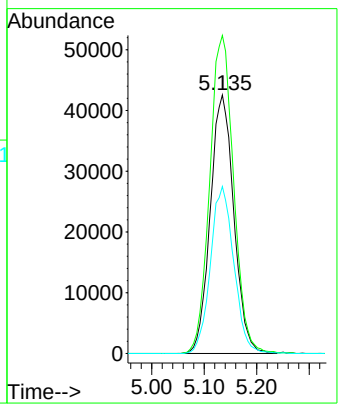




#21
trans-1,2-Dichloroethene
Concen: 155.860 ug/l
RT: 5.135 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 96 Resp: 132986

Ion	Ratio	Lower	Upper
96	100		
61	123.0	113.7	170.5
98	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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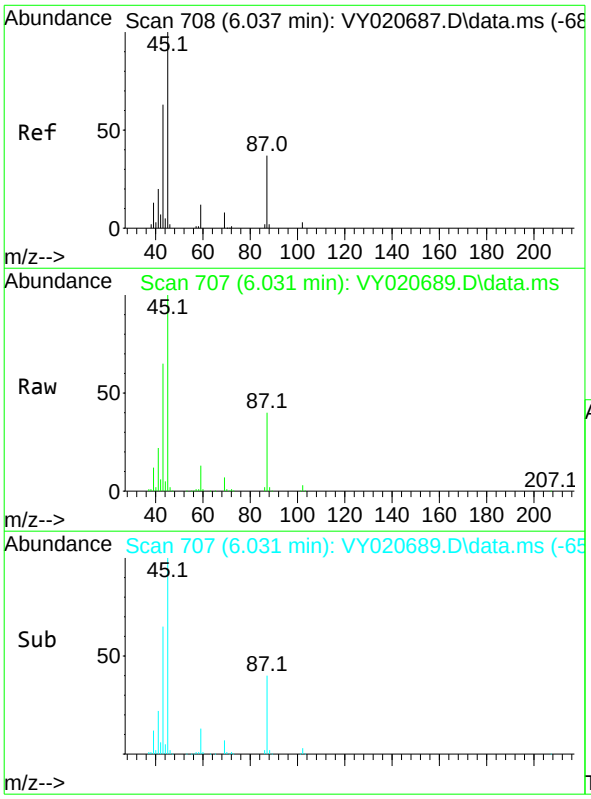
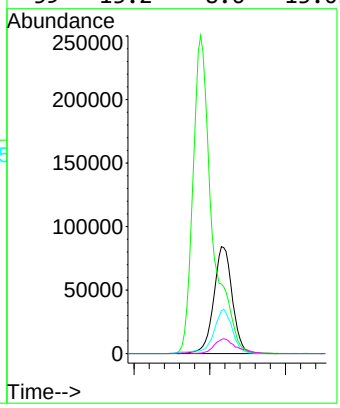
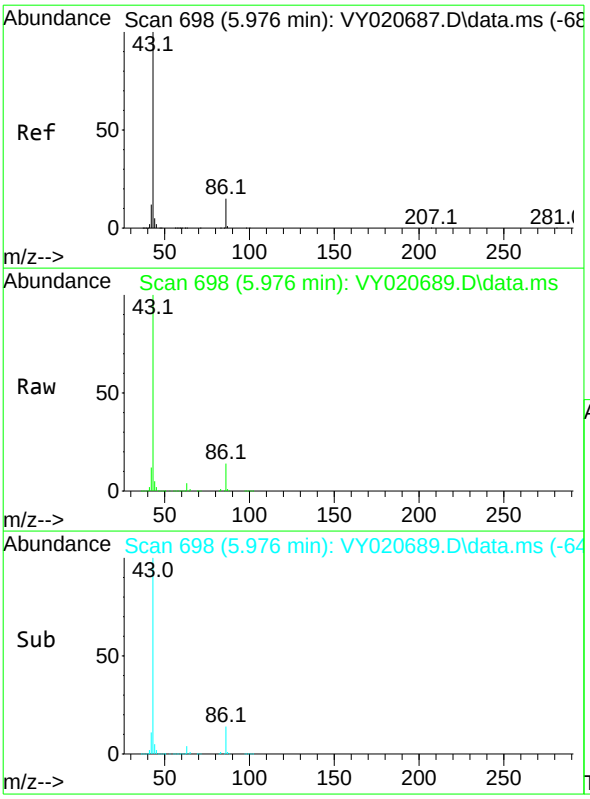


#22
Diisopropyl ether
Concen: 150.931 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 45 Resp: 286326

Ion	Ratio	Lower	Upper
45	100		
43	64.7	42.6	64.0#
87	40.1	20.6	31.0#
59	13.2	8.6	13.0#

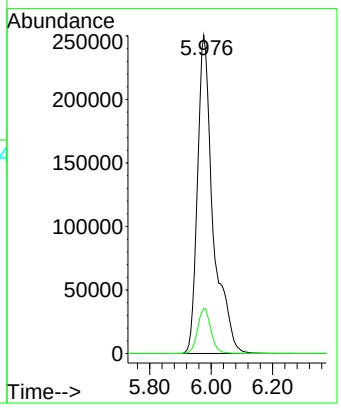




#23
Vinyl Acetate
Concen: 784.352 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 881097

Ion	Ratio	Lower	Upper
43	100		
86	14.1	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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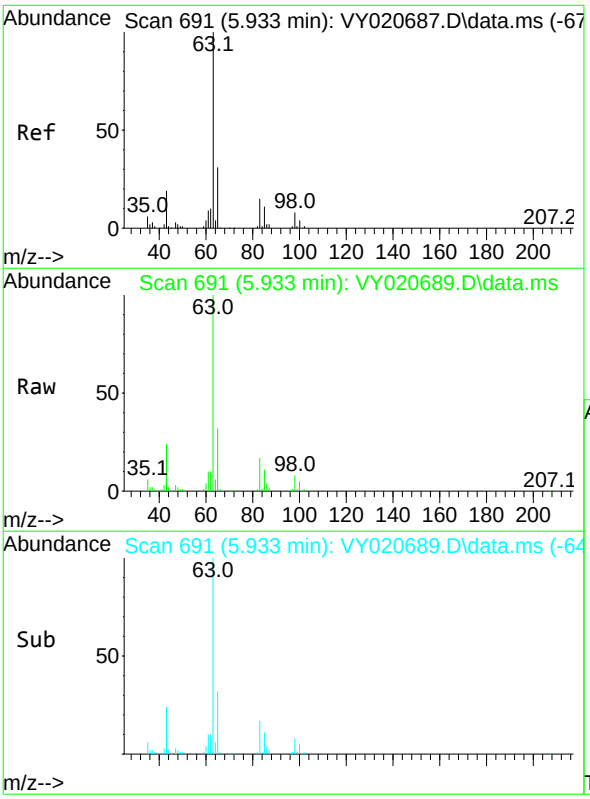
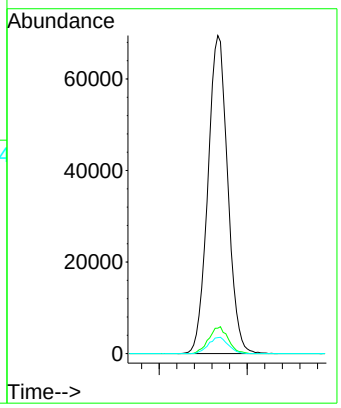
Supervised By :Mahesh Dadoda 12/26/2024

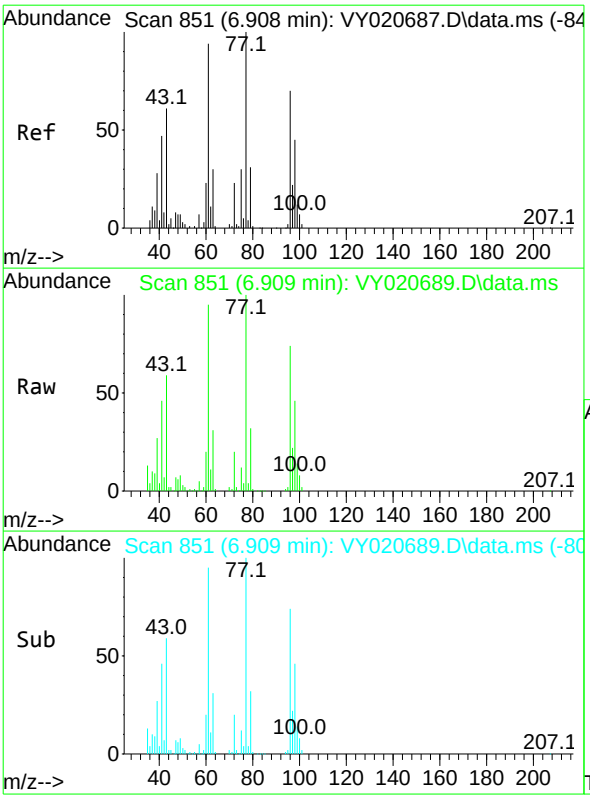


#24
1,1-Dichloroethane
Concen: 153.814 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 63 Resp: 217525

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	5.0	2.1	6.5

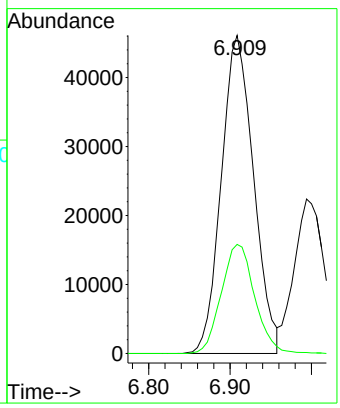




#25
2-Butanone
Concen: 754.045 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 127141

Ion	Ratio	Lower	Upper
43	100		
72	34.3	20.6	31.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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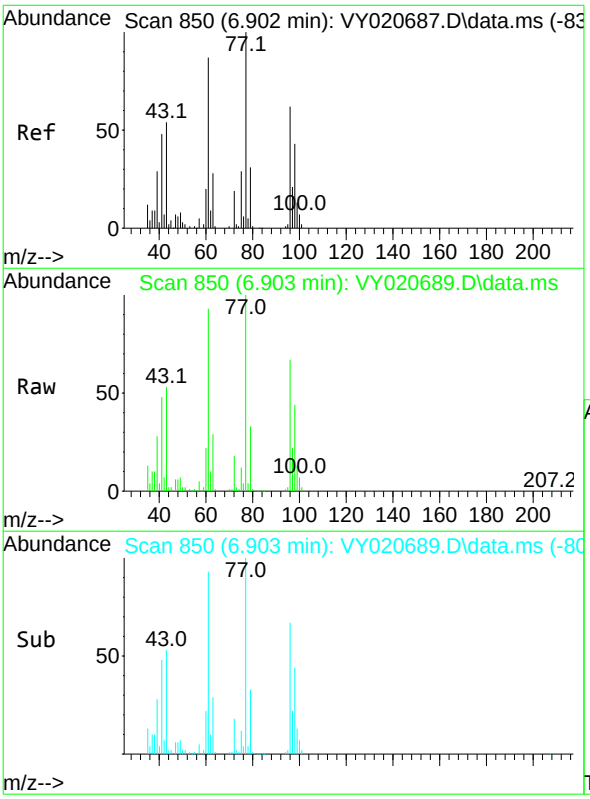
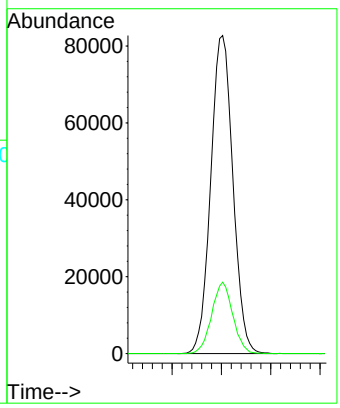
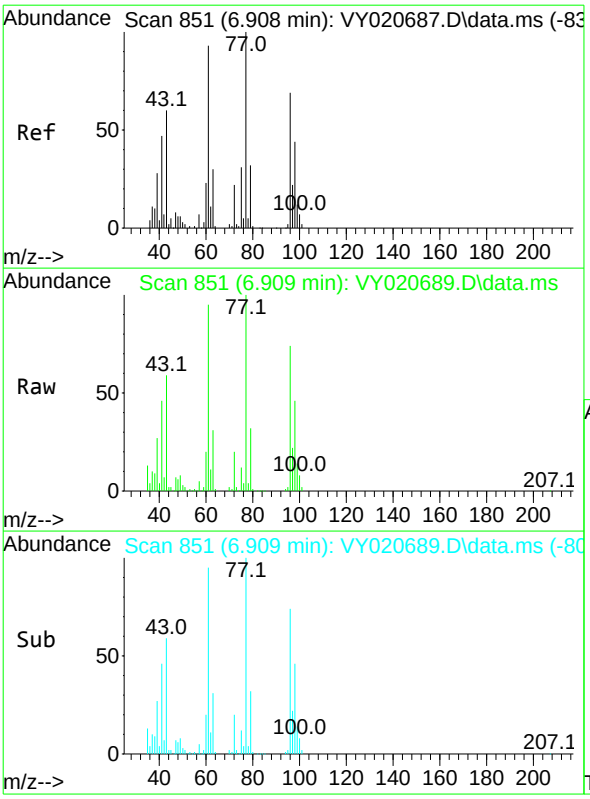


#26
2,2-Dichloropropane
Concen: 146.050 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 77 Resp: 258411

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.6

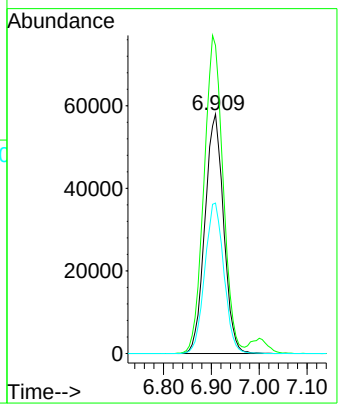




#27
cis-1,2-Dichloroethene
Concen: 154.818 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 96 Resp: 157335

Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	306.2
98	64.3	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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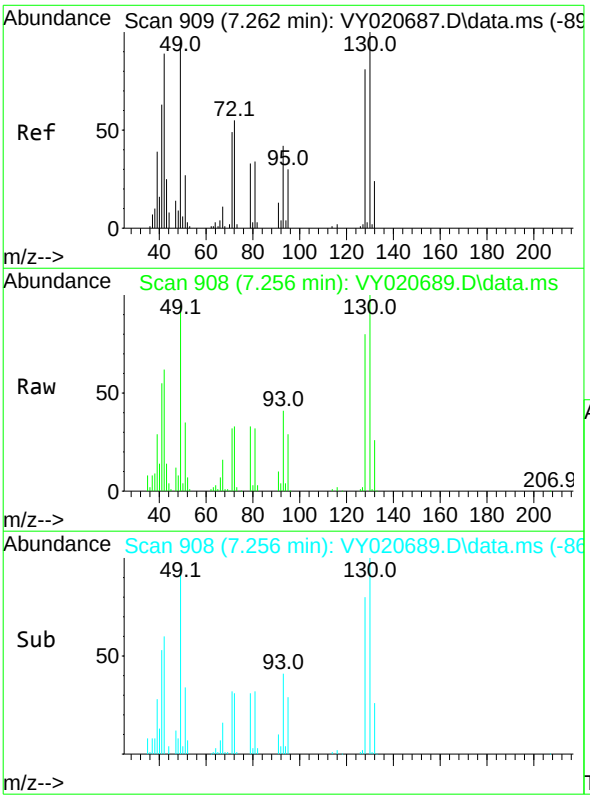
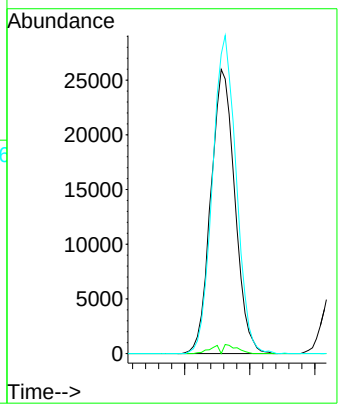
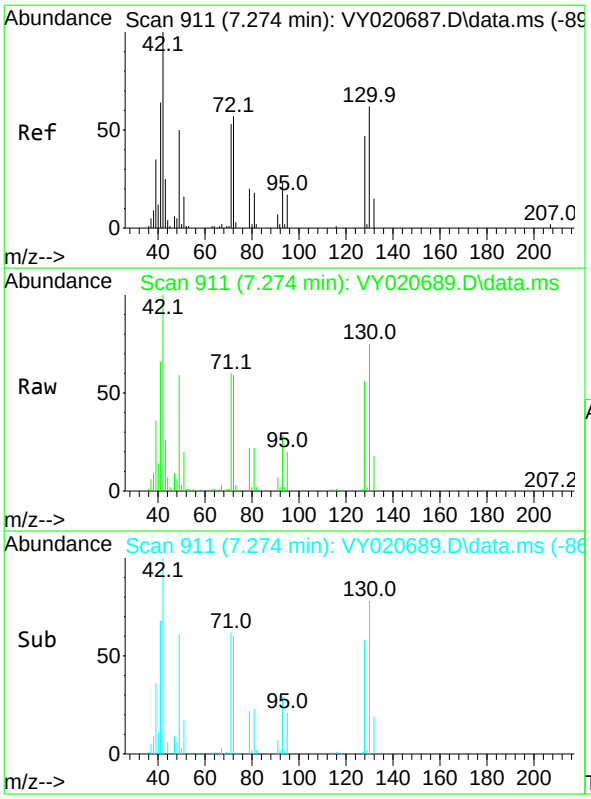


#28
Bromochloromethane
Concen: 150.678 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 49 Resp: 66534

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	110.5	58.3	87.5#

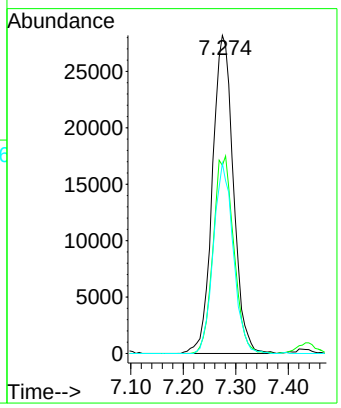




#29
Tetrahydrofuran
Concen: 788.722 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 42 Resp: 78165

Ion	Ratio	Lower	Upper
42	100		
72	61.2	34.0	51.0#
71	56.9	31.6	47.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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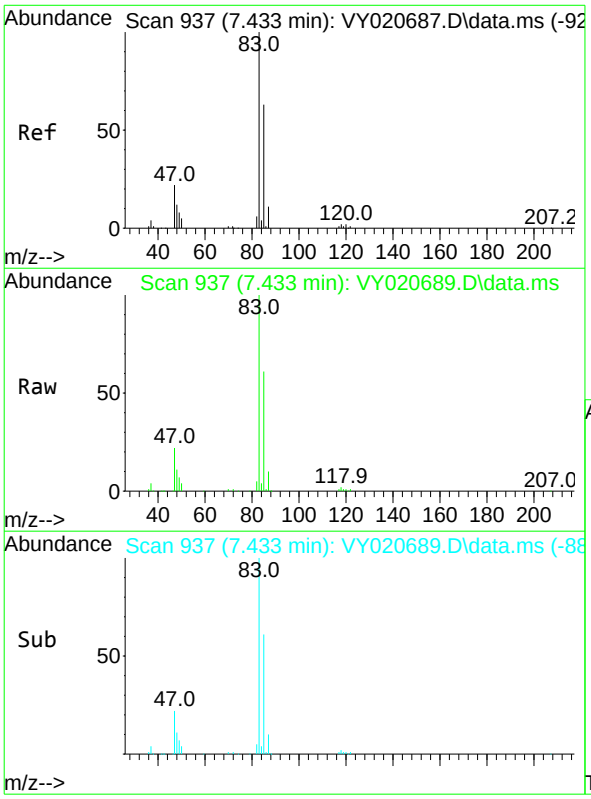
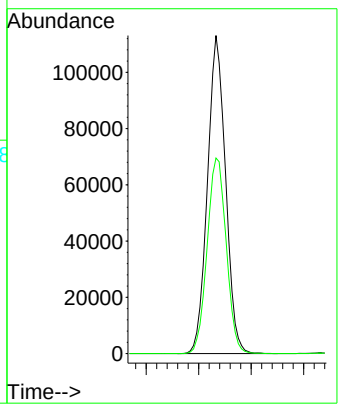
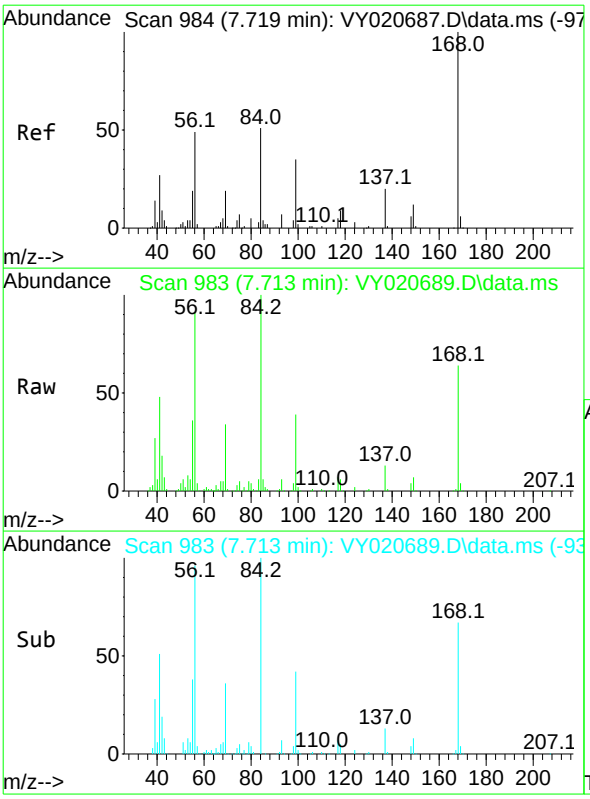


#30
Chloroform
Concen: 145.605 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 83 Resp: 270669

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.7	79.1





#31
Cyclohexane
Concen: 137.425 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 56 Resp: 170404

Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.4	38.0
84	107.2	68.3	102.5#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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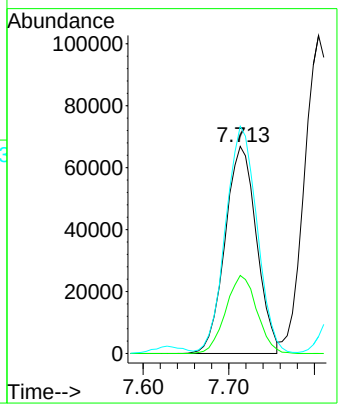
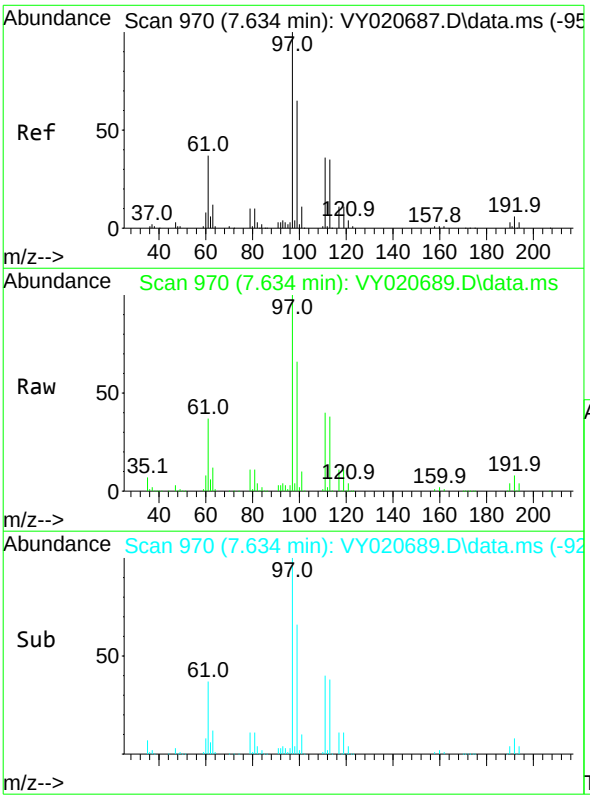
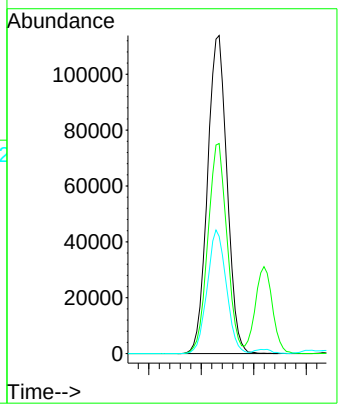


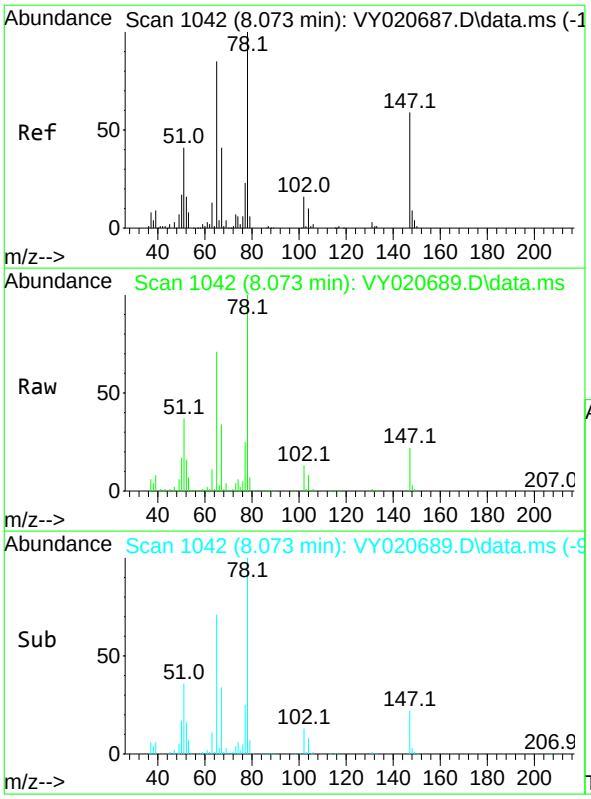


#32
1,1,1-Trichloroethane
Concen: 151.797 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 97 Resp: 294790

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	38.0	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 158.528 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 65 Resp: 166588

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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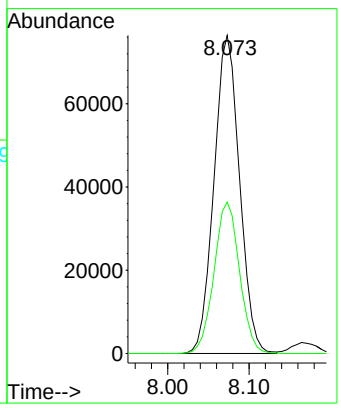
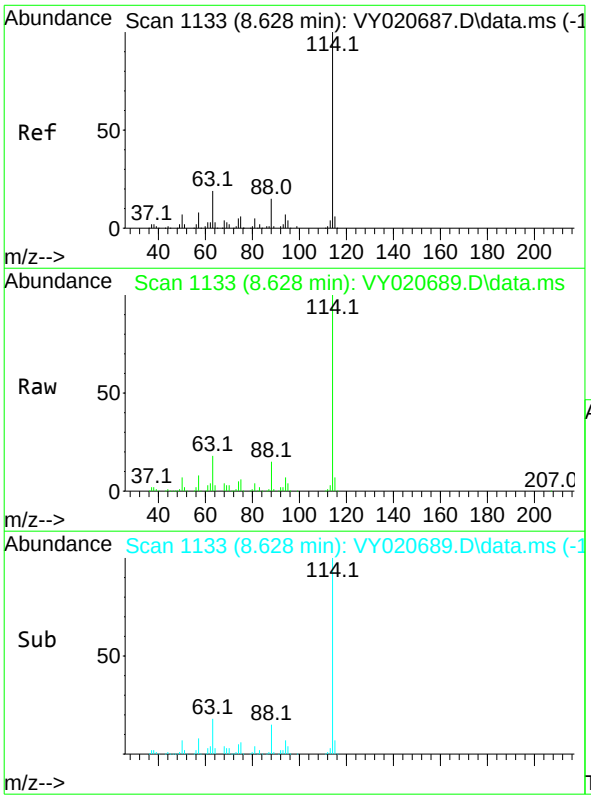
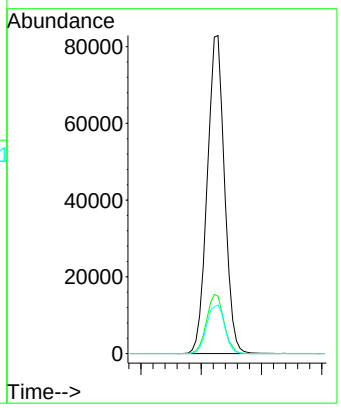


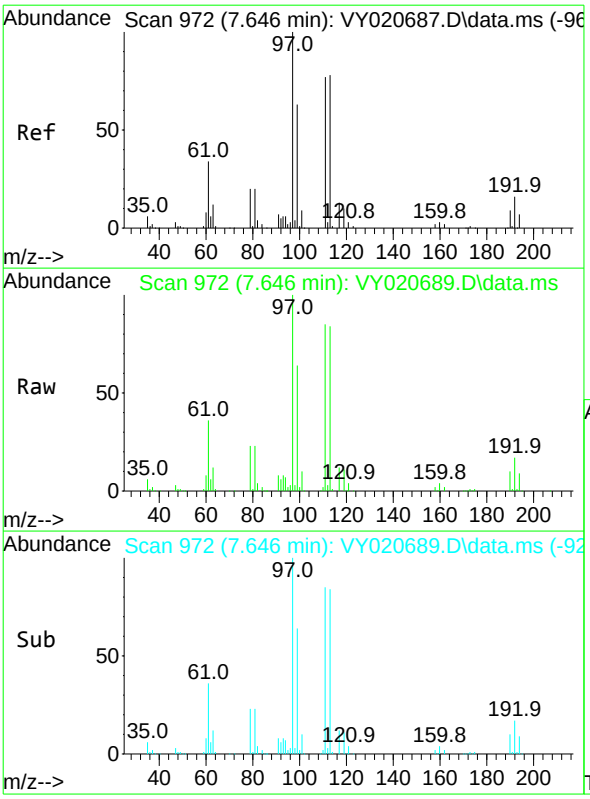


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:114 Resp: 164956

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	44.0
88	15.3	0.0	32.8





#35
Dibromofluoromethane
Concen: 152.769 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 147969

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.7	15.7	23.5

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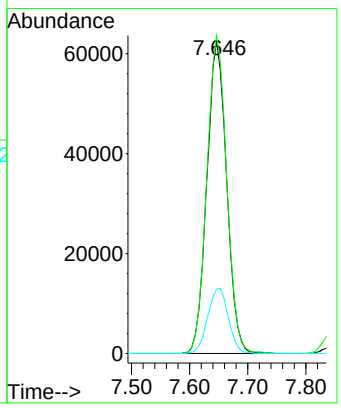
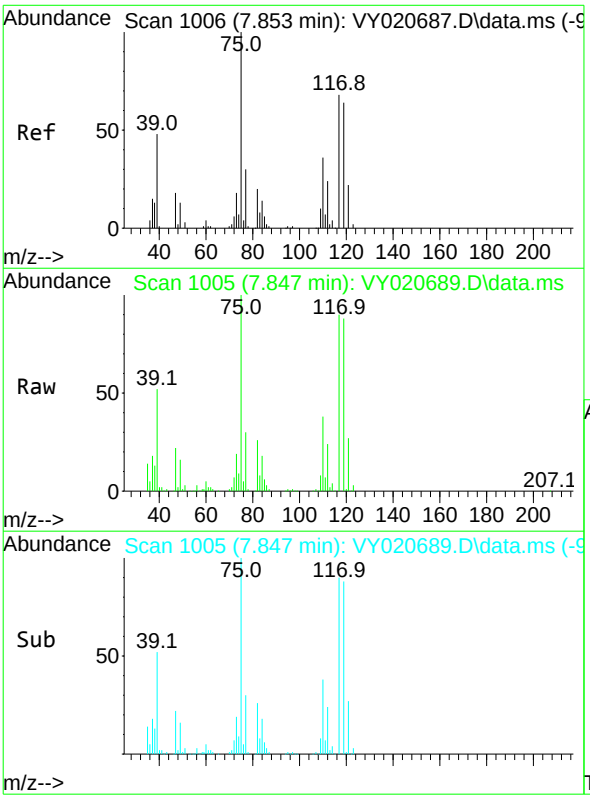
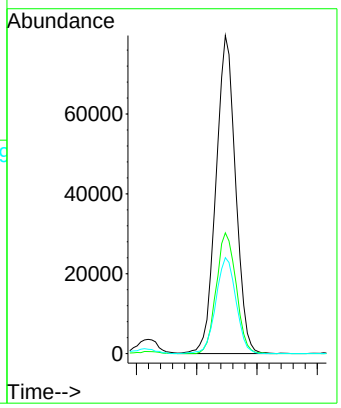


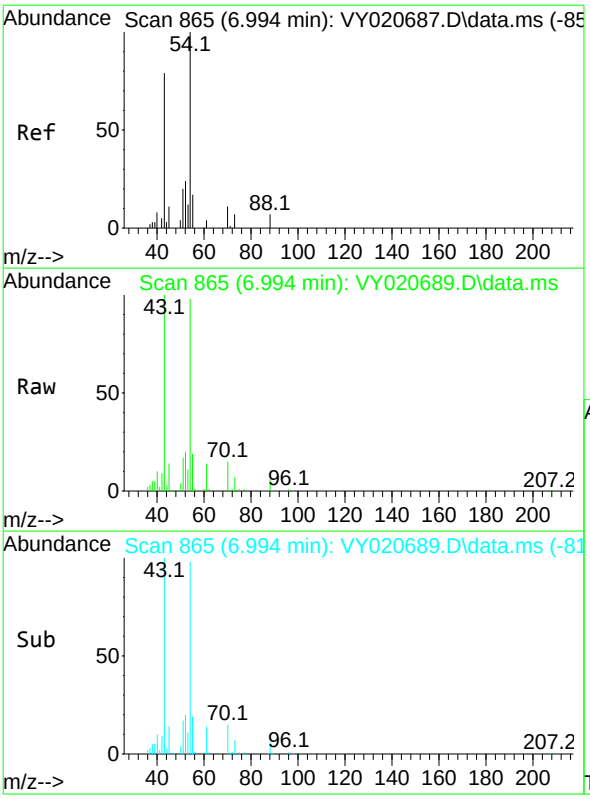


#36
1,1-Dichloropropene
Concen: 152.988 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 180118

Ion	Ratio	Lower	Upper
75	100		
110	38.3	16.8	50.4
77	31.0	25.0	37.6

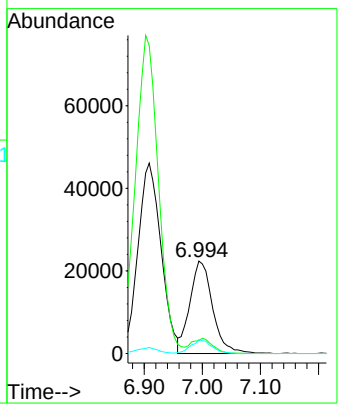




#37
Ethyl Acetate
Concen: 158.166 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 60857

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	13.5	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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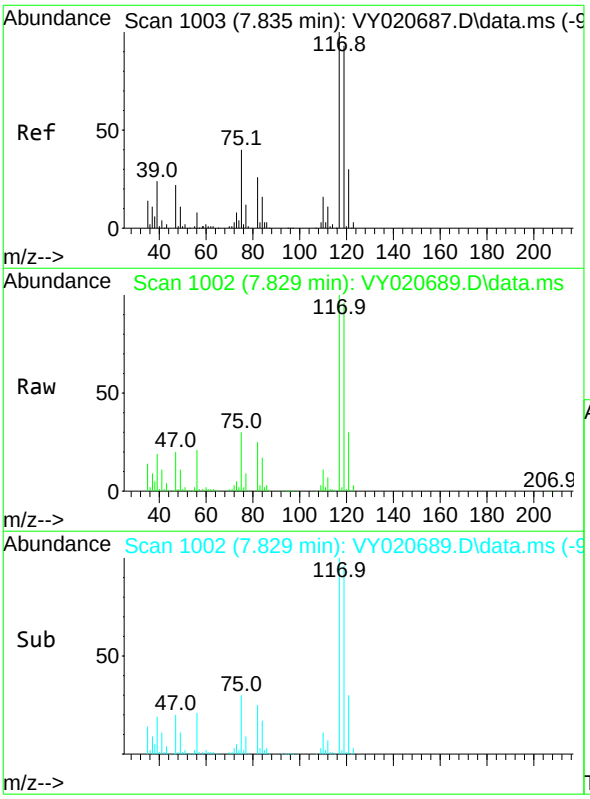
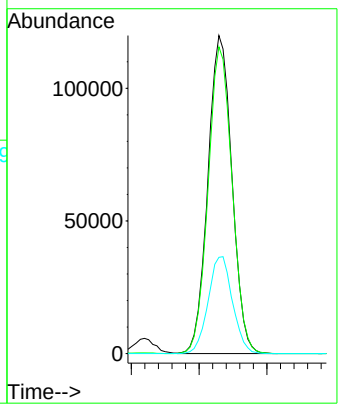
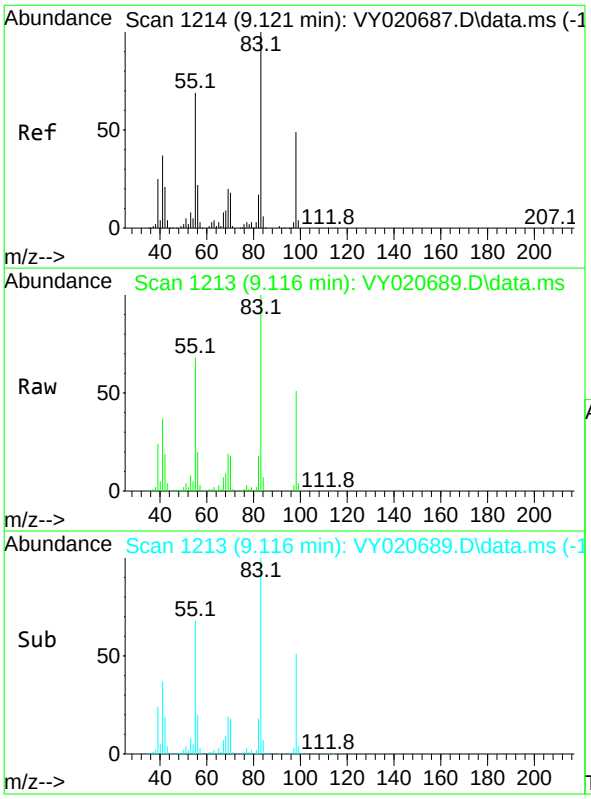


#38
Carbon Tetrachloride
Concen: 154.972 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:117 Resp: 295253

Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.3	117.5
121	30.3	25.1	37.7

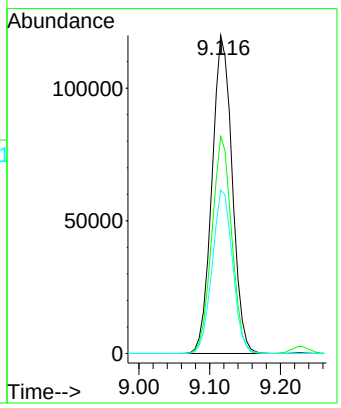




#39
Methylcyclohexane
Concen: 158.923 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 83 Resp: 237823

Ion	Ratio	Lower	Upper
83	100		
55	68.2	61.4	92.0
98	51.4	37.3	55.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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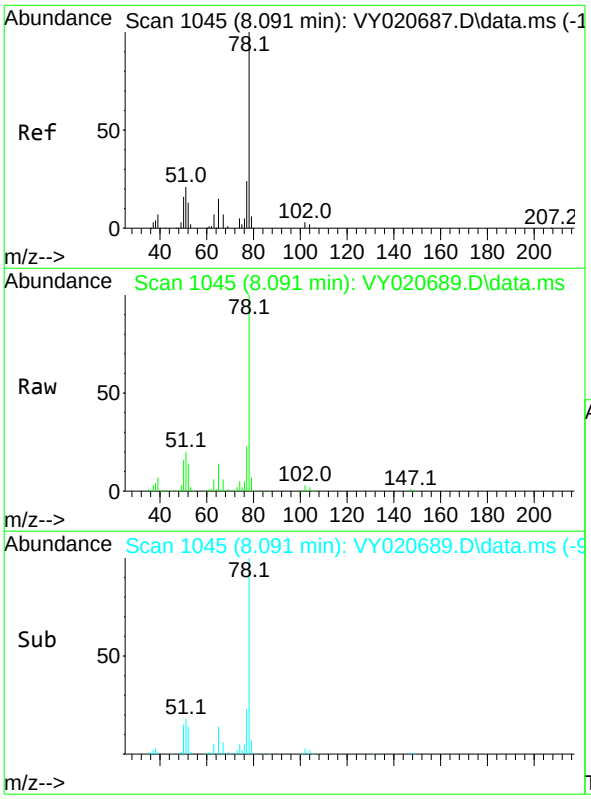
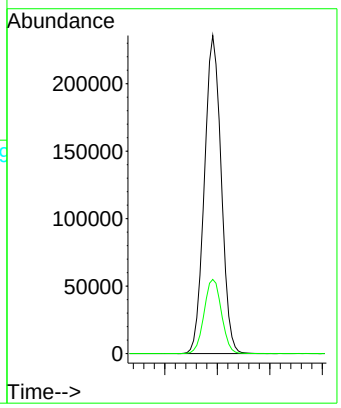
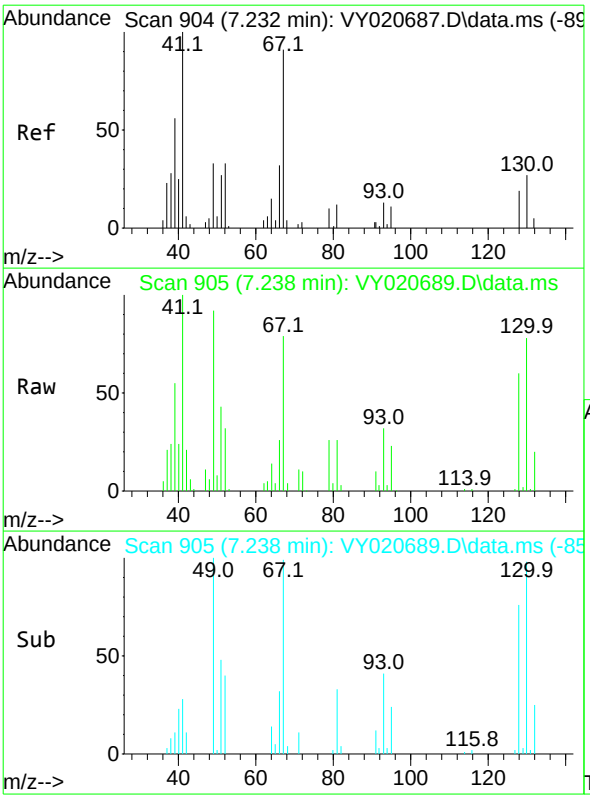


#40
Benzene
Concen: 154.222 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 78 Resp: 523806

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1

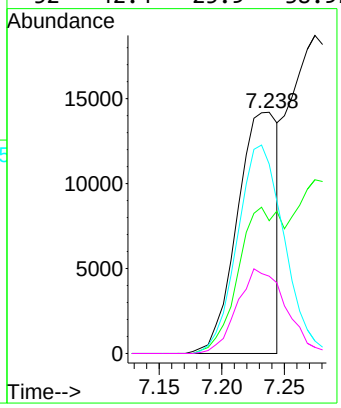




#41
Methacrylonitrile
Concen: 146.421 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 41 Resp: 31885

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.6	80.4
67	100.2	62.0	93.0#
52	42.4	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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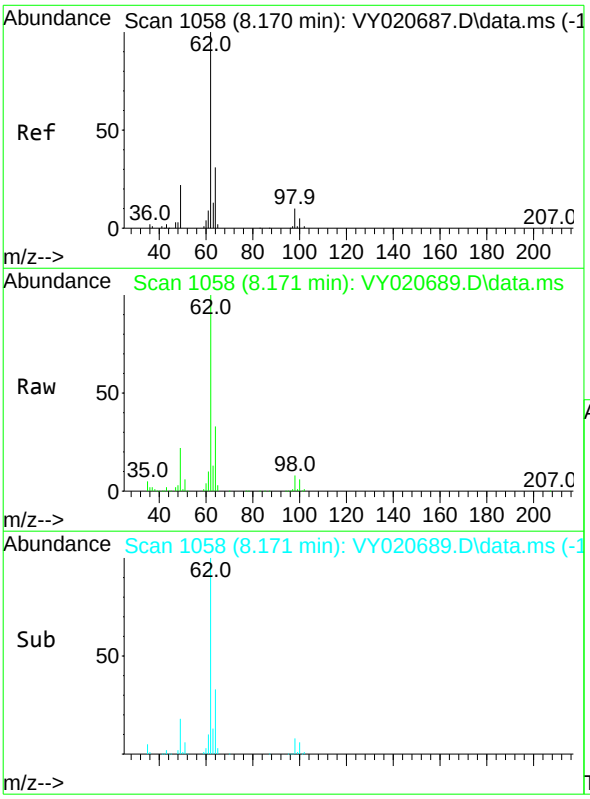
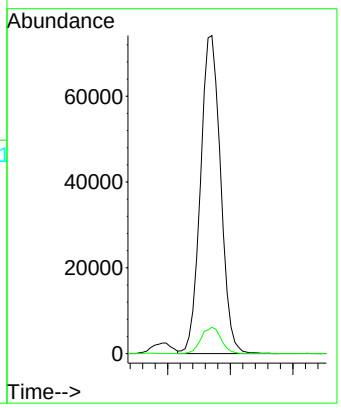
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

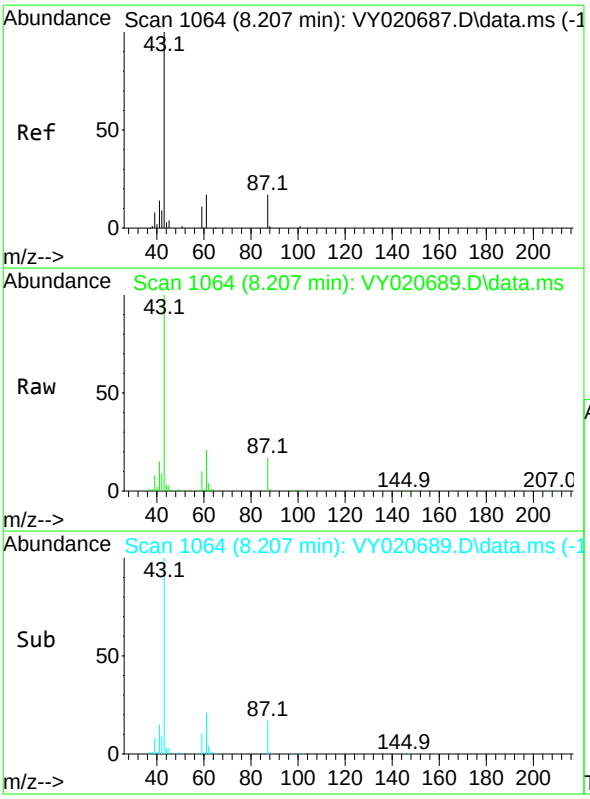


#42
1,2-Dichloroethane
Concen: 153.149 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 62 Resp: 165429

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.0

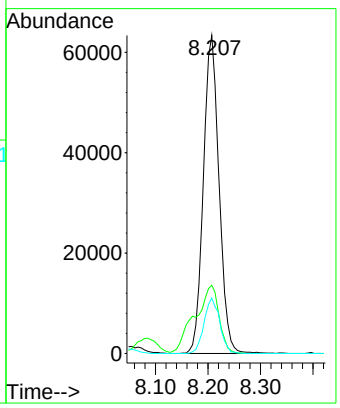




#43
Isopropyl Acetate
Concen: 164.314 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 131403

Ion	Ratio	Lower	Upper
43	100		
61	33.2	23.8	35.6
87	17.5	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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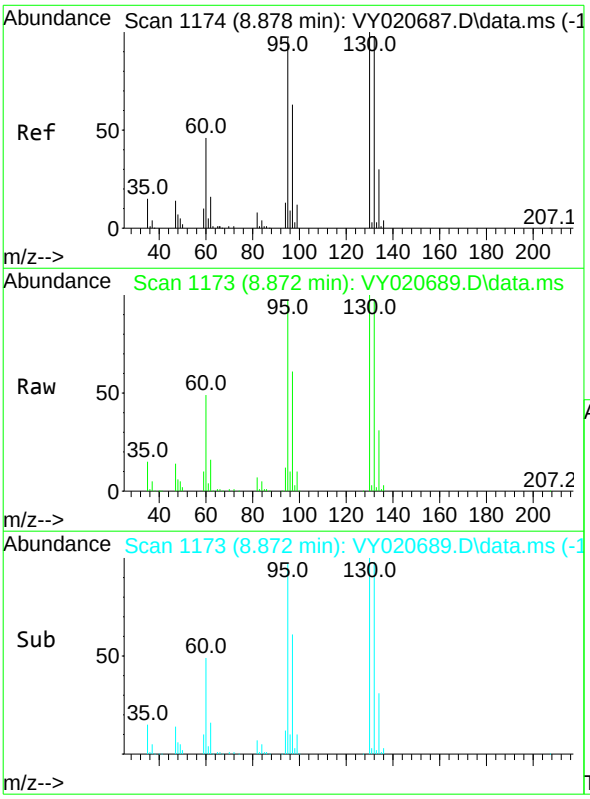
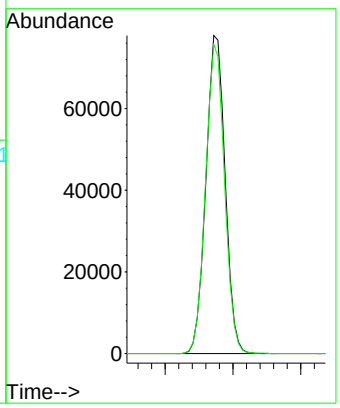
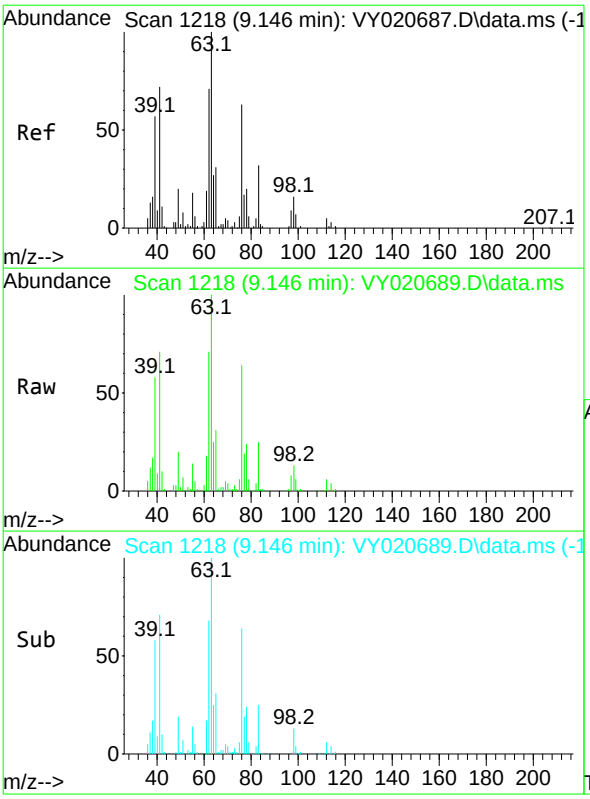


#44
Trichloroethene
Concen: 151.961 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:130 Resp: 153176

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	203.2

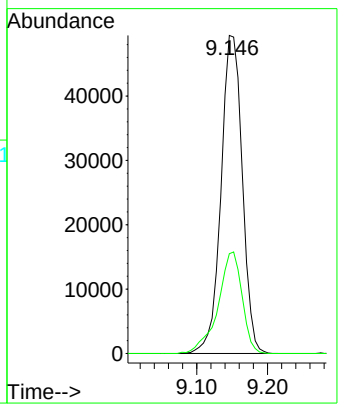




#45
1,2-Dichloropropane
Concen: 154.651 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 63 Resp: 103202

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9



Instrument :
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ClientSampleId :
VSTDICC150

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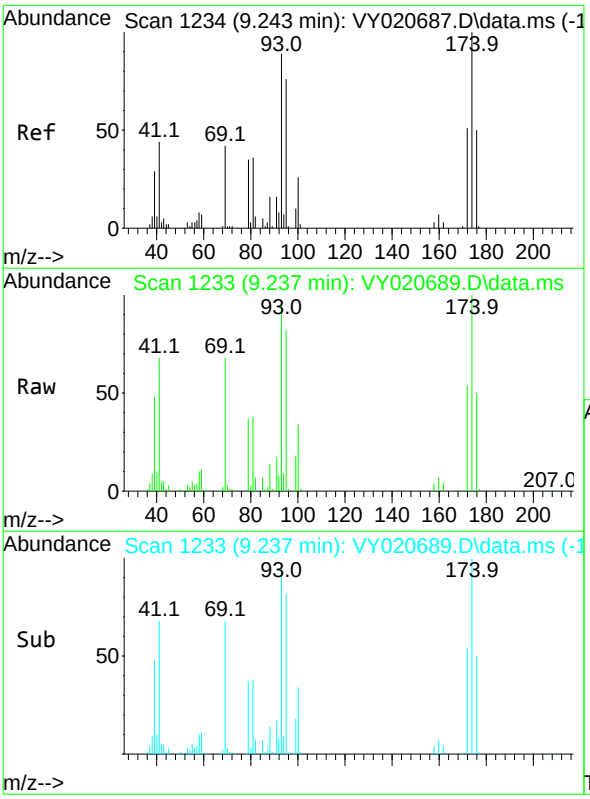
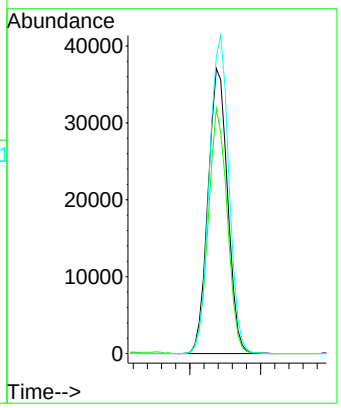
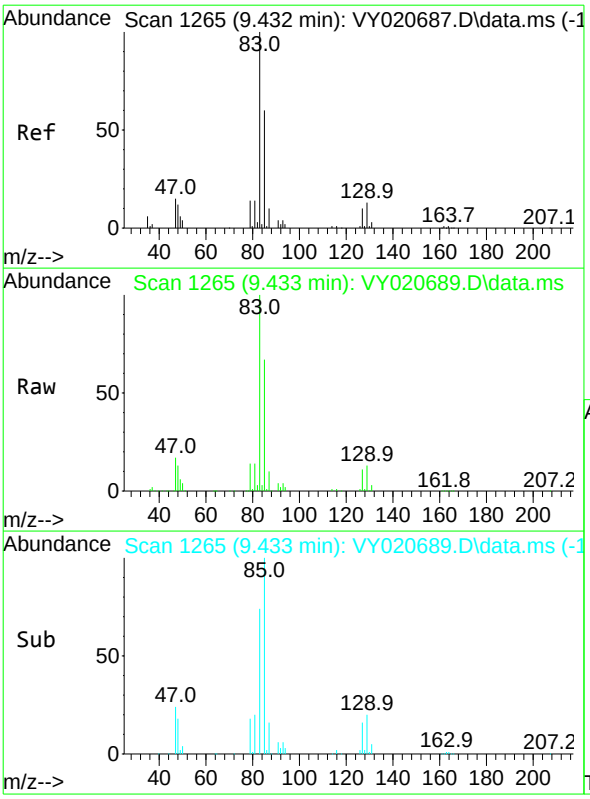


#46
Dibromomethane
Concen: 154.707 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 93 Resp: 71272

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	111.1	77.8	116.6

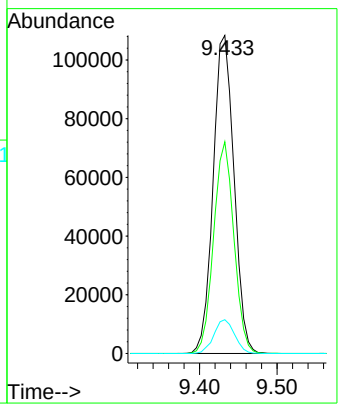




#47
Bromodichloromethane
Concen: 155.020 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 83 Resp: 202588

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1
127	10.6	6.7	10.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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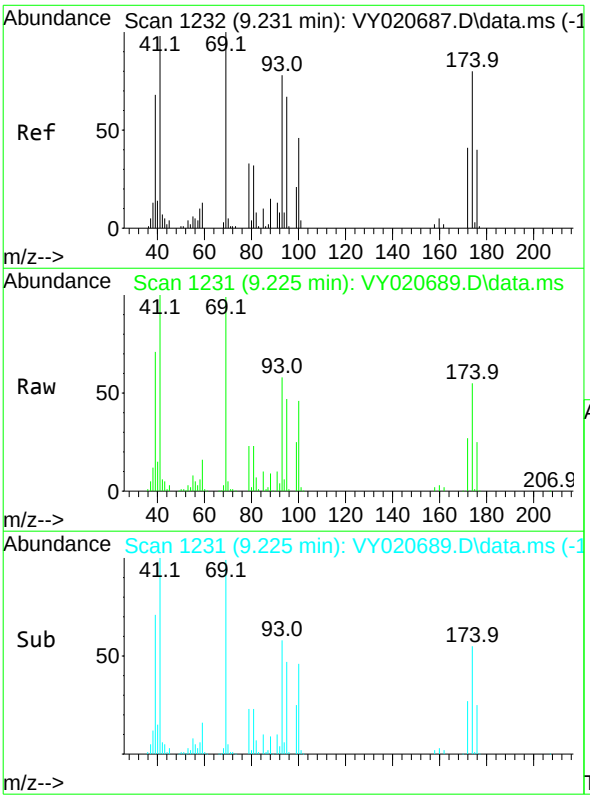
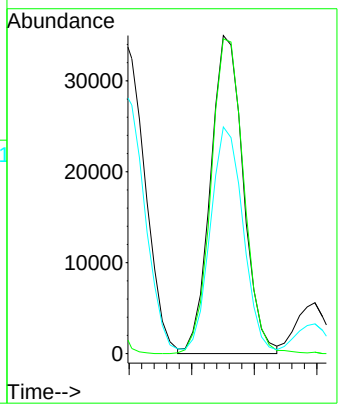
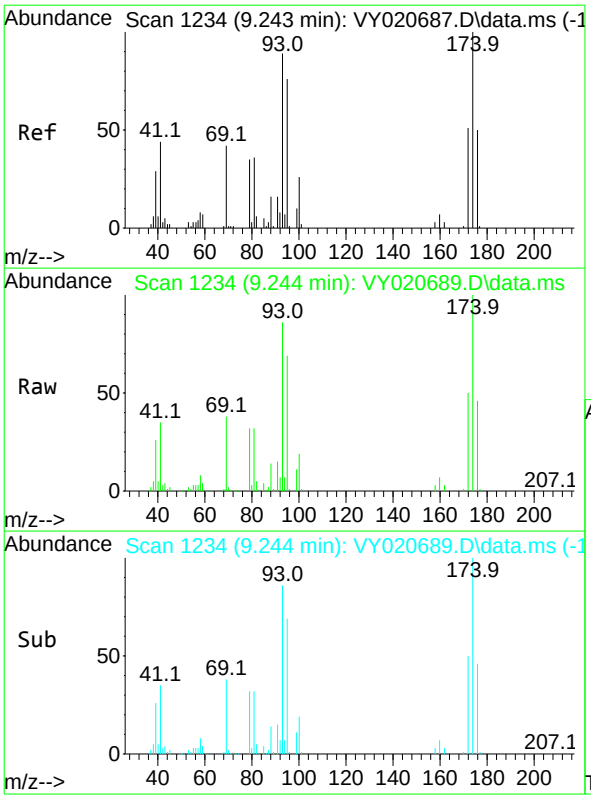


#48
Methyl methacrylate
Concen: 167.633 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 41 Resp: 63549

Ion	Ratio	Lower	Upper
41	100		
69	98.9	67.2	100.8
39	69.0	42.2	63.4#

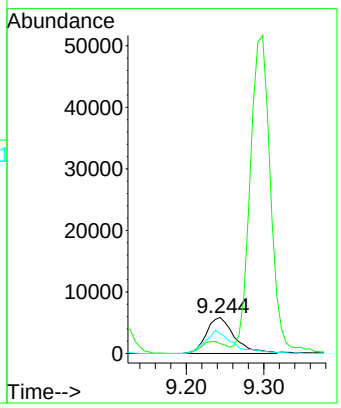




#49
1,4-Dioxane
Concen: 3074.487 ug/l
RT: 9.244 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 88 Resp: 14771

Ion	Ratio	Lower	Upper
88	100		
43	29.0	27.6	41.4
58	63.3	61.7	92.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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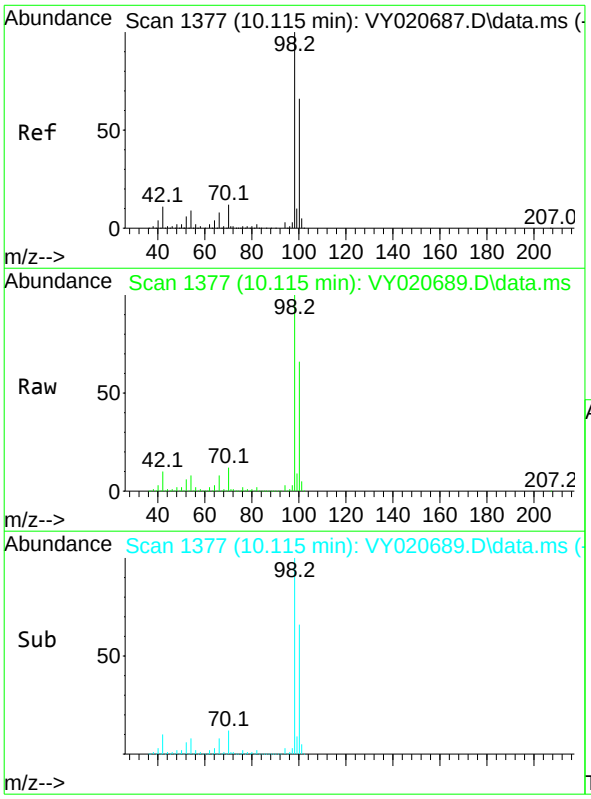
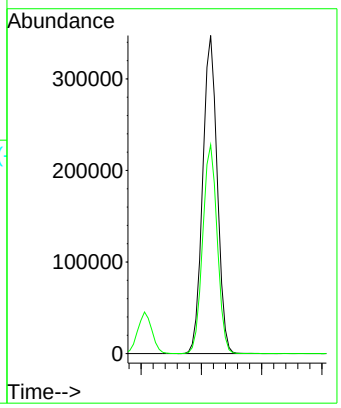
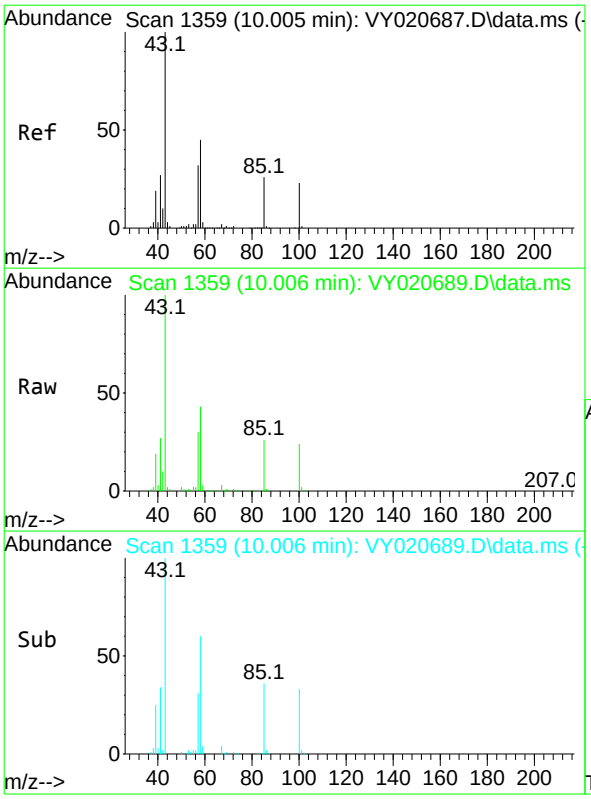


#50
Toluene-d8
Concen: 165.125 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 98 Resp: 580903

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 788.748 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 315090

Ion	Ratio	Lower	Upper
43	100		
58	43.9	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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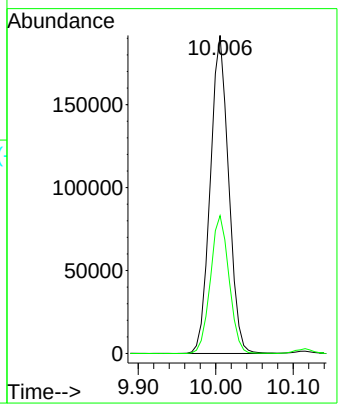
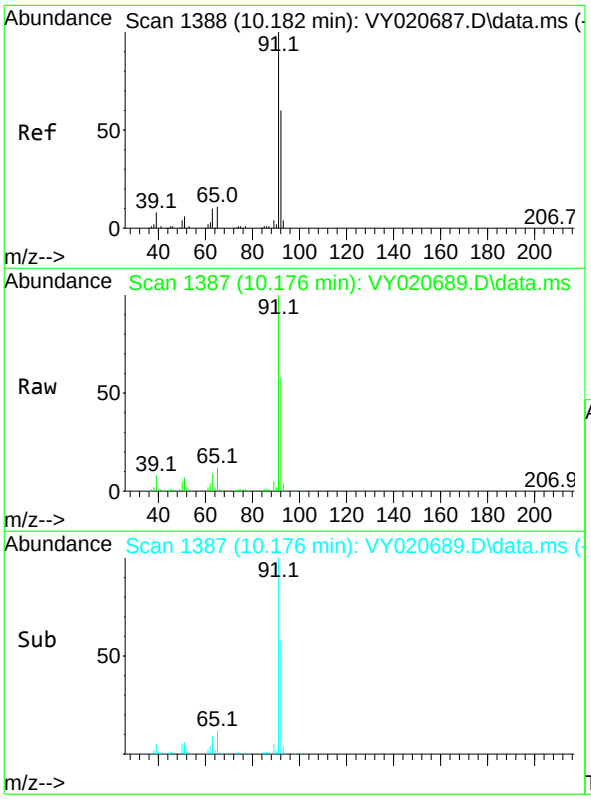
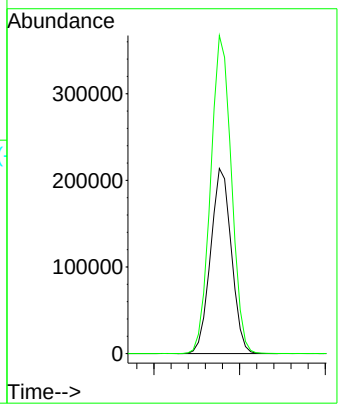


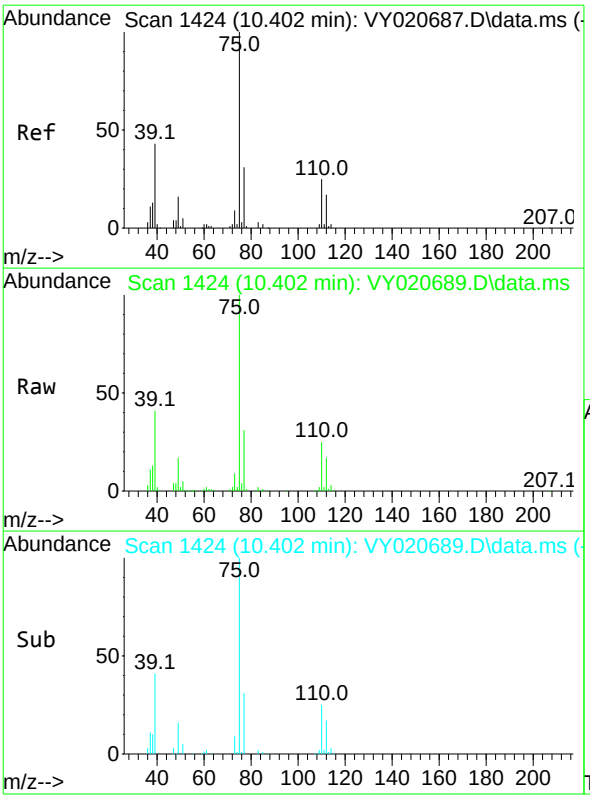


#52
Toluene
Concen: 155.908 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 92 Resp: 360597

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.4	206.0

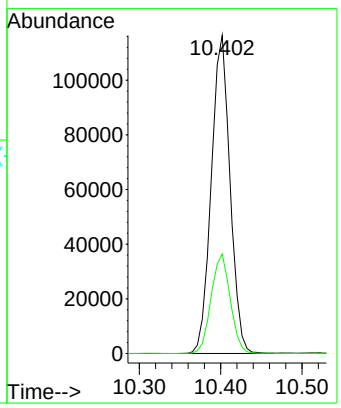




#53
t-1,3-Dichloropropene
Concen: 161.029 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 186208

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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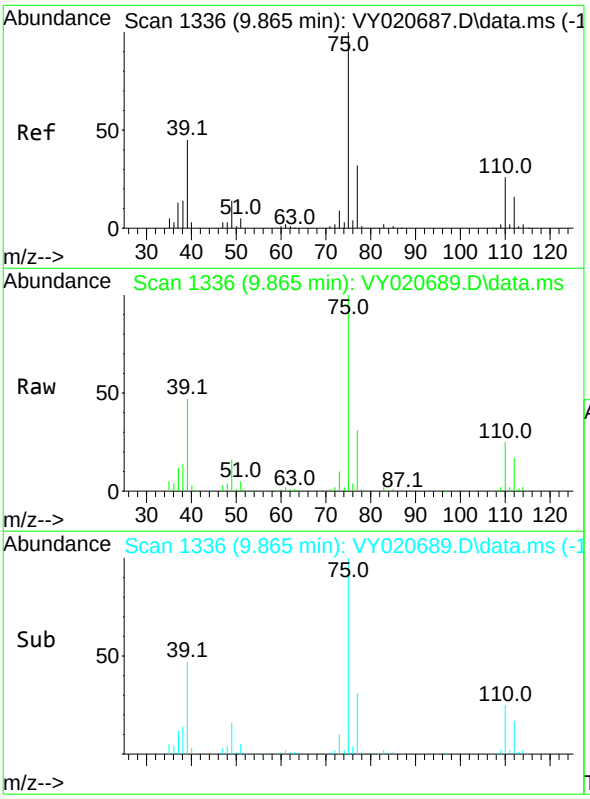
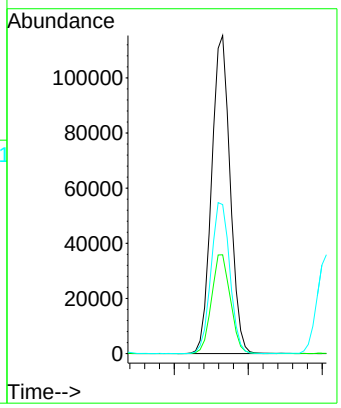
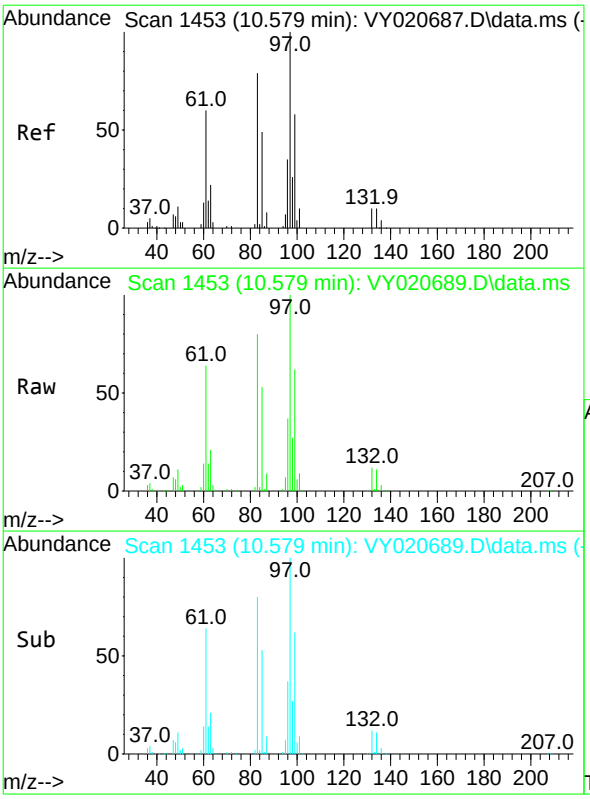


#54
cis-1,3-Dichloropropene
Concen: 157.228 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 200337

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	46.8	36.4	54.6

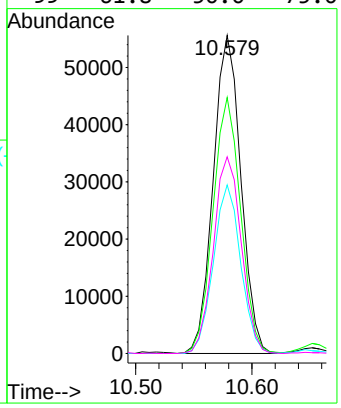




#55
1,1,2-Trichloroethane
Concen: 154.039 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 97 Resp: 91887

Ion	Ratio	Lower	Upper
97	100		
83	80.5	70.4	105.6
85	53.0	47.2	70.8
99	61.8	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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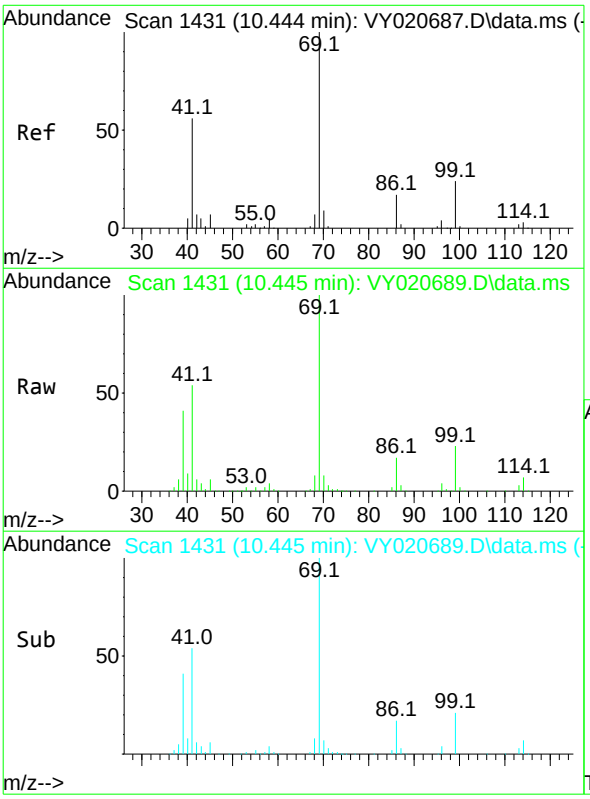
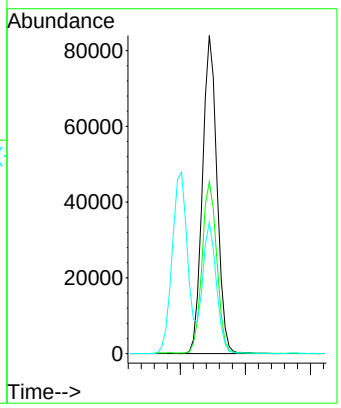
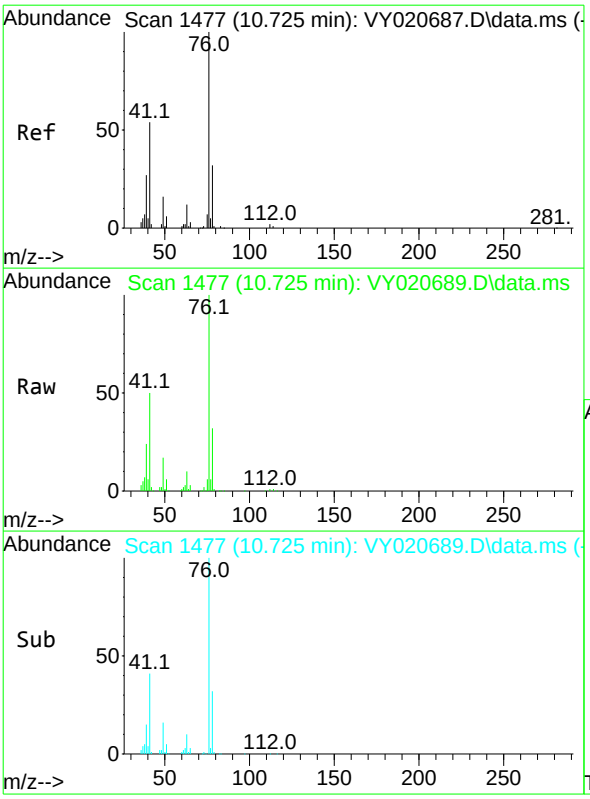


#56
Ethyl methacrylate
Concen: 171.265 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 69 Resp: 130318

Ion	Ratio	Lower	Upper
69	100		
41	54.7	54.0	81.0
39	38.0	27.9	41.9

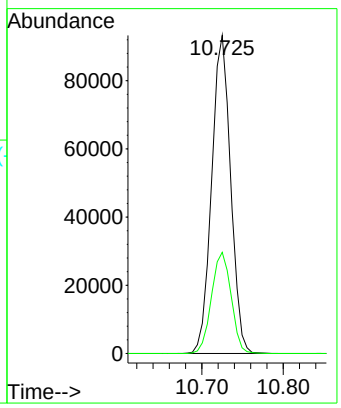




#57
1,3-Dichloropropane
Concen: 154.887 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 76 Resp: 151026

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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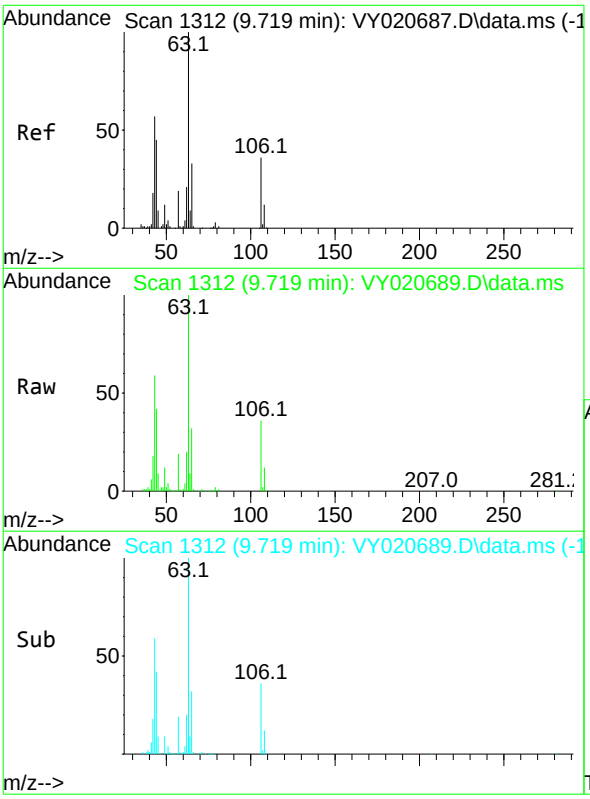
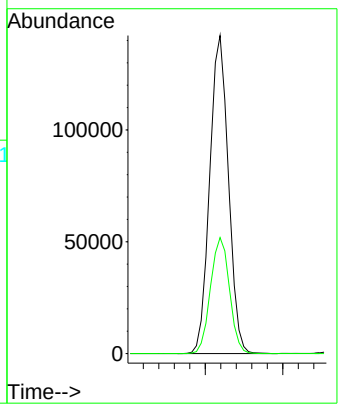
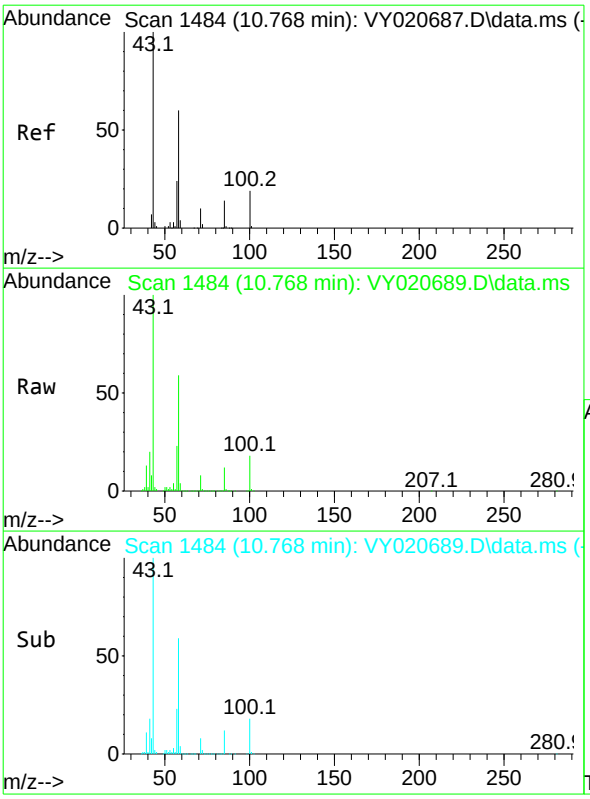


#58
2-Chloroethyl Vinyl ether
Concen: 838.195 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 63 Resp: 238338

Ion	Ratio	Lower	Upper
63	100		
106	36.9	21.5	32.3#





#59
2-Hexanone
Concen: 847.520 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 215657

Ion	Ratio	Lower	Upper
43	100		
58	59.0	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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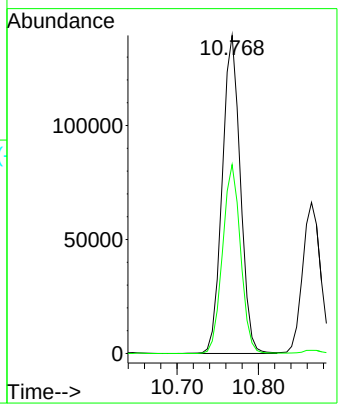
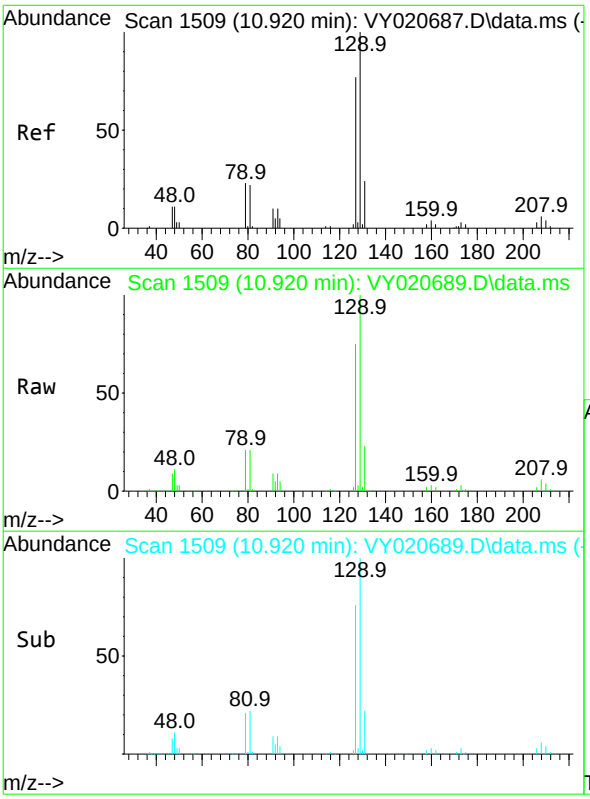
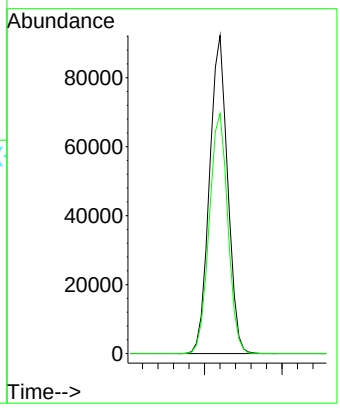


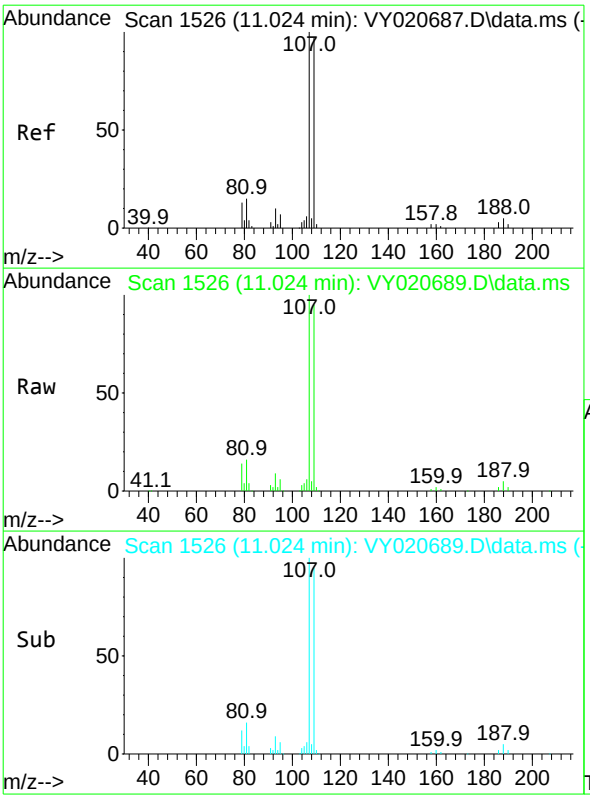


#60
Dibromochloromethane
Concen: 157.377 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:129 Resp: 149883

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3

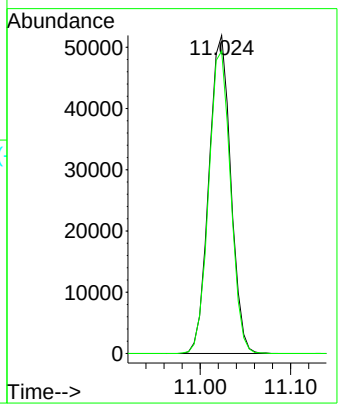




#61
1,2-Dibromoethane
Concen: 156.108 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:107 Resp: 87299

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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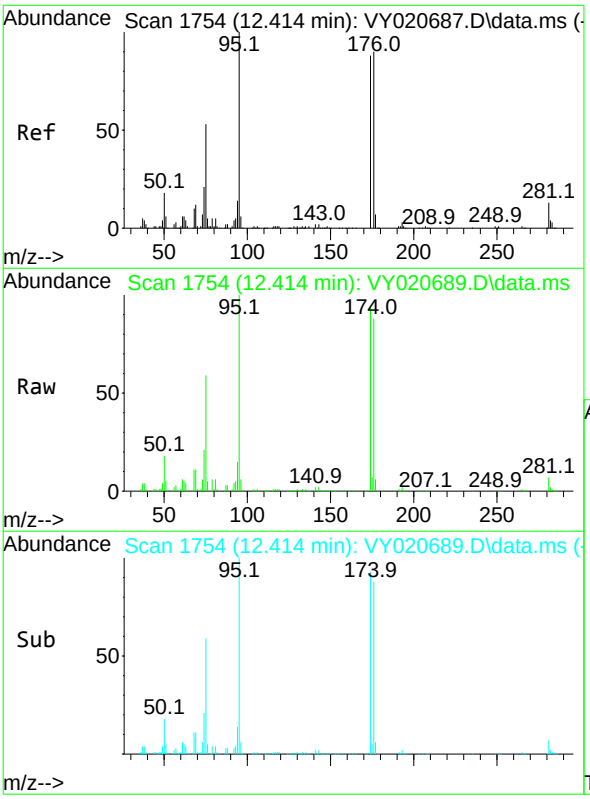
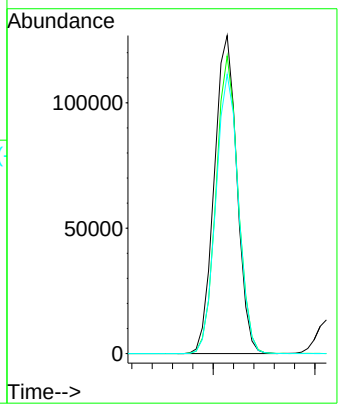
Supervised By :Mahesh Dadoda 12/26/2024

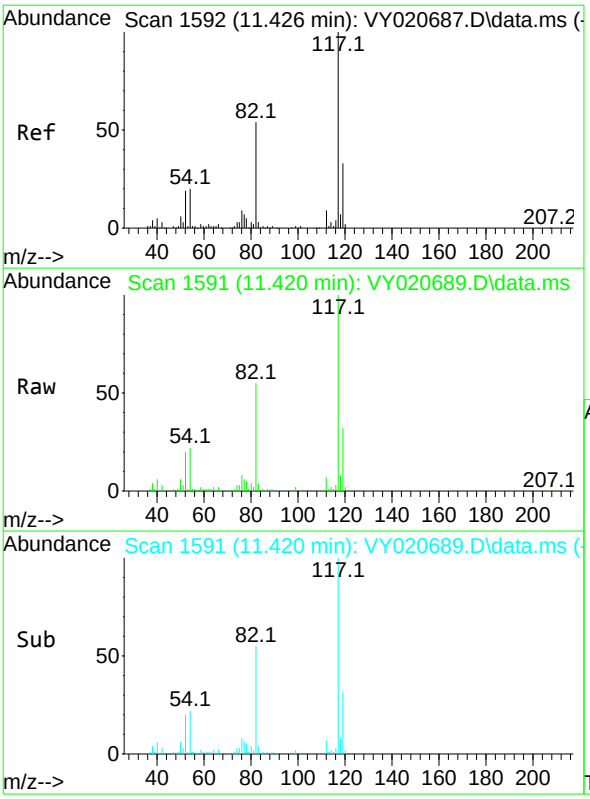


#62
4-Bromofluorobenzene
Concen: 153.160 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 95 Resp: 196112

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	161.8
176	87.5	0.0	156.6

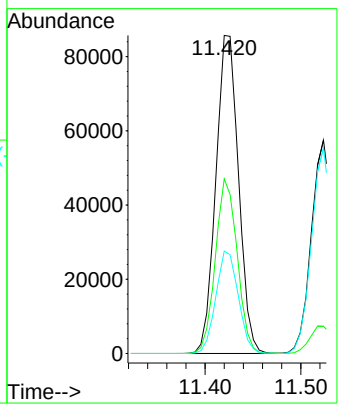




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:117 Resp: 141375

Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.8	68.6
119	32.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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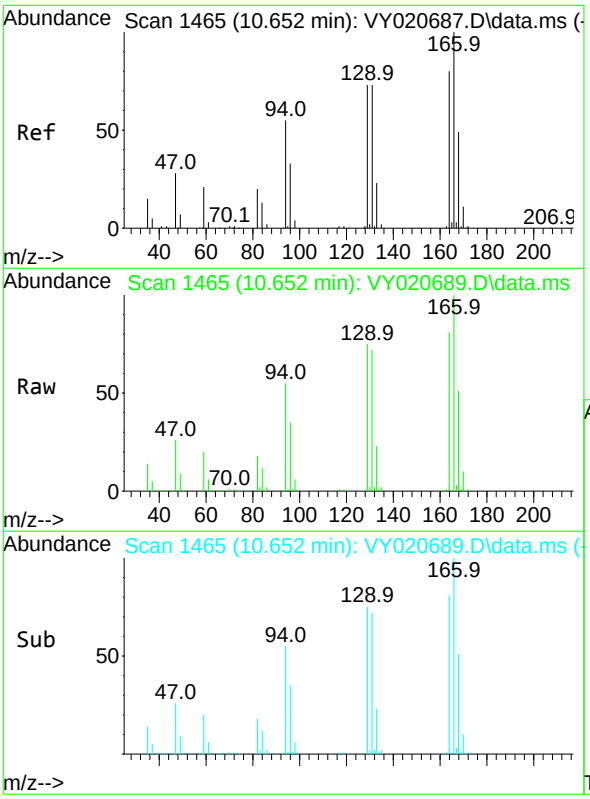
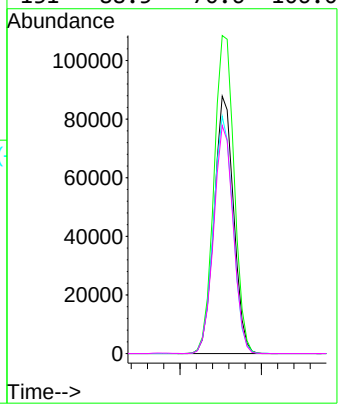
Supervised By :Mahesh Dadoda 12/26/2024

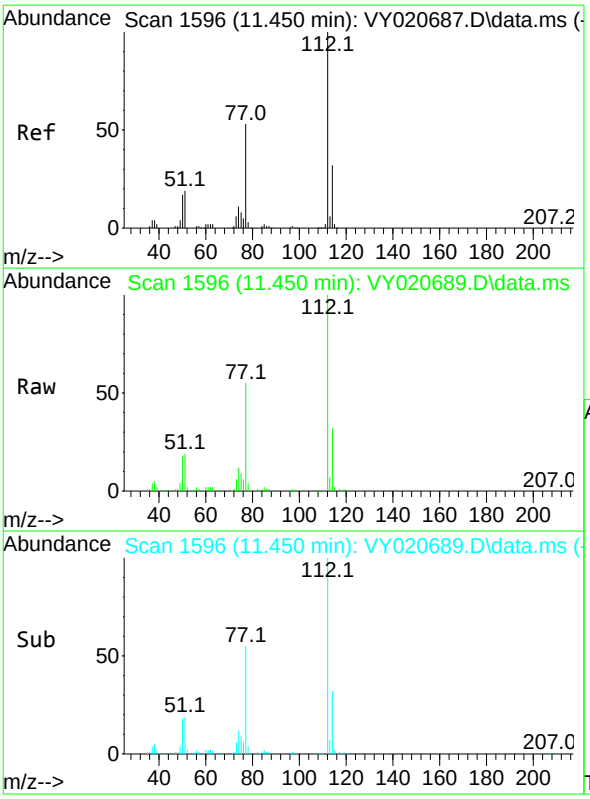


#64
Tetrachloroethene
Concen: 156.096 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:164 Resp: 146561

Ion	Ratio	Lower	Upper
164	100		
166	123.5	97.9	146.9
129	92.1	73.4	110.0
131	88.5	70.6	106.0

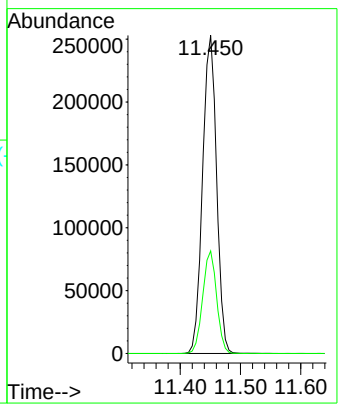




#65
Chlorobenzene
Concen: 154.283 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:112 Resp: 407595

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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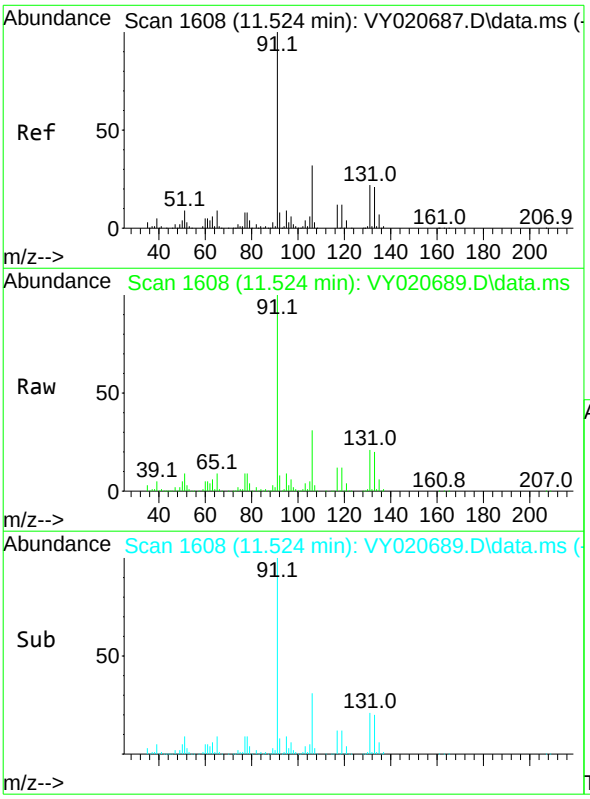
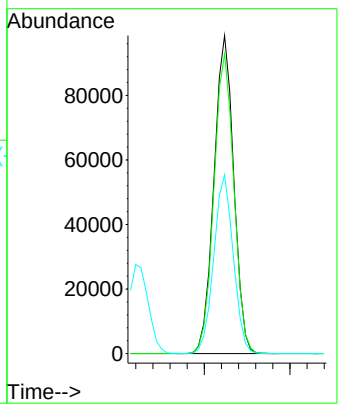
Supervised By :Mahesh Dadoda 12/26/2024

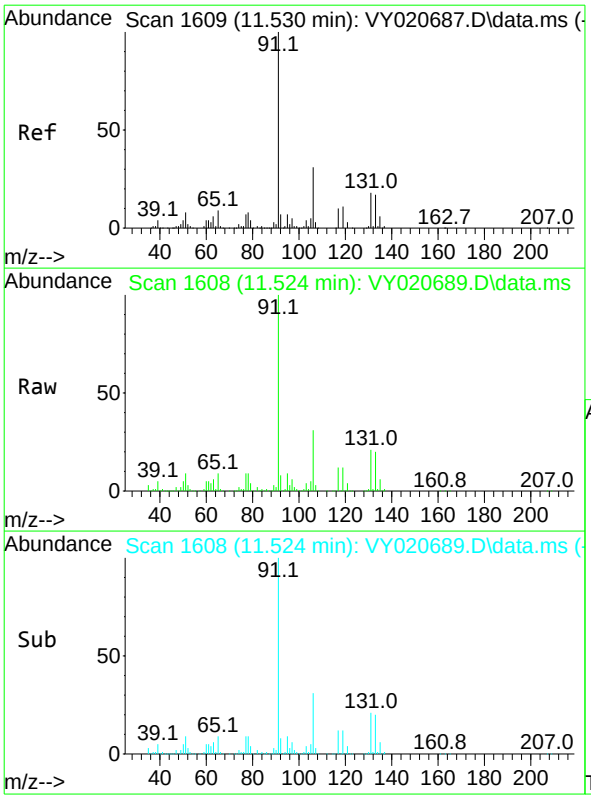


#66
1,1,1,2-Tetrachloroethane
Concen: 153.146 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:131 Resp: 157994

Ion	Ratio	Lower	Upper
131	100		
133	95.0	46.8	140.3
119	55.4	31.8	95.3

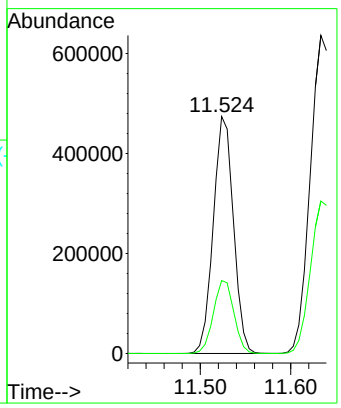




#67
Ethyl Benzene
Concen: 154.917 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 734276

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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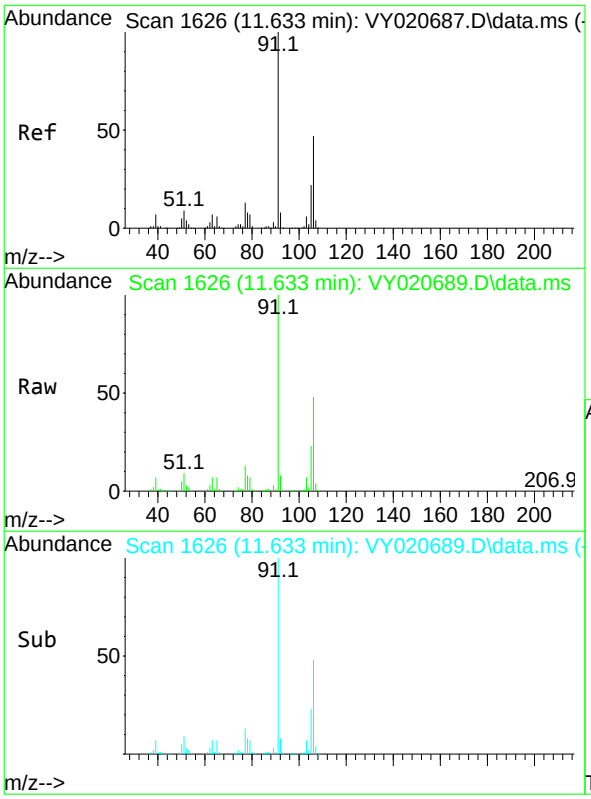
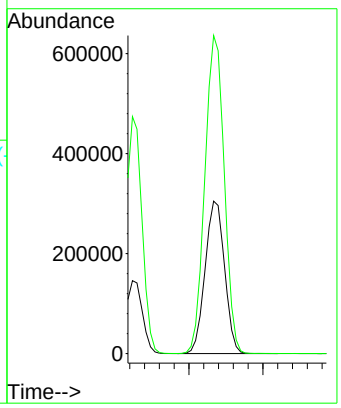
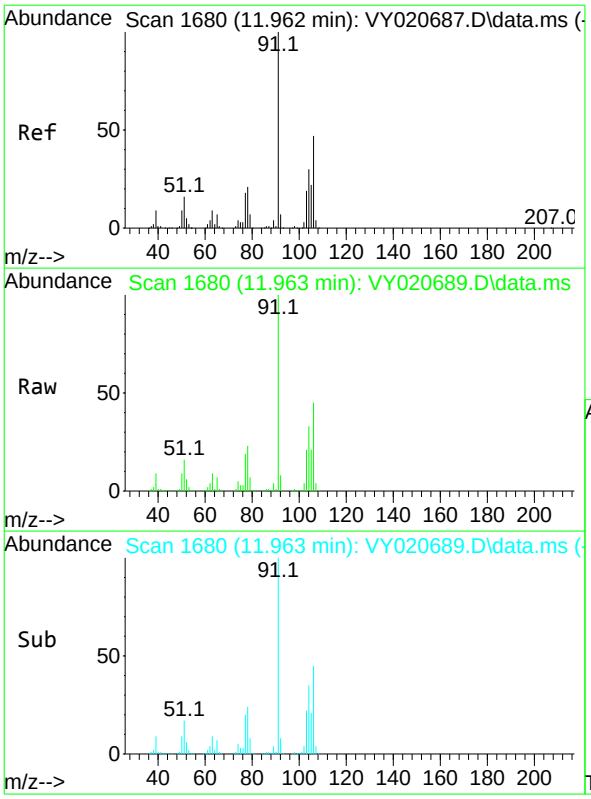


#68
m/p-Xylenes
Concen: 308.089 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:106 Resp: 556852

Ion	Ratio	Lower	Upper
106	100		
91	207.6	165.0	247.4

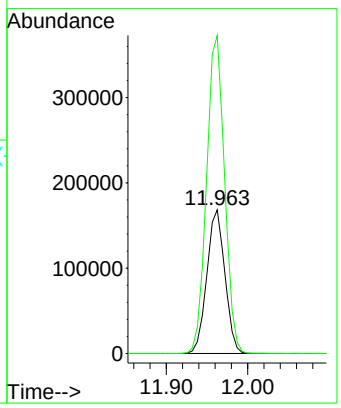




#69
o-Xylene
Concen: 152.546 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:106 Resp: 258997

Ion	Ratio	Lower	Upper
106	100		
91	221.3	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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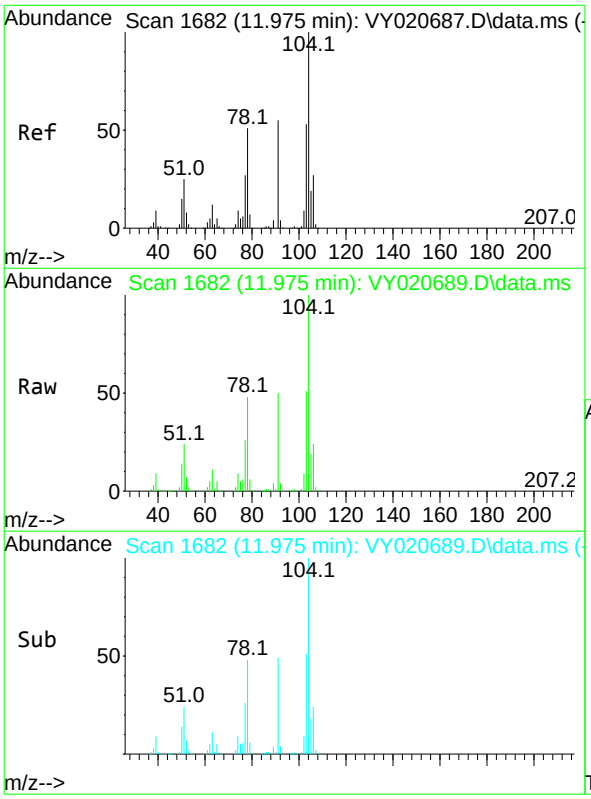
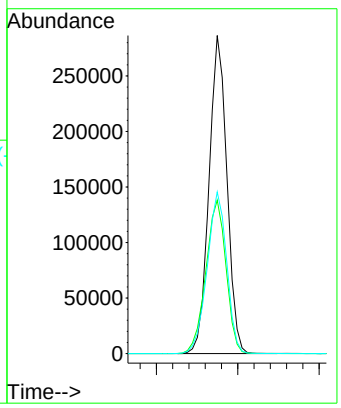
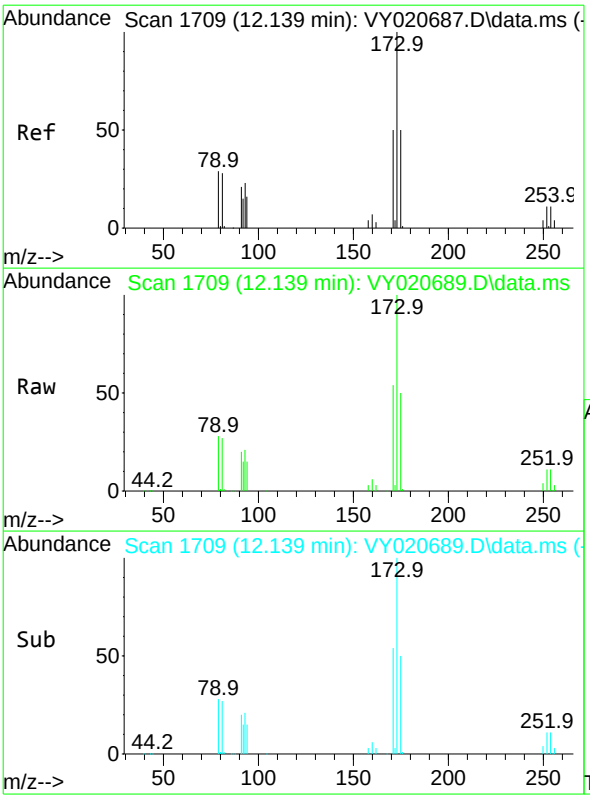


#70
Styrene
Concen: 153.403 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:104 Resp: 438074

Ion	Ratio	Lower	Upper
104	100		
78	54.3	41.6	62.4
103	55.5	43.7	65.5

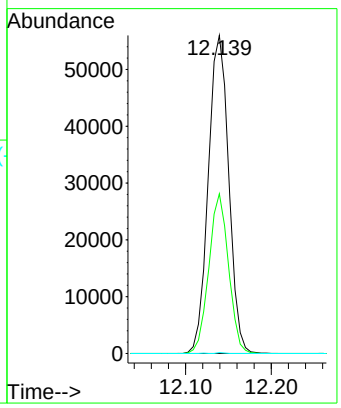




#71
Bromoform
Concen: 157.066 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:173 Resp: 92813

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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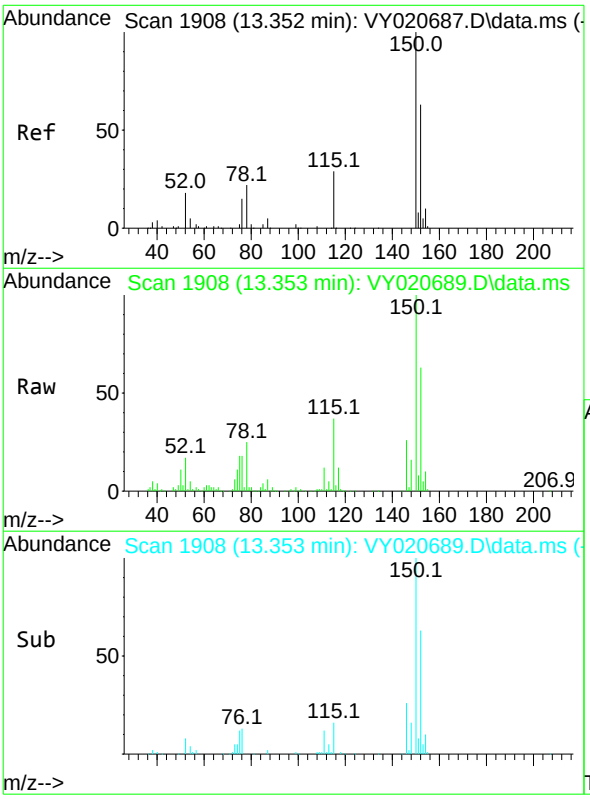
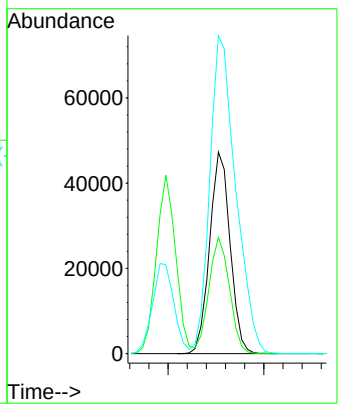
Supervised By :Mahesh Dadoda 12/26/2024

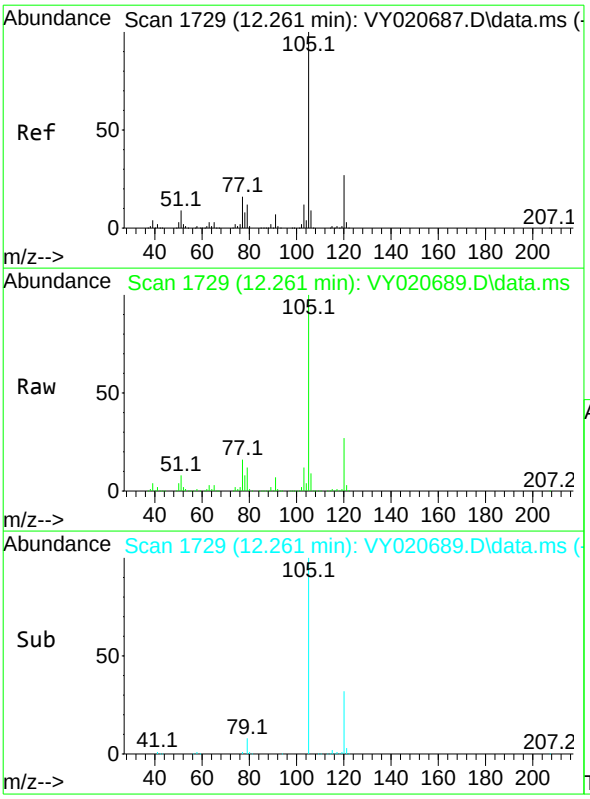


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:152 Resp: 70138

Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.2	90.6
150	200.1	0.0	355.4

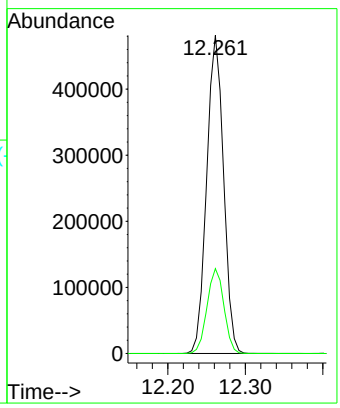




#73
Isopropylbenzene
Concen: 152.310 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 726636

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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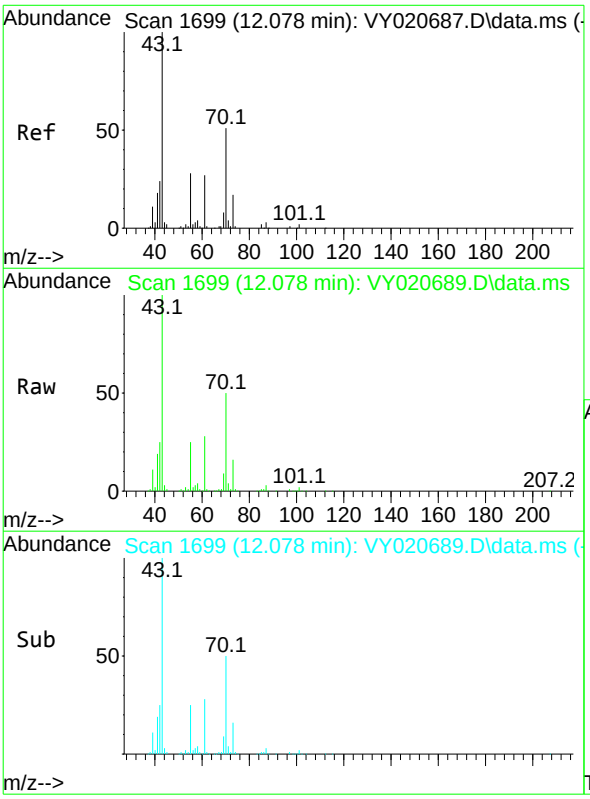
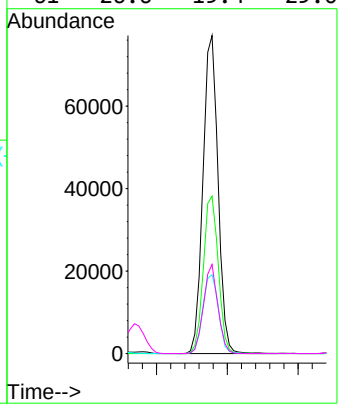
Supervised By :Mahesh Dadoda 12/26/2024

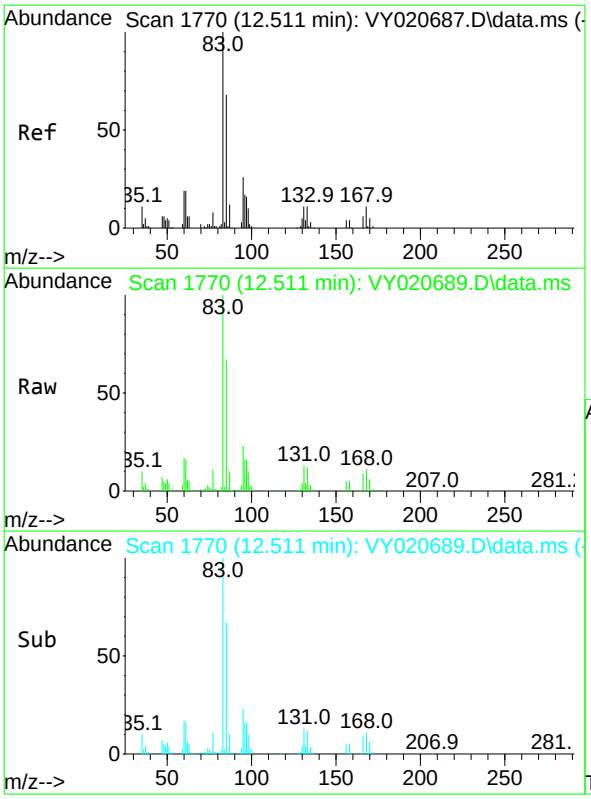


#74
N-amyl acetate
Concen: 170.064 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 114005

Ion	Ratio	Lower	Upper
43	100		
70	49.1	34.2	51.2
55	25.7	19.6	29.4
61	26.6	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 152.547 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 83 Resp: 93652

Ion	Ratio	Lower	Upper
83	100		
131	14.2	5.2	15.6
85	65.2	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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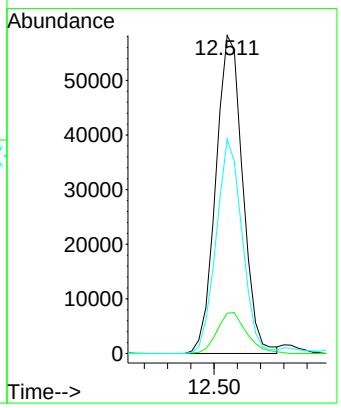
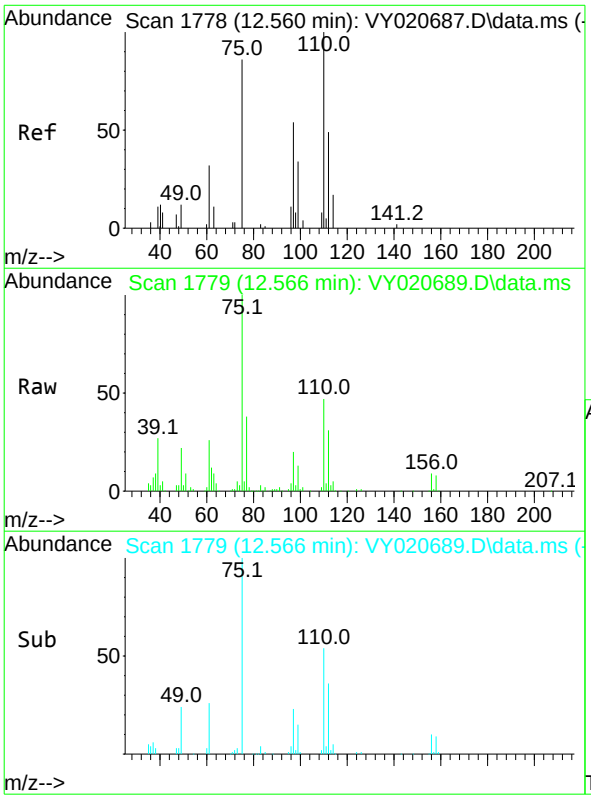
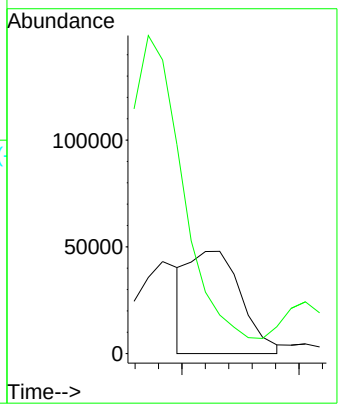


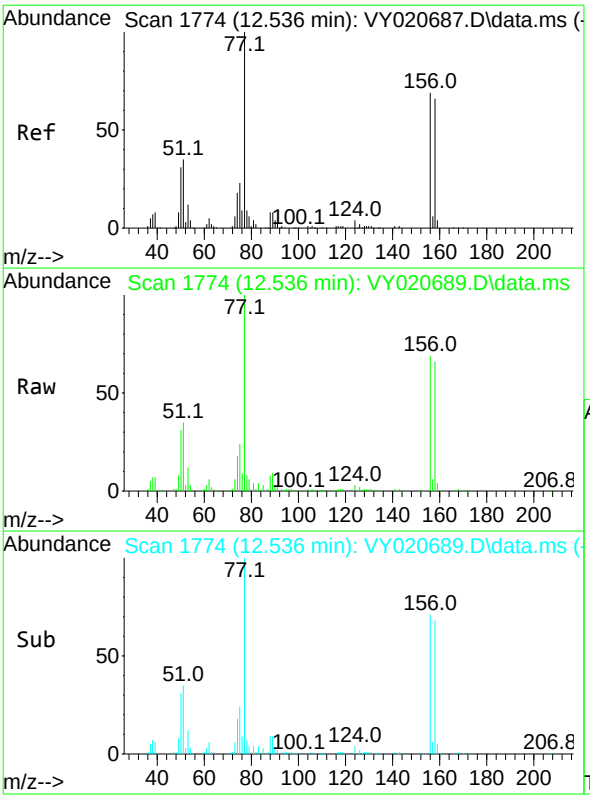


#76
1,2,3-Trichloropropane
Concen: 163.518 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 75170

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 155.256 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:156 Resp: 168664

Ion	Ratio	Lower	Upper
156	100		
77	155.2	94.2	282.4
158	96.8	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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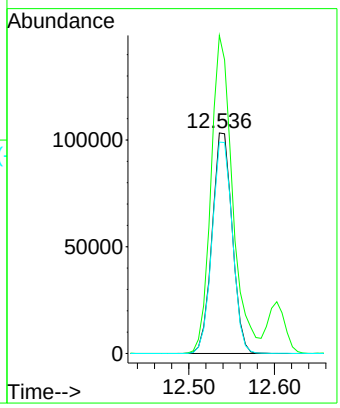
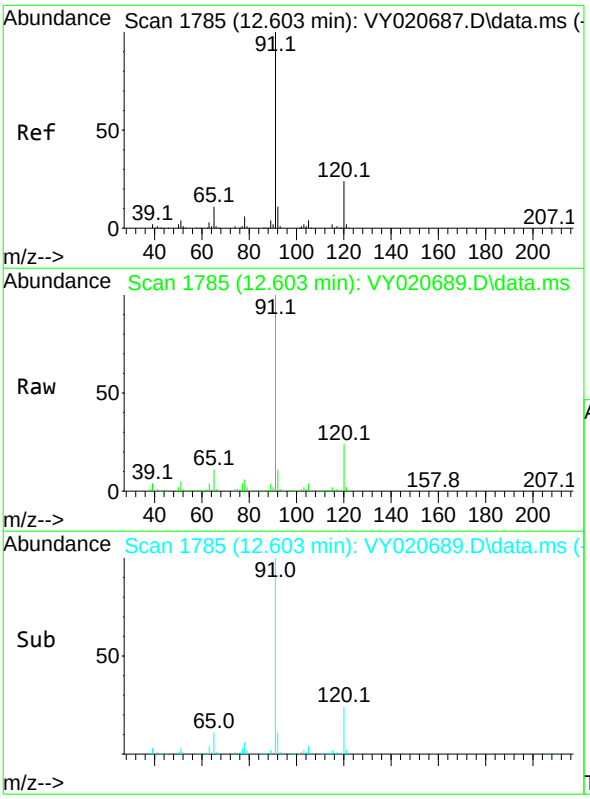
Supervised By :Mahesh Dadoda 12/26/2024

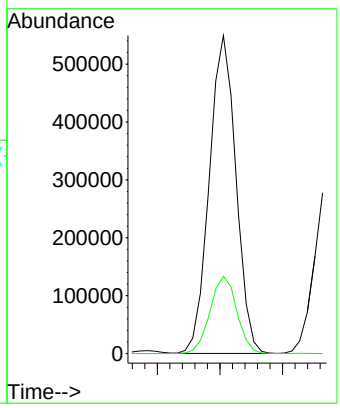


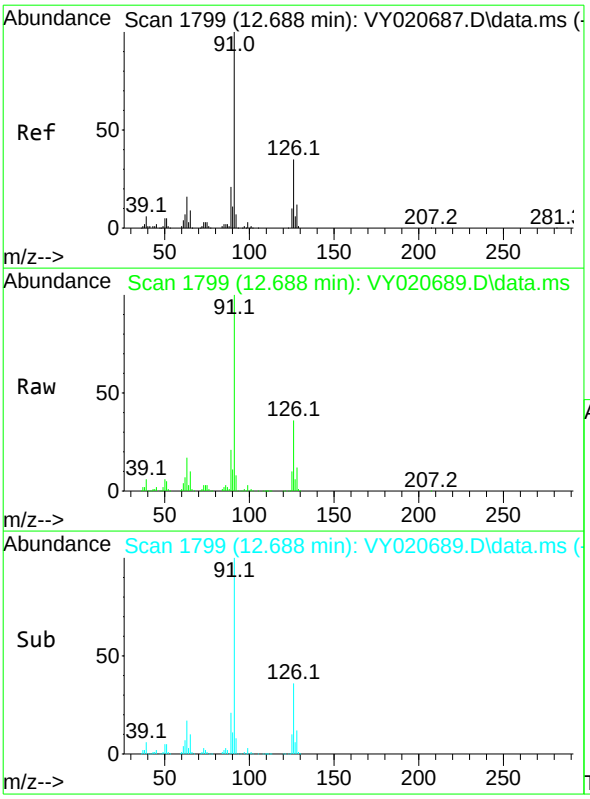


#78
n-propylbenzene
Concen: 150.960 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 811953

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.1	33.1

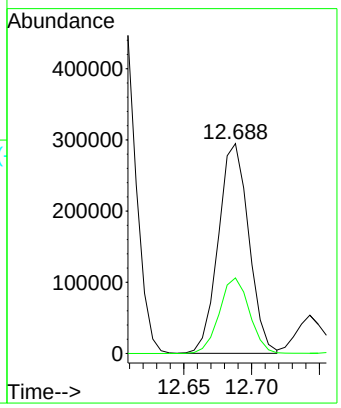




#79
2-Chlorotoluene
Concen: 150.361 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 460395

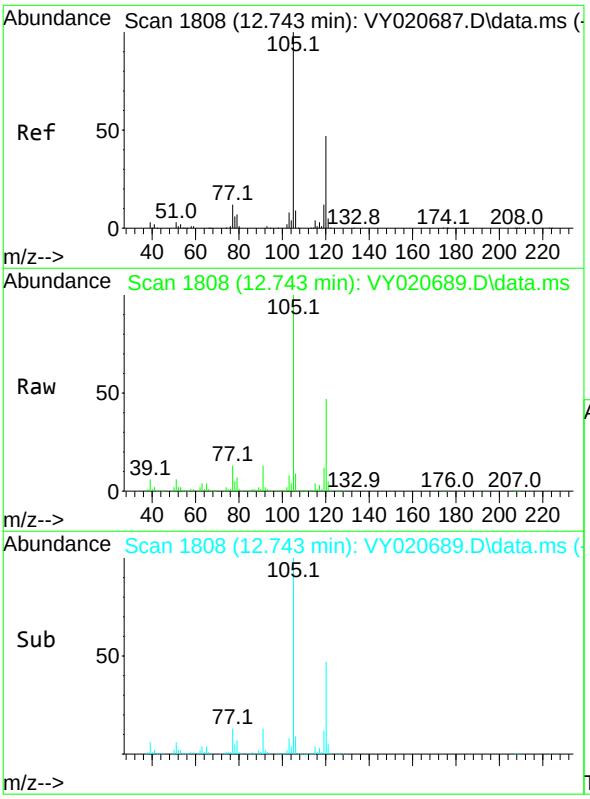
Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

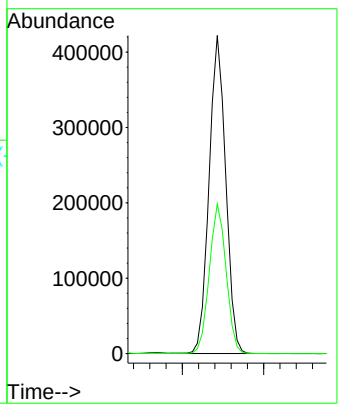
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

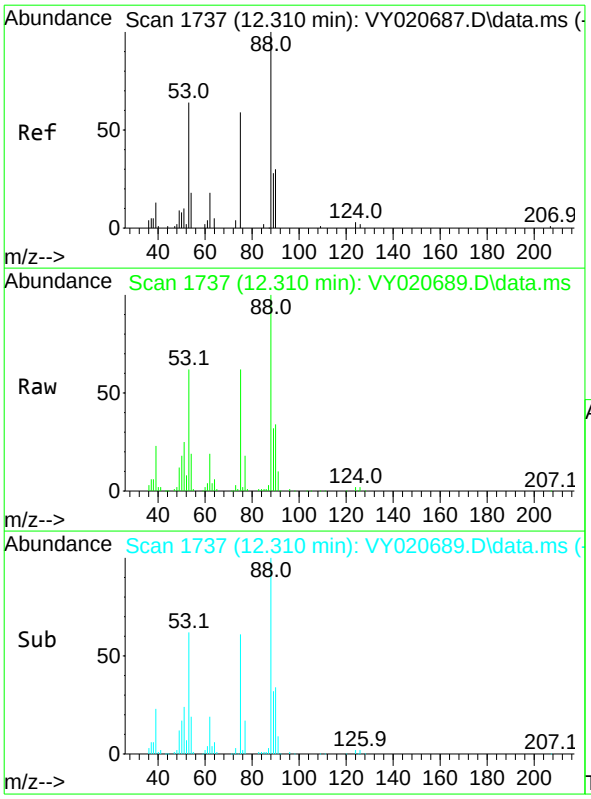


#80
1,3,5-Trimethylbenzene
Concen: 151.278 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 598606

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7

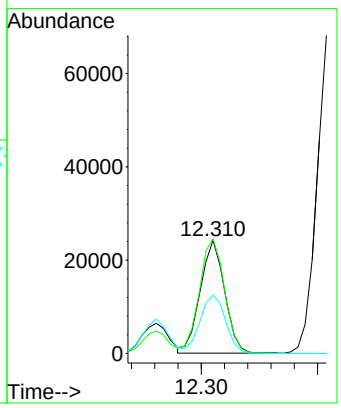




#81
trans-1,4-Dichloro-2-butene
Concen: 157.841 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 35122

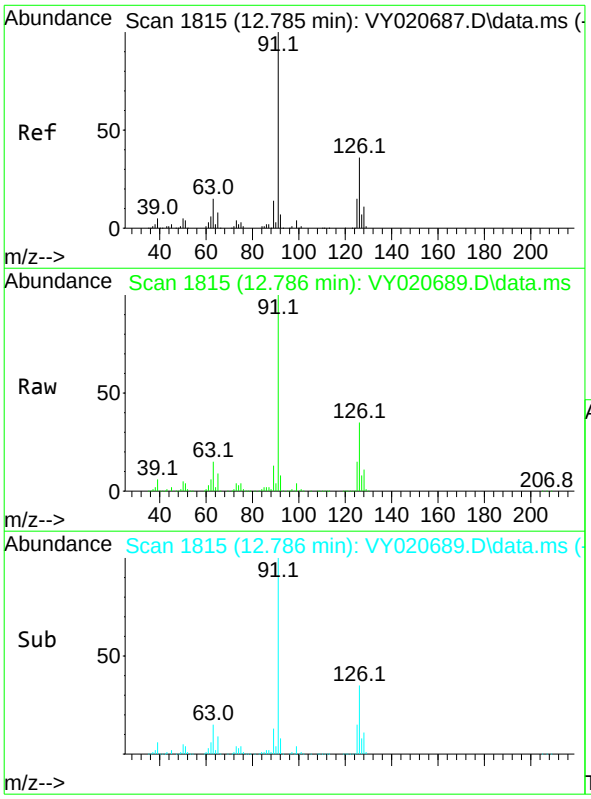
Ion	Ratio	Lower	Upper
75	100		
53	105.2	75.4	113.2
89	53.9	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

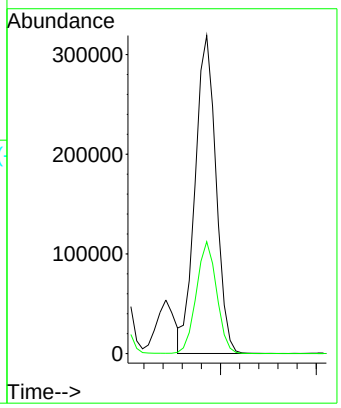
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

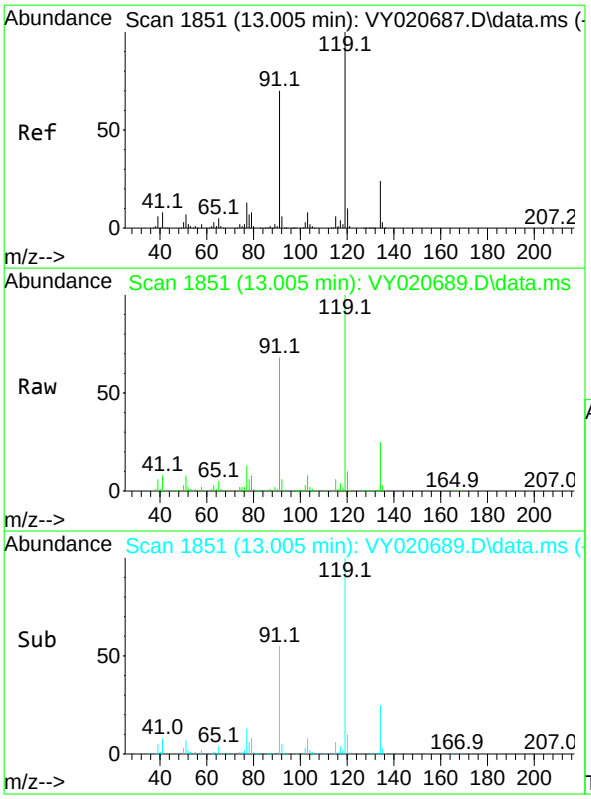


#82
4-Chlorotoluene
Concen: 154.276 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 481776

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.6	49.7

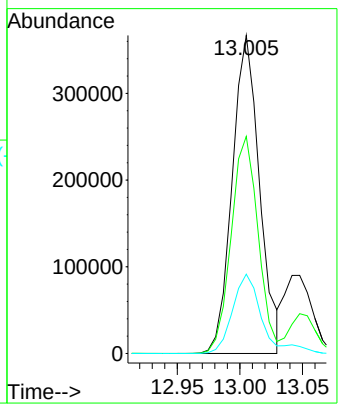




#83
tert-Butylbenzene
Concen: 151.269 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:119 Resp: 556945

Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.9	98.6
134	26.9	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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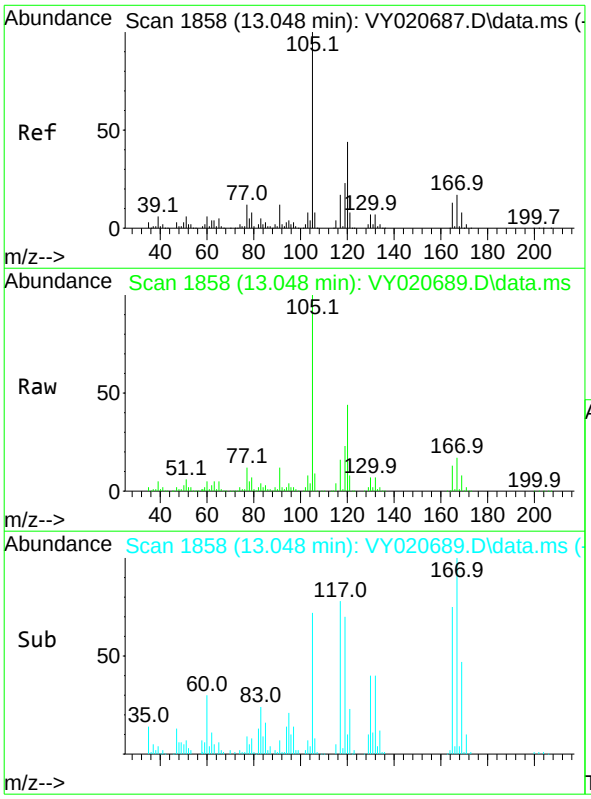
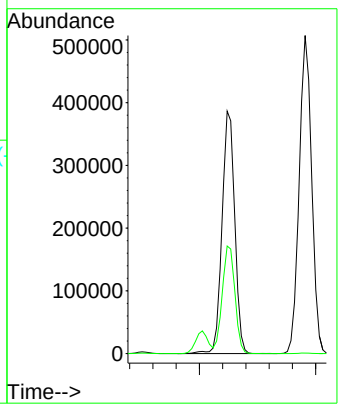
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

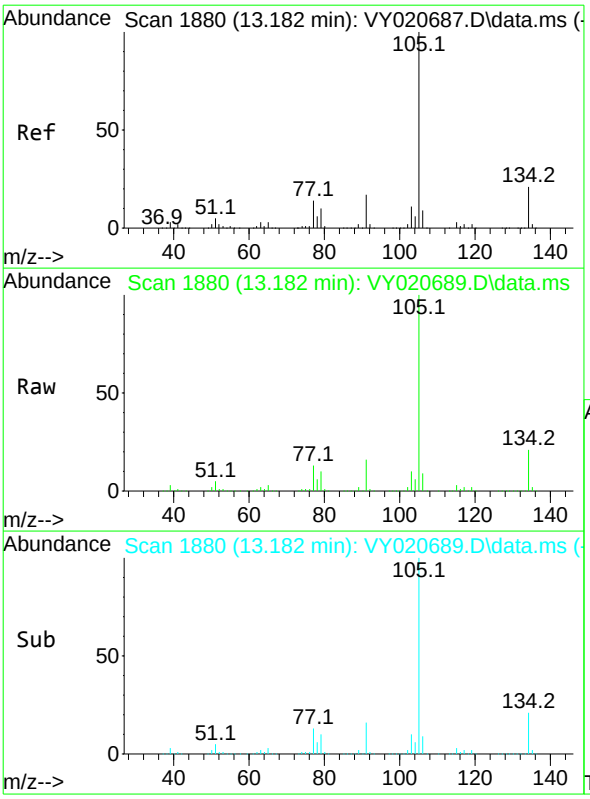


#84
1,2,4-Trimethylbenzene
Concen: 151.646 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 586180

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4

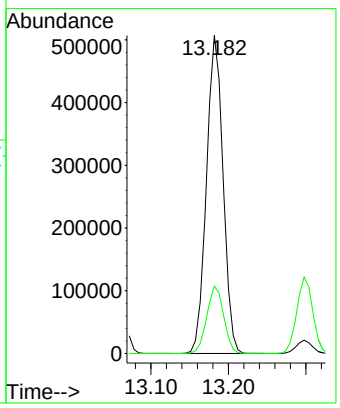




#85
sec-Butylbenzene
Concen: 152.117 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 754129

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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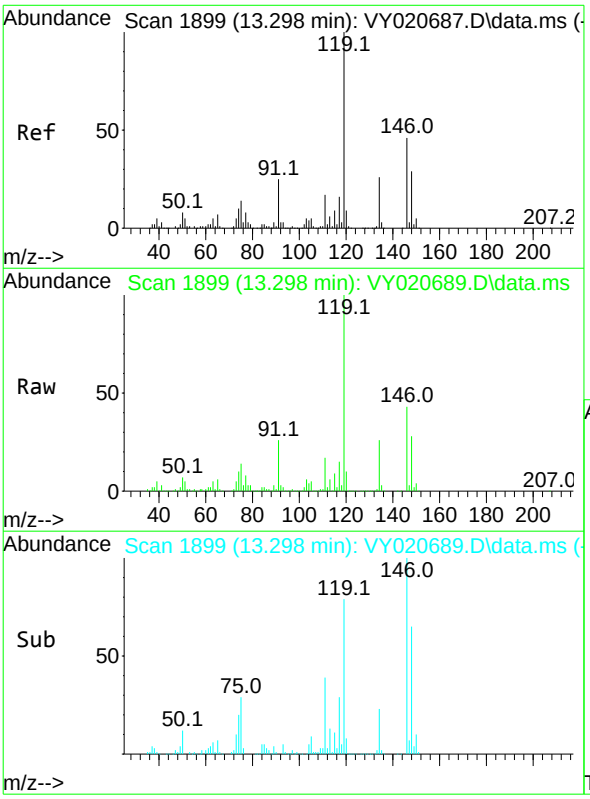
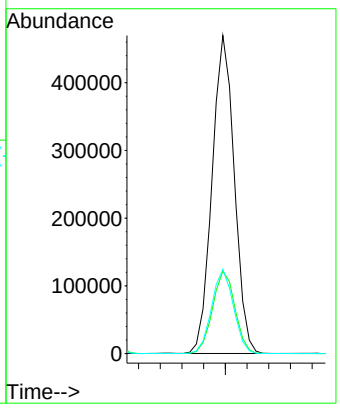
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

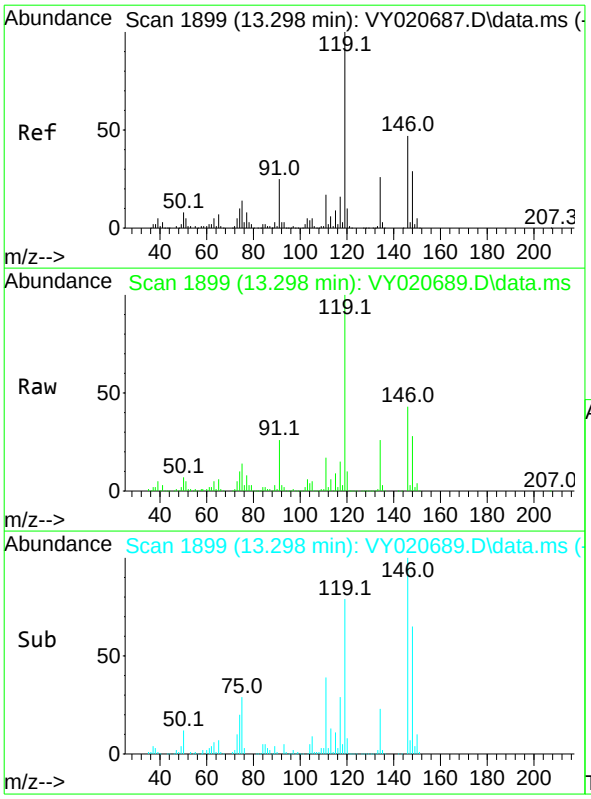


#86
p-Isopropyltoluene
Concen: 154.295 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:119 Resp: 668742

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.0	12.1	36.3

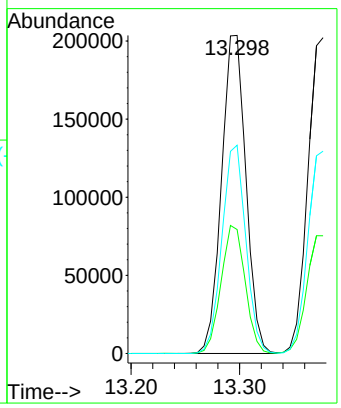




#87
1,3-Dichlorobenzene
Concen: 150.573 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:146 Resp: 317774

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.6	61.8
148	64.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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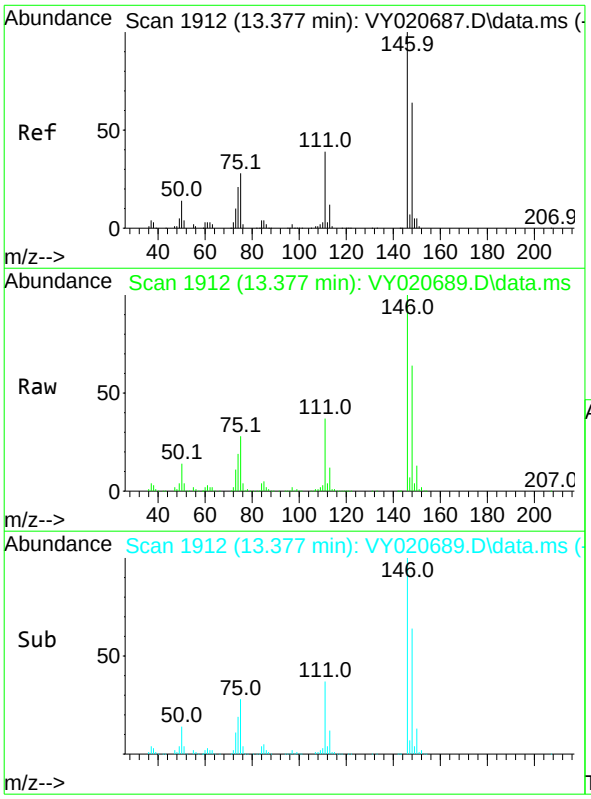
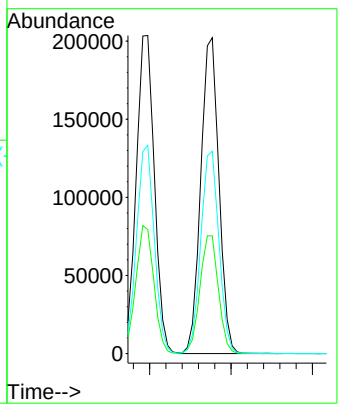
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

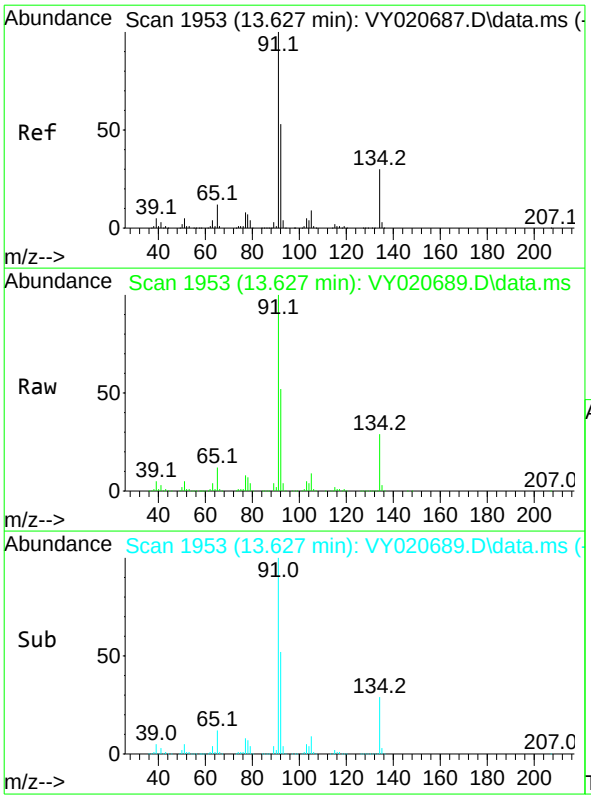


#88
1,4-Dichlorobenzene
Concen: 151.502 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:146 Resp: 313256

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.6	58.7
148	64.3	31.9	95.5

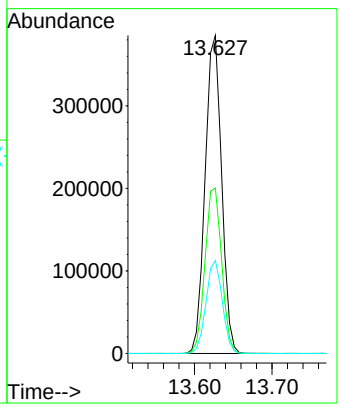




#89
n-Butylbenzene
Concen: 155.866 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 569116

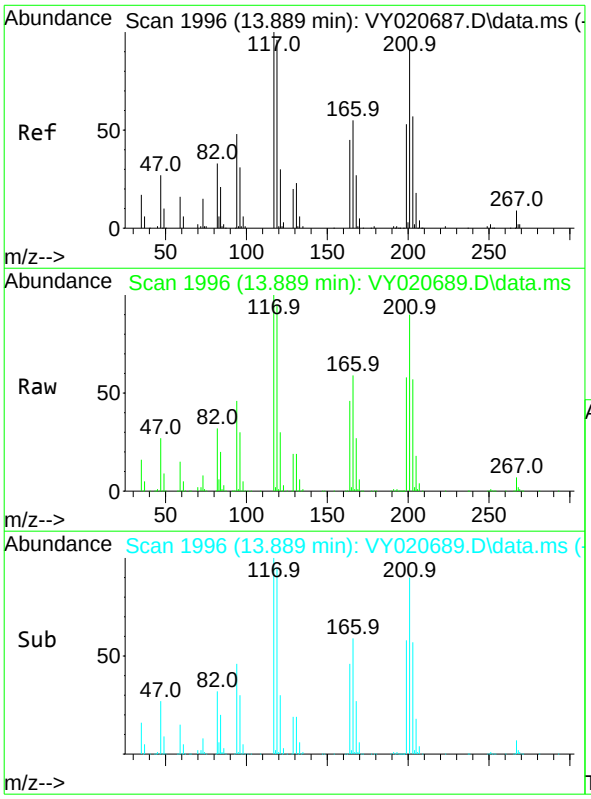
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	29.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

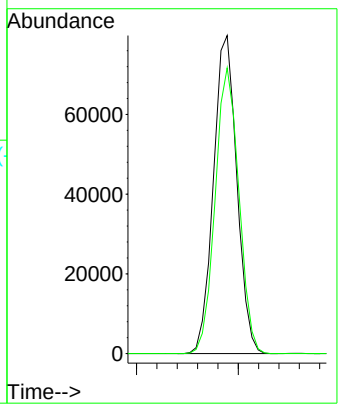
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

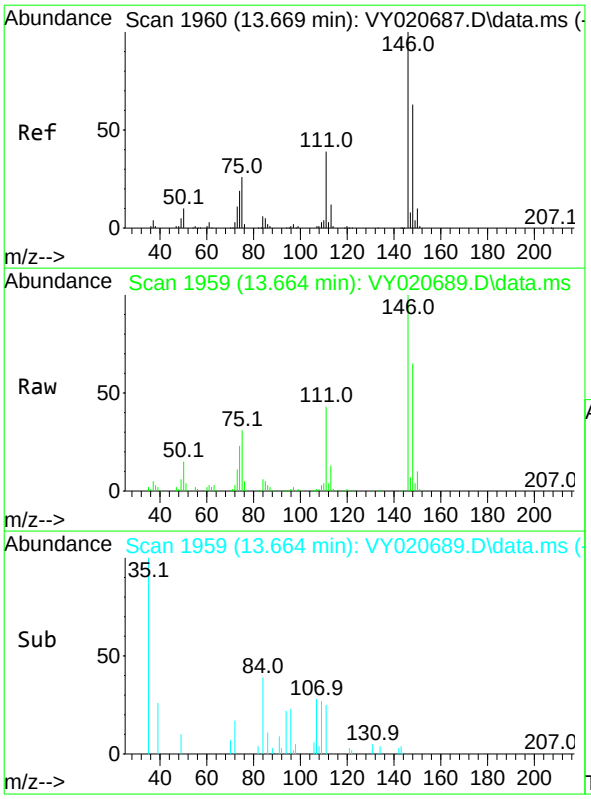


#90
Hexachloroethane
Concen: 155.000 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:117 Resp: 127446

Ion	Ratio	Lower	Upper
117	100		
201	90.8	39.1	117.3

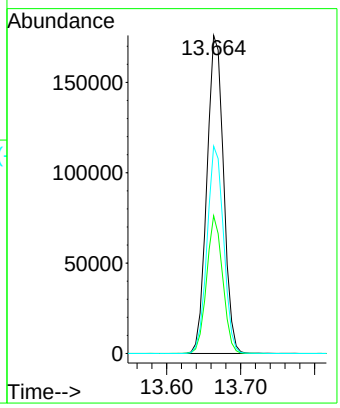




#91
1,2-Dichlorobenzene
Concen: 151.951 ug/l
RT: 13.664 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:146 Resp: 275211

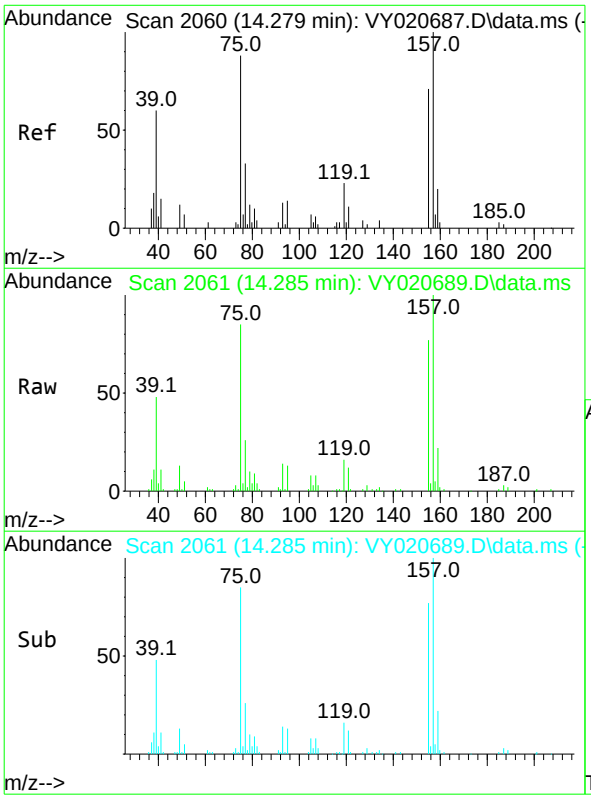
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

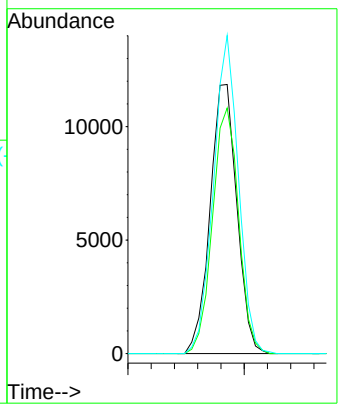
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

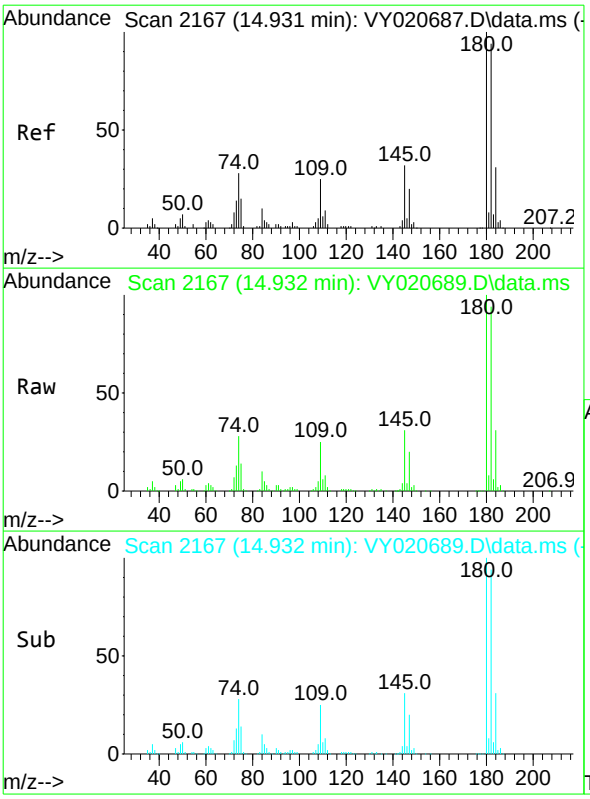


#92
1,2-Dibromo-3-Chloropropane
Concen: 162.178 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 18972

Ion	Ratio	Lower	Upper
75	100		
155	88.7	41.1	123.3
157	110.2	52.9	158.8

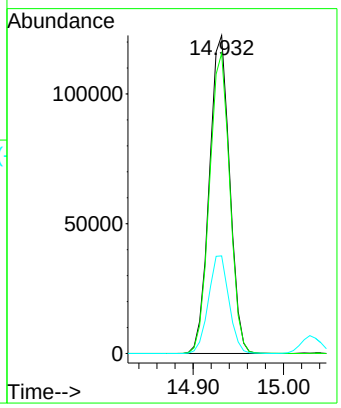




#93
1,2,4-Trichlorobenzene
Concen: 177.625 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:180 Resp: 190996

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.6
145	31.0	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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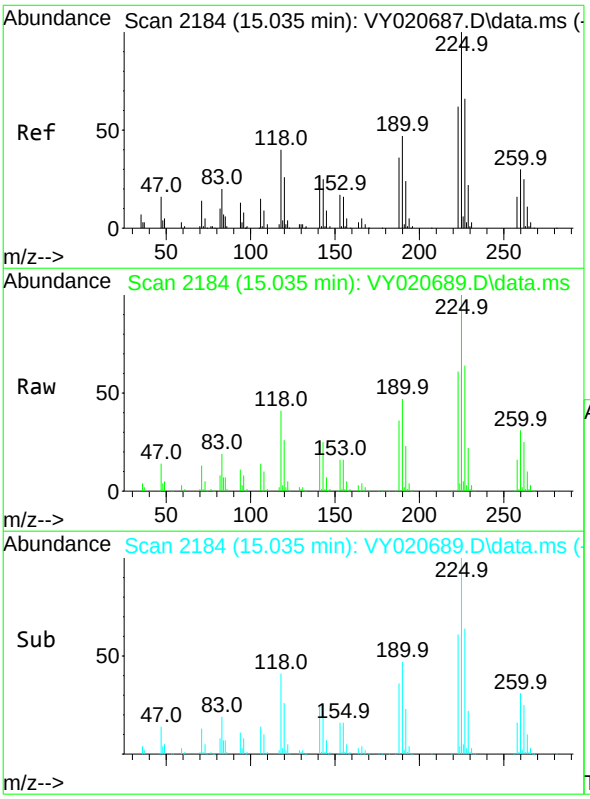
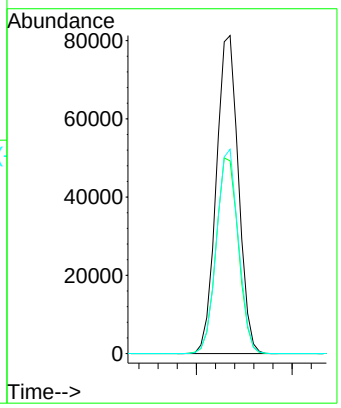
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024

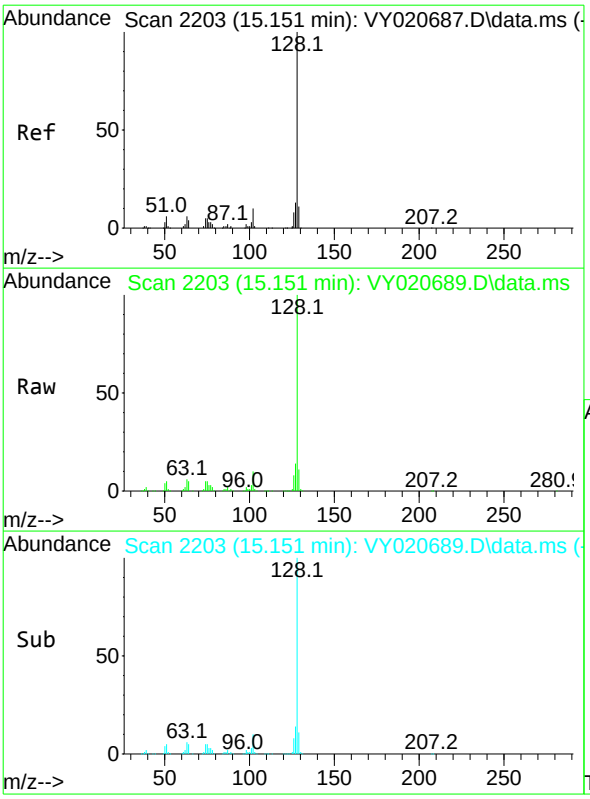


#94
Hexachlorobutadiene
Concen: 162.543 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:225 Resp: 130134

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	63.6	32.2	96.6

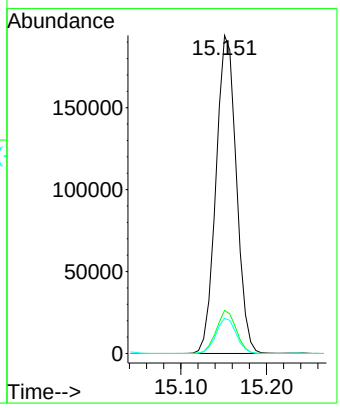




#95
Naphthalene
Concen: 153.526 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:128 Resp: 321245

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.0	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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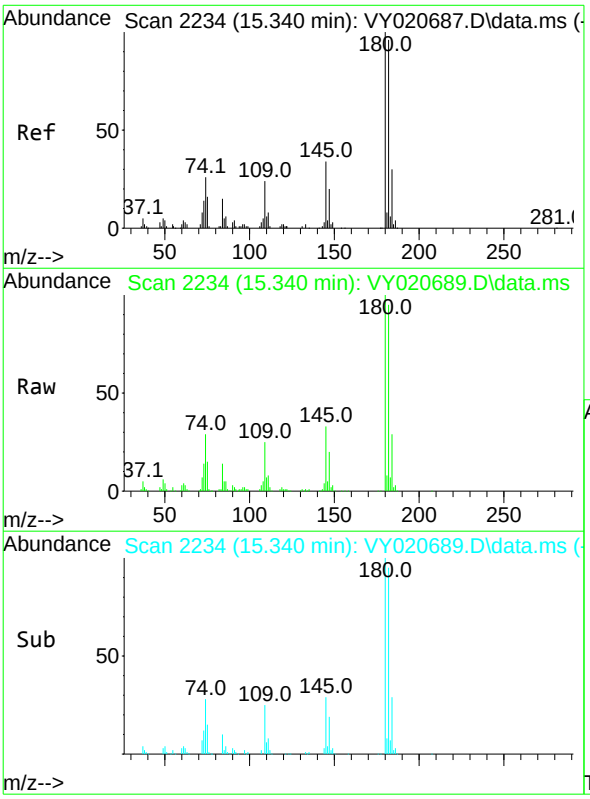
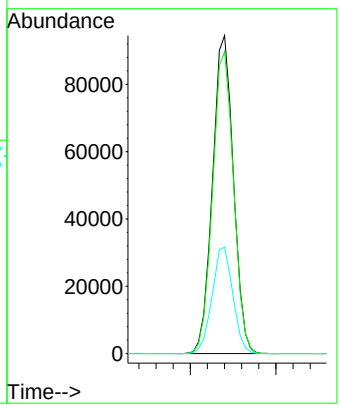
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 177.777 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:180 Resp: 159815

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	33.3	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	119608	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	167175	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	141658	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	71166	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	50153	47.345	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.700%				
35) Dibromofluoromethane	7.646	113	45548	46.401	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.800%				
50) Toluene-d8	10.115	98	177791	49.867	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.740%				
62) 4-Bromofluorobenzene	12.414	95	59136	45.571	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	46701	50.681	ug/l		100
3) Chloromethane	2.074	50	19289	51.382	ug/l		96
4) Vinyl Chloride	2.214	62	24179	52.828	ug/l		95
5) Bromomethane	2.610	94	18251	56.471	ug/l		97
6) Chloroethane	2.751	64	14813	53.251	ug/l		99
7) Trichlorofluoromethane	3.080	101	84454	51.310	ug/l		99
8) Diethyl Ether	3.470	74	20559	52.184	ug/l		75
9) 1,1,2-Trichlorotrifluo...	3.830	101	44620	49.644	ug/l		91
10) Methyl Iodide	4.025	142	55082	53.200	ug/l		89
11) Tert butyl alcohol	4.891	59	14113	182.349	ug/l		98
12) 1,1-Dichloroethene	3.805	96	41447	51.959	ug/l		90
13) Acrolein	3.671	56	3620	198.420	ug/l		96
14) Allyl chloride	4.403	41	49792	53.230	ug/l	#	76
15) Acrylonitrile	5.080	53	37172	255.978	ug/l		97
16) Acetone	3.885	43	27917	230.728	ug/l		95
17) Carbon Disulfide	4.122	76	108056	54.332	ug/l		99
18) Methyl Acetate	4.403	43	16309	52.099	ug/l	#	84
19) Methyl tert-butyl Ether	5.134	73	113195	52.169	ug/l	#	90
20) Methylene Chloride	4.641	84	41675	51.688	ug/l		87
21) trans-1,2-Dichloroethene	5.134	96	45012	52.333	ug/l		86
22) Diisopropyl ether	6.037	45	100906	52.766	ug/l	#	87
23) Vinyl Acetate	5.982	43	301455	266.212	ug/l	#	89
24) 1,1-Dichloroethane	5.933	63	74382	52.176	ug/l		96
25) 2-Butanone	6.915	43	40567	238.673	ug/l	#	81
26) 2,2-Dichloropropane	6.902	77	87787	49.220	ug/l		99
27) cis-1,2-Dichloroethene	6.908	96	53548	52.271	ug/l		91
28) Bromochloromethane	7.262	49	22519	52.907	ug/l	#	52
29) Tetrahydrofuran	7.274	42	24969	249.938	ug/l	#	72
30) Chloroform	7.433	83	93391	49.838	ug/l		93
31) Cyclohexane	7.719	56	59687	47.751	ug/l	#	79
32) 1,1,1-Trichloroethane	7.634	97	98779	50.458	ug/l		97
36) 1,1-Dichloropropene	7.853	75	61494	51.538	ug/l		95
37) Ethyl Acetate	7.000	43	20148	51.669	ug/l	#	92
38) Carbon Tetrachloride	7.835	117	98743	51.140	ug/l		97
39) Methylcyclohexane	9.121	83	78636	51.850	ug/l		87
40) Benzene	8.091	78	180937	52.566	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	10841	49.072 ug/l #	83
42) 1,2-Dichloroethane	8.170	62	55938	51.098 ug/l	100
43) Isopropyl Acetate	8.207	43	42503	52.443 ug/l #	85
44) Trichloroethene	8.878	130	51562	50.474 ug/l	87
45) 1,2-Dichloropropane	9.152	63	36023	53.265 ug/l	99
46) Dibromomethane	9.243	93	24708	52.921 ug/l	92
47) Bromodichloromethane	9.432	83	68666	51.846 ug/l #	97
48) Methyl methacrylate	9.231	41	19879	51.742 ug/l #	81
49) 1,4-Dioxane	9.250	88	4527	926.264 ug/l #	81
51) 4-Methyl-2-Pentanone	10.005	43	101109	249.741 ug/l	93
52) Toluene	10.182	92	123390	52.641 ug/l	99
53) t-1,3-Dichloropropene	10.402	75	62970	53.732 ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	68108	52.743 ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	31270	51.725 ug/l	92
56) Ethyl methacrylate	10.451	69	42125	54.626 ug/l	87
57) 1,3-Dichloropropane	10.725	76	51521	52.137 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	76787	266.463 ug/l #	81
59) 2-Hexanone	10.768	43	66464	257.733 ug/l	91
60) Dibromochloromethane	10.920	129	49937	51.738 ug/l	97
61) 1,2-Dibromoethane	11.024	107	29492	52.038 ug/l	100
64) Tetrachloroethene	10.658	164	48939	52.019 ug/l	98
65) Chlorobenzene	11.450	112	140132	52.937 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	53263	51.525 ug/l	94
67) Ethyl Benzene	11.530	91	246210	51.841 ug/l	96
68) m/p-Xylenes	11.639	106	187007	103.259 ug/l	99
69) o-Xylene	11.962	106	88867	52.237 ug/l	98
70) Styrene	11.981	104	151410	52.914 ug/l	98
71) Bromoform	12.139	173	30473	51.466 ug/l #	99
73) Isopropylbenzene	12.261	105	248637	51.364 ug/l	99
74) N-amyl acetate	12.078	43	35961	52.869 ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.517	83	31507	50.579 ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	22266m	45.368 ug/l	
77) Bromobenzene	12.542	156	57012	51.722 ug/l	86
78) n-propylbenzene	12.603	91	280237	51.350 ug/l	95
79) 2-Chlorotoluene	12.688	91	159275	51.267 ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	209445	52.166 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	11129	49.292 ug/l	90
82) 4-Chlorotoluene	12.785	91	163776	51.687 ug/l	97
83) tert-Butylbenzene	13.005	119	190947	51.113 ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	203948	52.000 ug/l	99
85) sec-Butylbenzene	13.182	105	260272	51.742 ug/l	96
86) p-Isopropyltoluene	13.298	119	230395	52.390 ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	112990	52.766 ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	109214	52.057 ug/l	99
89) n-Butylbenzene	13.627	91	195149	52.674 ug/l	97
90) Hexachloroethane	13.889	117	43638	52.306 ug/l	87
91) 1,2-Dichlorobenzene	13.669	146	95689	52.069 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5860	49.369 ug/l	93
93) 1,2,4-Trichlorobenzene	14.931	180	60565	55.512 ug/l	99
94) Hexachlorobutadiene	15.035	225	43075	53.025 ug/l	99
95) Naphthalene	15.157	128	97309	48.290 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	49317	54.067 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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

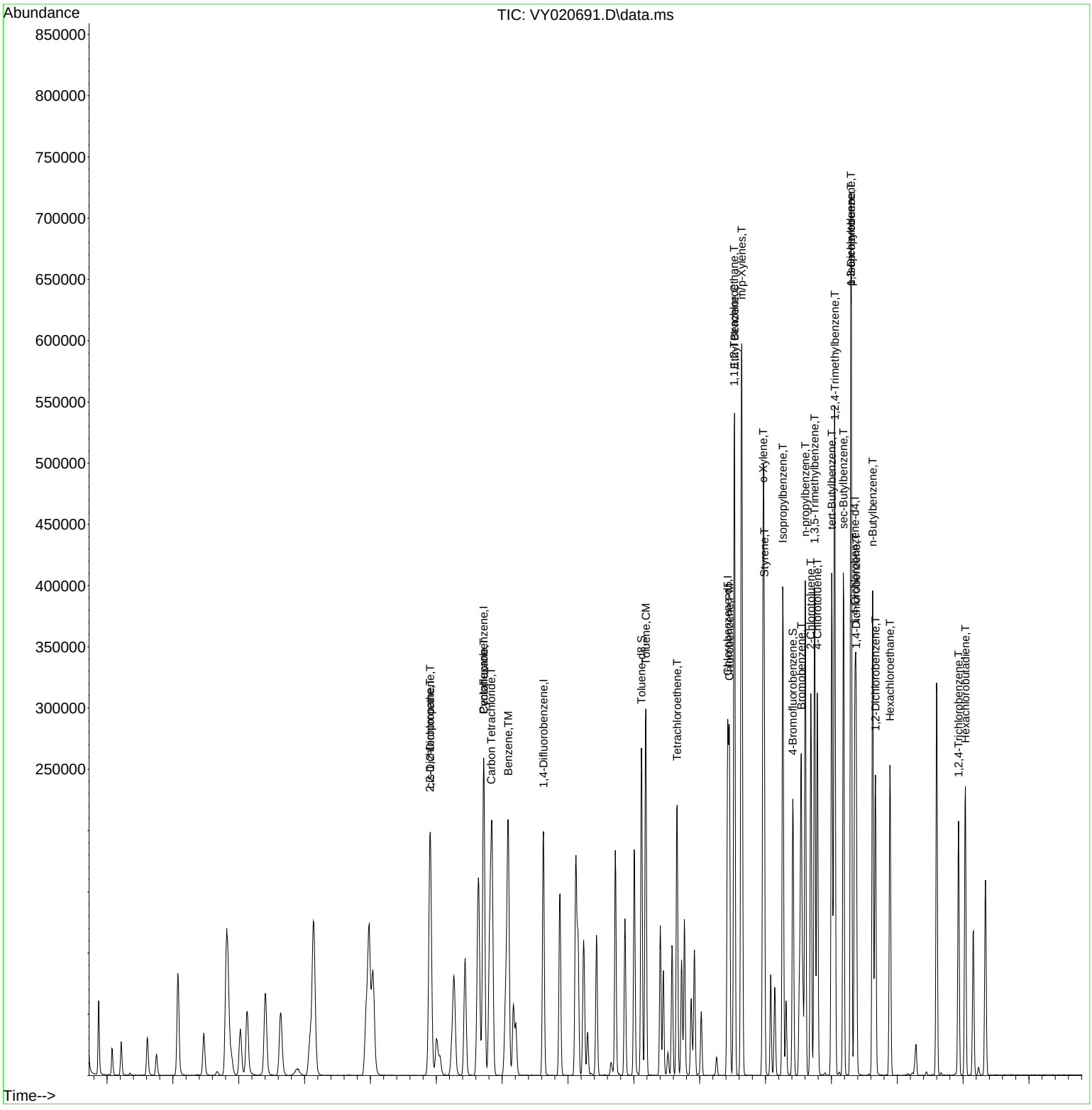
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

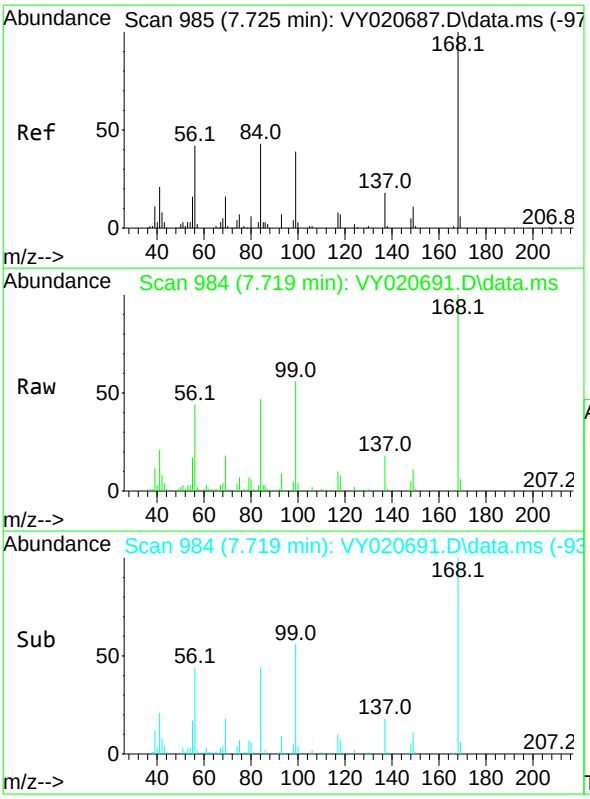
Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

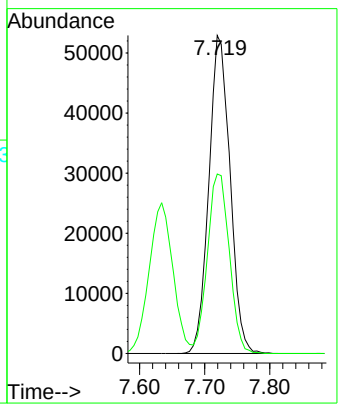




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:168 Resp: 119608

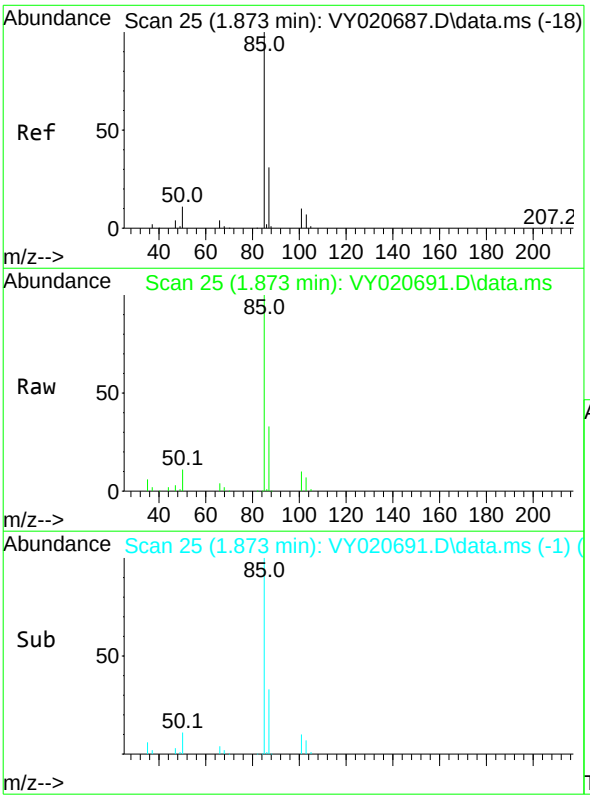
Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

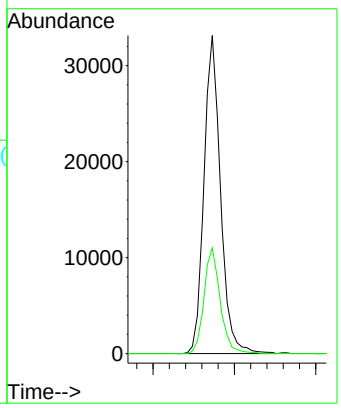
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

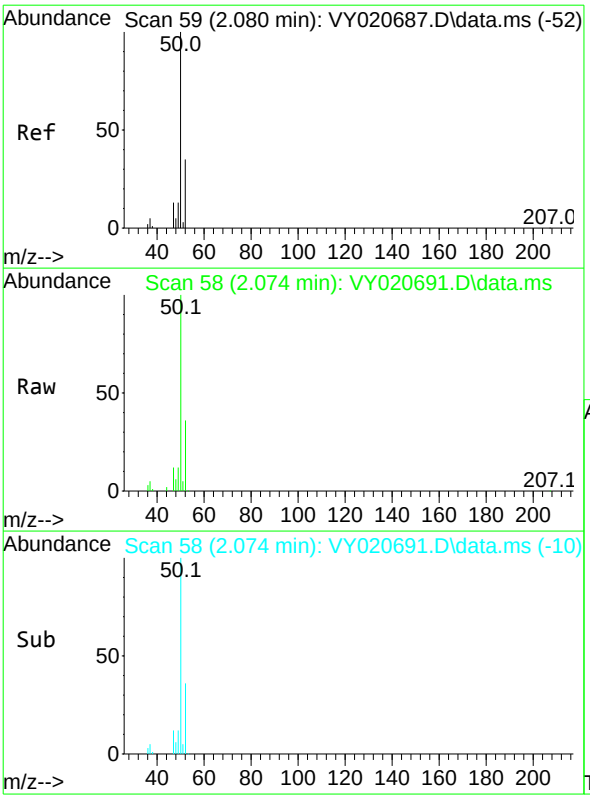


#2
Dichlorodifluoromethane
Concen: 50.681 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 85 Resp: 46701

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.8	50.3

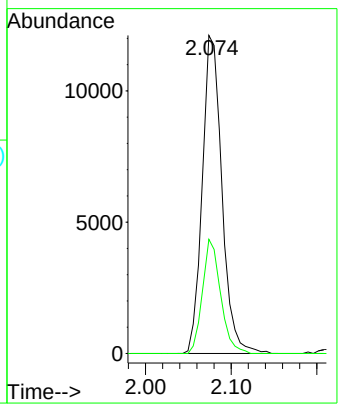




#3
Chloromethane
Concen: 51.382 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 50 Resp: 19289

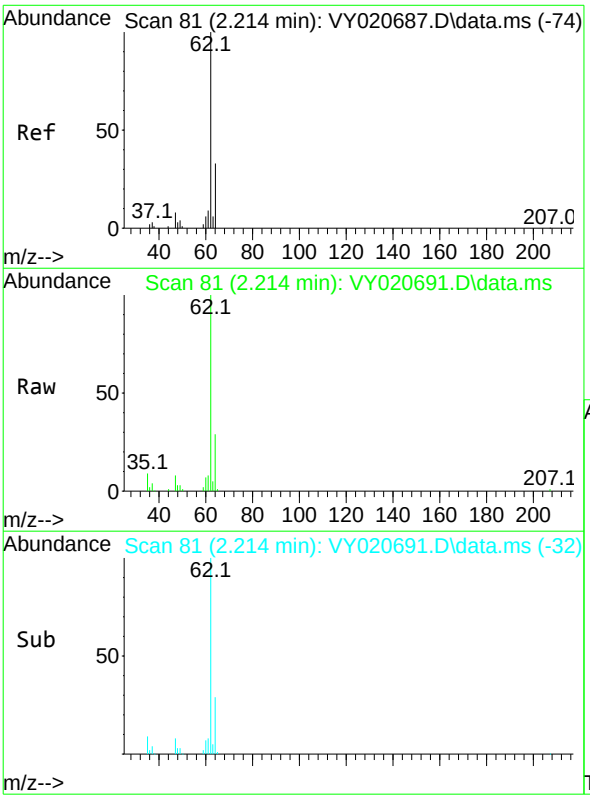
Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

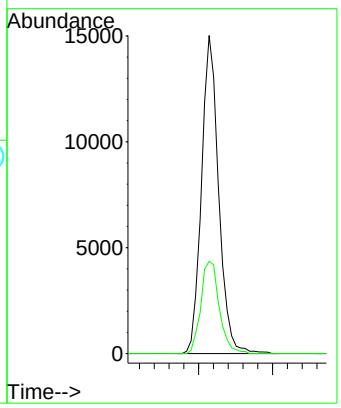
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

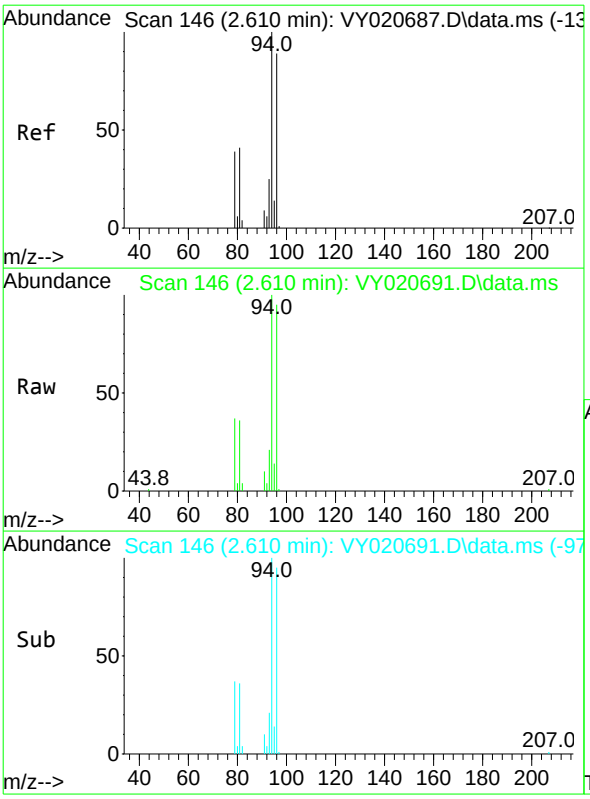


#4
Vinyl Chloride
Concen: 52.828 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 62 Resp: 24179

Ion	Ratio	Lower	Upper
62	100		
64	29.0	25.3	37.9

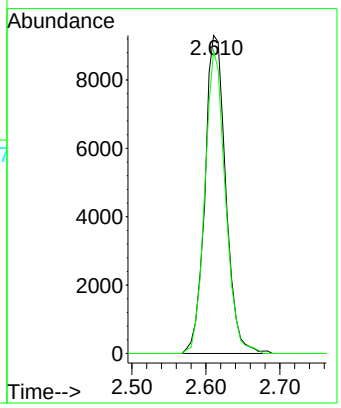




#5
Bromomethane
Concen: 56.471 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 94 Resp: 18251

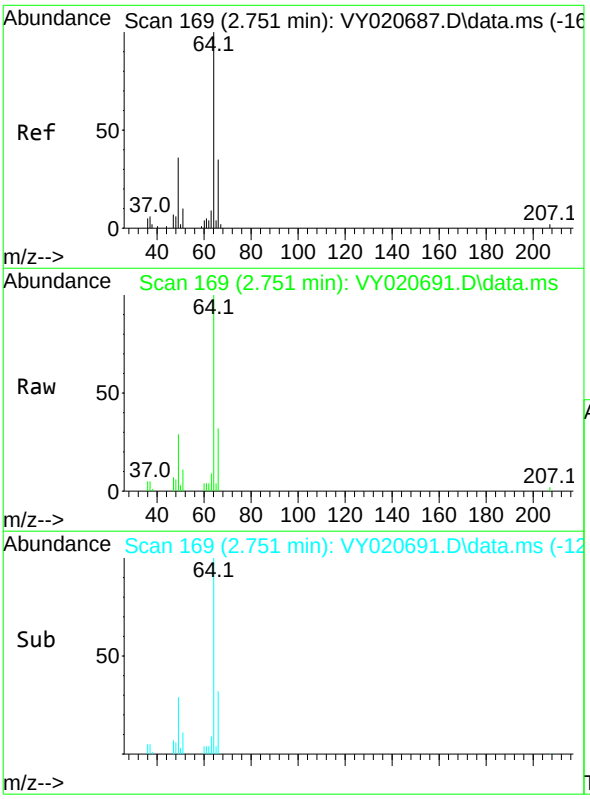
Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

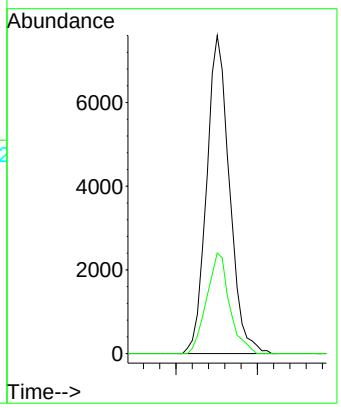
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

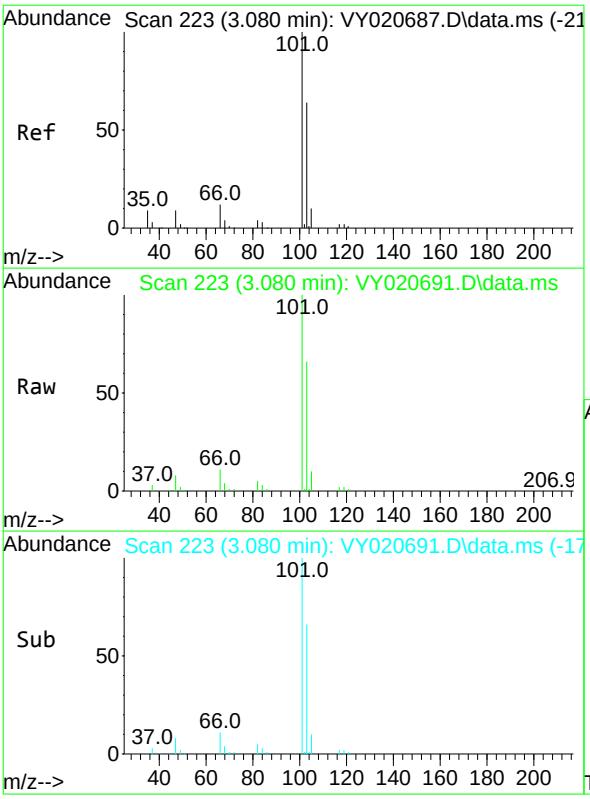


#6
Chloroethane
Concen: 53.251 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 64 Resp: 14813

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.8	38.6

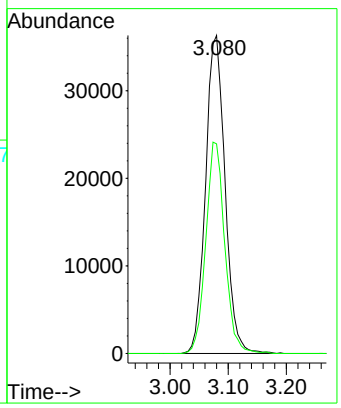




#7
Trichlorofluoromethane
Concen: 51.310 ug/l
RT: 3.080 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:101 Resp: 84454

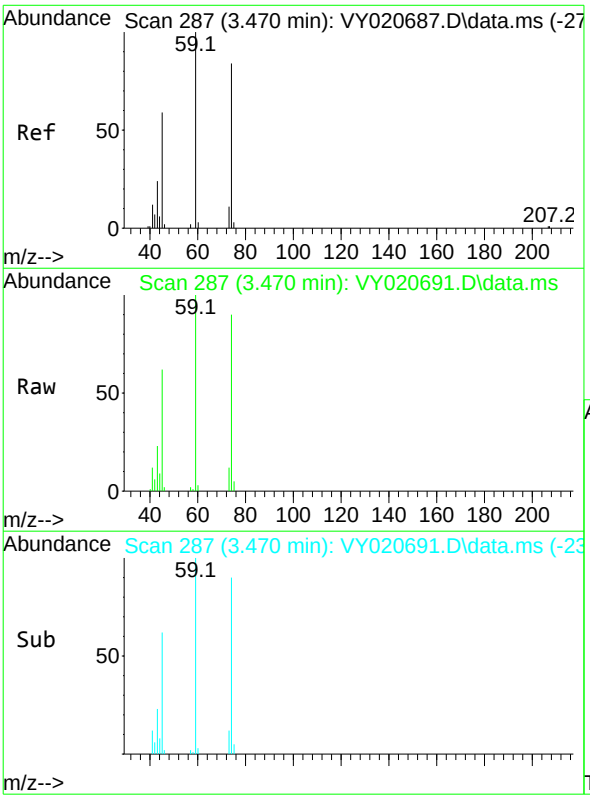
Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

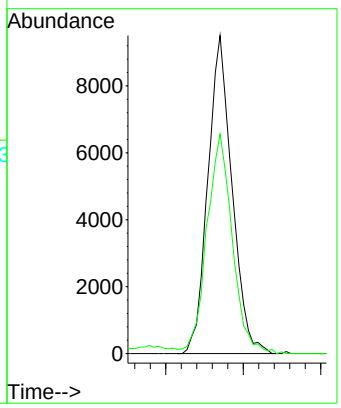
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

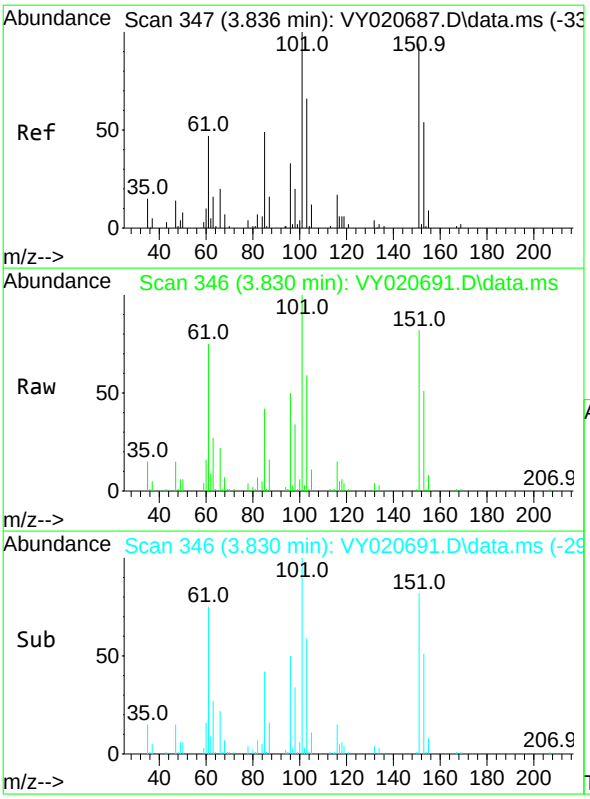


#8
Diethyl Ether
Concen: 52.184 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 74 Resp: 20559

Ion	Ratio	Lower	Upper
74	100		
45	73.0	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.644 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

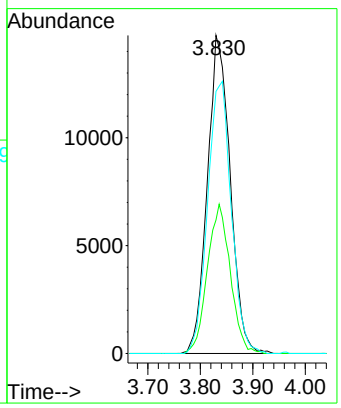
Tgt Ion:101 Resp: 44620

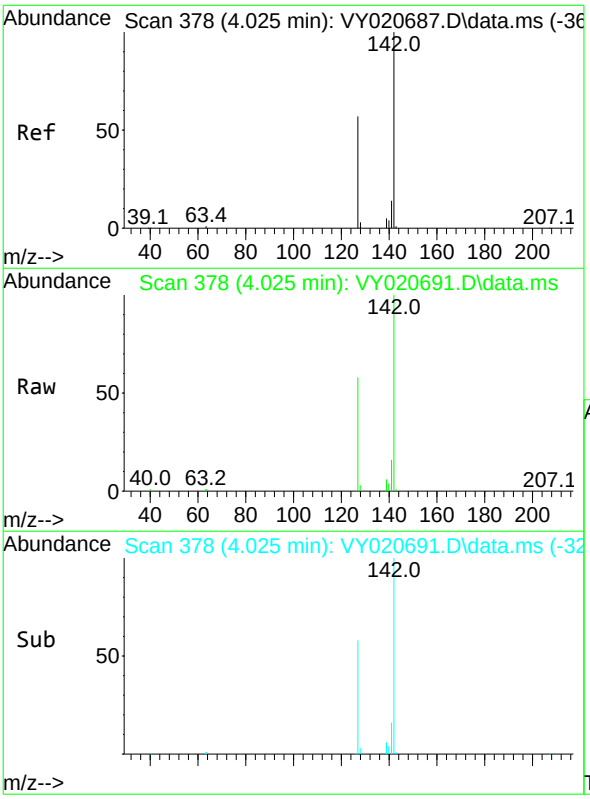
Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.6	54.8
151	88.7	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

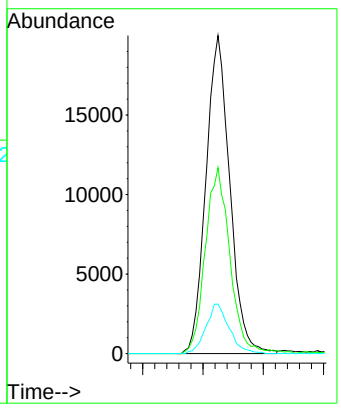


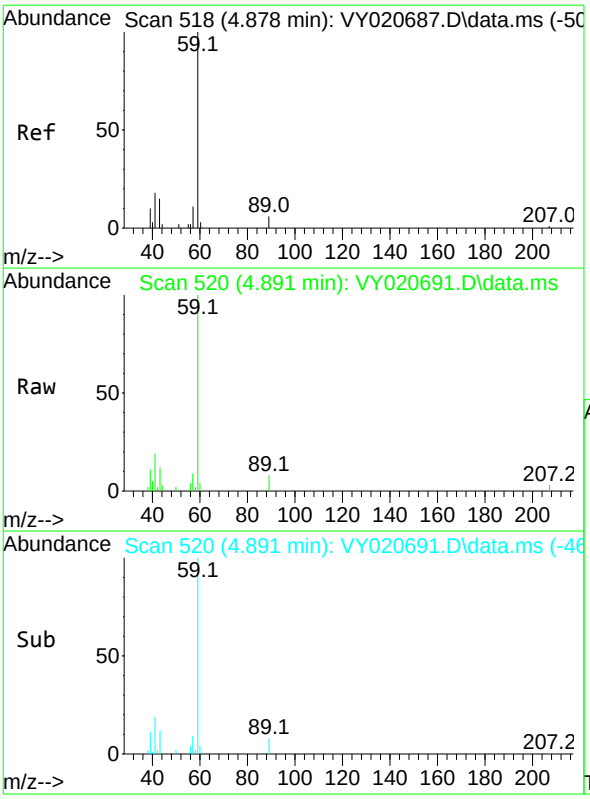


#10
Methyl Iodide
Concen: 53.200 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:142 Resp: 55082

Ion	Ratio	Lower	Upper
142	100		
127	60.2	40.6	61.0
141	15.1	11.7	17.5

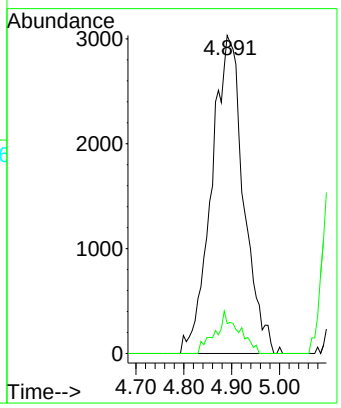




#11
Tert butyl alcohol
Concen: 182.349 ug/l
RT: 4.891 min Scan# 52
Delta R.T. 0.013 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 59 Resp: 14113

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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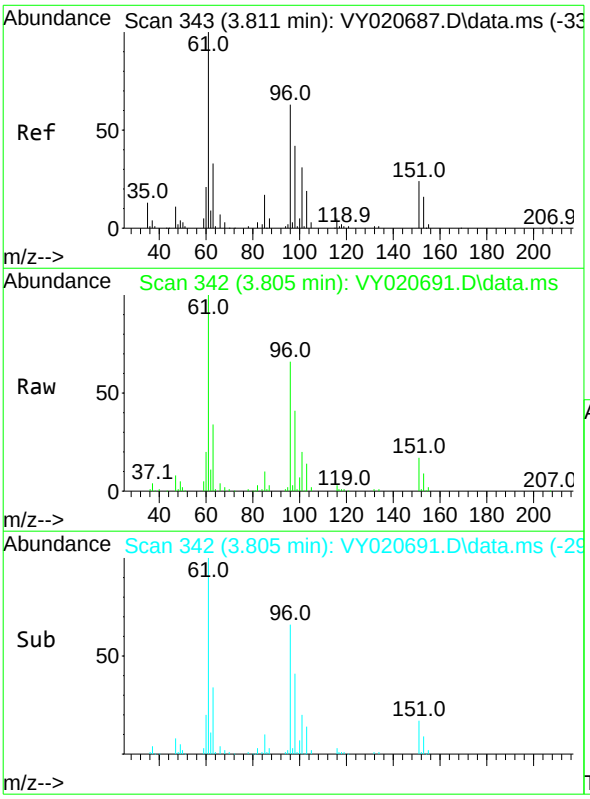
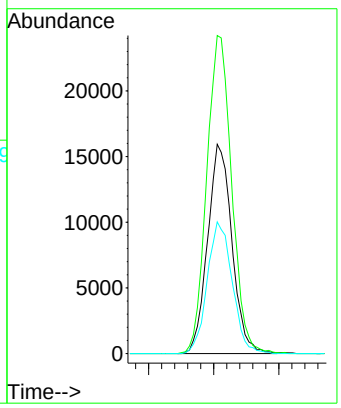
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

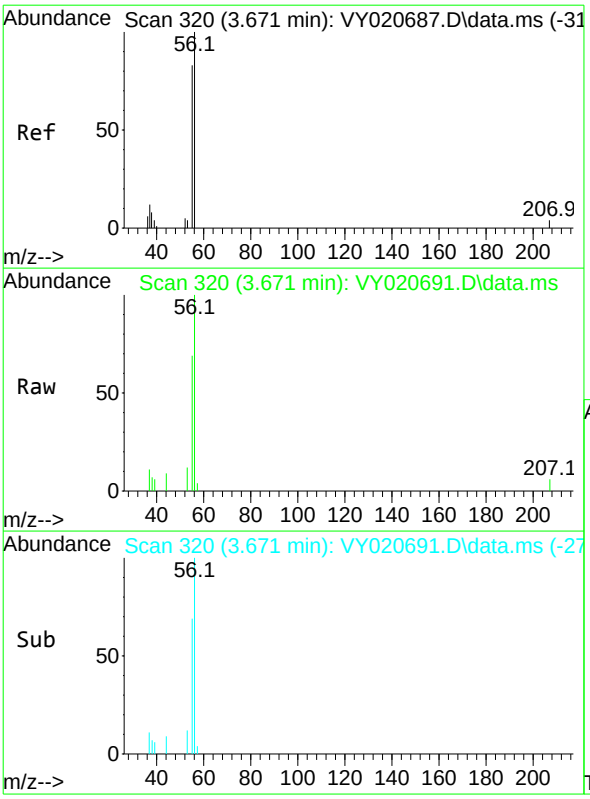


#12
1,1-Dichloroethene
Concen: 51.959 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 96 Resp: 41447

Ion	Ratio	Lower	Upper
96	100		
61	151.9	136.9	205.3
98	62.9	50.2	75.4

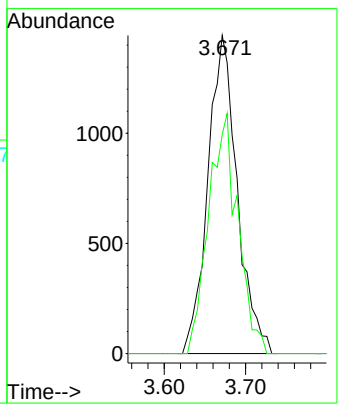




#13
Acrolein
Concen: 198.420 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 56 Resp: 3620

Ion	Ratio	Lower	Upper
56	100		
55	75.5	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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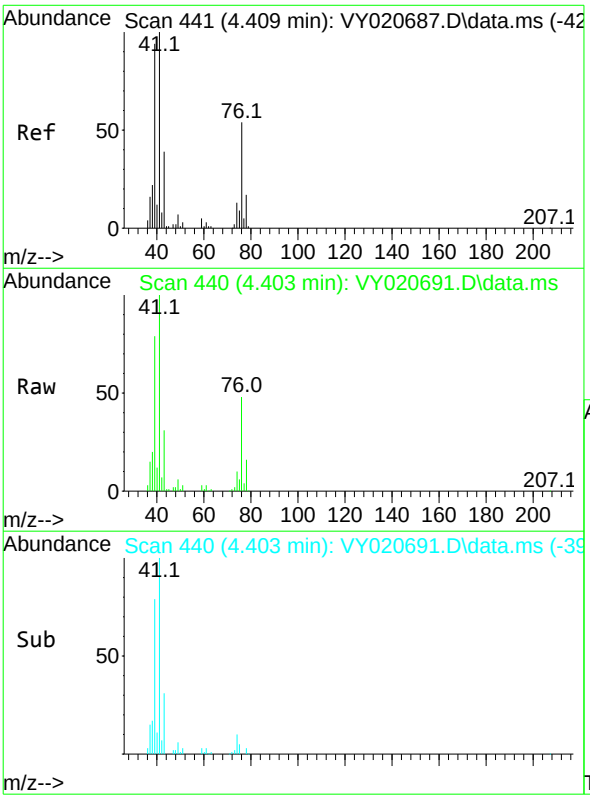
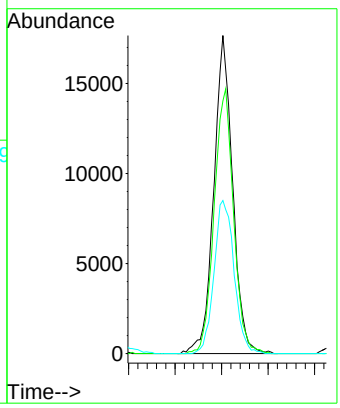
Supervised By :Mahesh Dadoda 12/26/2024

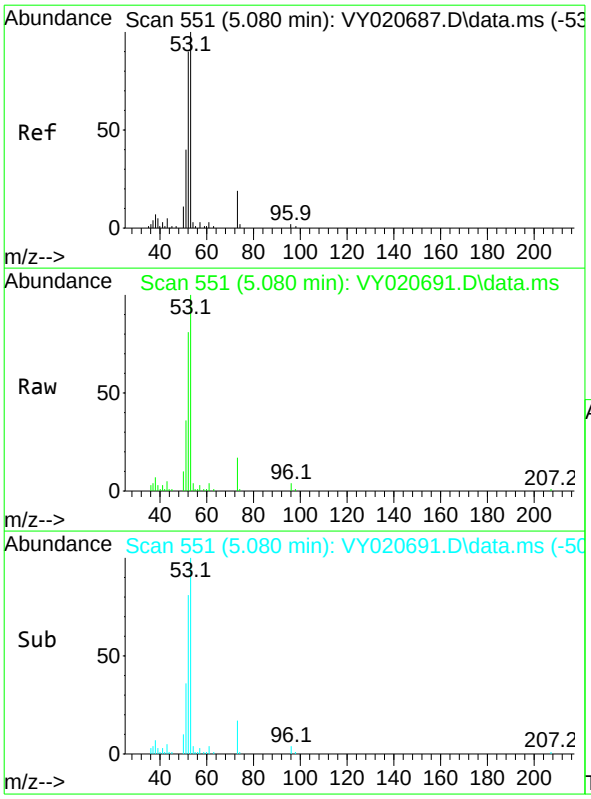


#14
Allyl chloride
Concen: 53.230 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 41 Resp: 49792

Ion	Ratio	Lower	Upper
41	100		
39	85.6	53.0	79.4#
76	51.1	29.5	44.3#

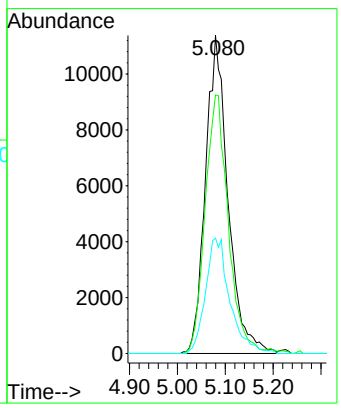




#15
Acrylonitrile
Concen: 255.978 ug/l
RT: 5.080 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 53 Resp: 37172

Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.5	96.7
51	39.3	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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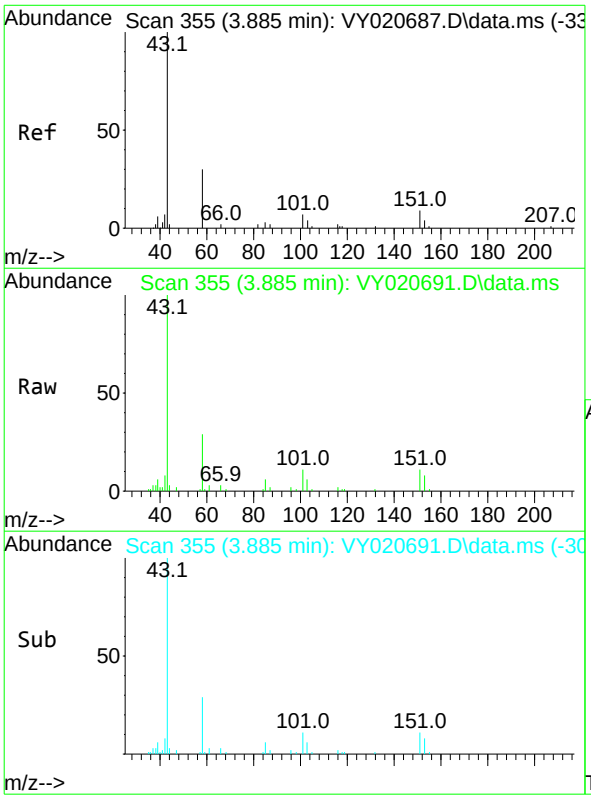
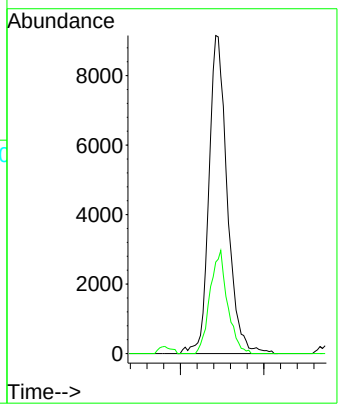
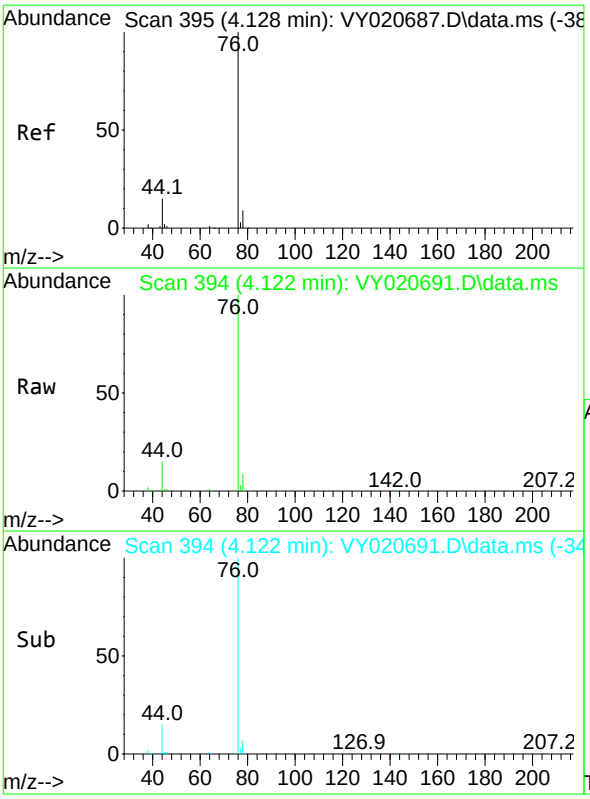


#16
Acetone
Concen: 230.728 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 27917

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.0	37.6

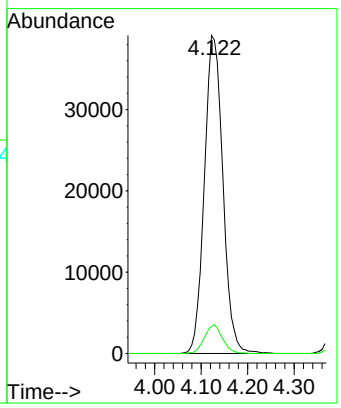




#17
Carbon Disulfide
Concen: 54.332 ug/l
RT: 4.122 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 76 Resp: 108056

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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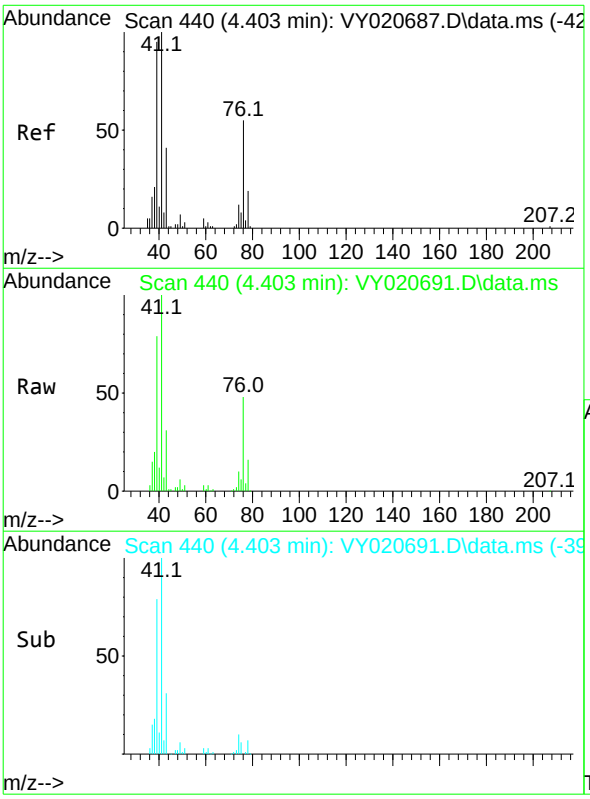
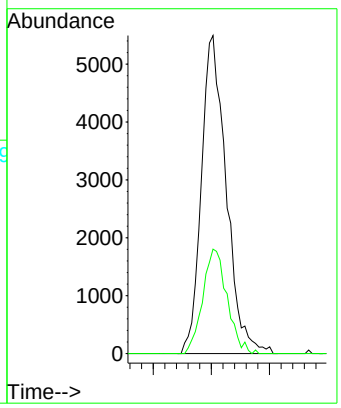
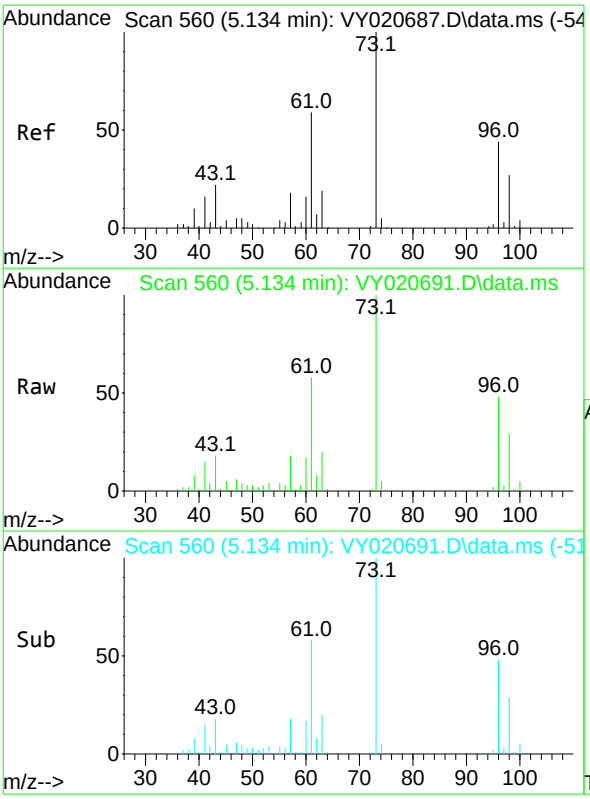


#18
Methyl Acetate
Concen: 52.099 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 16309

Ion	Ratio	Lower	Upper
43	100		
74	32.0	19.2	28.8#





#19
Methyl tert-butyl Ether
Concen: 52.169 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 73 Resp: 113195

Ion	Ratio	Lower	Upper
73	100		
57	18.1	18.5	27.7#

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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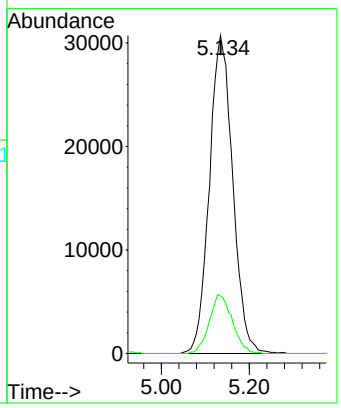
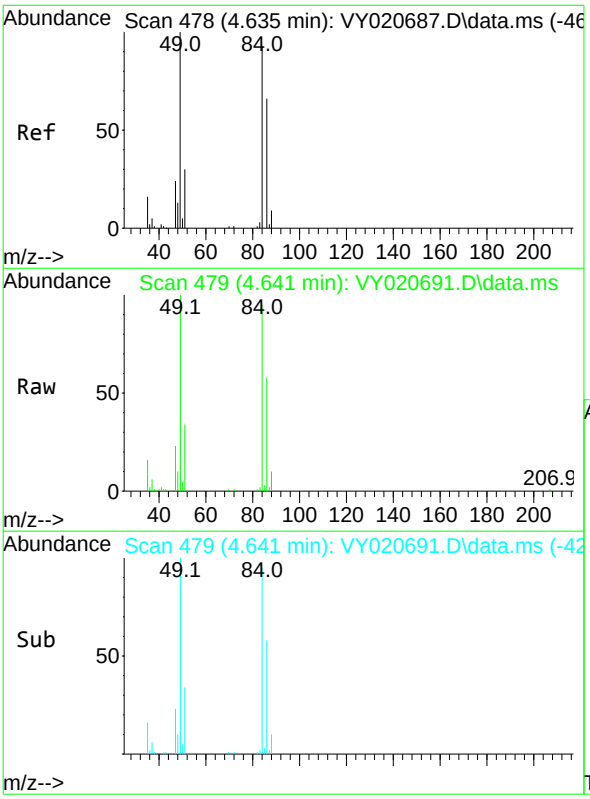
Supervised By :Mahesh Dadoda 12/26/2024

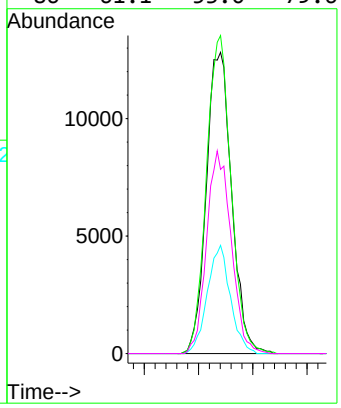


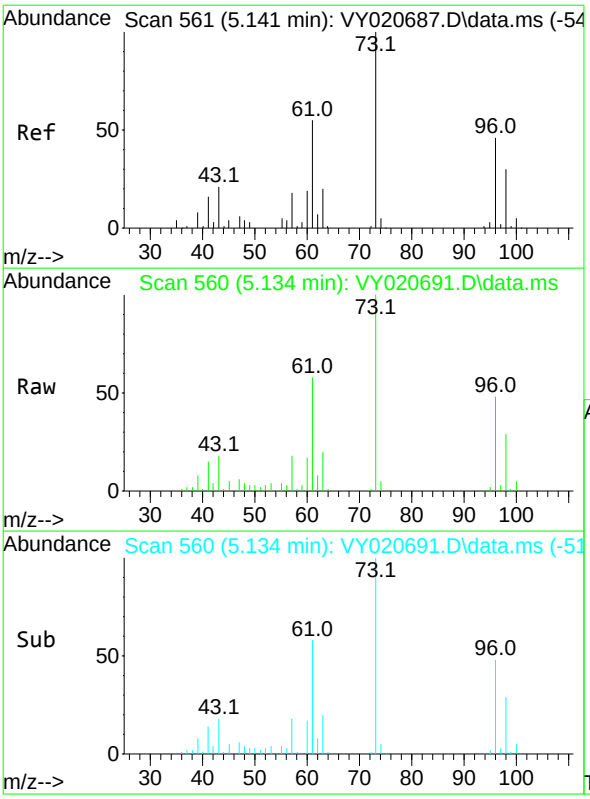


#20
Methylene Chloride
Concen: 51.688 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 84 Resp: 41675

Ion	Ratio	Lower	Upper
84	100		
49	105.6	100.7	151.1
51	35.9	32.2	48.2
86	61.1	53.0	79.6

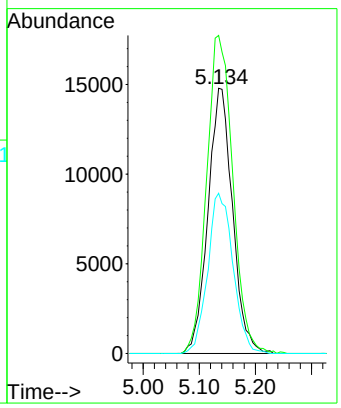




#21
trans-1,2-Dichloroethene
Concen: 52.333 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 96 Resp: 45012

Ion	Ratio	Lower	Upper
96	100		
61	119.9	113.7	170.5
98	60.4	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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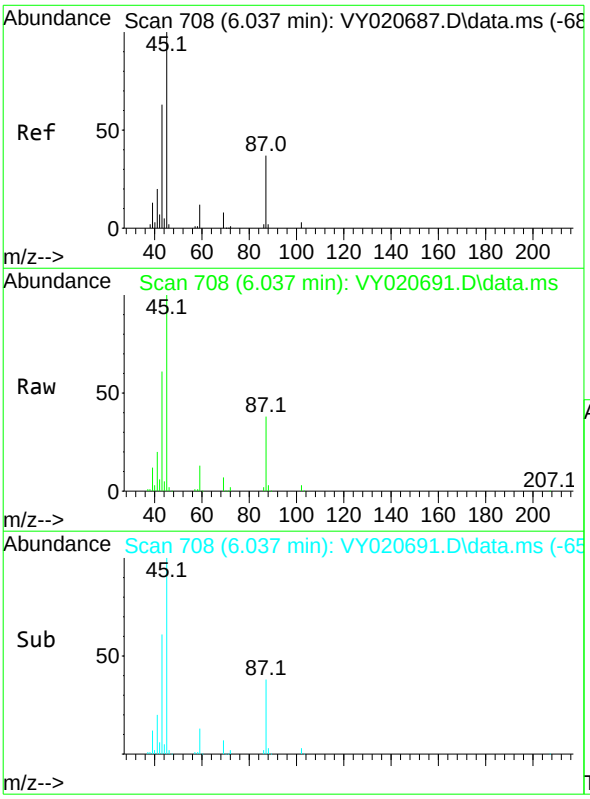
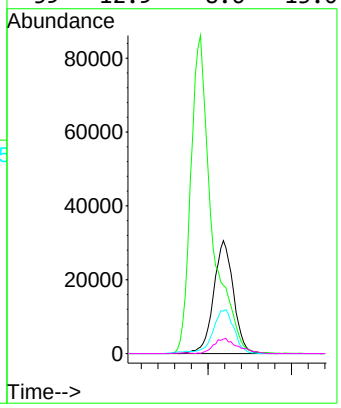
Supervised By :Mahesh Dadoda 12/26/2024

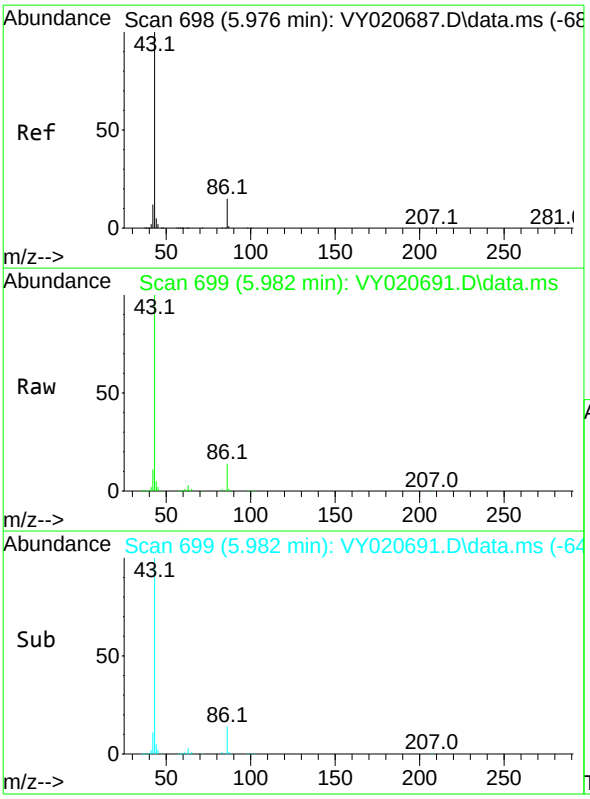


#22
Diisopropyl ether
Concen: 52.766 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 45 Resp: 100906

Ion	Ratio	Lower	Upper
45	100		
43	60.2	42.6	64.0
87	37.7	20.6	31.0#
59	12.9	8.6	13.0

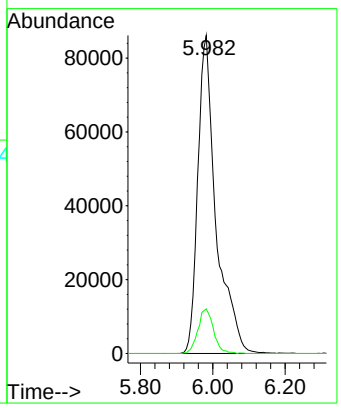




#23
Vinyl Acetate
Concen: 266.212 ug/l
RT: 5.982 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 301455

Ion	Ratio	Lower	Upper
43	100		
86	14.0	8.1	12.1#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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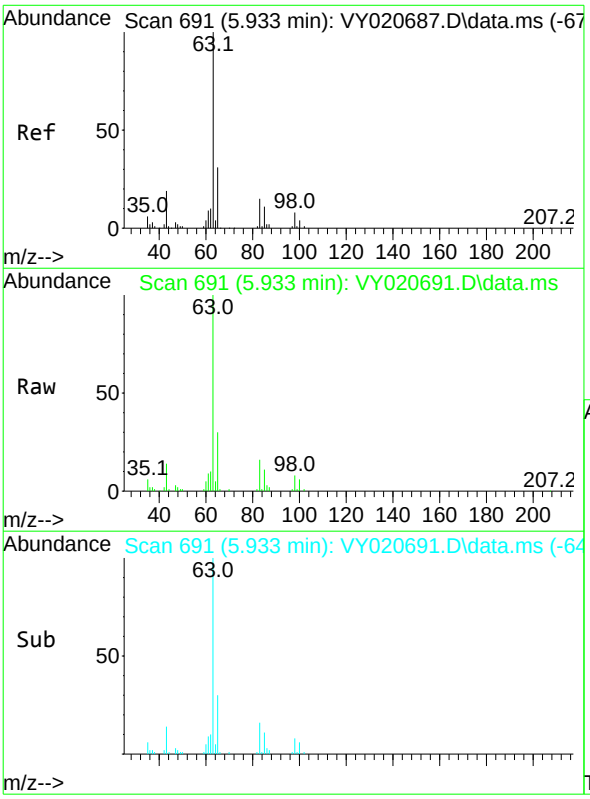
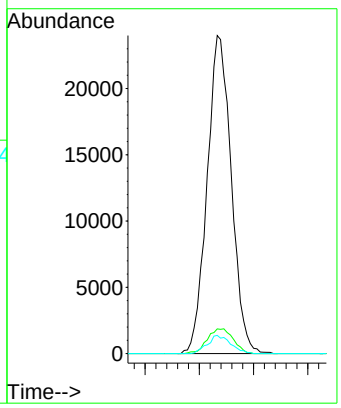
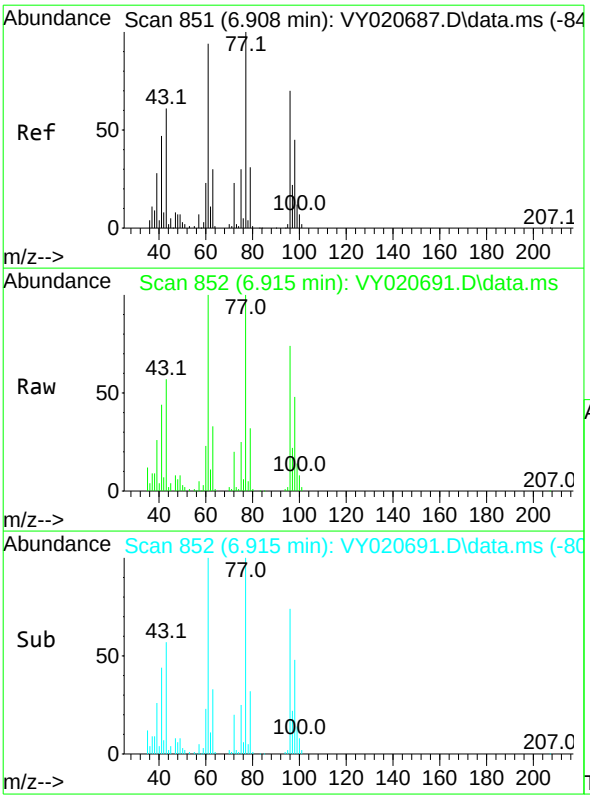


#24
1,1-Dichloroethane
Concen: 52.176 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 63 Resp: 74382

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.1
100	5.7	2.1	6.5





#25
2-Butanone
Concen: 238.673 ug/l
RT: 6.915 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 40567

Ion	Ratio	Lower	Upper
43	100		
72	35.4	20.6	31.0#

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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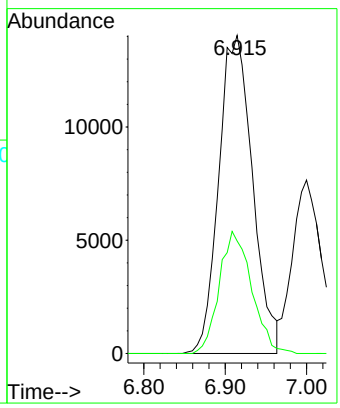
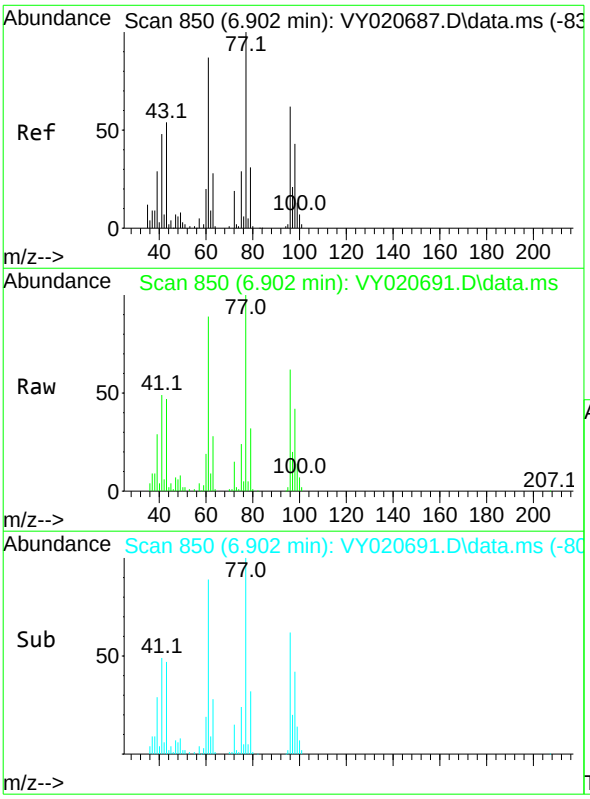
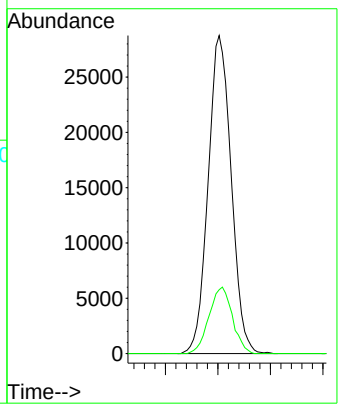


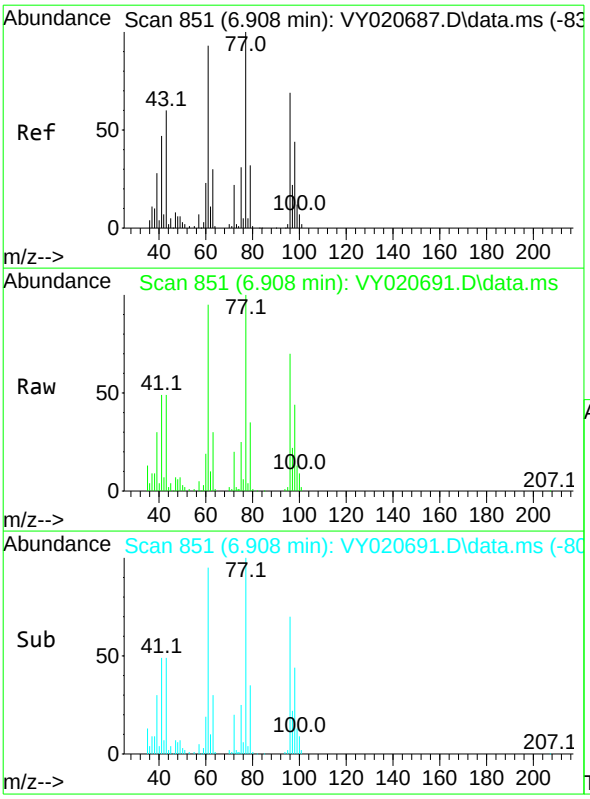


#26
2,2-Dichloropropane
Concen: 49.220 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 77 Resp: 87787

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 52.271 ug/l
RT: 6.908 min Scan# 85
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 96 Resp: 53548

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	306.2
98	65.2	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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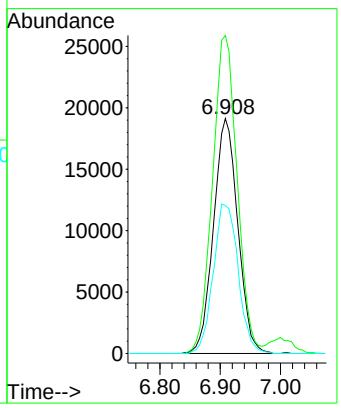
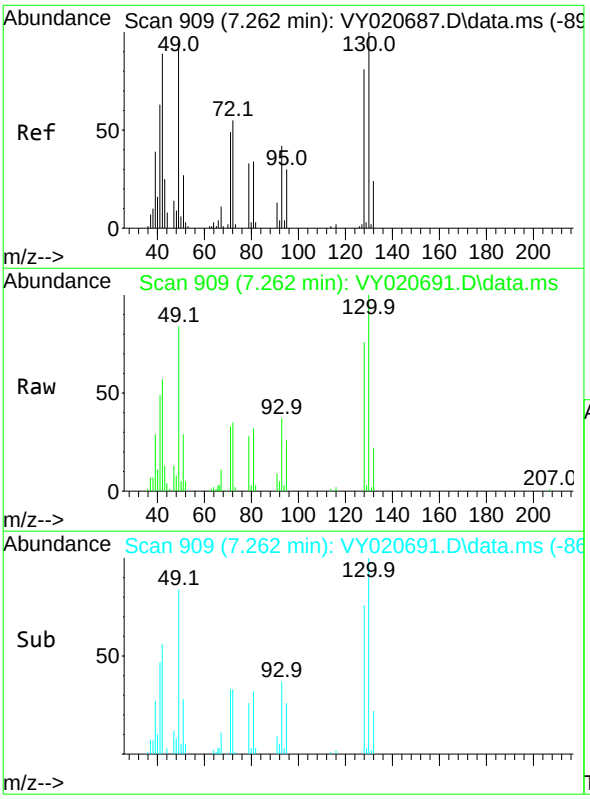
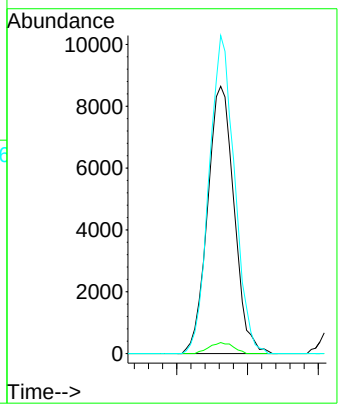


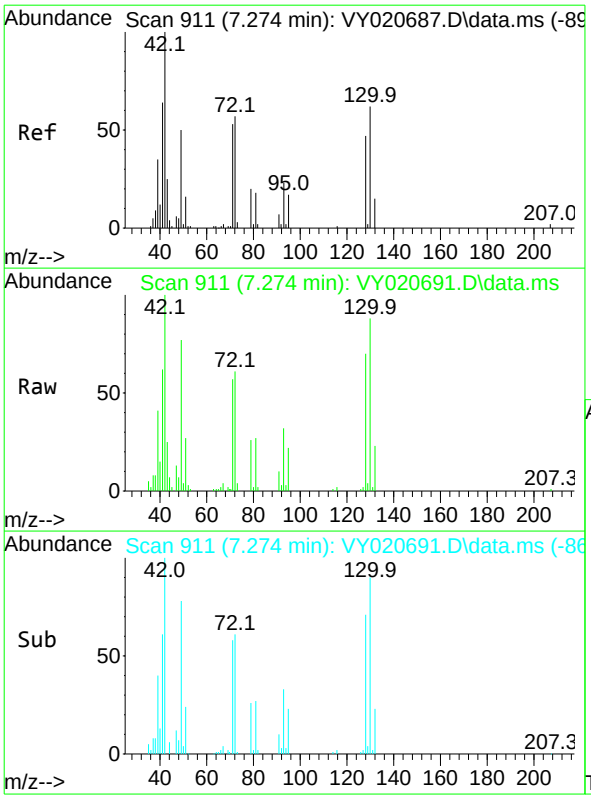


#28
Bromochloromethane
Concen: 52.907 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 49 Resp: 22519

Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	3.8
130	114.2	58.3	87.5#

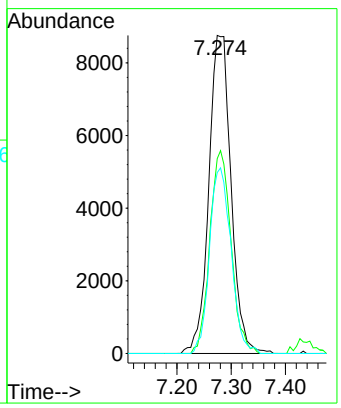




#29
Tetrahydrofuran
Concen: 249.938 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 42 Resp: 24969

Ion	Ratio	Lower	Upper
42	100		
72	60.9	34.0	51.0#
71	56.5	31.6	47.4#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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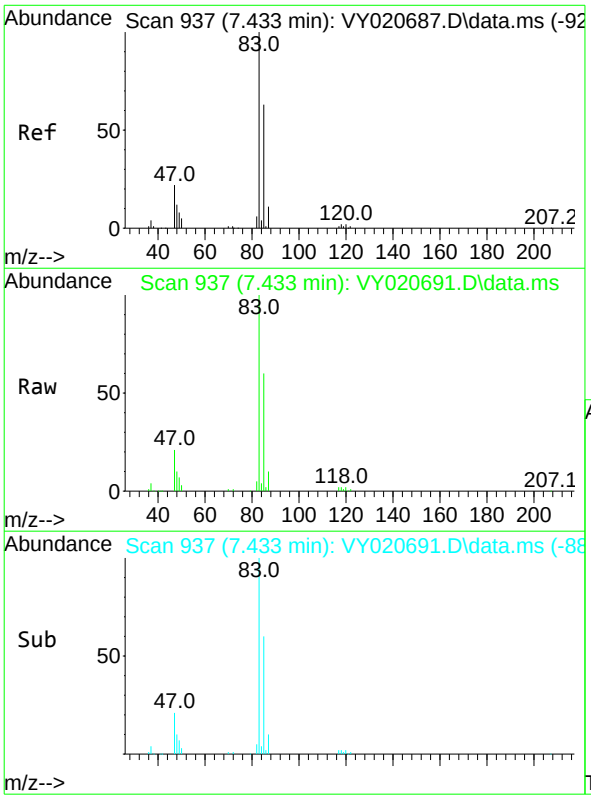
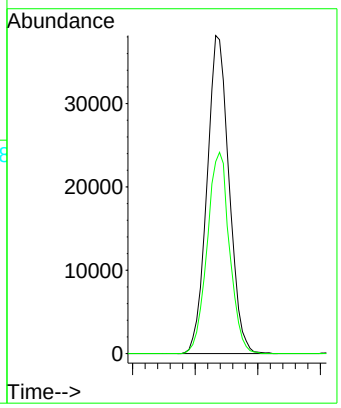
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

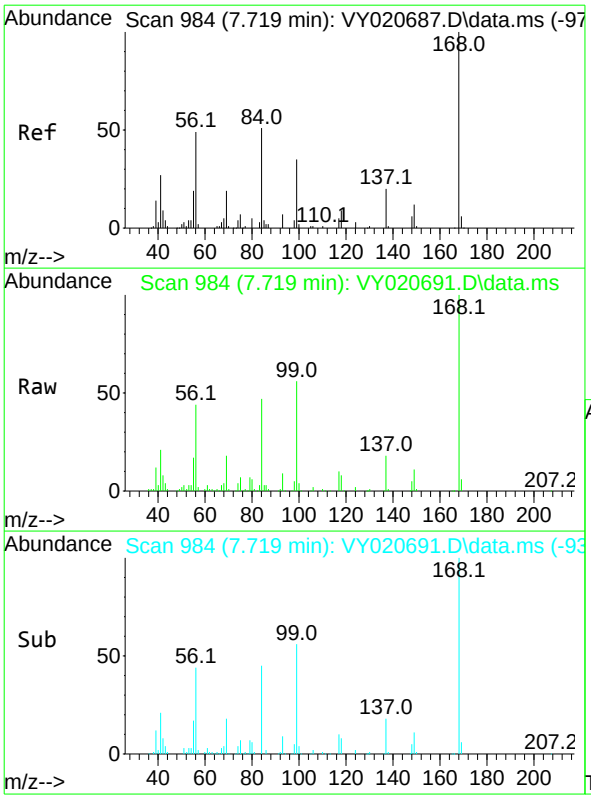


#30
Chloroform
Concen: 49.838 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 83 Resp: 93391

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.7	79.1

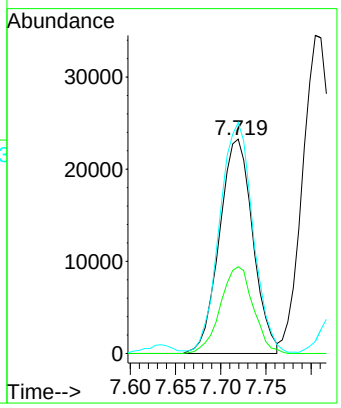




#31
Cyclohexane
Concen: 47.751 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 56 Resp: 59687

Ion	Ratio	Lower	Upper
56	100		
69	40.5	25.4	38.0#
84	106.5	68.3	102.5#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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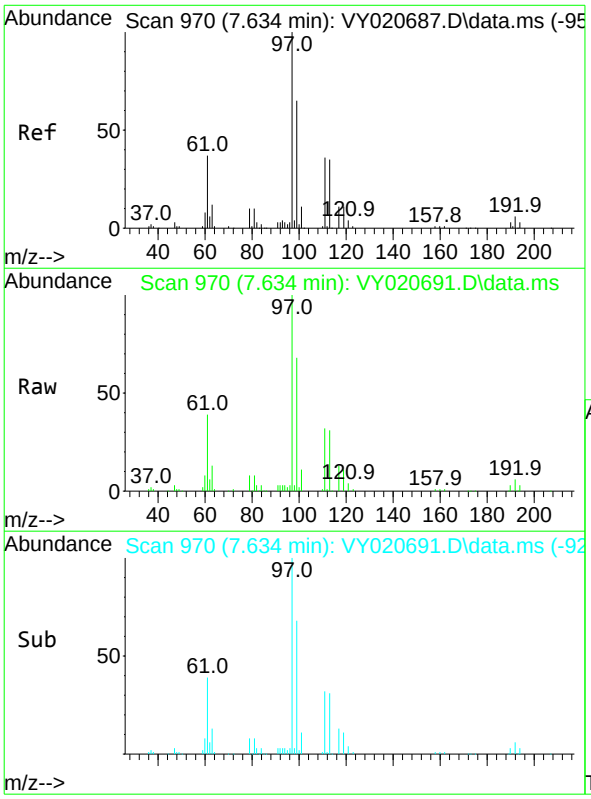
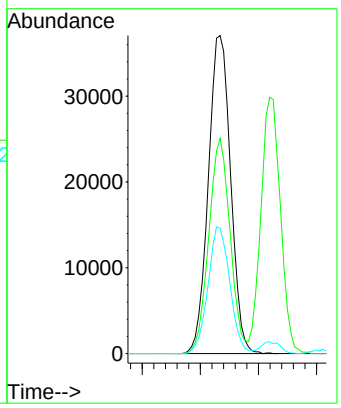
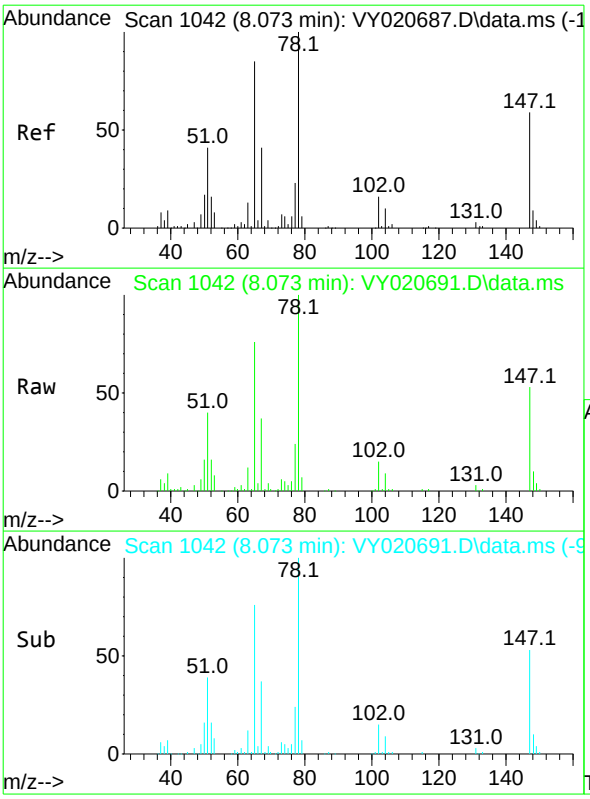


#32
1,1,1-Trichloroethane
Concen: 50.458 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 97 Resp: 98779

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	39.0	34.7	52.1

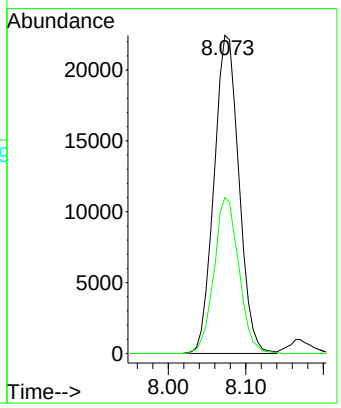




#33
1,2-Dichloroethane-d4
Concen: 47.345 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 65 Resp: 50153

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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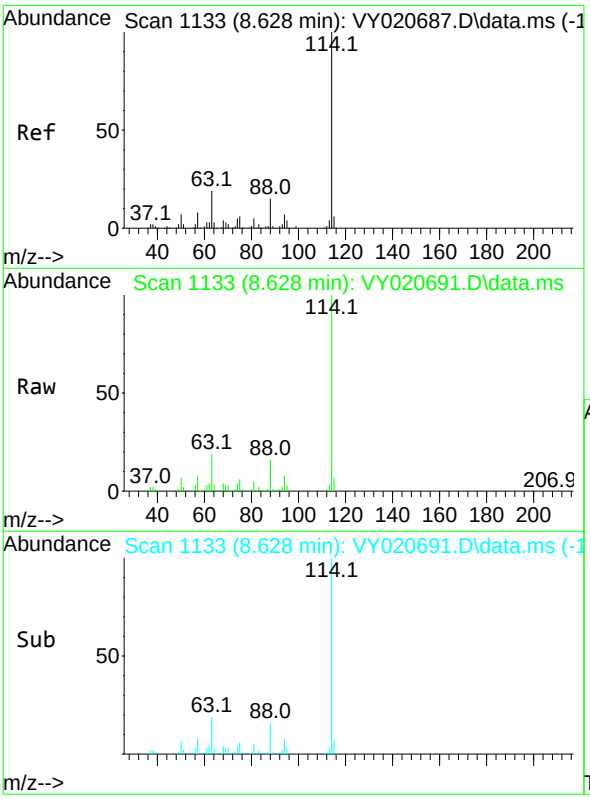
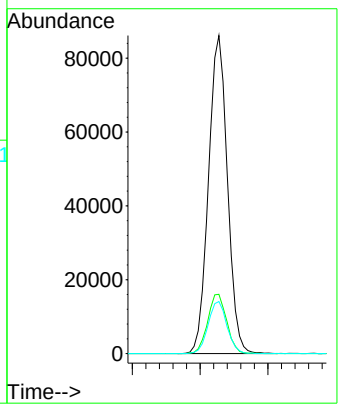
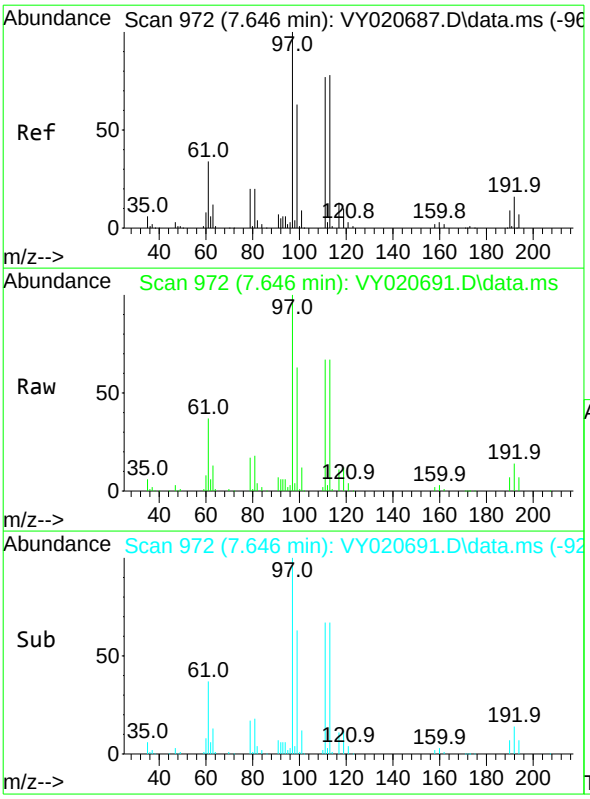


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:114 Resp: 167175

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	44.0
88	16.4	0.0	32.8

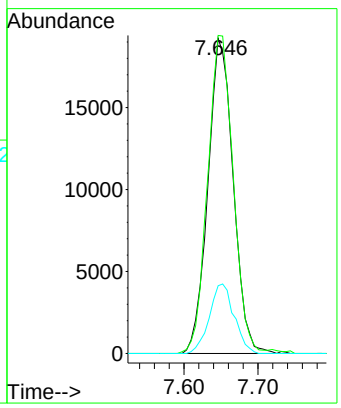




#35
Dibromofluoromethane
Concen: 46.401 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:113 Resp: 45548

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	21.6	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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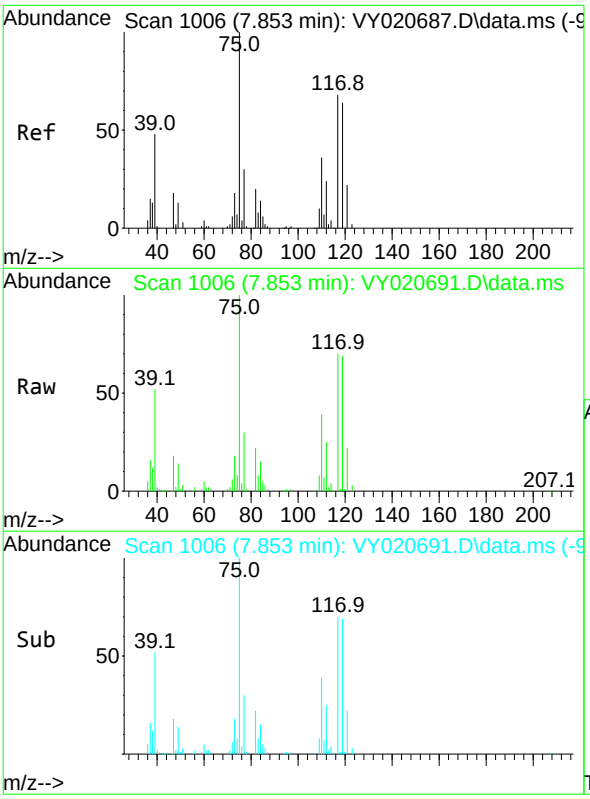
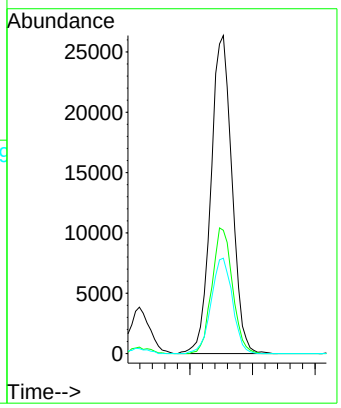
Supervised By :Mahesh Dadoda 12/26/2024

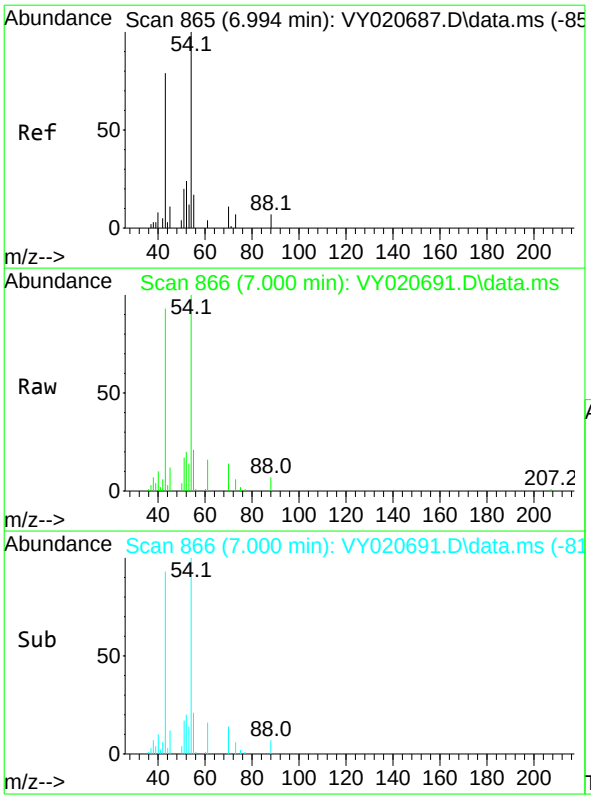


#36
1,1-Dichloropropene
Concen: 51.538 ug/l
RT: 7.853 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 61494

Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.8	50.4
77	30.3	25.0	37.6

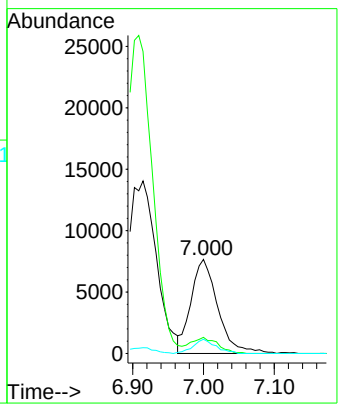




#37
Ethyl Acetate
Concen: 51.669 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 20148

Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.0	16.4#
70	12.7	7.9	11.9#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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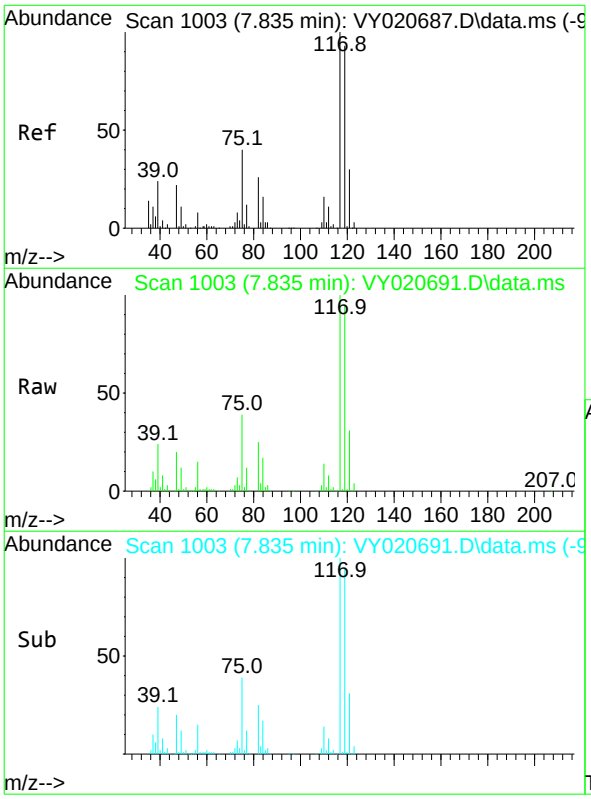
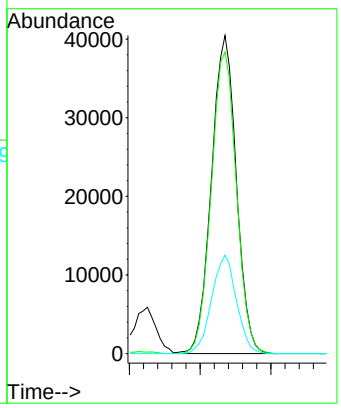
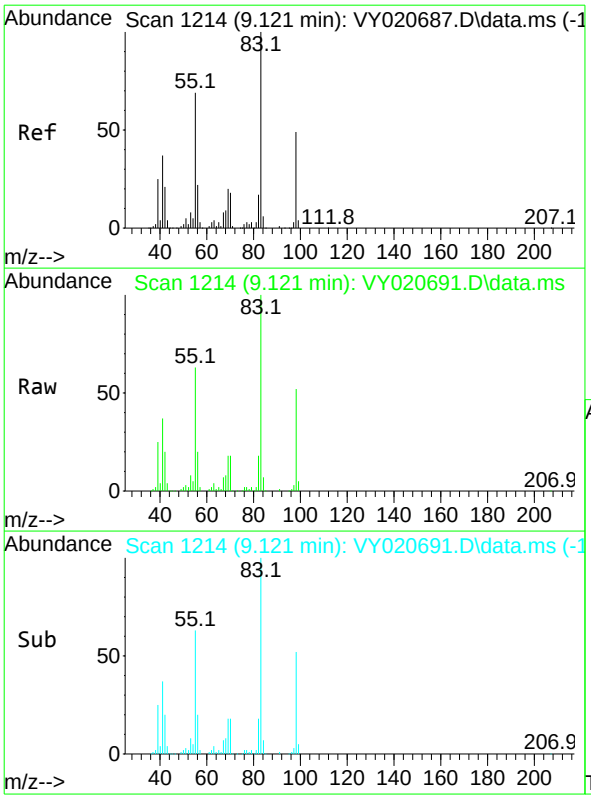


#38
Carbon Tetrachloride
Concen: 51.140 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:117 Resp: 98743

Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.3	117.5
121	30.9	25.1	37.7





#39
Methylcyclohexane
Concen: 51.850 ug/l
RT: 9.121 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 83 Resp: 78636

Ion	Ratio	Lower	Upper
83	100		
55	63.3	61.4	92.0
98	51.8	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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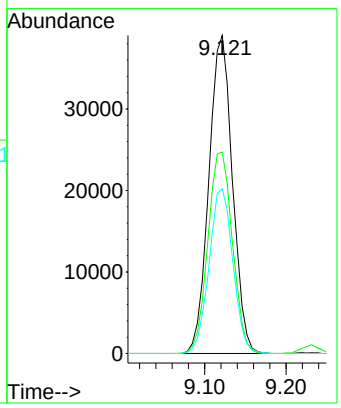
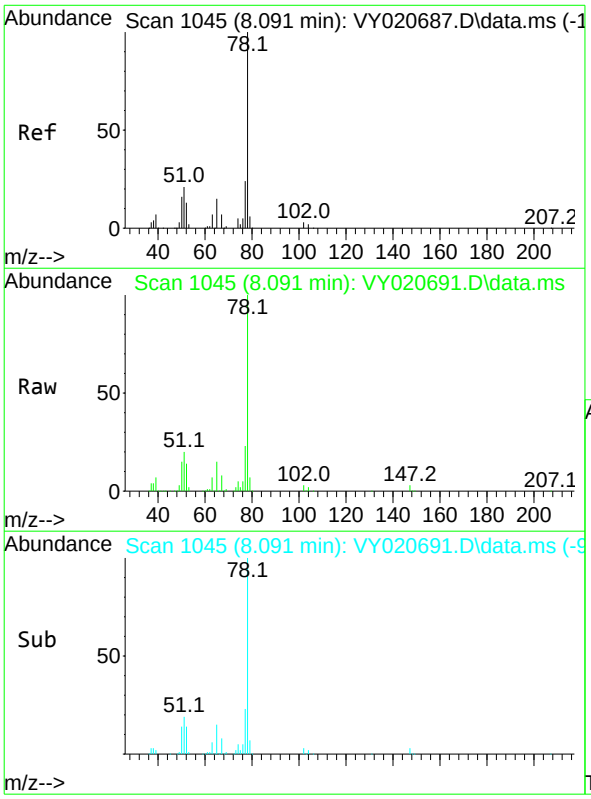
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

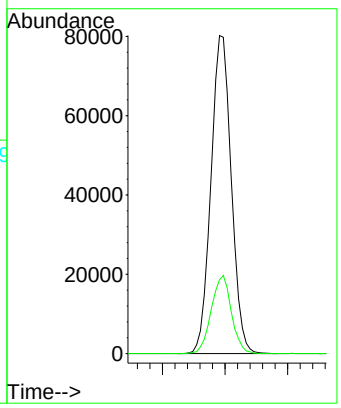


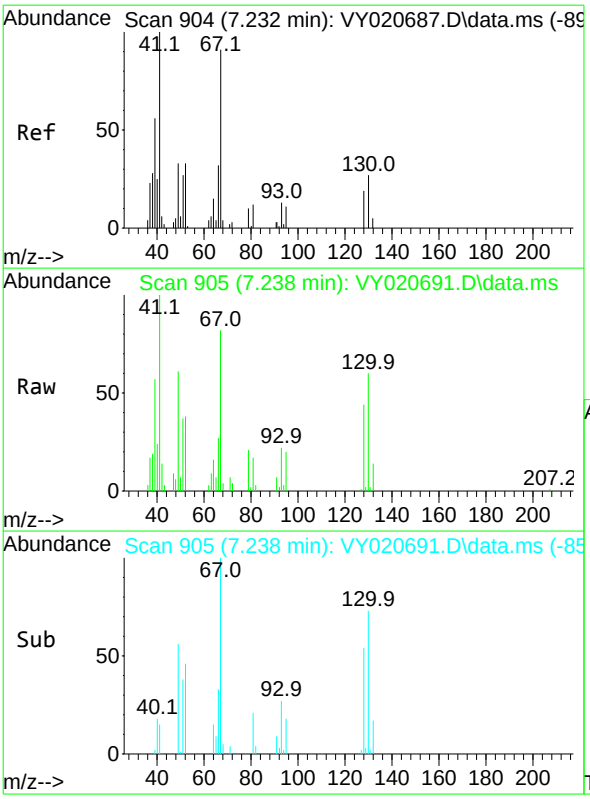


#40
Benzene
Concen: 52.566 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 78 Resp: 180937

Ion	Ratio	Lower	Upper
78	100		
77	23.2	20.1	30.1

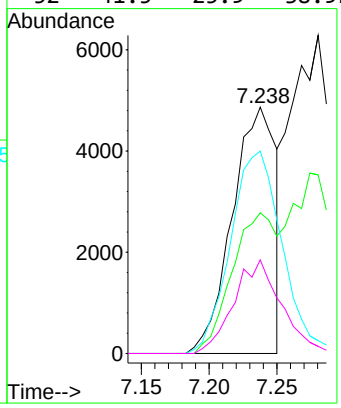




#41
Methacrylonitrile
Concen: 49.072 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 41 Resp: 10841

Ion	Ratio	Lower	Upper
41	100		
39	58.0	53.6	80.4
67	97.6	62.0	93.0#
52	41.5	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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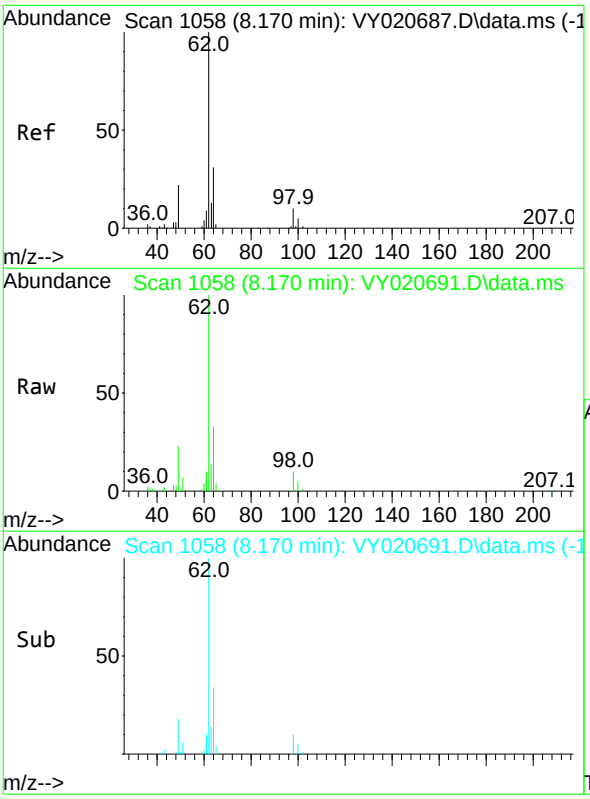
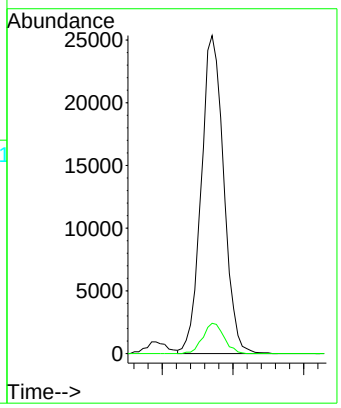
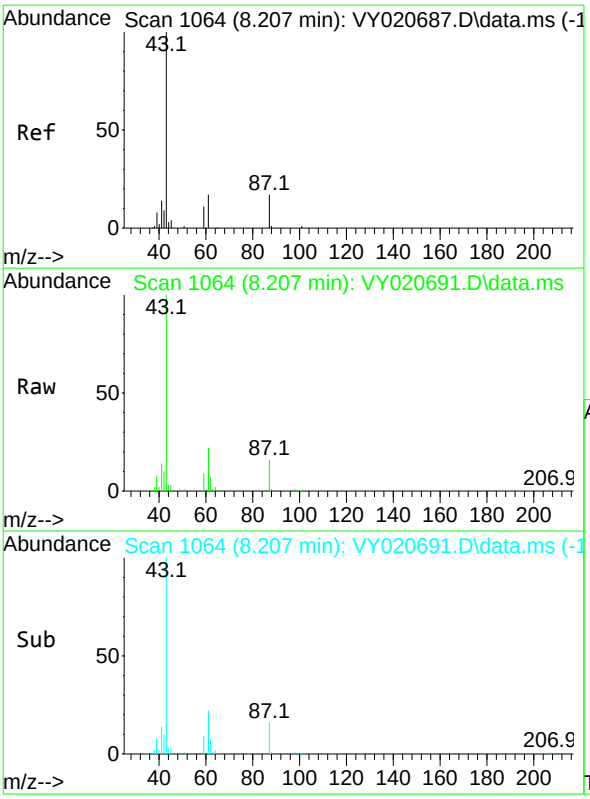


#42
1,2-Dichloroethane
Concen: 51.098 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 62 Resp: 55938

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0

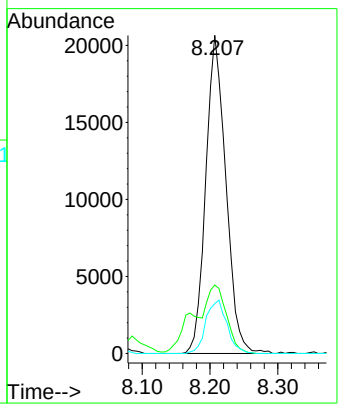




#43
Isopropyl Acetate
Concen: 52.443 ug/l
RT: 8.207 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 42503

Ion	Ratio	Lower	Upper
43	100		
61	21.1	23.8	35.6#
87	17.6	10.2	15.4#



Instrument :
MSVOA_Y
ClientSampleId :
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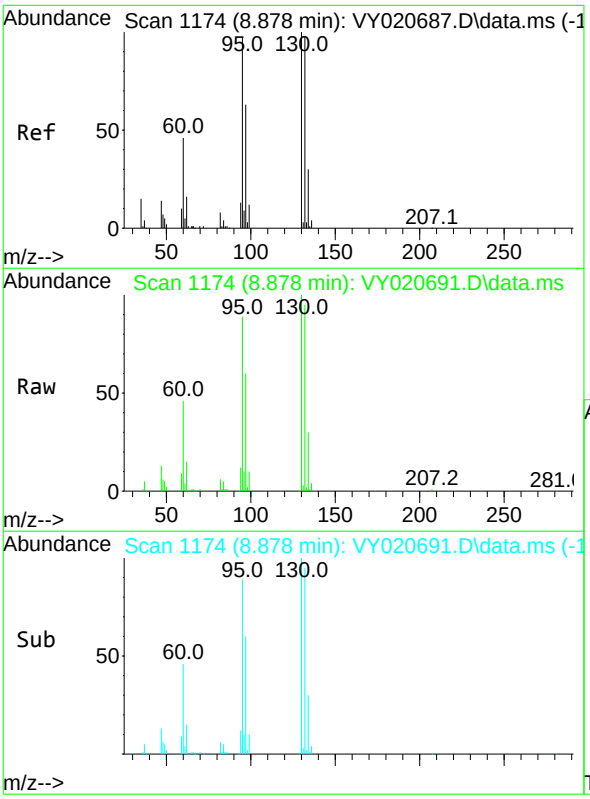
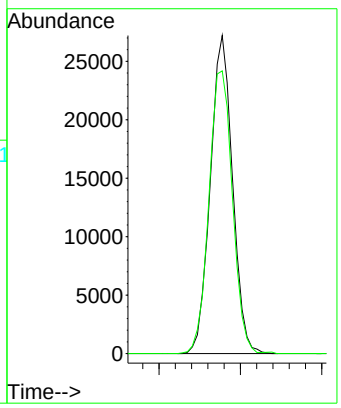
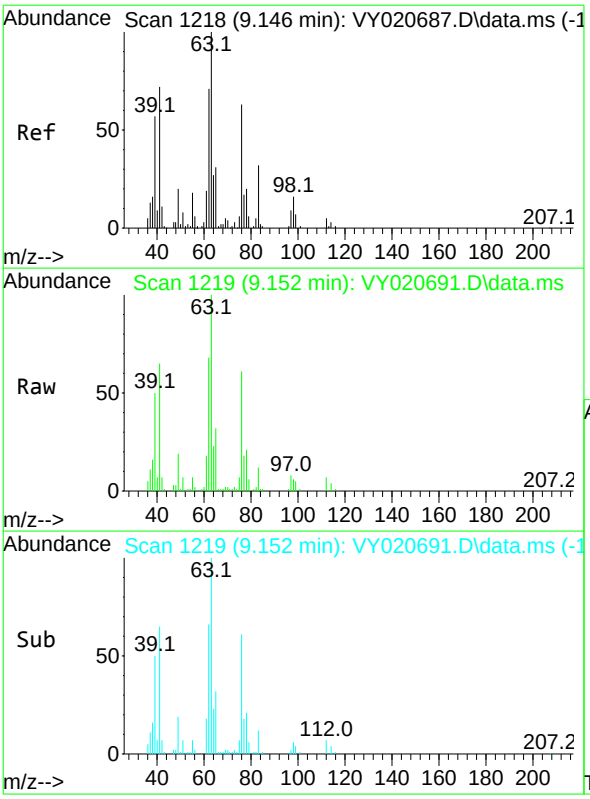


#44
Trichloroethene
Concen: 50.474 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:130 Resp: 51562

Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	203.2

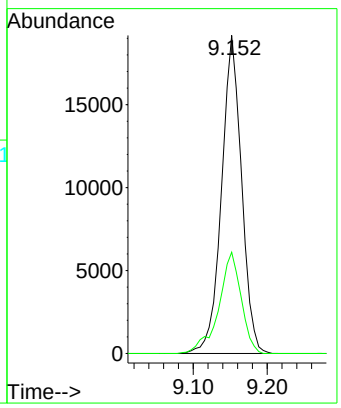




#45
1,2-Dichloropropane
Concen: 53.265 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 63 Resp: 36023

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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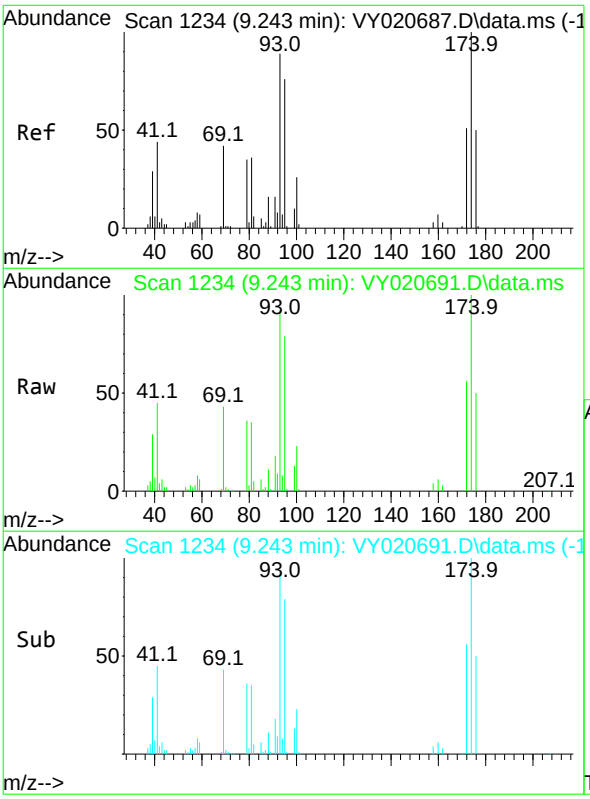
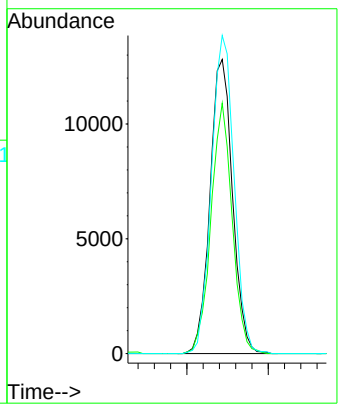
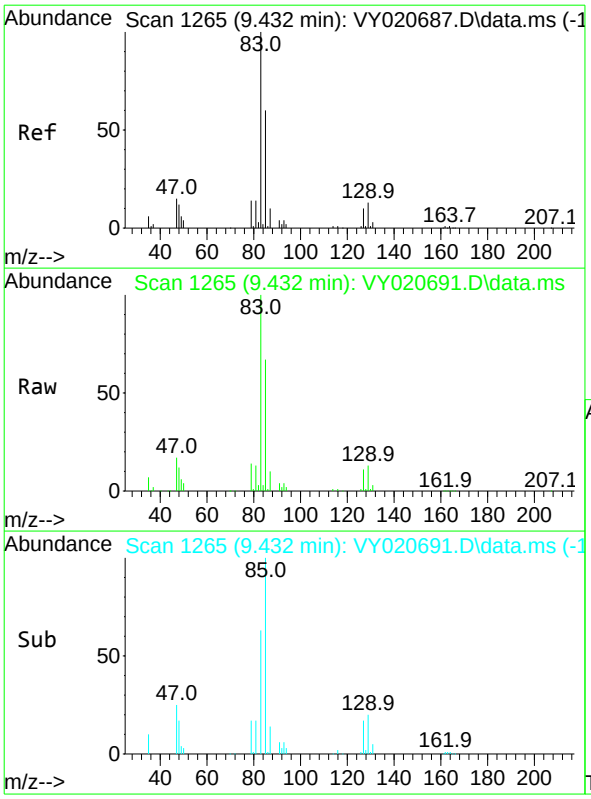


#46
Dibromomethane
Concen: 52.921 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 93 Resp: 24708

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.7	100.1
174	108.4	77.8	116.6

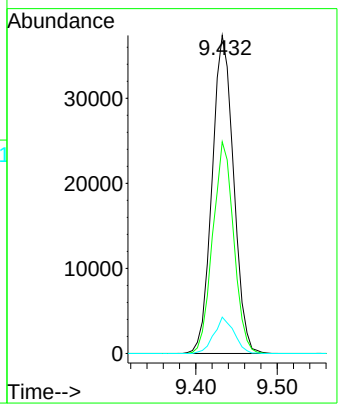




#47
Bromodichloromethane
Concen: 51.846 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 83 Resp: 68666

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1
127	11.4	6.7	10.1#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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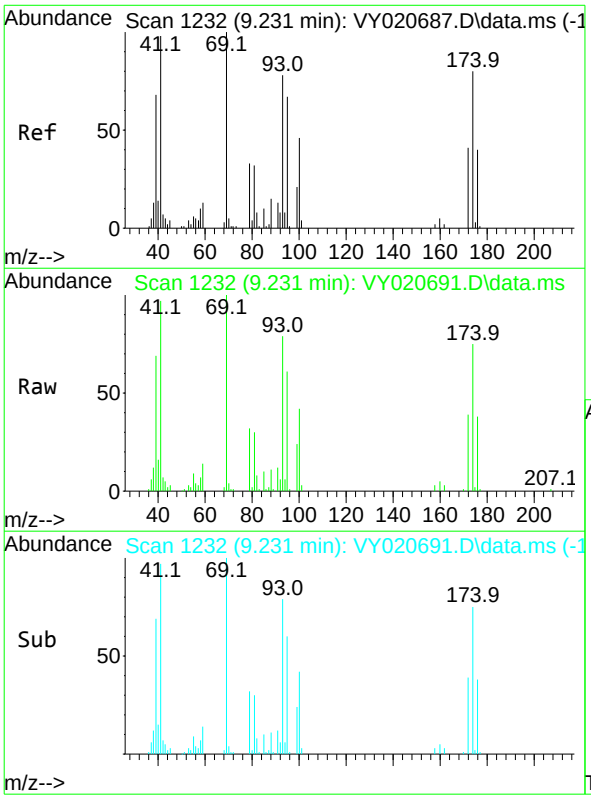
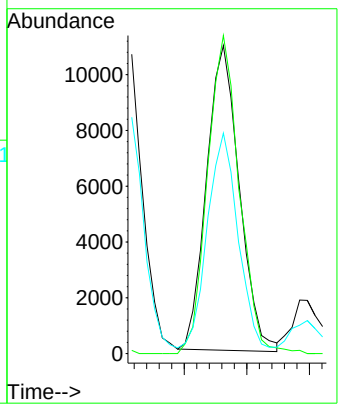
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

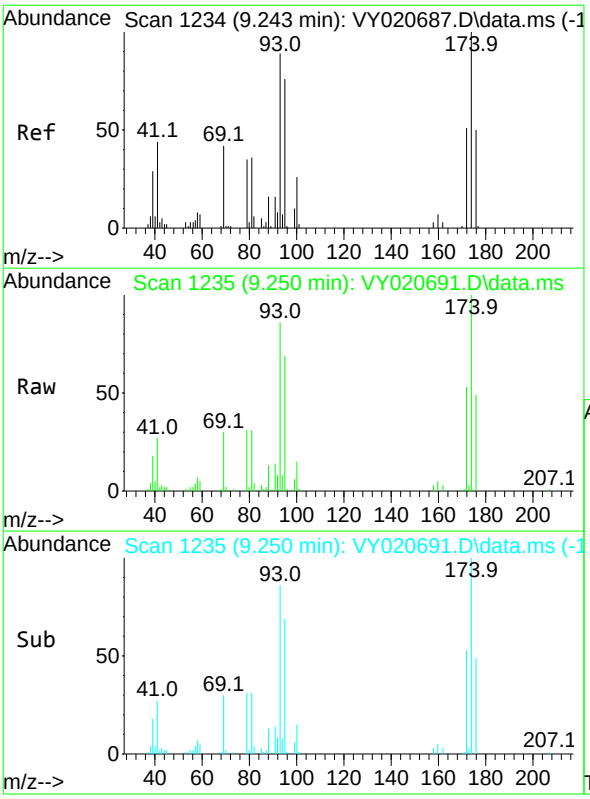


#48
Methyl methacrylate
Concen: 51.742 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 41 Resp: 19879

Ion	Ratio	Lower	Upper
41	100		
69	101.3	67.2	100.8#
39	65.8	42.2	63.4#





#49
1,4-Dioxane
Concen: 926.264 ug/l
RT: 9.250 min Scan# 12
Delta R.T. 0.007 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 88 Resp: 4527

Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.6	41.4
58	54.6	61.7	92.5#

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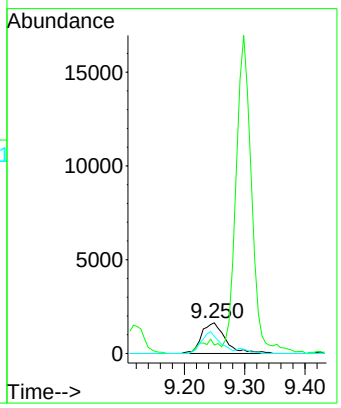
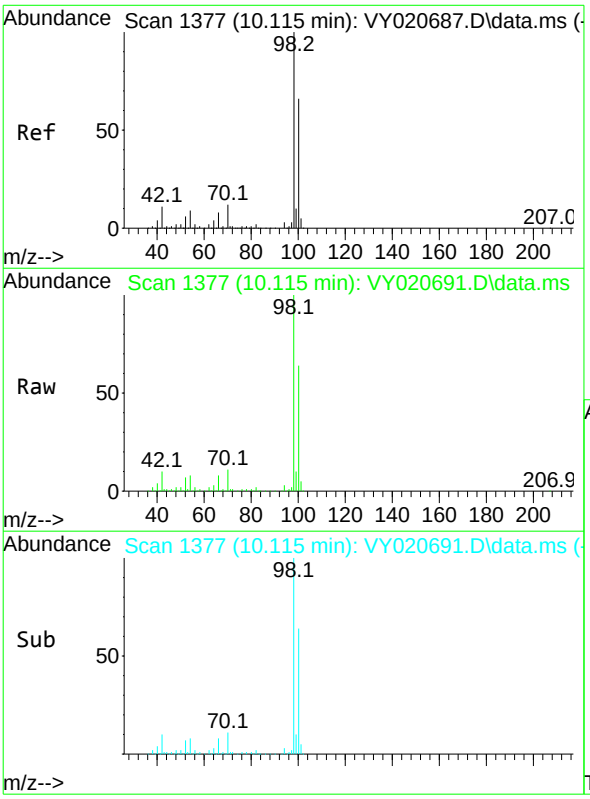
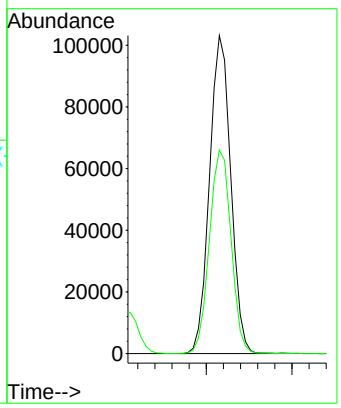


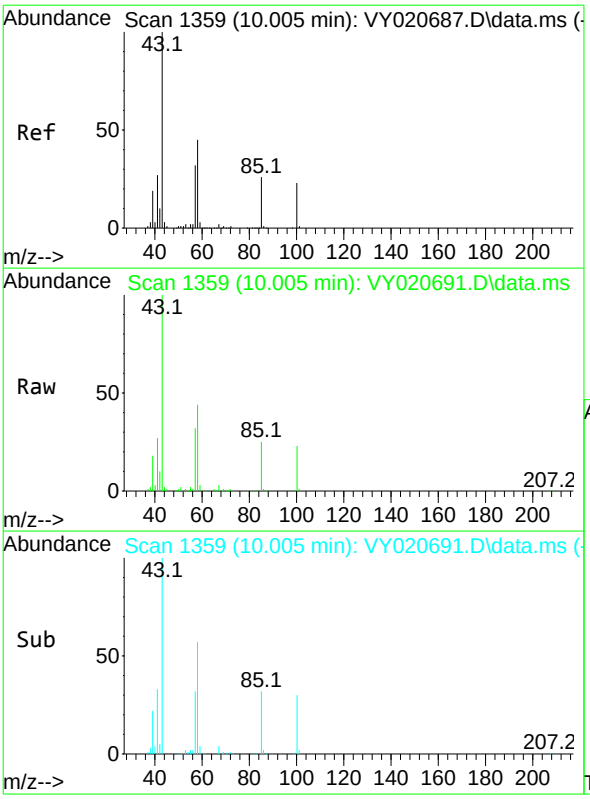


#50
Toluene-d8
Concen: 49.867 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 98 Resp: 177791

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

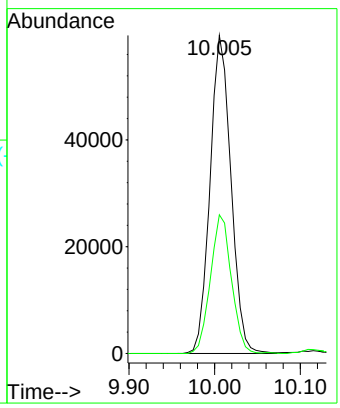




#51
4-Methyl-2-Pentanone
Concen: 249.741 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 101109

Ion	Ratio	Lower	Upper
43	100		
58	43.7	31.4	47.2



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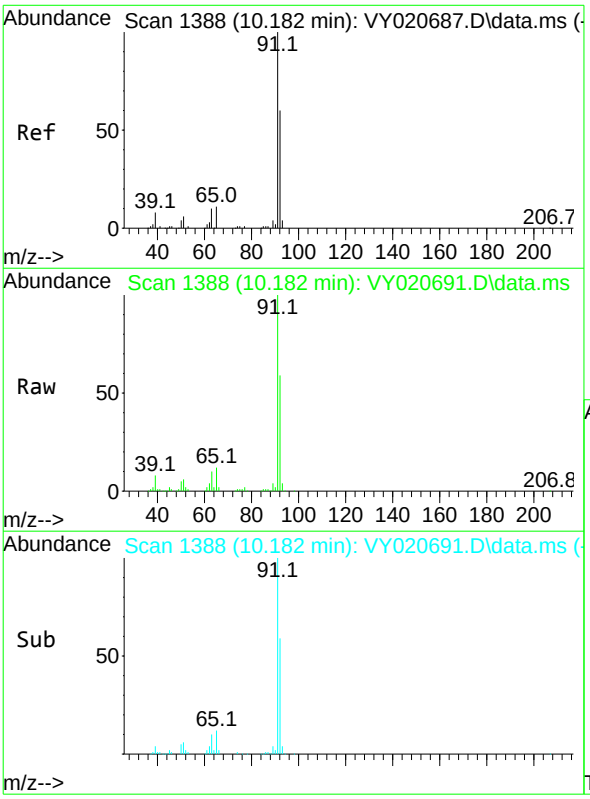
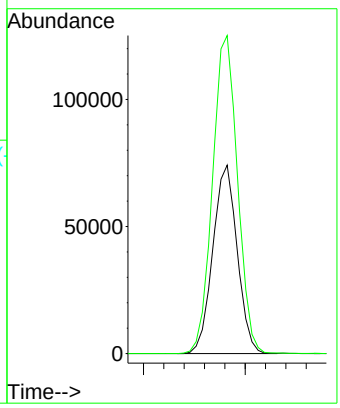
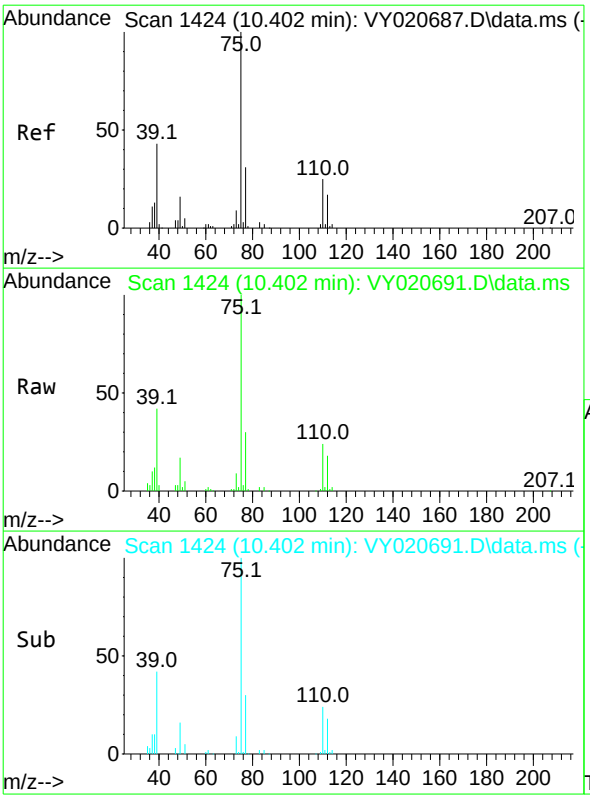


#52
Toluene
Concen: 52.641 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 92 Resp: 123390

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.0

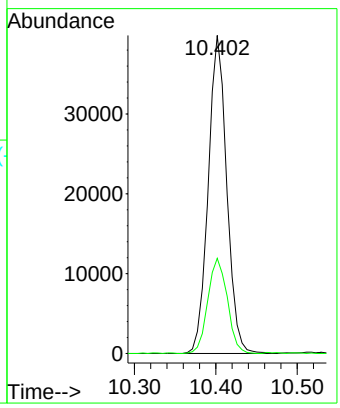




#53
t-1,3-Dichloropropene
Concen: 53.732 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 62970

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.2



Instrument :
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ClientSampleId :
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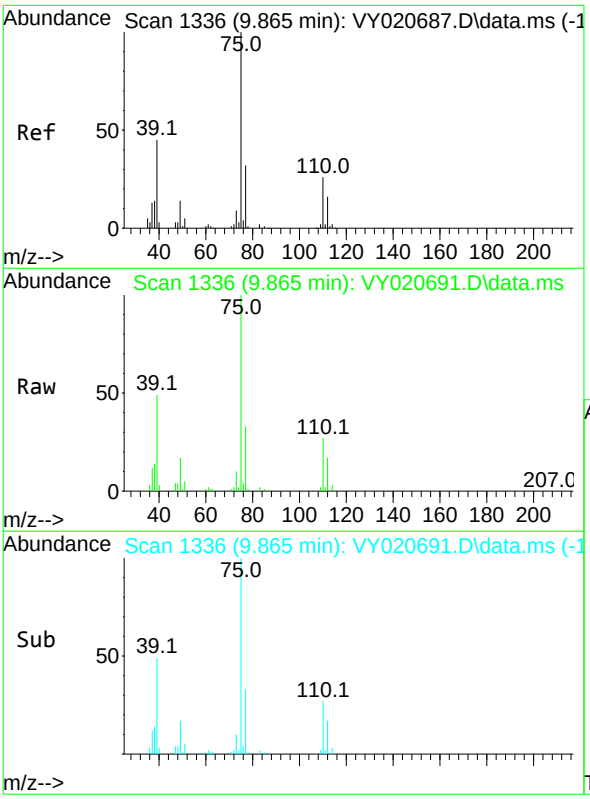
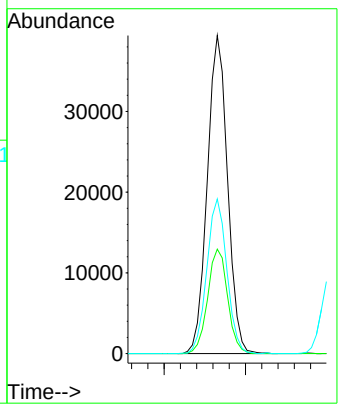
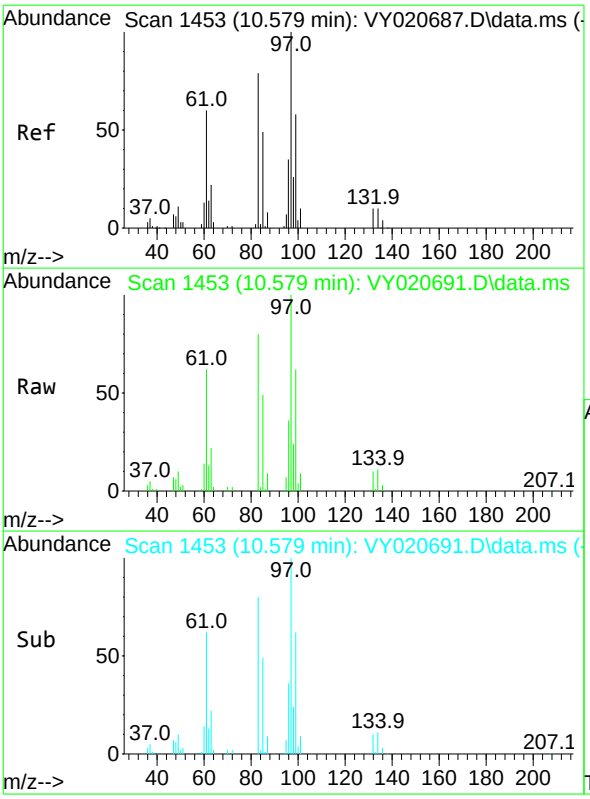


#54
cis-1,3-Dichloropropene
Concen: 52.743 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 68108

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	36.8
39	48.6	36.4	54.6

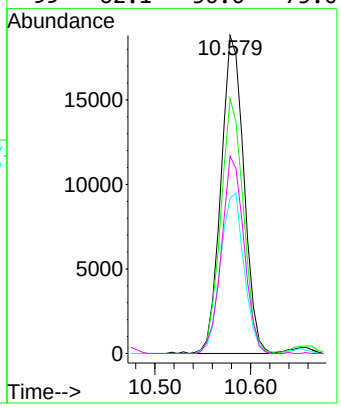




#55
1,1,2-Trichloroethane
Concen: 51.725 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 97 Resp: 31270

Ion	Ratio	Lower	Upper
97	100		
83	80.2	70.4	105.6
85	48.8	47.2	70.8
99	62.1	50.0	75.0



Instrument :
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ClientSampleId :
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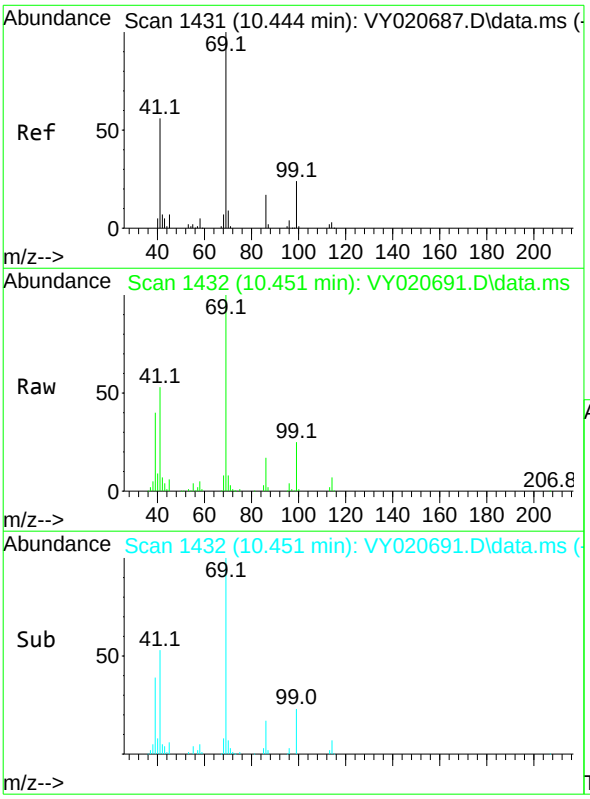
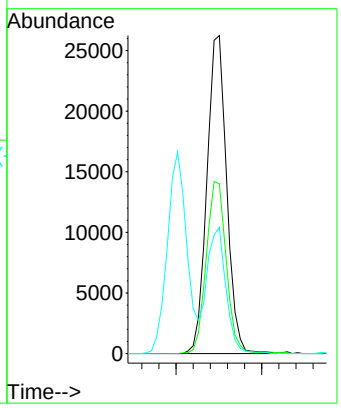
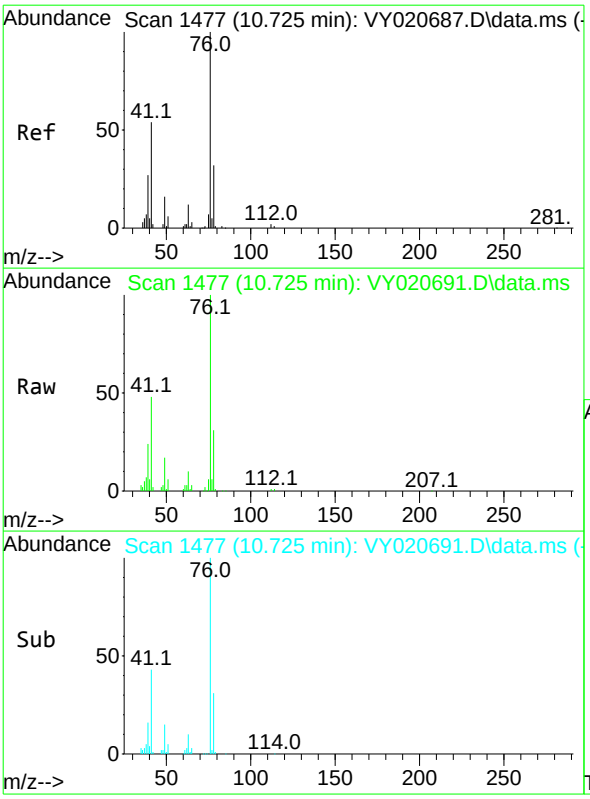


#56
Ethyl methacrylate
Concen: 54.626 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 69 Resp: 42125

Ion	Ratio	Lower	Upper
69	100		
41	54.4	54.0	81.0
39	38.3	27.9	41.9

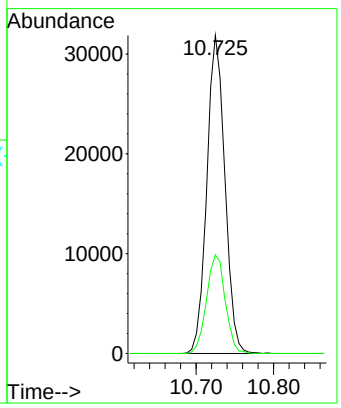




#57
1,3-Dichloropropane
Concen: 52.137 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 76 Resp: 51521

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
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ClientSampleId :
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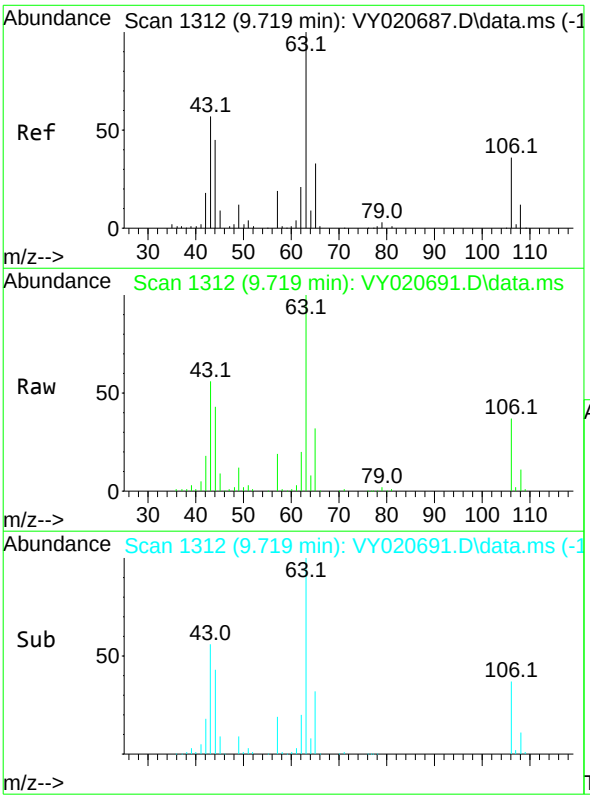
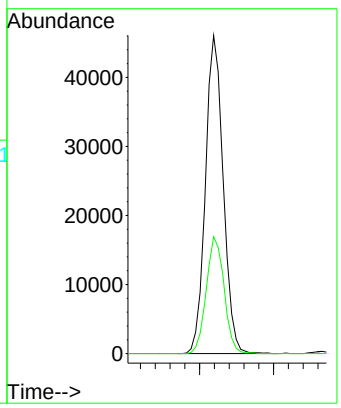
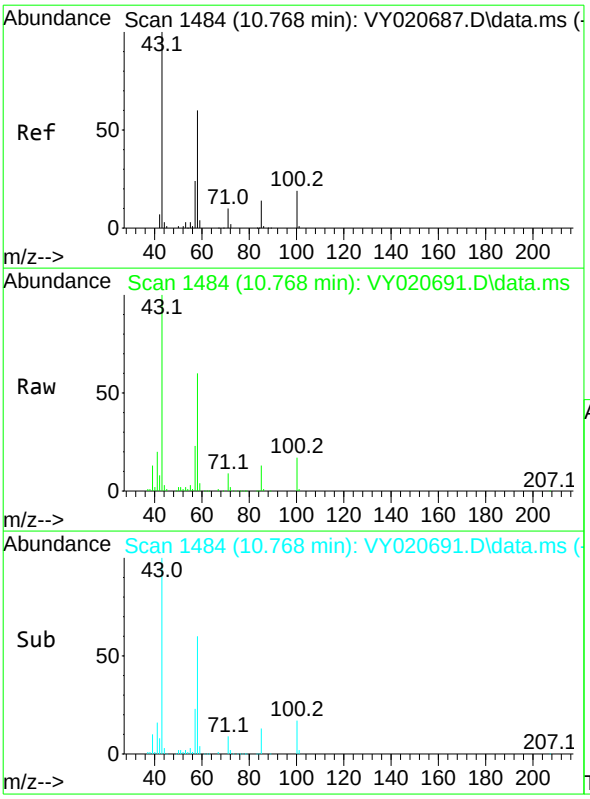


#58
2-Chloroethyl Vinyl ether
Concen: 266.463 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 63 Resp: 76787

Ion	Ratio	Lower	Upper
63	100		
106	36.8	21.5	32.3#





#59
2-Hexanone
Concen: 257.733 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 66464

Ion	Ratio	Lower	Upper
43	100		
58	60.8	27.2	81.6

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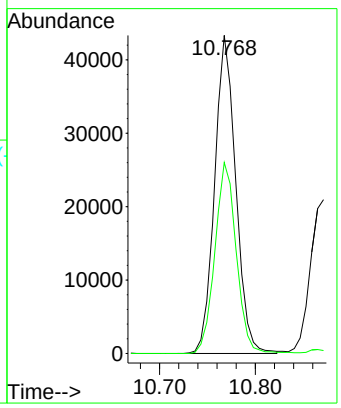
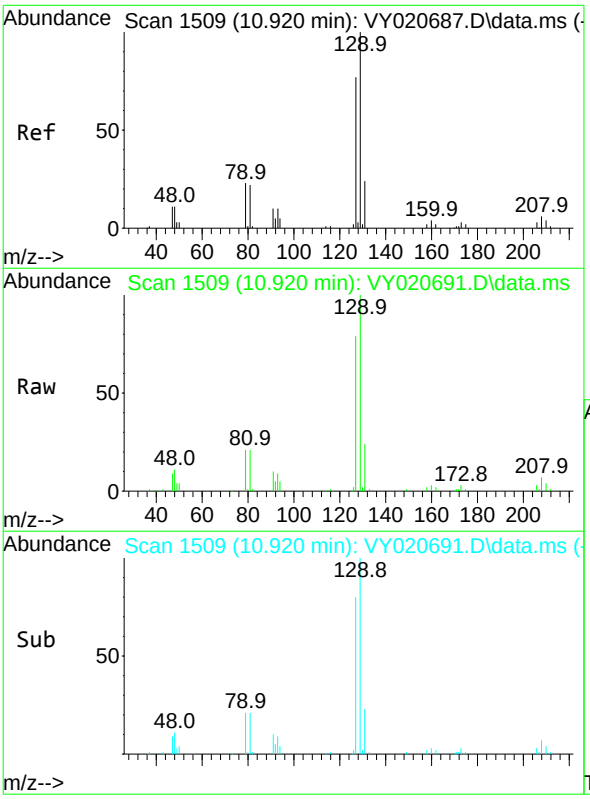
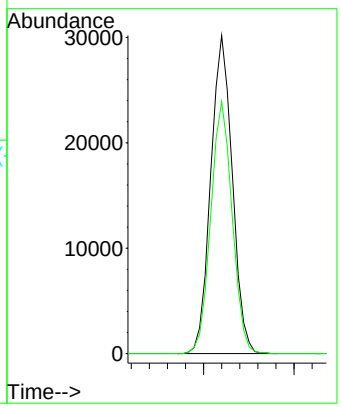


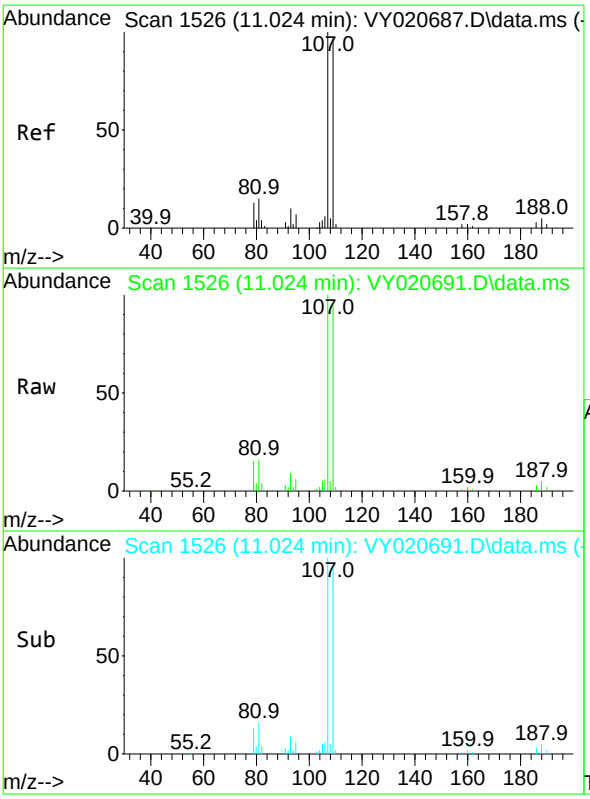


#60
Dibromochloromethane
Concen: 51.738 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:129 Resp: 49937

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.1	114.3





#61
1,2-Dibromoethane
Concen: 52.038 ug/l
RT: 11.024 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:107 Resp: 29492

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

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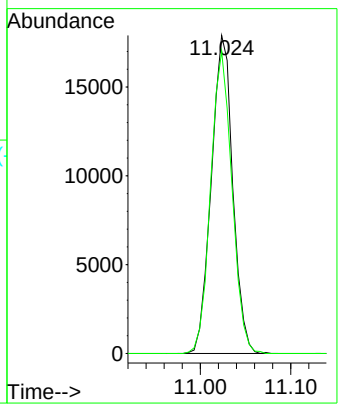
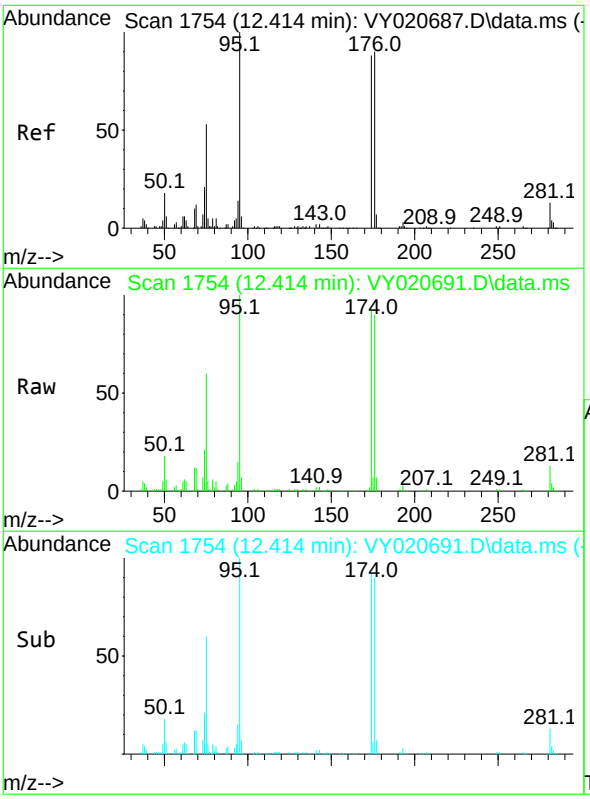
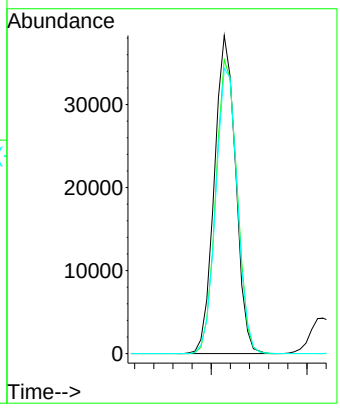


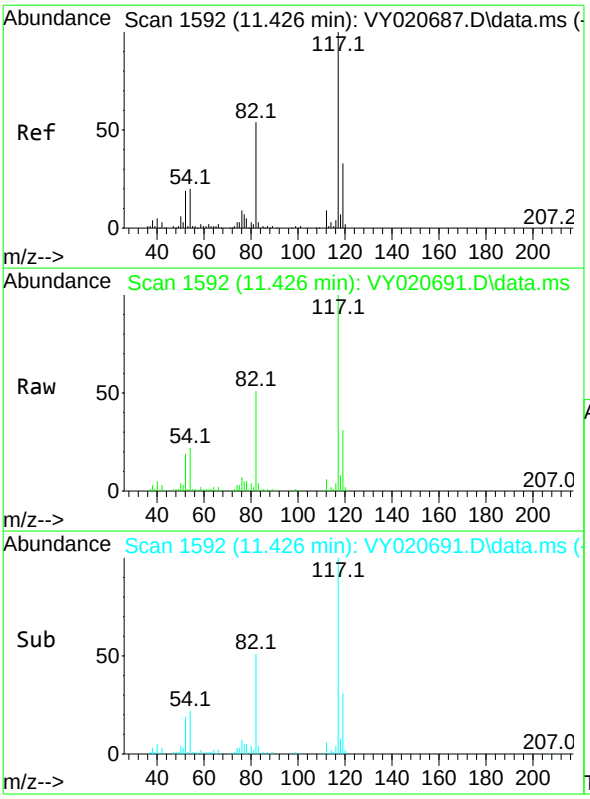


#62
4-Bromofluorobenzene
Concen: 45.571 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 95 Resp: 59136

Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	161.8
176	90.7	0.0	156.6

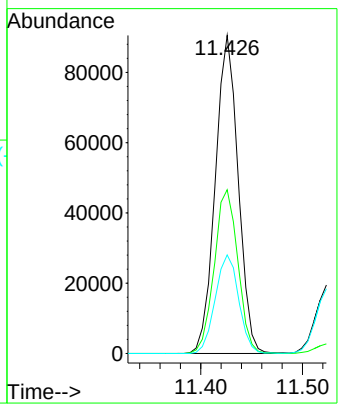




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:117 Resp: 141658

Ion	Ratio	Lower	Upper
117	100		
82	51.5	45.8	68.6
119	31.0	25.3	37.9



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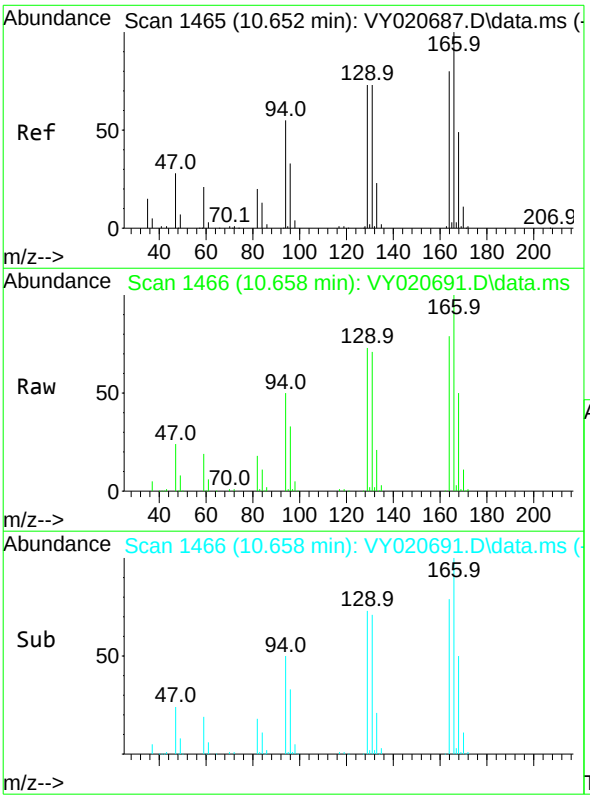
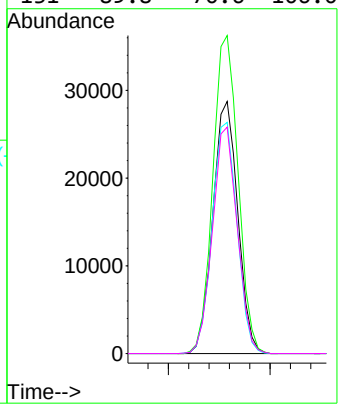
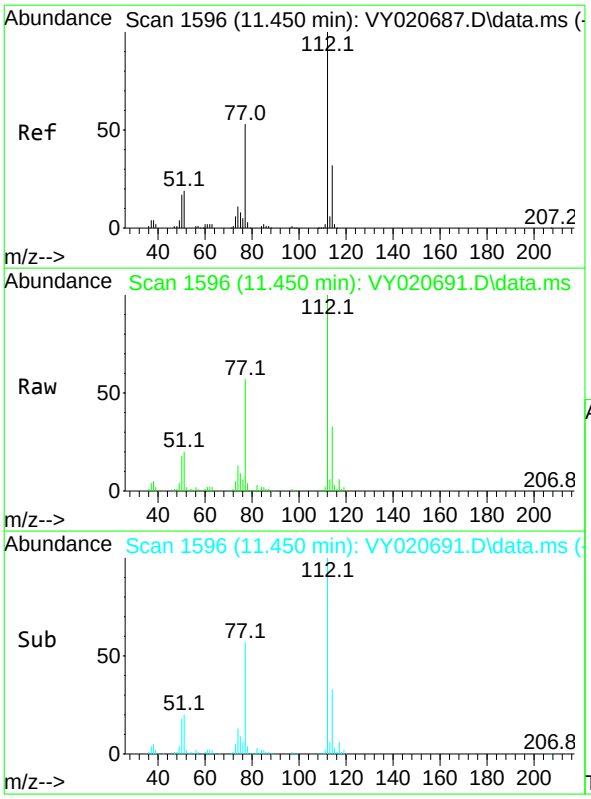


#64
Tetrachloroethene
Concen: 52.019 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:164 Resp: 48939

Ion	Ratio	Lower	Upper
164	100		
166	126.1	97.9	146.9
129	91.7	73.4	110.0
131	89.8	70.6	106.0

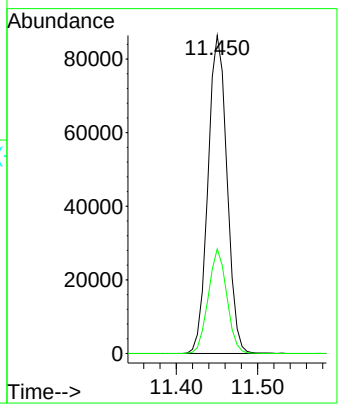




#65
Chlorobenzene
Concen: 52.937 ug/l
RT: 11.450 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:112 Resp: 140132

Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.0	39.0



Instrument :
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ClientSampleId :
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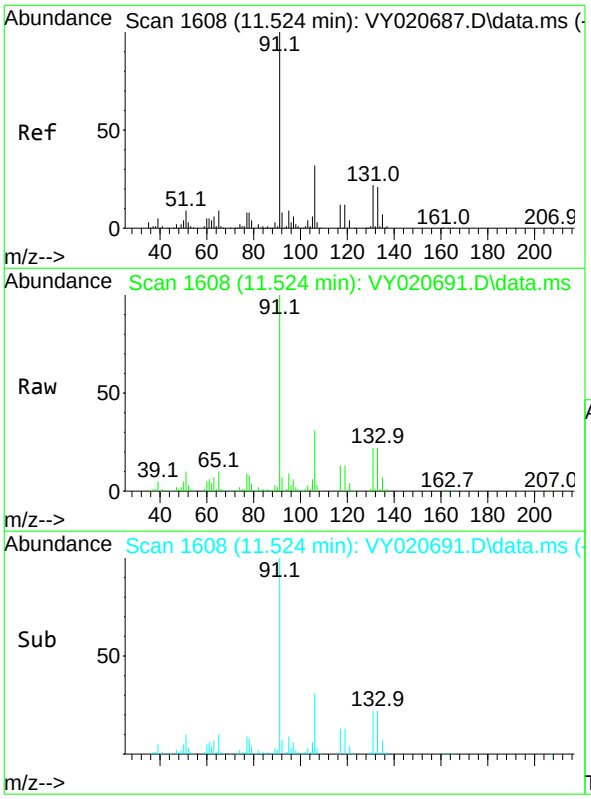
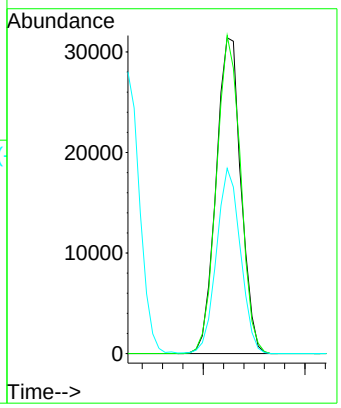
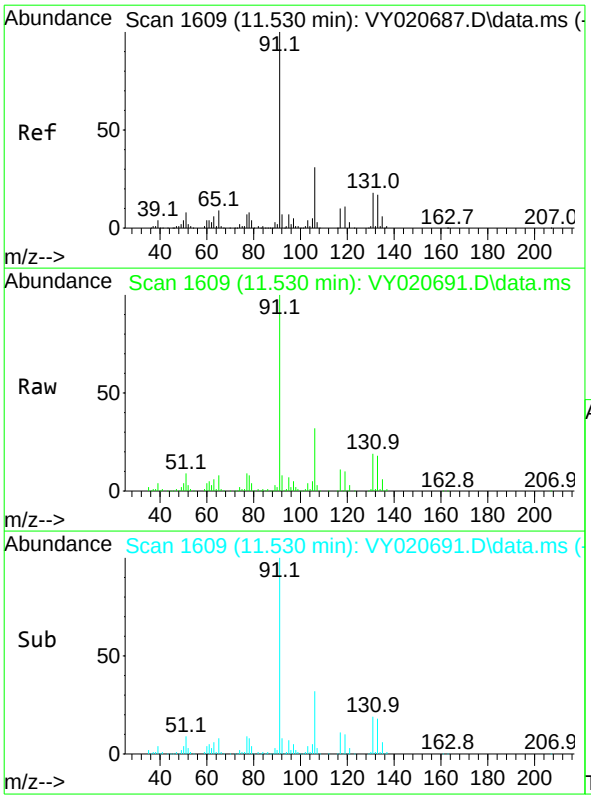


#66
1,1,1,2-Tetrachloroethane
Concen: 51.525 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:131 Resp: 53263

Ion	Ratio	Lower	Upper
131	100		
133	97.9	46.8	140.3
119	56.8	31.8	95.3

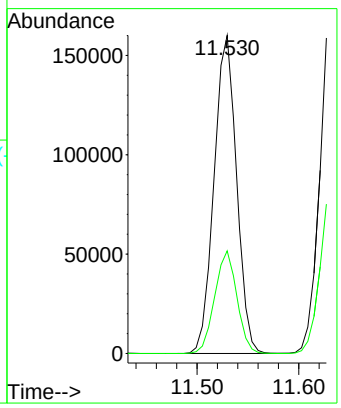




#67
Ethyl Benzene
Concen: 51.841 ug/l
RT: 11.530 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 246210

Ion	Ratio	Lower	Upper
91	100		
106	32.3	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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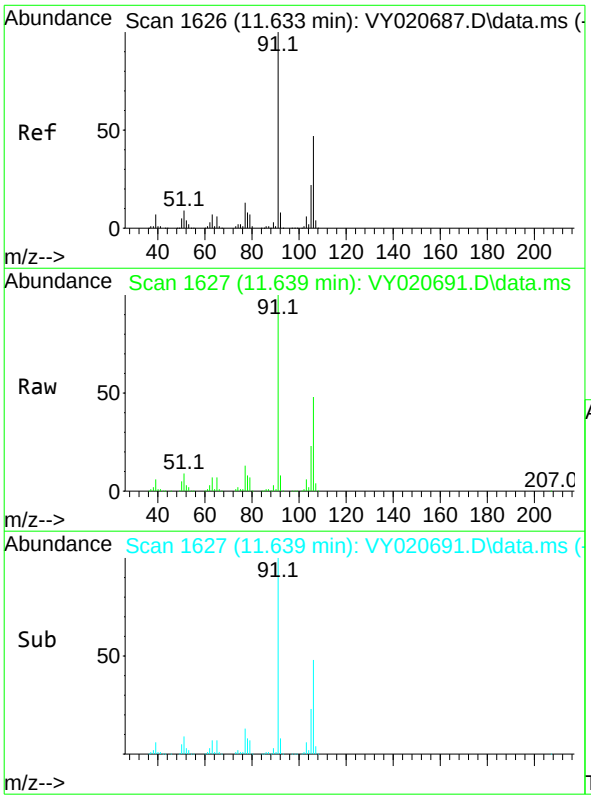
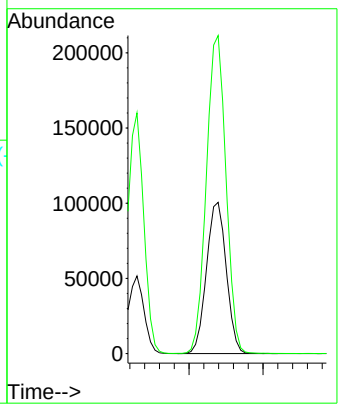
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

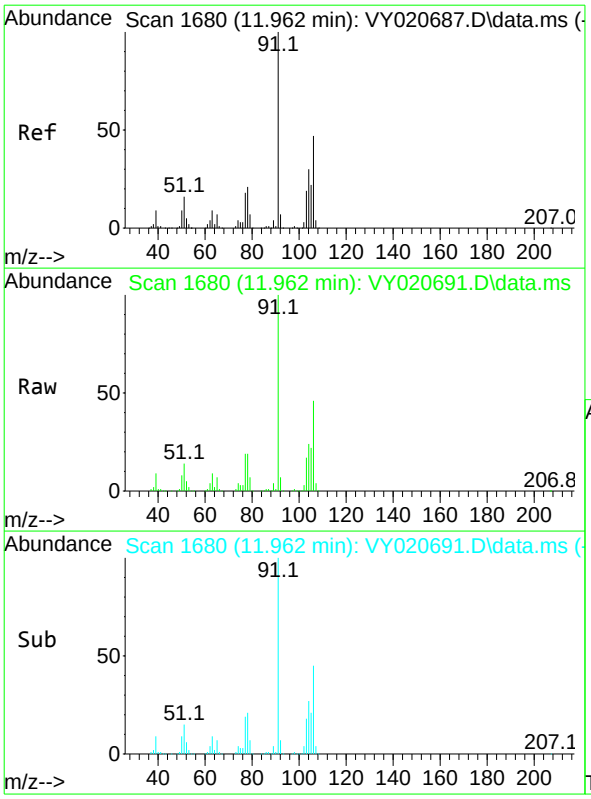


#68
m/p-Xylenes
Concen: 103.259 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:106 Resp: 187007

Ion	Ratio	Lower	Upper
106	100		
91	208.2	165.0	247.4

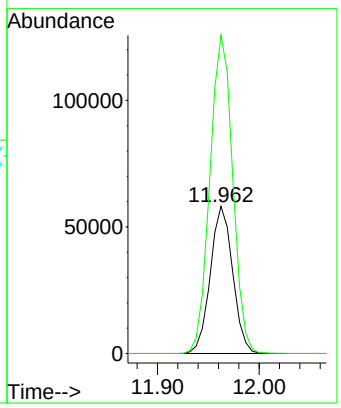




#69
o-Xylene
Concen: 52.237 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:106 Resp: 88867

Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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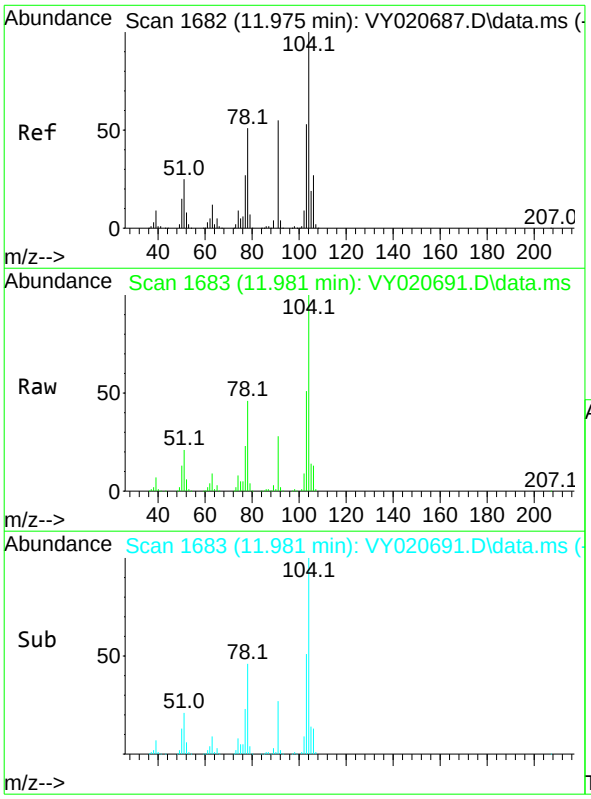
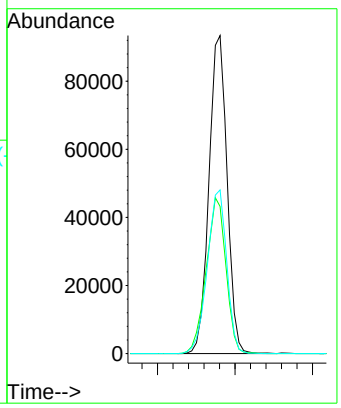
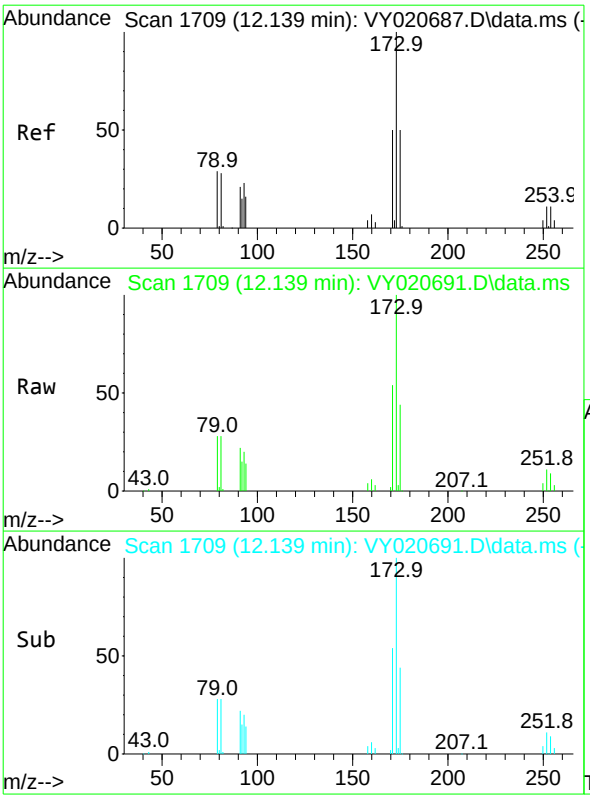


#70
Styrene
Concen: 52.914 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:104 Resp: 151410

Ion	Ratio	Lower	Upper
104	100		
78	53.6	41.6	62.4
103	55.2	43.7	65.5

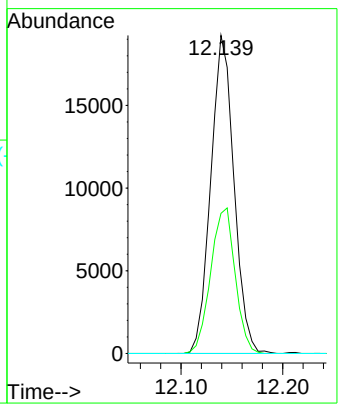




#71
Bromoform
Concen: 51.466 ug/l
RT: 12.139 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:173 Resp: 30473

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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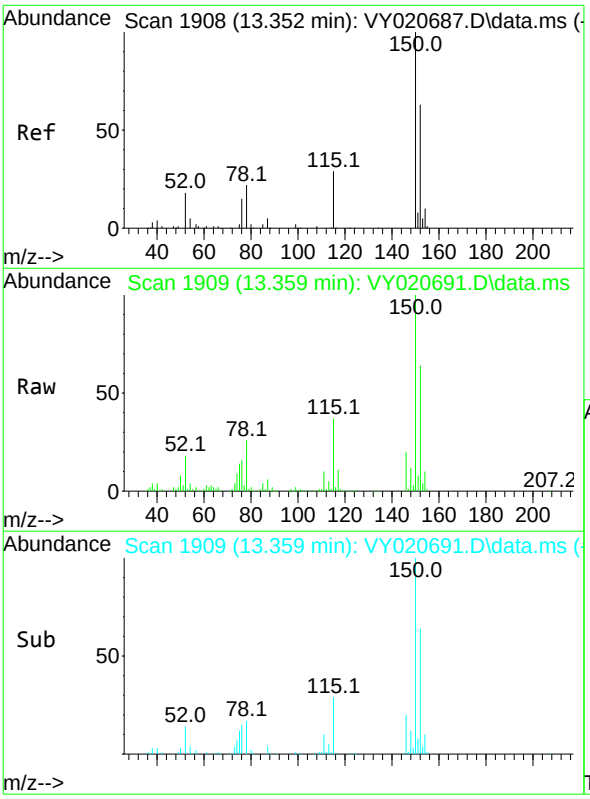
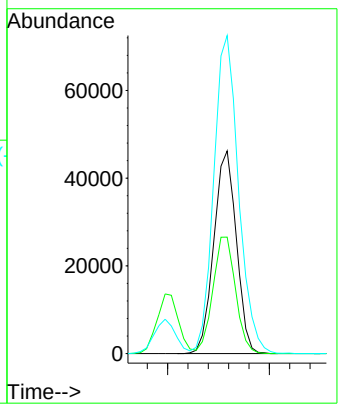
Supervised By :Mahesh Dadoda 12/26/2024

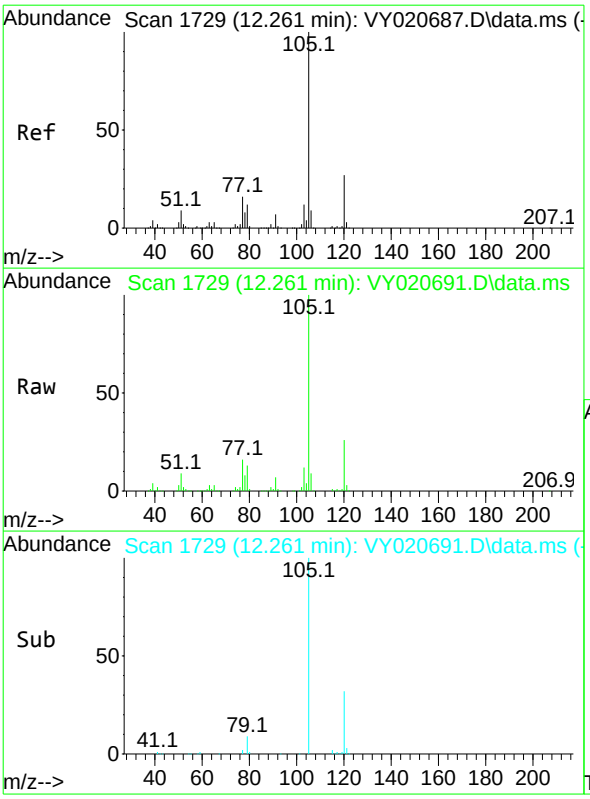


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:152 Resp: 71166

Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.2	90.6
150	172.4	0.0	355.4

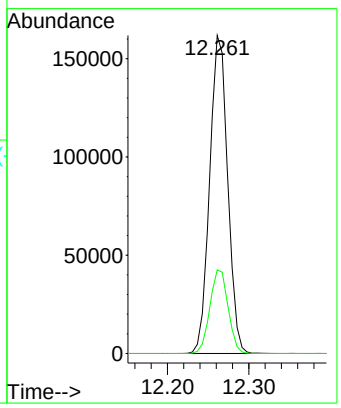




#73
Isopropylbenzene
Concen: 51.364 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 248637

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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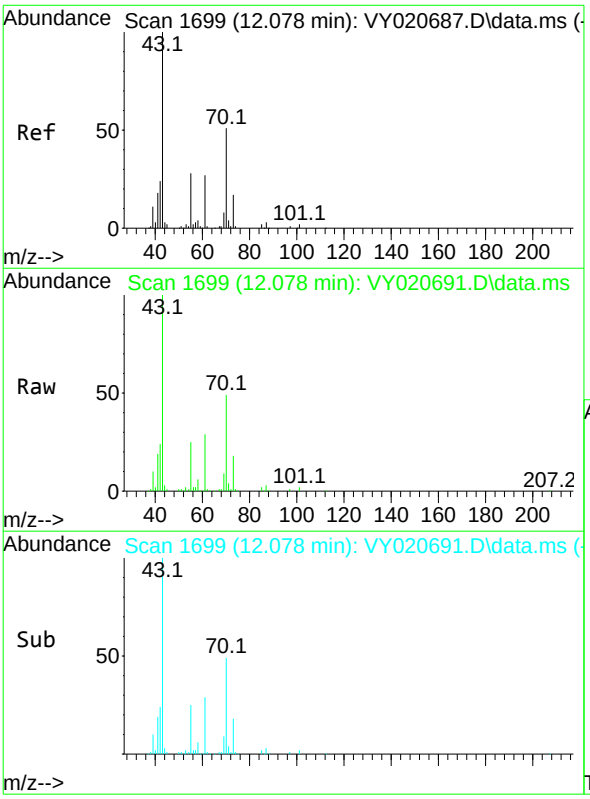
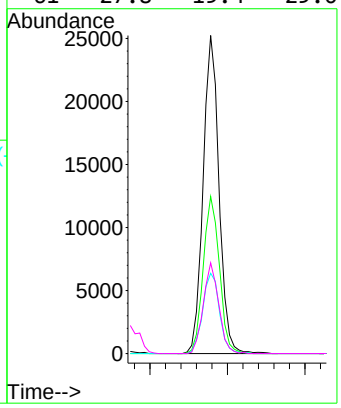
Supervised By :Mahesh Dadoda 12/26/2024

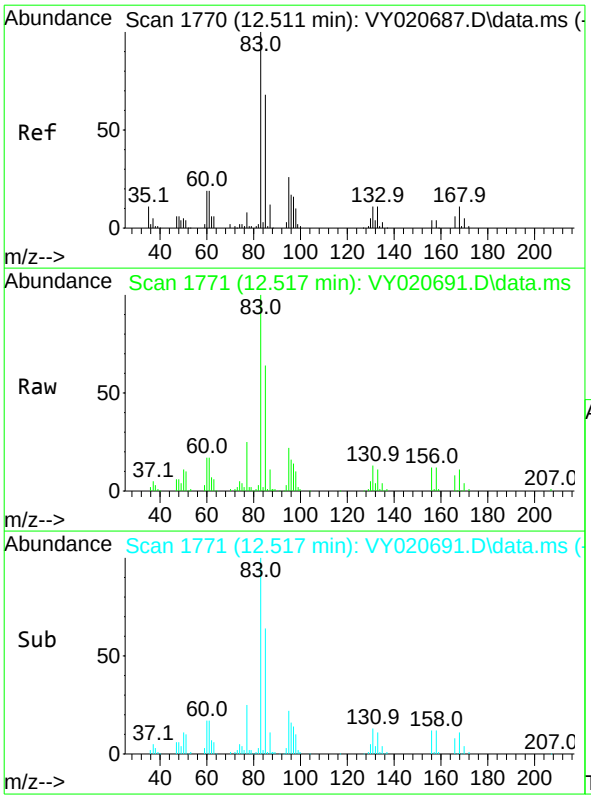


#74
N-amyl acetate
Concen: 52.869 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 35961

Ion	Ratio	Lower	Upper
43	100		
70	50.2	34.2	51.2
55	26.8	19.6	29.4
61	27.8	19.4	29.0

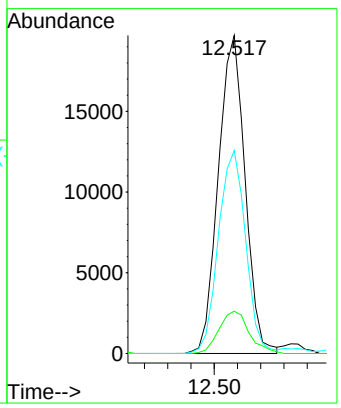




#75
1,1,2,2-Tetrachloroethane
Concen: 50.579 ug/l
RT: 12.517 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 83 Resp: 31507

Ion	Ratio	Lower	Upper
83	100		
131	15.0	5.2	15.6
85	65.0	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

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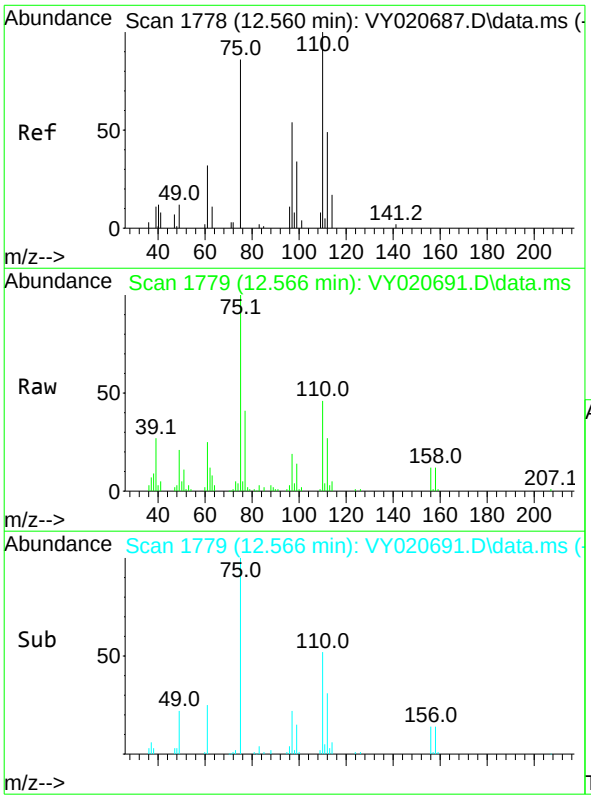
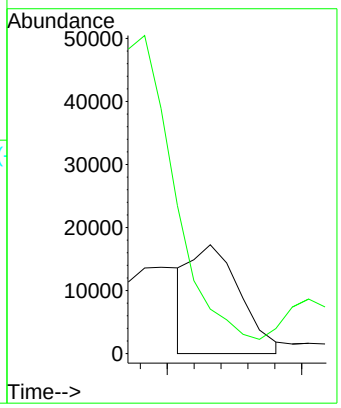
Supervised By :Mahesh Dadoda 12/26/2024

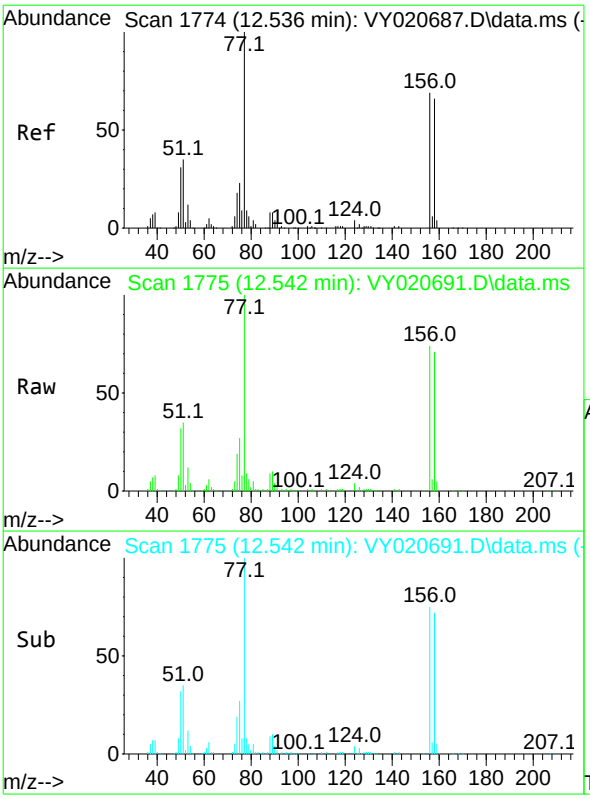


#76
1,2,3-Trichloropropane
Concen: 45.368 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 22266

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 51.722 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:156 Resp: 57012

Ion	Ratio	Lower	Upper
156	100		
77	156.5	94.2	282.4
158	97.6	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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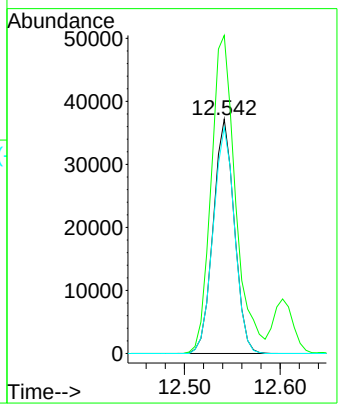
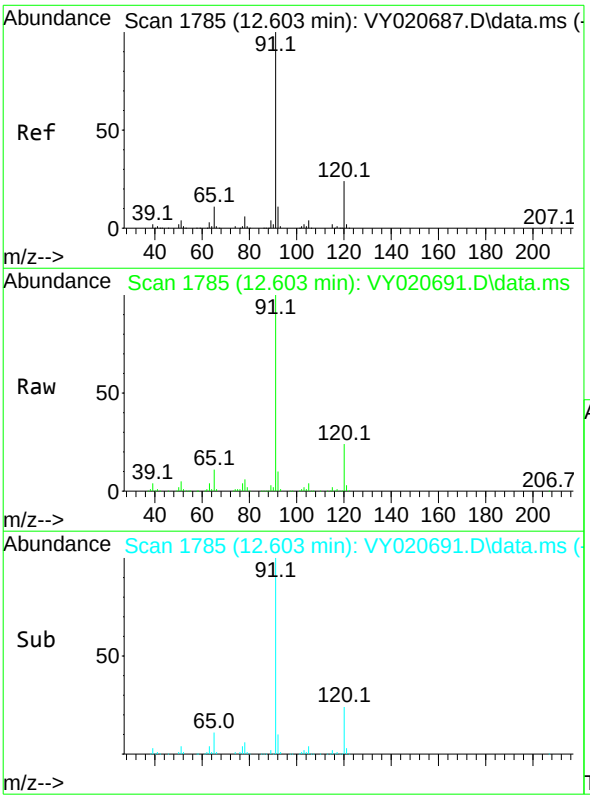
Supervised By :Mahesh Dadoda 12/26/2024

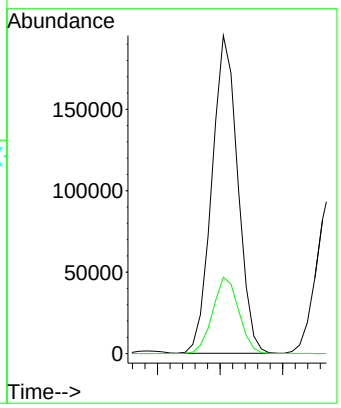


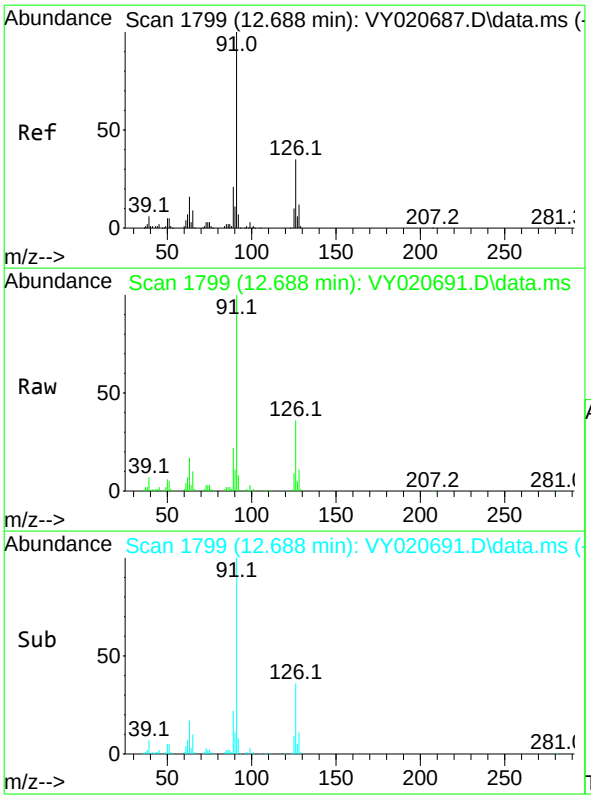


#78
n-propylbenzene
Concen: 51.350 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 280237

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 51.267 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 159275

Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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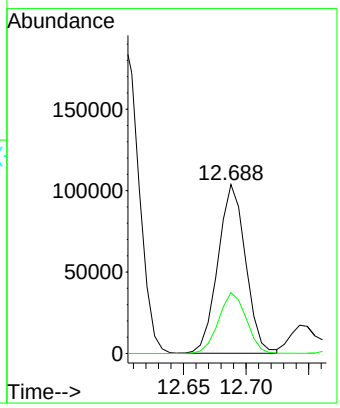
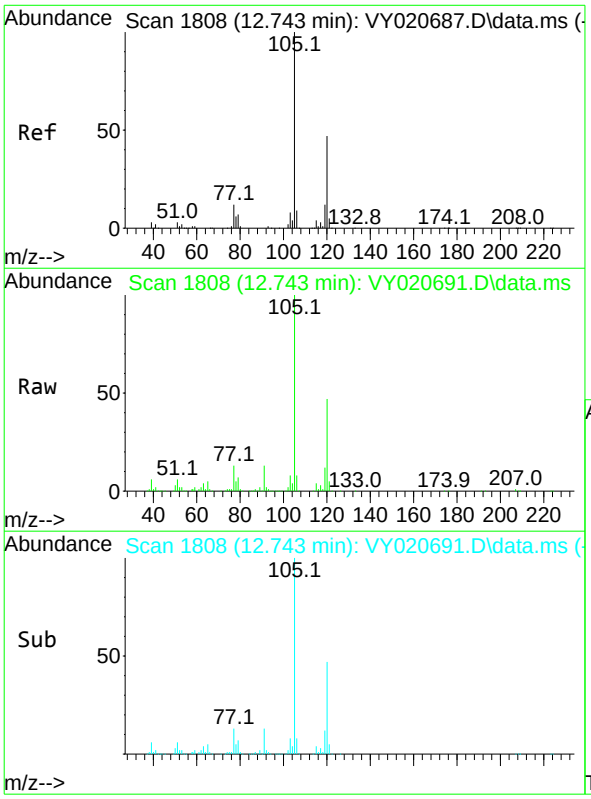
Supervised By :Mahesh Dadoda 12/26/2024

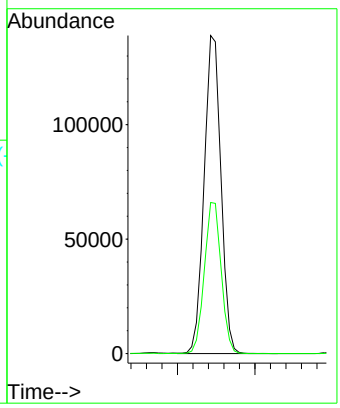


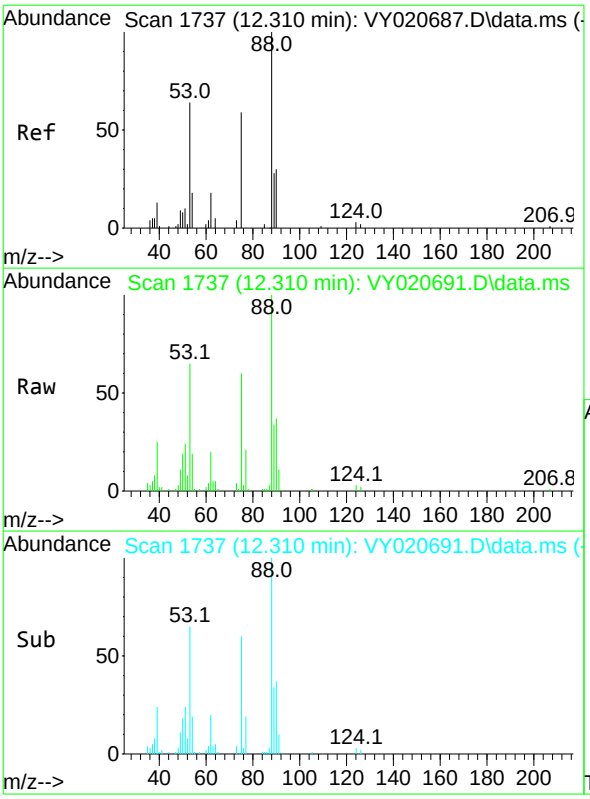


#80
1,3,5-Trimethylbenzene
Concen: 52.166 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 209445

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 49.292 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 11129

Ion	Ratio	Lower	Upper
75	100		
53	103.0	75.4	113.2
89	54.2	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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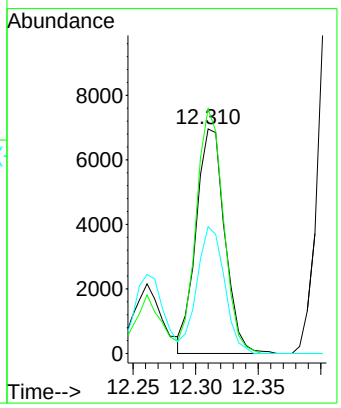
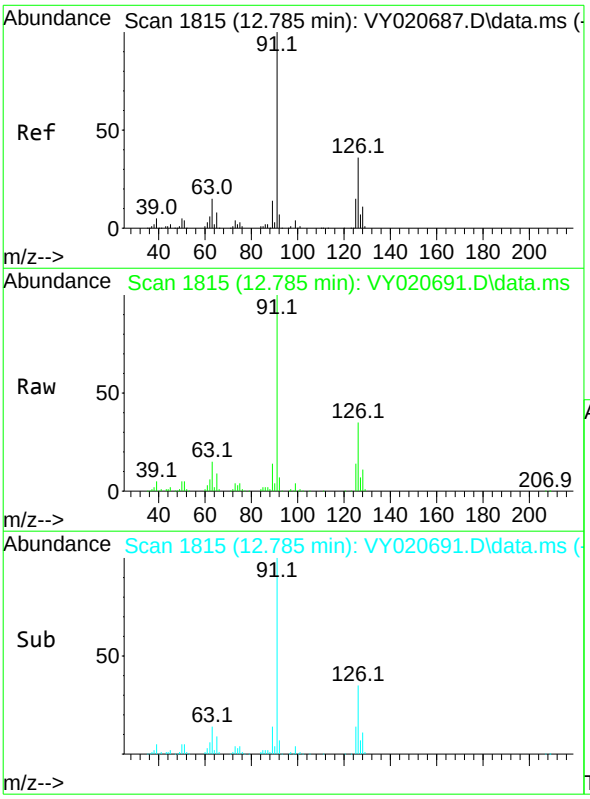
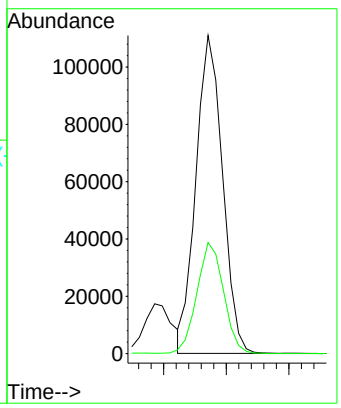


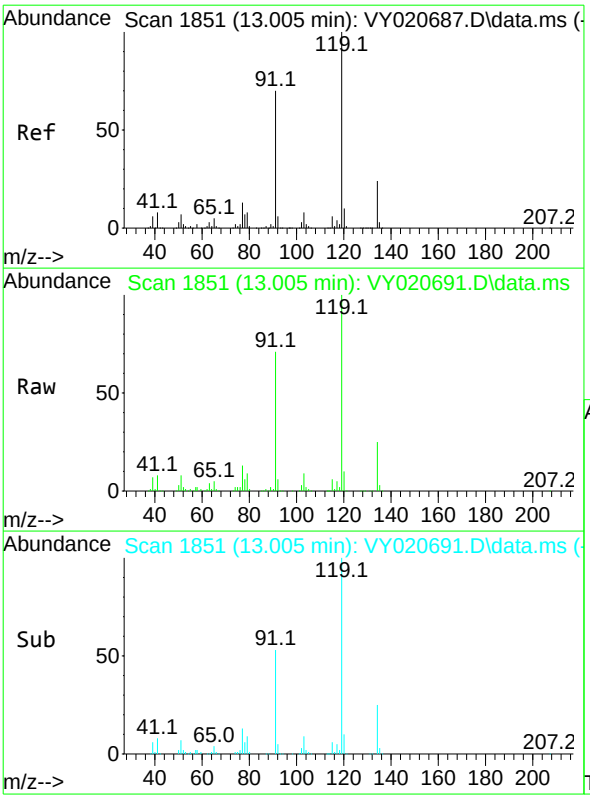


#82
4-Chlorotoluene
Concen: 51.687 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 163776

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.6	49.7





#83
tert-Butylbenzene
Concen: 51.113 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:119 Resp: 190947

Ion	Ratio	Lower	Upper
119	100		
91	68.5	32.9	98.6
134	26.9	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/26/2024
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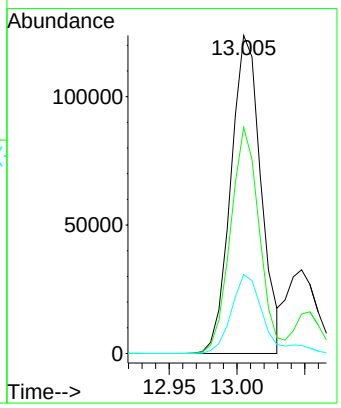
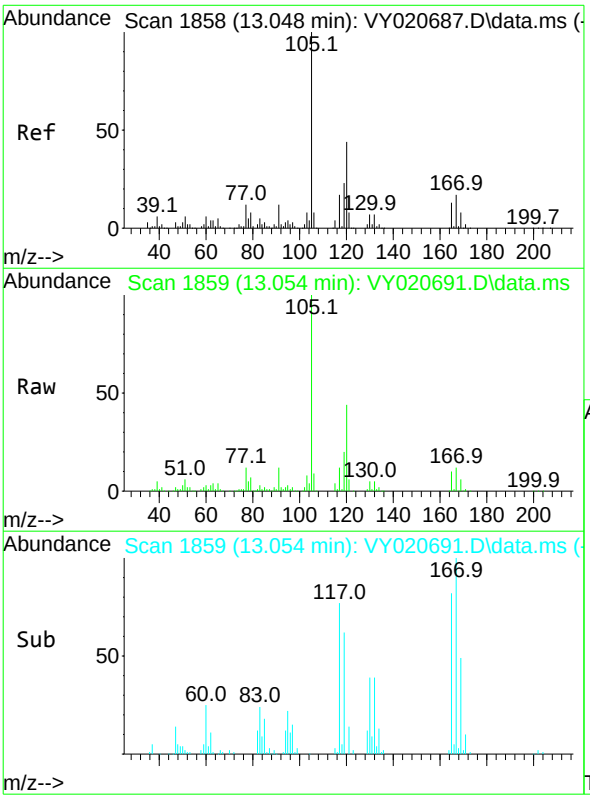
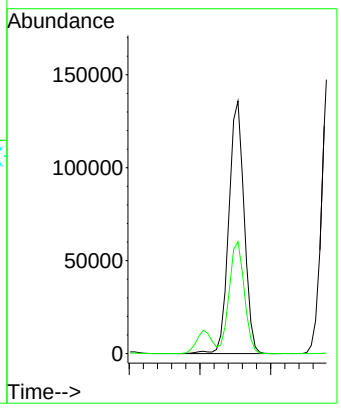


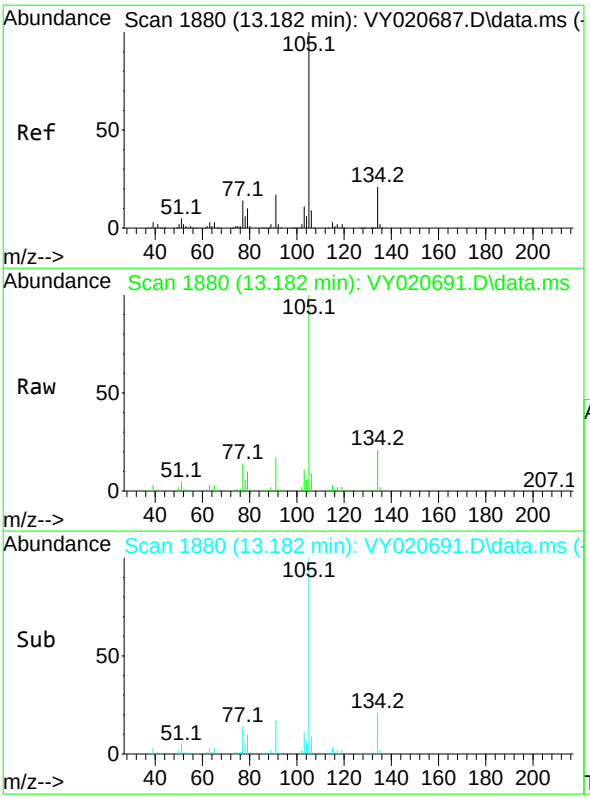


#84
1,2,4-Trimethylbenzene
Concen: 52.000 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 203948

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4

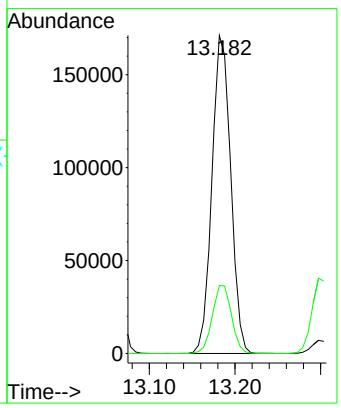




#85
sec-Butylbenzene
Concen: 51.742 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 260272

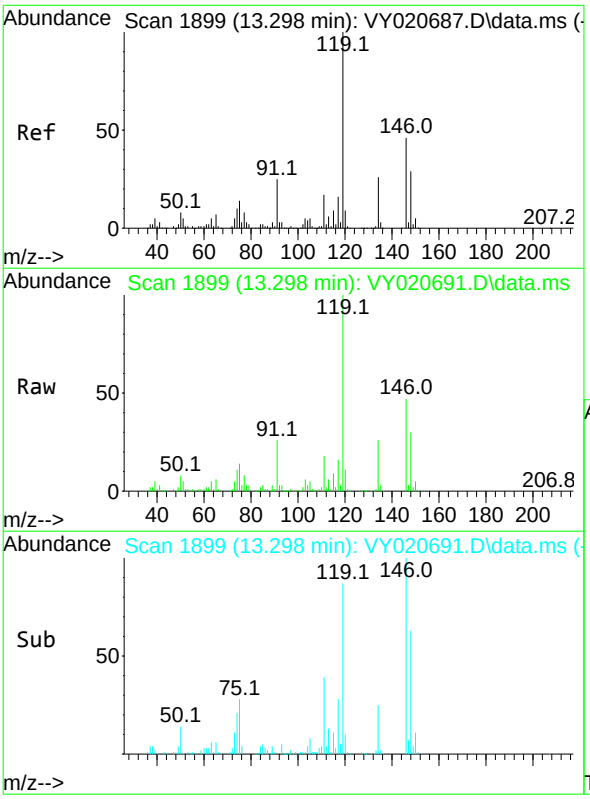
Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

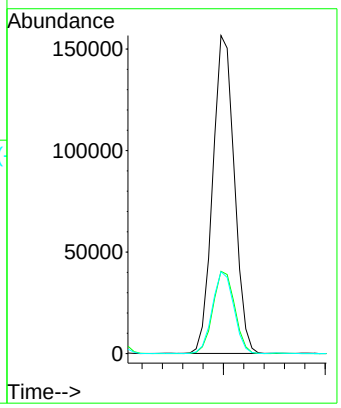
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

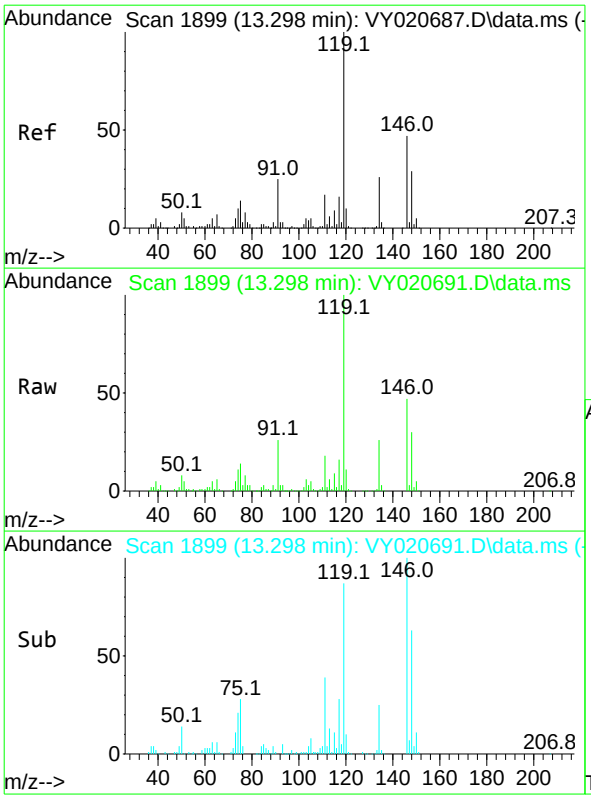


#86
p-Isopropyltoluene
Concen: 52.390 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:119 Resp: 230395

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.6	12.1	36.3

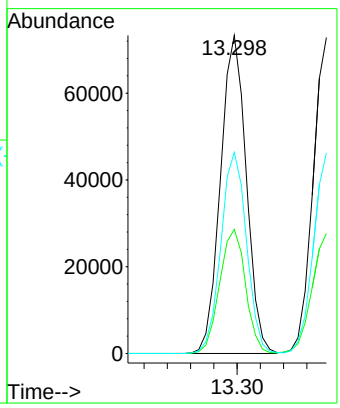




#87
1,3-Dichlorobenzene
Concen: 52.766 ug/l
RT: 13.298 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:146 Resp: 112990

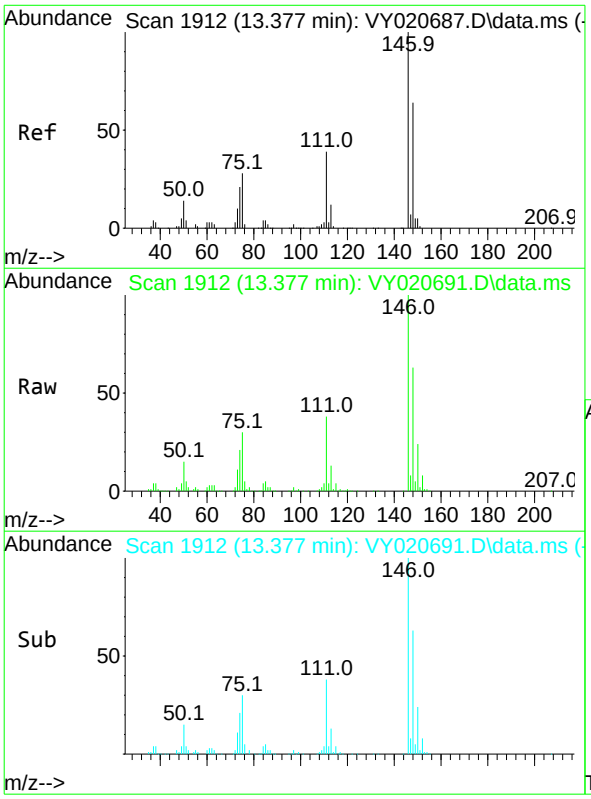
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.6	61.8
148	62.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

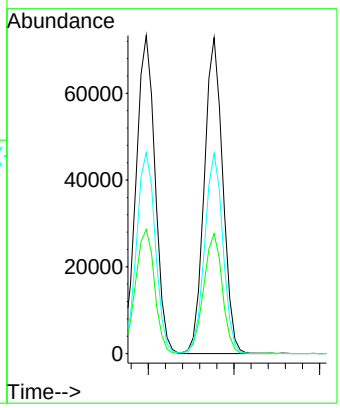
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

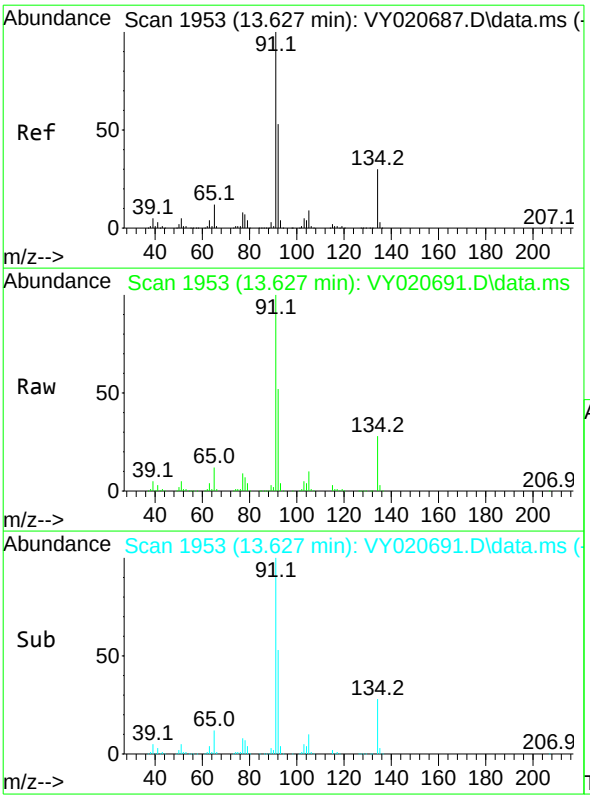


#88
1,4-Dichlorobenzene
Concen: 52.057 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:146 Resp: 109214

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	62.8	31.9	95.5

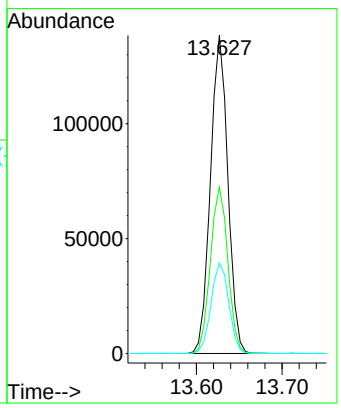




#89
n-Butylbenzene
Concen: 52.674 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 195149

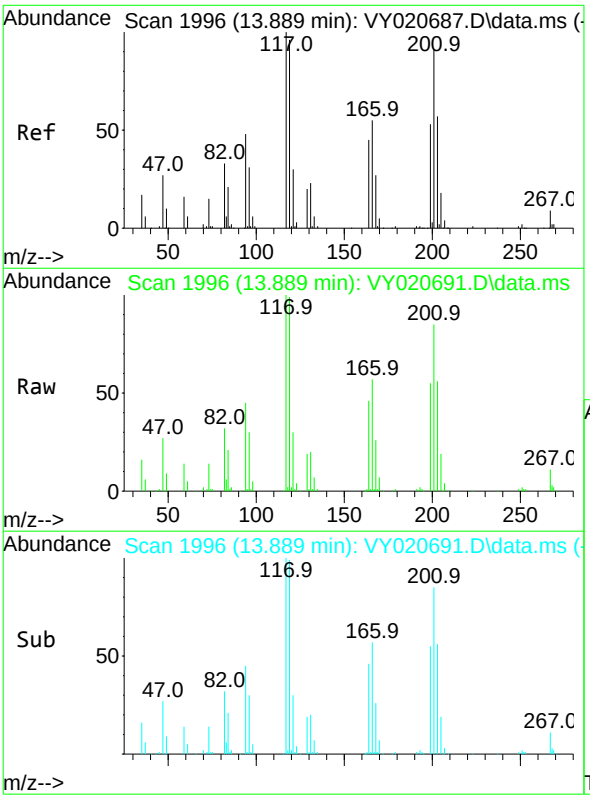
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	29.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

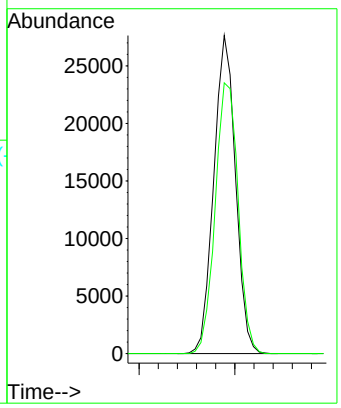
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

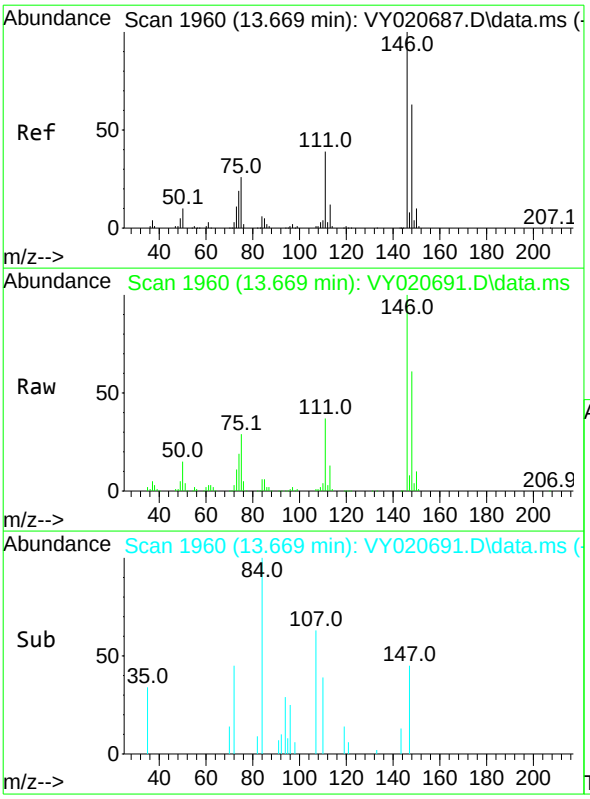


#90
Hexachloroethane
Concen: 52.306 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:117 Resp: 43638

Ion	Ratio	Lower	Upper
117	100		
201	89.6	39.1	117.3

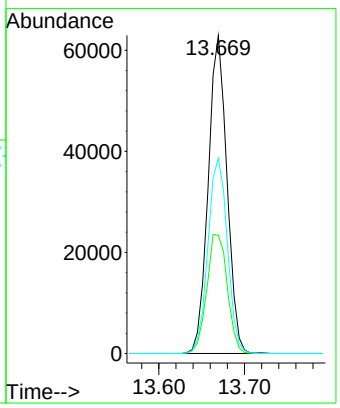




#91
1,2-Dichlorobenzene
Concen: 52.069 ug/l
RT: 13.669 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:146 Resp: 95689

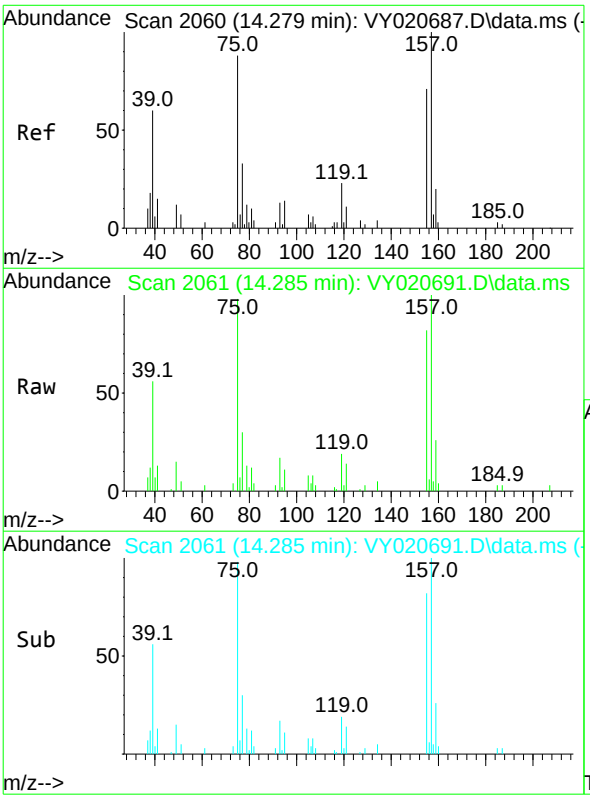
Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

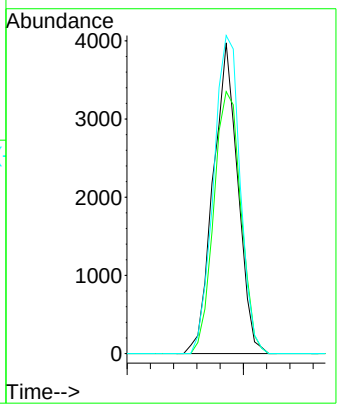
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

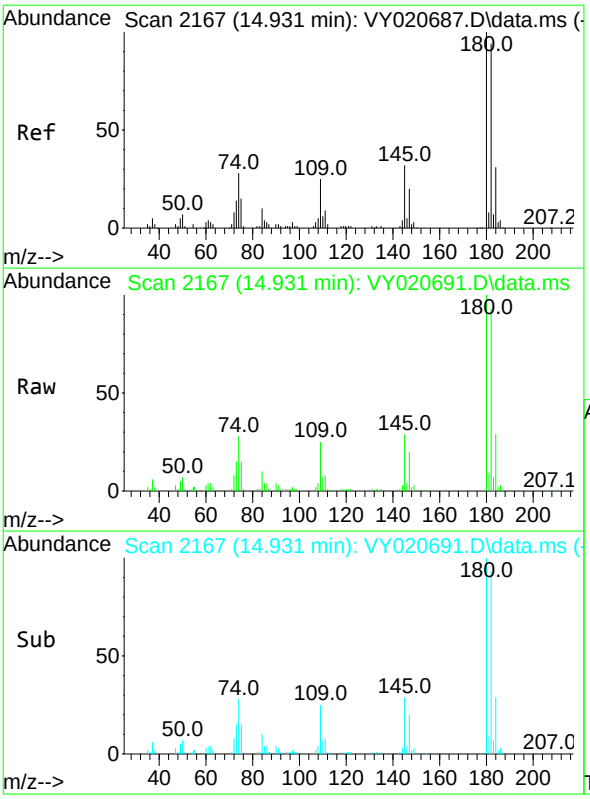


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.369 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 5860

Ion	Ratio	Lower	Upper
75	100		
155	92.6	41.1	123.3
157	110.1	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 55.512 ug/l
RT: 14.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

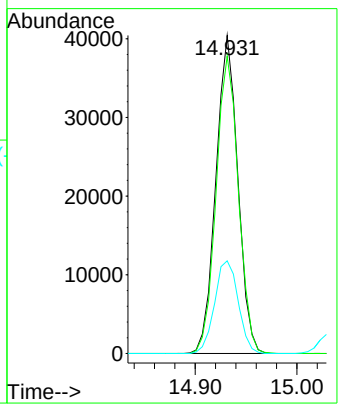
Tgt Ion:180 Resp: 60565

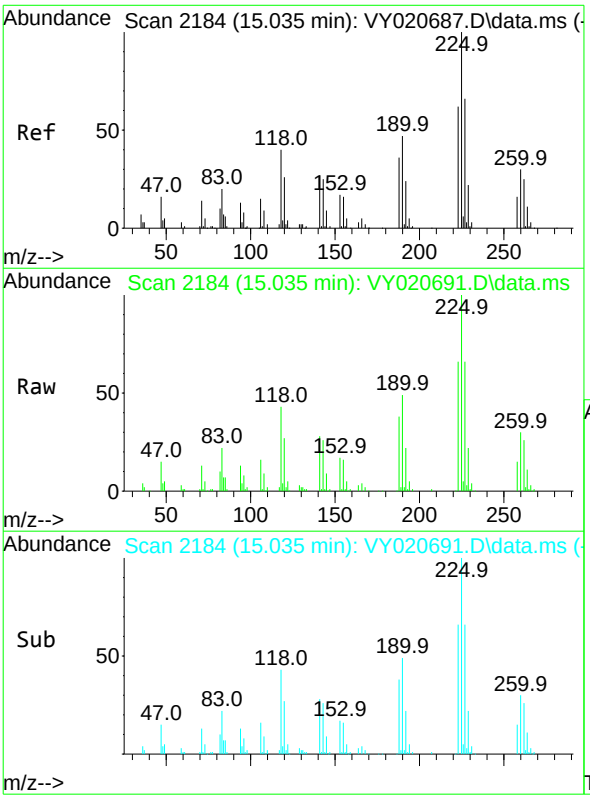
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	31.3	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

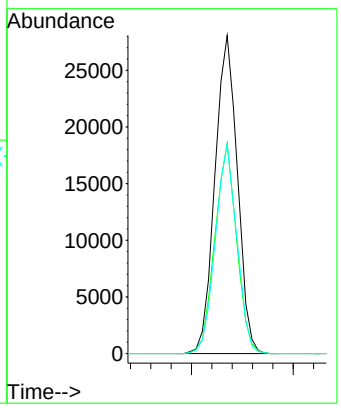


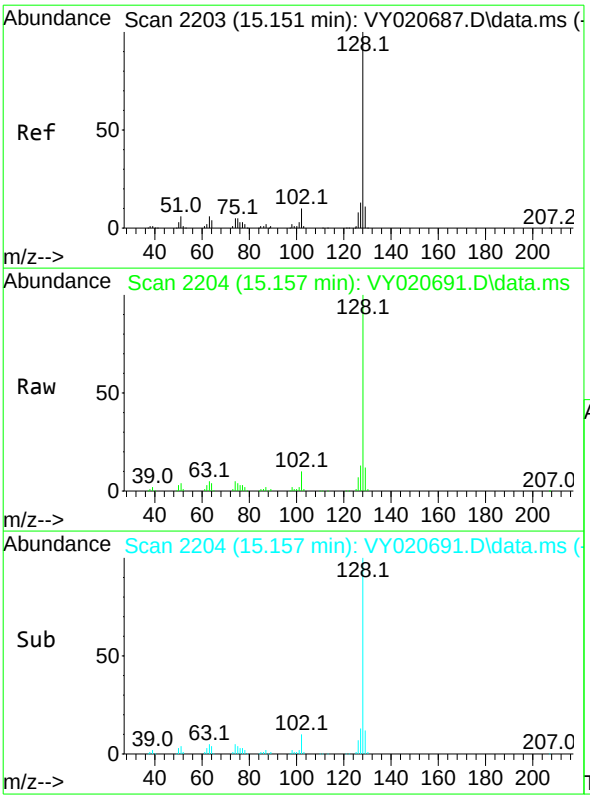


#94
Hexachlorobutadiene
Concen: 53.025 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:225 Resp: 43075

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.3
227	62.9	32.2	96.6

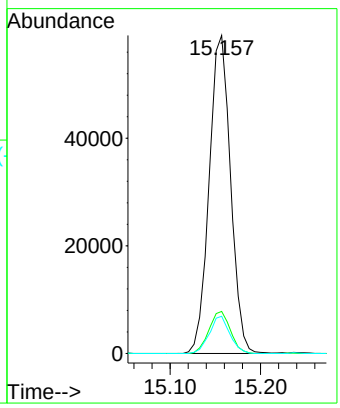




#95
Naphthalene
Concen: 48.290 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:128 Resp: 97309

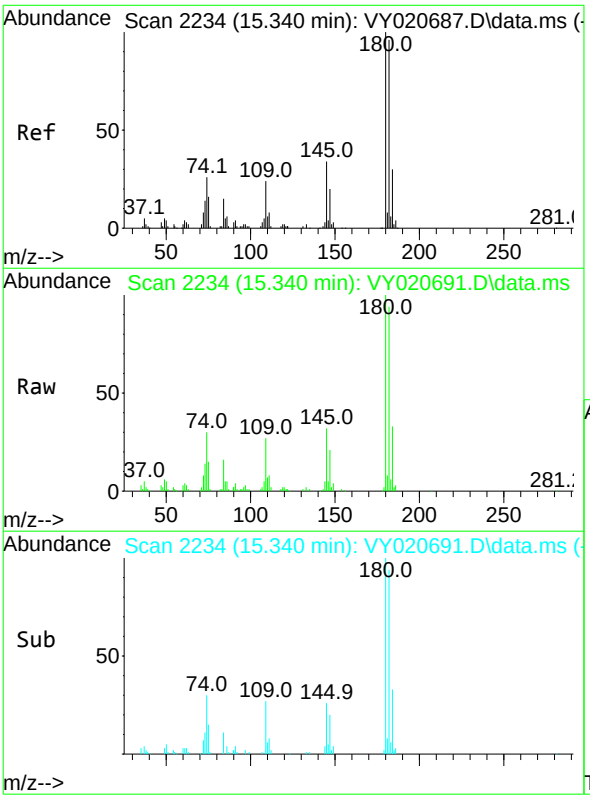
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.2	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Manual Integrations
APPROVED

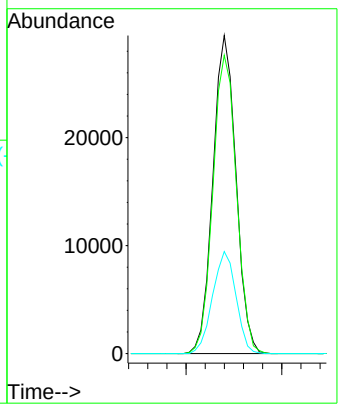
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 54.067 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:180 Resp: 49317

Ion	Ratio	Lower	Upper
180	100		
182	95.6	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\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	118	0.00
2	T	Dichlorodifluoromethane	0.385	0.390	-1.3	109	0.00
3	P	Chloromethane	0.157	0.161	-2.5	109	0.00
4	C	Vinyl Chloride	0.191	0.202	-5.8#	113	0.00
5	T	Bromomethane	0.135	0.153	-13.3	121	0.00
6	T	Chloroethane	0.116	0.124	-6.9	115	0.00
7	T	Trichlorofluoromethane	0.688	0.706	-2.6	109	0.00
8	T	Diethyl Ether	0.165	0.172	-4.2	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.376	0.373	0.8	107	0.00
10	T	Methyl Iodide	0.433	0.461	-6.5	109	0.00
11	T	Tert butyl alcohol	0.035	0.024	31.4#	88	0.01
12	CM	1,1-Dichloroethene	0.333	0.347	-4.2#	111	0.00
13	T	Acrolein	0.009	0.006	33.3#	92	0.00
14	T	Allyl chloride	0.391	0.416	-6.4	114	0.00
15	T	Acrylonitrile	0.061	0.062	-1.6	98	0.00
16	T	Acetone	0.051	0.047	7.8	95	0.00
17	T	Carbon Disulfide	0.831	0.903	-8.7	109	0.00
18	T	Methyl Acetate	0.131	0.136	-3.8	95	0.00
19	T	Methyl tert-butyl Ether	0.907	0.946	-4.3	108	0.00
20	T	Methylene Chloride	0.337	0.348	-3.3	112	0.00
21	T	trans-1,2-Dichloroethene	0.360	0.376	-4.4	110	0.00
22	T	Diisopropyl ether	0.799	0.844	-5.6	111	0.00
23	T	Vinyl Acetate	0.473	0.504	-6.6	106	0.00
24	P	1,1-Dichloroethane	0.596	0.622	-4.4	110	0.00
25	T	2-Butanone	0.071	0.068	4.2	95	0.00
26	T	2,2-Dichloropropane	0.746	0.734	1.6	109	0.00
27	T	cis-1,2-Dichloroethene	0.428	0.448	-4.7	112	0.00
28	T	Bromochloromethane	0.153	0.188	-22.9	122	0.00
29	T	Tetrahydrofuran	0.042	0.042	0.0	93	0.00
30	C	Chloroform	0.783	0.781	0.3#	110	0.00
31	T	Cyclohexane	0.523	0.499	4.6	110	0.00
32	T	1,1,1-Trichloroethane	0.818	0.826	-1.0	108	0.00
33	S	1,2-Dichloroethane-d4	0.443	0.419	5.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	119	0.00
35	S	Dibromofluoromethane	0.294	0.272	7.5	99	0.00
36	T	1,1-Dichloropropene	0.357	0.368	-3.1	109	0.00
37	T	Ethyl Acetate	0.121	0.121	0.0	99	0.00
38	T	Carbon Tetrachloride	0.577	0.591	-2.4	108	0.00
39	T	Methylcyclohexane	0.454	0.470	-3.5	110	0.00
40	TM	Benzene	1.029	1.082	-5.2	111	0.00
41	T	Methacrylonitrile	0.066	0.065	1.5	95	0.00
42	TM	1,2-Dichloroethane	0.327	0.335	-2.4	104	0.00
43	T	Isopropyl Acetate	0.242	0.254	-5.0	100	0.00
44	TM	Trichloroethene	0.306	0.308	-0.7	109	0.00
45	C	1,2-Dichloropropane	0.202	0.215	-6.4#	111	0.00
46	T	Dibromomethane	0.140	0.148	-5.7	108	0.00
47	T	Bromodichloromethane	0.396	0.411	-3.8	106	0.00
48	T	Methyl methacrylate	0.115	0.119	-3.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	87	0.00
50	S	Toluene-d8	1.066	1.064	0.2	102	0.00
51	T	4-Methyl-2-Pentanone	0.121	0.121	0.0	98	0.00
52	CM	Toluene	0.701	0.738	-5.3#	111	0.00
53	T	t-1,3-Dichloropropene	0.351	0.377	-7.4	109	0.00
54	T	cis-1,3-Dichloropropene	0.386	0.407	-5.4	108	0.00
55	T	1,1,2-Trichloroethane	0.181	0.187	-3.3	104	0.00
56	T	Ethyl methacrylate	0.231	0.252	-9.1	105	0.00
57	T	1,3-Dichloropropane	0.296	0.308	-4.1	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.092	-7.0	108	0.00
59	T	2-Hexanone	0.077	0.080	-3.9	95	0.00
60	T	Dibromochloromethane	0.289	0.299	-3.5	106	0.00
61	T	1,2-Dibromoethane	0.170	0.176	-3.5	104	0.00
62	S	4-Bromofluorobenzene	0.388	0.354	8.8	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
64	T	Tetrachloroethene	0.332	0.345	-3.9	111	0.00
65	PM	Chlorobenzene	0.934	0.989	-5.9	113	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.376	-3.0	110	0.00
67	C	Ethyl Benzene	1.676	1.738	-3.7#	110	0.00
68	T	m/p-Xylenes	0.639	0.660	-3.3	109	0.00
69	T	o-Xylene	0.600	0.627	-4.5	109	0.00
70	T	Styrene	1.010	1.069	-5.8	111	0.00
71	P	Bromoform	0.209	0.215	-2.9	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
73	T	Isopropylbenzene	3.401	3.494	-2.7	110	0.00
74	T	N-amyl acetate	0.478	0.505	-5.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.438	0.443	-1.1	103	0.00
76	T	1,2,3-Trichloropropane	0.345	0.313	9.3	104	0.00
77	T	Bromobenzene	0.774	0.801	-3.5	109	0.00
78	T	n-propylbenzene	3.834	3.938	-2.7	110	0.00
79	T	2-Chlorotoluene	2.183	2.238	-2.5	109	0.00
80	T	1,3,5-Trimethylbenzene	2.821	2.943	-4.3	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.159	0.156	1.9	93	0.00
82	T	4-Chlorotoluene	2.226	2.301	-3.4	110	0.00
83	T	tert-Butylbenzene	2.625	2.683	-2.2	109	0.00
84	T	1,2,4-Trimethylbenzene	2.756	2.866	-4.0	109	0.00
85	T	sec-Butylbenzene	3.534	3.657	-3.5	111	0.00
86	T	p-Isopropyltoluene	3.090	3.237	-4.8	111	0.00
87	T	1,3-Dichlorobenzene	1.504	1.588	-5.6	110	0.00
88	T	1,4-Dichlorobenzene	1.474	1.535	-4.1	110	0.00
89	T	n-Butylbenzene	2.603	2.742	-5.3	112	0.00
90	T	Hexachloroethane	0.586	0.613	-4.6	111	0.00
91	T	1,2-Dichlorobenzene	1.291	1.345	-4.2	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.083	0.082	1.2	100	0.00
93	T	1,2,4-Trichlorobenzene	0.767	0.851	-11.0	111	0.00
94	T	Hexachlorobutadiene	0.571	0.605	-6.0	111	0.00
95	T	Naphthalene	1.239	1.367	-10.3	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	0.641	0.693	-8.1	107	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\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	118	0.00
2	T	Dichlorodifluoromethane	50.000	50.681	-1.4	109	0.00
3	P	Chloromethane	50.000	51.382	-2.8	109	0.00
4	C	Vinyl Chloride	50.000	52.828	-5.7#	113	0.00
5	T	Bromomethane	50.000	56.471	-12.9	121	0.00
6	T	Chloroethane	50.000	53.251	-6.5	115	0.00
7	T	Trichlorofluoromethane	50.000	51.310	-2.6	109	0.00
8	T	Diethyl Ether	50.000	52.184	-4.4	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.644	0.7	107	0.00
10	T	Methyl Iodide	50.000	53.200	-6.4	109	0.00
11	T	Tert butyl alcohol	250.000	182.349	27.1#	88	0.01
12	CM	1,1-Dichloroethene	50.000	51.959	-3.9#	111	0.00
13	T	Acrolein	250.000	198.420	20.6	92	0.00
14	T	Allyl chloride	50.000	53.230	-6.5	114	0.00
15	T	Acrylonitrile	250.000	255.978	-2.4	98	0.00
16	T	Acetone	250.000	230.728	7.7	95	0.00
17	T	Carbon Disulfide	50.000	54.332	-8.7	109	0.00
18	T	Methyl Acetate	50.000	52.099	-4.2	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.169	-4.3	108	0.00
20	T	Methylene Chloride	50.000	51.688	-3.4	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.333	-4.7	110	0.00
22	T	Diisopropyl ether	50.000	52.766	-5.5	111	0.00
23	T	Vinyl Acetate	250.000	266.212	-6.5	106	0.00
24	P	1,1-Dichloroethane	50.000	52.176	-4.4	110	0.00
25	T	2-Butanone	250.000	238.673	4.5	95	0.00
26	T	2,2-Dichloropropane	50.000	49.220	1.6	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.271	-4.5	112	0.00
28	T	Bromochloromethane	50.000	52.907	-5.8	122	0.00
29	T	Tetrahydrofuran	250.000	249.938	0.0	93	0.00
30	C	Chloroform	50.000	49.838	0.3#	110	0.00
31	T	Cyclohexane	50.000	47.751	4.5	110	0.00
32	T	1,1,1-Trichloroethane	50.000	50.458	-0.9	108	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.345	5.3	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	119	0.00
35	S	Dibromofluoromethane	50.000	46.401	7.2	99	0.00
36	T	1,1-Dichloropropene	50.000	51.538	-3.1	109	0.00
37	T	Ethyl Acetate	50.000	51.669	-3.3	99	0.00
38	T	Carbon Tetrachloride	50.000	51.140	-2.3	108	0.00
39	T	Methylcyclohexane	50.000	51.850	-3.7	110	0.00
40	TM	Benzene	50.000	52.566	-5.1	111	0.00
41	T	Methacrylonitrile	50.000	49.072	1.9	95	0.00
42	TM	1,2-Dichloroethane	50.000	51.098	-2.2	104	0.00
43	T	Isopropyl Acetate	50.000	52.443	-4.9	100	0.00
44	TM	Trichloroethene	50.000	50.474	-0.9	109	0.00
45	C	1,2-Dichloropropane	50.000	53.265	-6.5#	111	0.00
46	T	Dibromomethane	50.000	52.921	-5.8	108	0.00
47	T	Bromodichloromethane	50.000	51.846	-3.7	106	0.00
48	T	Methyl methacrylate	50.000	51.742	-3.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	926.264	7.4	87	0.00
50	S	Toluene-d8	50.000	49.867	0.3	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	249.741	0.1	98	0.00
52	CM	Toluene	50.000	52.641	-5.3#	111	0.00
53	T	t-1,3-Dichloropropene	50.000	53.732	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.743	-5.5	108	0.00
55	T	1,1,2-Trichloroethane	50.000	51.725	-3.5	104	0.00
56	T	Ethyl methacrylate	50.000	54.626	-9.3	105	0.00
57	T	1,3-Dichloropropane	50.000	52.137	-4.3	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.463	-6.6	108	0.00
59	T	2-Hexanone	250.000	257.733	-3.1	95	0.00
60	T	Dibromochloromethane	50.000	51.738	-3.5	106	0.00
61	T	1,2-Dibromoethane	50.000	52.038	-4.1	104	0.00
62	S	4-Bromofluorobenzene	50.000	45.571	8.9	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	116	0.00
64	T	Tetrachloroethene	50.000	52.019	-4.0	111	0.00
65	PM	Chlorobenzene	50.000	52.937	-5.9	113	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.525	-3.0	110	0.00
67	C	Ethyl Benzene	50.000	51.841	-3.7#	110	0.00
68	T	m/p-Xylenes	100.000	103.259	-3.3	109	0.00
69	T	o-Xylene	50.000	52.237	-4.5	109	0.00
70	T	Styrene	50.000	52.914	-5.8	111	0.00
71	P	Bromoform	50.000	51.466	-2.9	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	116	0.00
73	T	Isopropylbenzene	50.000	51.364	-2.7	110	0.00
74	T	N-amyl acetate	50.000	52.869	-5.7	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.579	-1.2	103	0.00
76	T	1,2,3-Trichloropropane	50.000	45.368	9.3	104	0.00
77	T	Bromobenzene	50.000	51.722	-3.4	109	0.00
78	T	n-propylbenzene	50.000	51.350	-2.7	110	0.00
79	T	2-Chlorotoluene	50.000	51.267	-2.5	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.166	-4.3	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.292	1.4	93	0.00
82	T	4-Chlorotoluene	50.000	51.687	-3.4	110	0.00
83	T	tert-Butylbenzene	50.000	51.113	-2.2	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.000	-4.0	109	0.00
85	T	sec-Butylbenzene	50.000	51.742	-3.5	111	0.00
86	T	p-Isopropyltoluene	50.000	52.390	-4.8	111	0.00
87	T	1,3-Dichlorobenzene	50.000	52.766	-5.5	110	0.00
88	T	1,4-Dichlorobenzene	50.000	52.057	-4.1	110	0.00
89	T	n-Butylbenzene	50.000	52.674	-5.3	112	0.00
90	T	Hexachloroethane	50.000	52.306	-4.6	111	0.00
91	T	1,2-Dichlorobenzene	50.000	52.069	-4.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.369	1.3	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.512	-11.0	111	0.00
94	T	Hexachlorobutadiene	50.000	53.025	-6.0	111	0.00
95	T	Naphthalene	50.000	48.290	3.4	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 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	54.067	-8.1	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020645.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/19/2024 09:43

Lab File ID: VY020645.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
Dichlorodifluoromethane	0.625	0.650		4	20
Chloromethane	0.463	0.437	0.1	-5.62	20
Vinyl Chloride	0.431	0.419		-2.78	20
Bromomethane	0.277	0.258		-6.86	20
Chloroethane	0.266	0.249		-6.39	20
Tetrahydrofuran	0.128	0.139		8.59	20
Trichlorofluoromethane	0.901	0.911		1.11	20
1,1,2-Trichlorotrifluoroethane	0.646	0.719		11.3	20
1,1-Dichloroethene	0.627	0.679		8.29	20
Acrylonitrile	0.151	0.166		9.93	20
Acetone	0.125	0.109		-12.8	20
Carbon Disulfide	2.040	2.219		8.77	20
Methyl tert-butyl Ether	1.618	1.822		12.61	20
Methylene Chloride	0.681	0.704		3.38	20
trans-1,2-Dichloroethene	0.703	0.787		11.95	20
1,1-Dichloroethane	1.306	1.447	0.1	10.8	20
2-Butanone	0.204	0.205		0.49	20
Carbon Tetrachloride	0.711	0.819		15.19	20
2,2-Dichloropropane	1.235	1.286		4.13	20
cis-1,2-Dichloroethene	0.809	0.896		10.75	20
Chloroform	1.528	1.419		-7.13	20
1,1,1-Trichloroethane	1.200	1.332		11	20
1,1-Dichloropropene	0.643	0.731		13.69	20
Benzene	1.883	2.108		11.95	20
1,2-Dichloroethane	0.500	0.547		9.4	20
Trichloroethene	0.463	0.532		14.9	20
1,2-Dichloropropane	0.440	0.491		11.59	20
Dibromomethane	0.233	0.260		11.59	20
Bromodichloromethane	0.628	0.704		12.1	20
4-Methyl-2-Pentanone	0.302	0.326		7.95	20
Toluene	1.170	1.319		12.73	20
t-1,3-Dichloropropene	0.586	0.671		14.51	20
cis-1,3-Dichloropropene	0.694	0.782		12.68	20
1,1,2-Trichloroethane	0.308	0.351		13.96	20
1,3-Dichloropropane	0.548	0.623		13.69	20
2-Hexanone	0.194	0.215		10.82	20
Dibromochloromethane	0.411	0.472		14.84	20
1,2-Dibromoethane	0.286	0.325		13.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY020645.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/19/2024 09:43

Lab File ID: VY020645.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
Tetrachloroethene	0.470	0.538		14.47	20
Chlorobenzene	1.398	1.604	0.3	14.73	20
1,1,1,2-Tetrachloroethane	0.478	0.552		15.48	20
Ethyl Benzene	2.579	2.931		13.65	20
m/p-Xylenes	0.959	1.097		14.39	20
o-Xylene	0.895	1.028		14.86	20
Styrene	1.495	1.735		16.05	20
Bromoform	0.269	0.315	0.1	17.1	20
Isopropylbenzene	4.363	5.035		15.4	20
1,1,2,2-Tetrachloroethane	0.708	0.834	0.3	17.8	20
1,2,3-Trichloropropane	0.519	0.608		17.15	20
Bromobenzene	0.950	1.097		15.47	20
n-propylbenzene	5.257	5.978		13.72	20
2-Chlorotoluene	2.958	3.387		14.5	20
1,3,5-Trimethylbenzene	3.540	4.016		13.45	20
4-Chlorotoluene	3.068	3.467		13.01	20
tert-Butylbenzene	3.206	3.659		14.13	20
1,2,4-Trimethylbenzene	3.473	3.967		14.22	20
sec-Butylbenzene	4.662	5.229		12.16	20
p-Isopropyltoluene	3.844	4.382		14	20
1,3-Dichlorobenzene	1.876	2.129		13.49	20
1,4-Dichlorobenzene	1.858	2.072		11.52	20
n-Butylbenzene	3.643	4.102		12.6	20
1,2-Dichlorobenzene	1.626	1.833		12.73	20
1,2-Dibromo-3-Chloropropane	0.115	0.129		12.17	20
1,2,4-Trichlorobenzene	0.983	1.105		12.41	20
Hexachlorobutadiene	0.643	0.713		10.89	20
1,2,3-Trichlorobenzene	0.831	0.934		12.4	20
1,2-Dichloroethane-d4	0.548	0.573		4.56	20
Dibromofluoromethane	0.352	0.398		13.07	20
Toluene-d8	1.233	1.381		12	20
4-Bromofluorobenzene	0.482	0.516		7.05	20
trans-1,4-Dichloro-2-butene	0.247	0.309		25.1	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 00:45:12 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 :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	206000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117960	52.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	122865	56.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.900%			
50) Toluene-d8	10.103	98	426408	55.973	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.940%			
62) 4-Bromofluorobenzene	12.408	95	159346	53.472	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	133894	52.037	ug/l	98
3) Chloromethane	2.068	50	89931	47.172	ug/l	99
4) Vinyl Chloride	2.202	62	86336	48.655	ug/l	100
5) Bromomethane	2.598	94	53050	46.509	ug/l	99
6) Chloroethane	2.733	64	51312	46.795	ug/l	99
7) Trichlorofluoromethane	3.062	101	187636	50.536	ug/l	99
8) Diethyl Ether	3.452	74	68568	52.658	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	148014	55.617	ug/l	99
10) Methyl Iodide	4.007	142	167021	56.369	ug/l	97
11) Tert butyl alcohol	4.860	59	54368	225.962	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	139823	54.148	ug/l	96
13) Acrolein	3.653	56	17954	168.296	ug/l	96
14) Allyl chloride	4.385	41	232338	51.348	ug/l	98
15) Acrylonitrile	5.055	53	170856	274.269	ug/l	99
16) Acetone	3.873	43	111898	249.644	ug/l	96
17) Carbon Disulfide	4.104	76	457151	54.388	ug/l	100
18) Methyl Acetate	4.385	43	78056	50.850	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	375333	56.315	ug/l	97
20) Methylene Chloride	4.616	84	144922	51.663	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	162132	55.973	ug/l	99
22) Diisopropyl ether	6.019	45	496112	54.016	ug/l	96
23) Vinyl Acetate	5.958	43	1420555	273.086	ug/l	98
24) 1,1-Dichloroethane	5.915	63	298067	55.396	ug/l	99
25) 2-Butanone	6.890	43	211202	251.894	ug/l	99
26) 2,2-Dichloropropane	6.884	77	264836	52.067	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184657	55.409	ug/l	97
28) Bromochloromethane	7.244	49	101052	55.679	ug/l	96
29) Tetrahydrofuran	7.262	42	143510	271.132	ug/l	97
30) Chloroform	7.421	83	292213	54.569	ug/l	100
31) Cyclohexane	7.701	56	268423	52.174	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	274460	55.522	ug/l	99
36) 1,1-Dichloropropene	7.835	75	225884	56.915	ug/l	99
37) Ethyl Acetate	6.982	43	100446	53.805	ug/l	99
38) Carbon Tetrachloride	7.817	117	252799	57.572	ug/l	98
39) Methylcyclohexane	9.109	83	287808	55.640	ug/l	99
40) Benzene	8.079	78	650927	55.955	ug/l	100

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 00:45:12 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 :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	51462	52.143 ug/l		94
42) 1,2-Dichloroethane	8.158	62	168914	54.747 ug/l		99
43) Isopropyl Acetate	8.195	43	195375	55.280 ug/l	#	88
44) Trichloroethene	8.866	130	164213	57.447 ug/l		99
45) 1,2-Dichloropropane	9.140	63	151671	55.786 ug/l		96
46) Dibromomethane	9.231	93	80300	55.885 ug/l		97
47) Bromodichloromethane	9.420	83	217355	56.001 ug/l		98
48) Methyl methacrylate	9.219	41	93111	55.418 ug/l		97
49) 1,4-Dioxane	9.225	88	19191	1164.626 ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	502739	269.490 ug/l		98
52) Toluene	10.170	92	407430	56.356 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	207340	57.330 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241551	56.364 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	108487	57.107 ug/l		97
56) Ethyl methacrylate	10.439	69	162282	58.883 ug/l		94
57) 1,3-Dichloropropane	10.713	76	192310	56.787 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	330296	284.827 ug/l		98
59) 2-Hexanone	10.762	43	332124	277.291 ug/l		96
60) Dibromochloromethane	10.908	129	145879	57.418 ug/l		99
61) 1,2-Dibromoethane	11.012	107	100336	56.781 ug/l		100
64) Tetrachloroethene	10.646	164	143419	57.159 ug/l		95
65) Chlorobenzene	11.438	112	427986	57.381 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	147222	57.723 ug/l		98
67) Ethyl Benzene	11.518	91	781876	56.821 ug/l		99
68) m/p-Xylenes	11.627	106	585329	114.405 ug/l		100
69) o-Xylene	11.950	106	274190	57.438 ug/l		99
70) Styrene	11.969	104	462869	58.035 ug/l		99
71) Bromoform	12.133	173	84075	58.631 ug/l	#	100
73) Isopropylbenzene	12.255	105	736909	57.692 ug/l		100
74) N-amyl acetate	12.072	43	169942	56.850 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	122009	58.846 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	89036m	58.557 ug/l		
77) Bromobenzene	12.530	156	160597	57.720 ug/l		98
78) n-propylbenzene	12.597	91	875016	56.859 ug/l		99
79) 2-Chlorotoluene	12.682	91	495724	57.255 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	587819	56.716 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	45189	62.383 ug/l		97
82) 4-Chlorotoluene	12.780	91	507510	56.500 ug/l		99
83) tert-Butylbenzene	12.999	119	535639	57.066 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	580706	57.121 ug/l		98
85) sec-Butylbenzene	13.176	105	765369	56.081 ug/l		100
86) p-Isopropyltoluene	13.292	119	641459	57.008 ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	311630	56.738 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	303316	55.759 ug/l		99
89) n-Butylbenzene	13.621	91	600466	56.308 ug/l		99
90) Hexachloroethane	13.883	117	126128	56.563 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	268348	56.390 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18918	56.200 ug/l		96
93) 1,2,4-Trichlorobenzene	14.926	180	161670	56.165 ug/l		99
94) Hexachlorobutadiene	15.029	225	104328	55.442 ug/l		99
95) Naphthalene	15.145	128	288782	58.518 ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	136737	56.223 ug/l		100

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 00:45:12 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 :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

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

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

Sample Results: **VY020645.D**

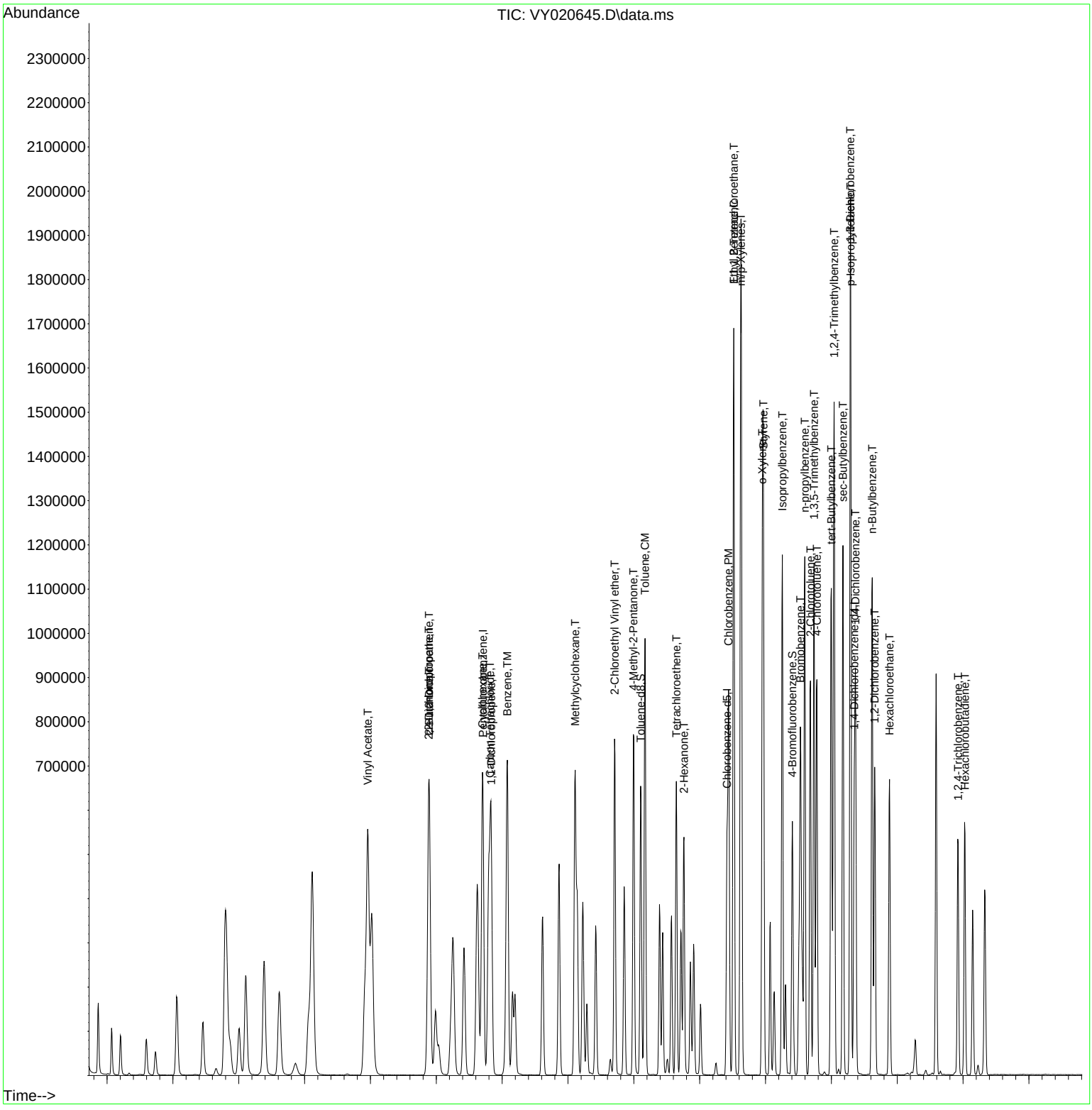
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

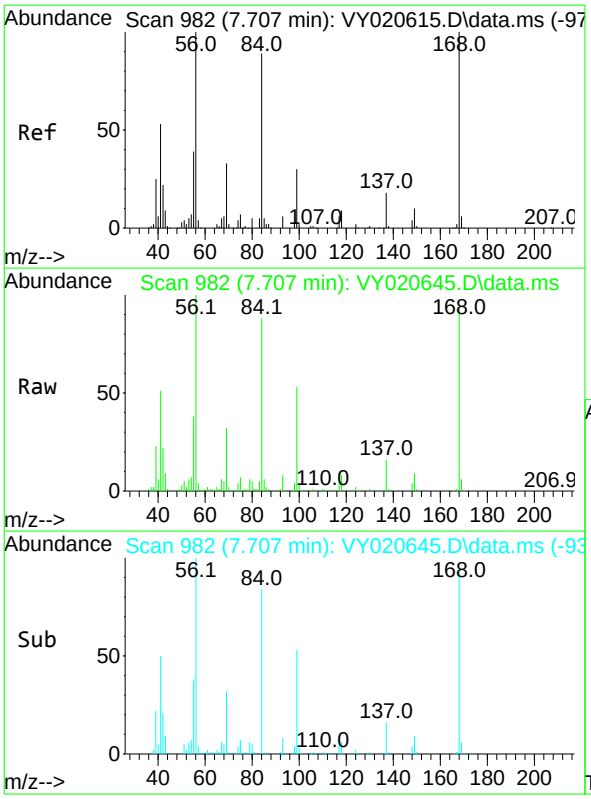
Quant Time: Dec 20 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

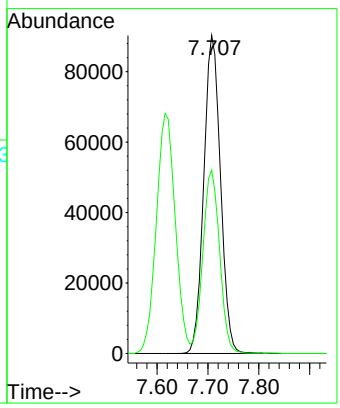




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:168 Resp: 206000

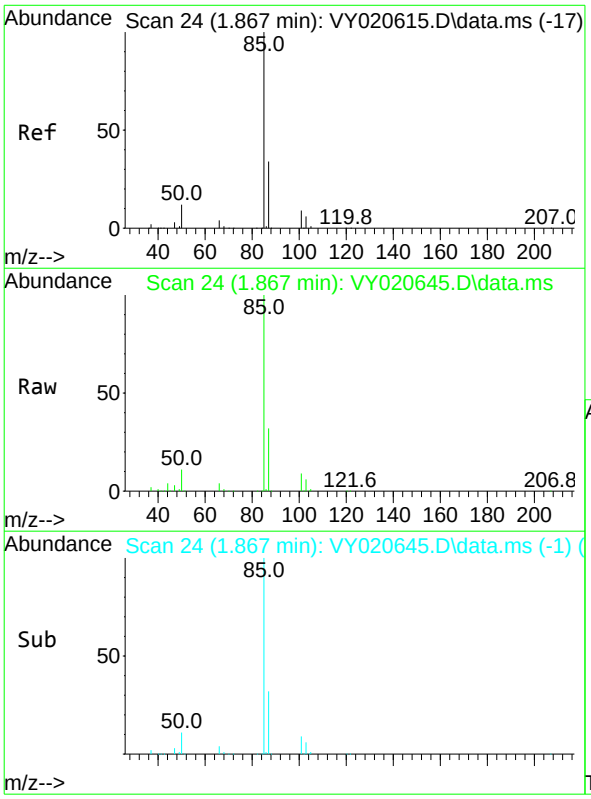
Ion	Ratio	Lower	Upper
168	100		
99	57.6	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

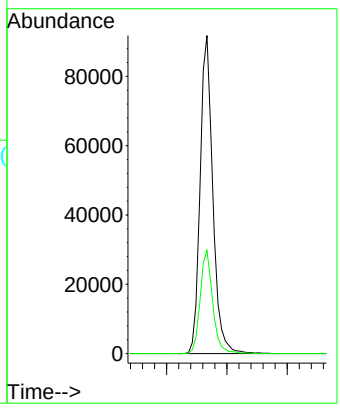
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

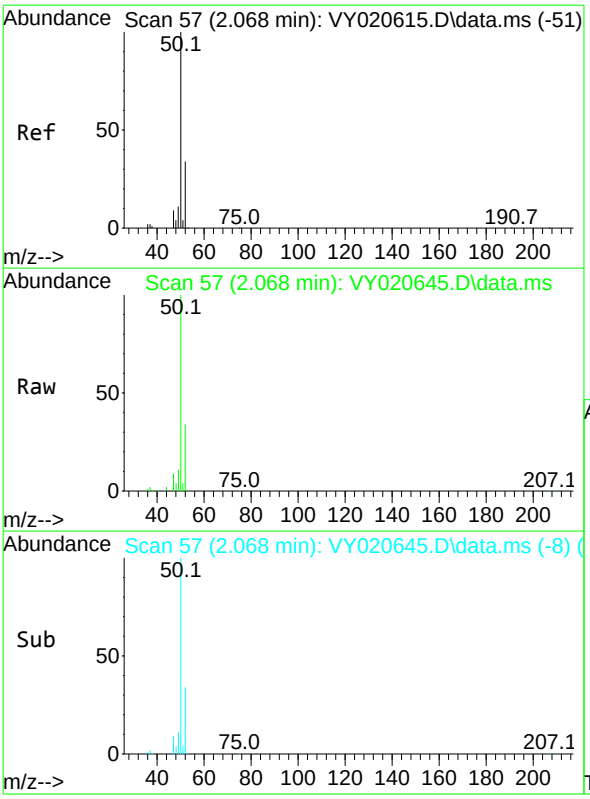


#2
Dichlorodifluoromethane
Concen: 52.037 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 85 Resp: 133894

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.8	50.3

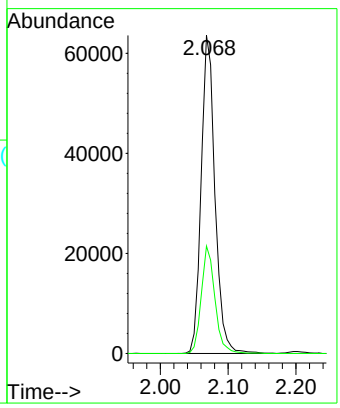




#3
Chloromethane
Concen: 47.172 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 50 Resp: 89931

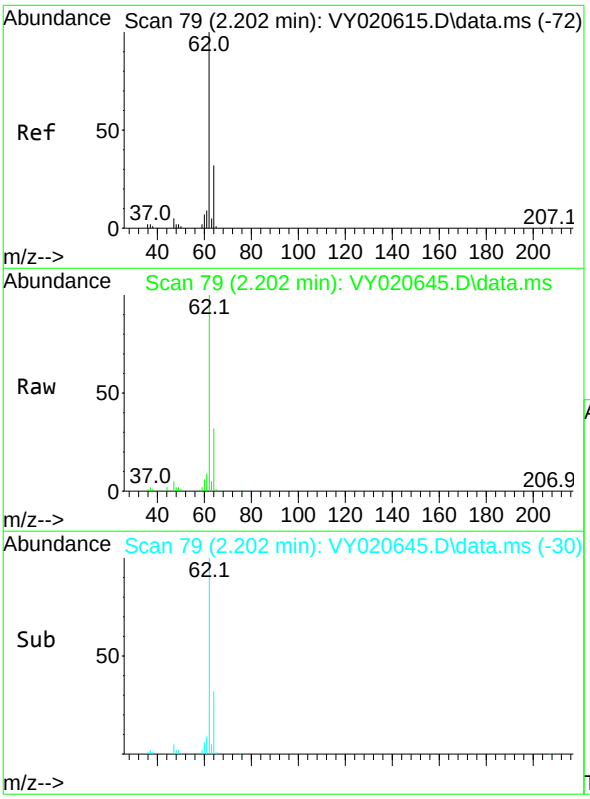
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

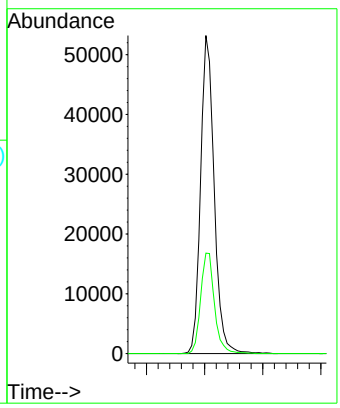
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

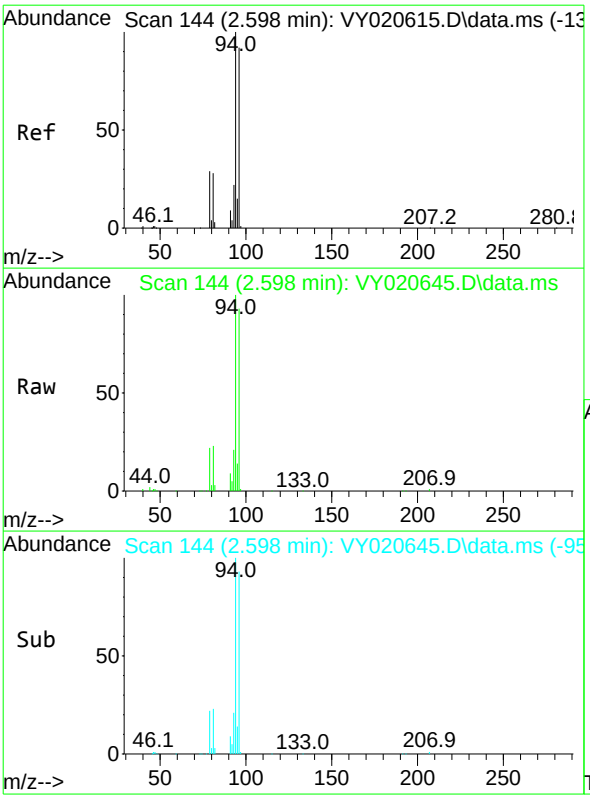


#4
Vinyl Chloride
Concen: 48.655 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 62 Resp: 86336

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

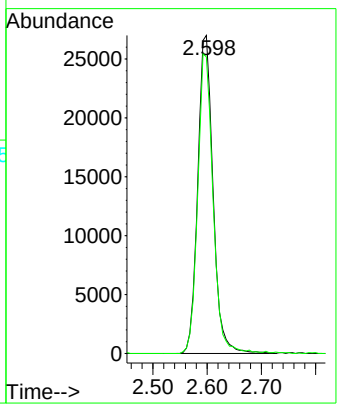




#5
Bromomethane
Concen: 46.509 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 94 Resp: 53050

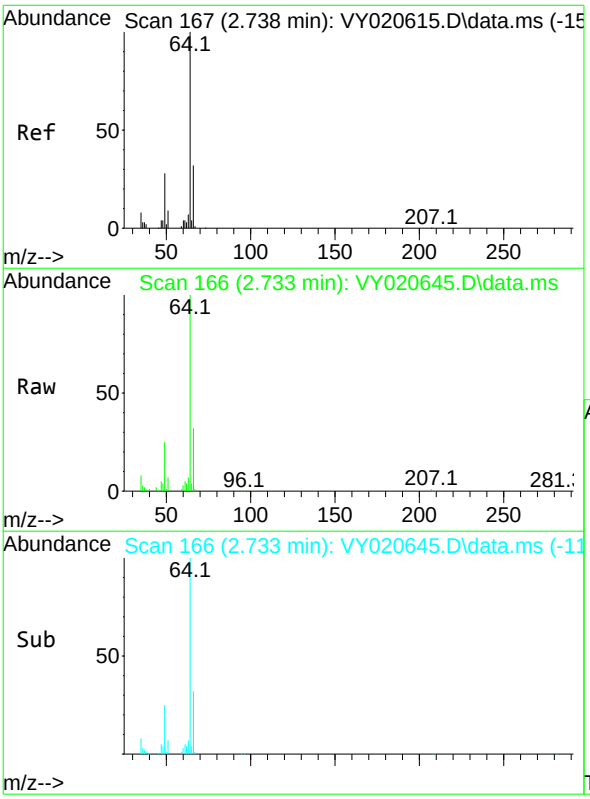
Ion	Ratio	Lower	Upper
94	100		
96	93.3	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

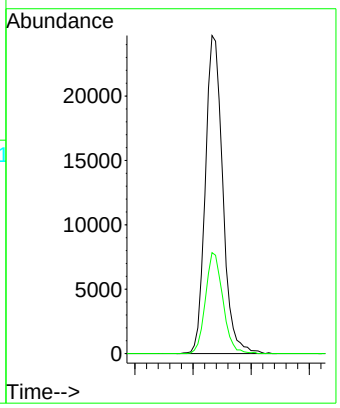
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

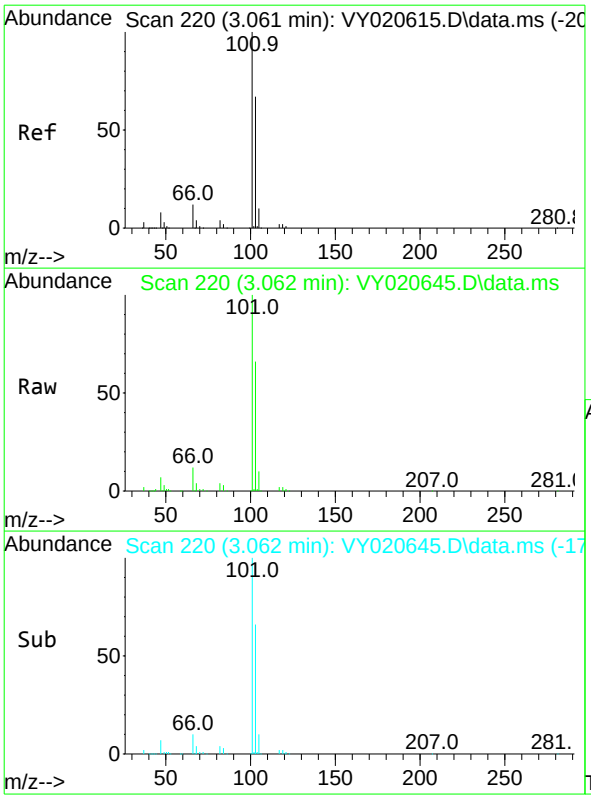


#6
Chloroethane
Concen: 46.795 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 64 Resp: 51312

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.8	38.6

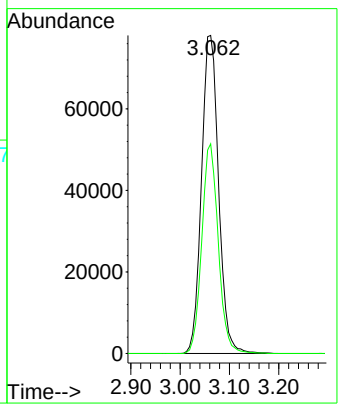




#7
Trichlorofluoromethane
Concen: 50.536 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:101 Resp: 187636

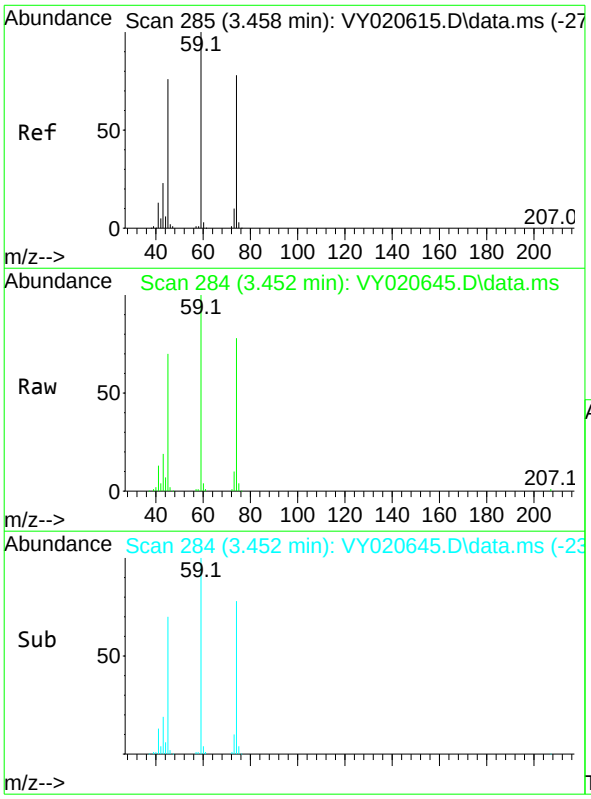
Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

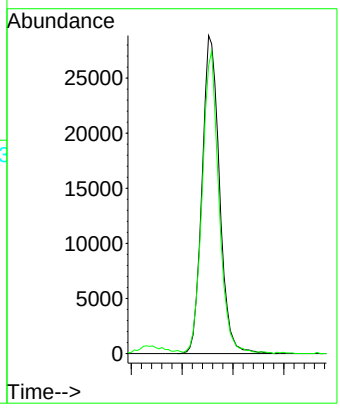
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

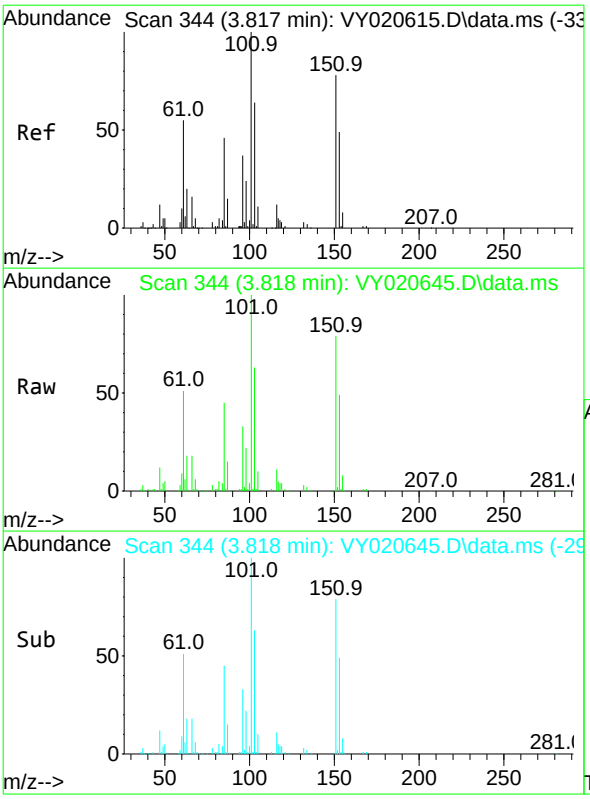


#8
Diethyl Ether
Concen: 52.658 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 74 Resp: 68568

Ion	Ratio	Lower	Upper
74	100		
45	91.6	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.617 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

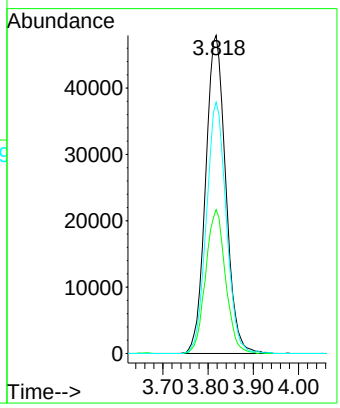
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

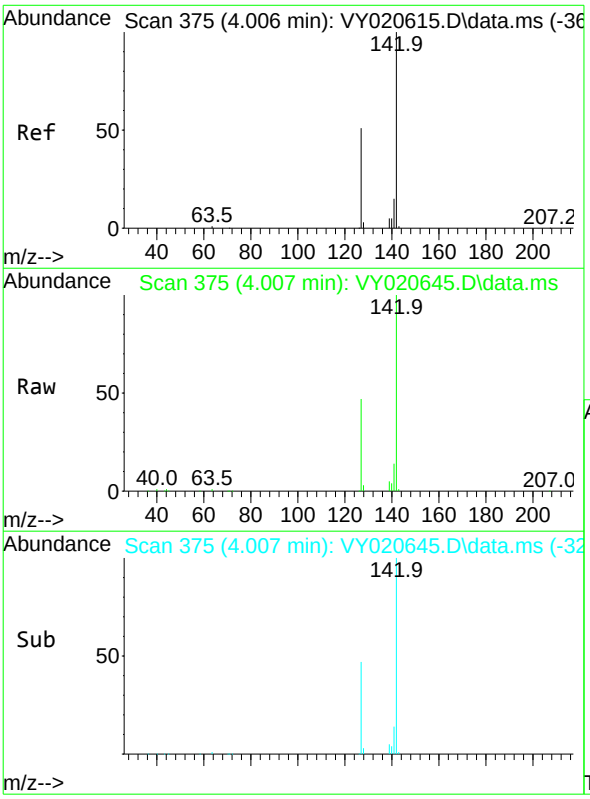
Tgt Ion:101 Resp: 148014

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.6	54.8
151	78.1	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

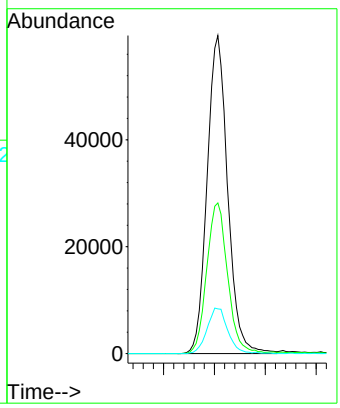


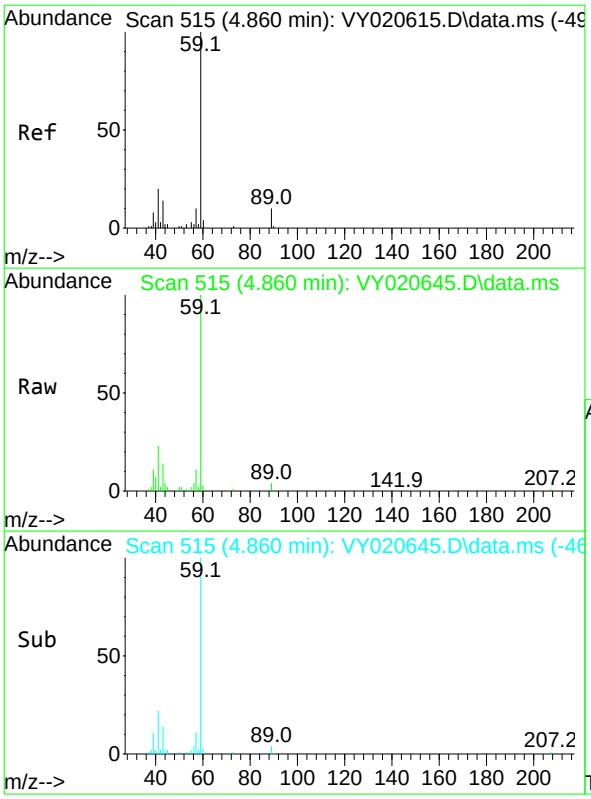


#10
Methyl Iodide
Concen: 56.369 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:142 Resp: 167021

Ion	Ratio	Lower	Upper
142	100		
127	48.1	40.6	61.0
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 225.962 ug/l
RT: 4.860 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 59 Resp: 54368

Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.4	11.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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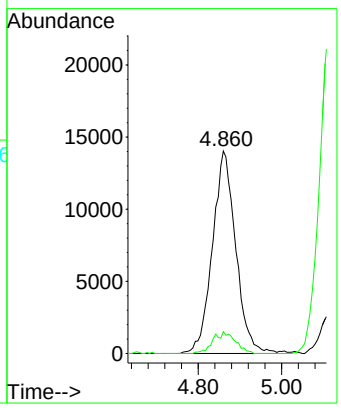
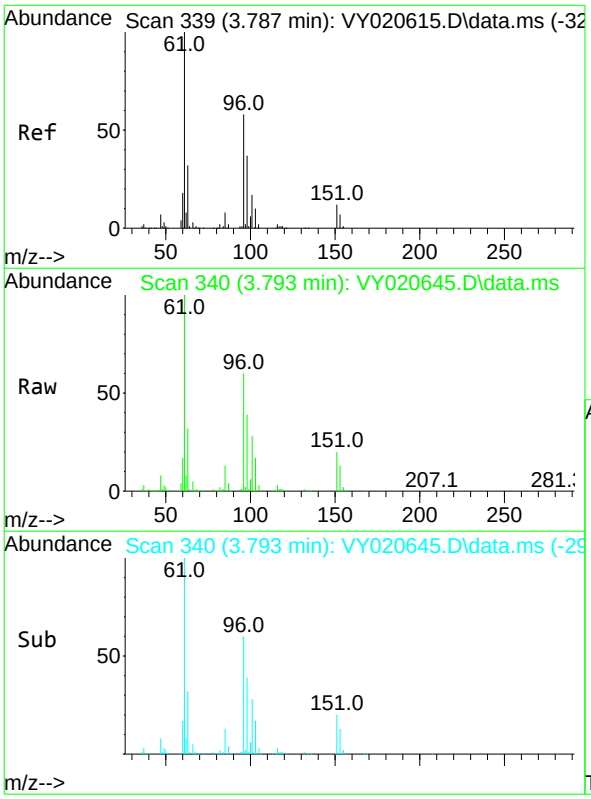
Supervised By :Semsettin Yesilyurt 12/20/2024

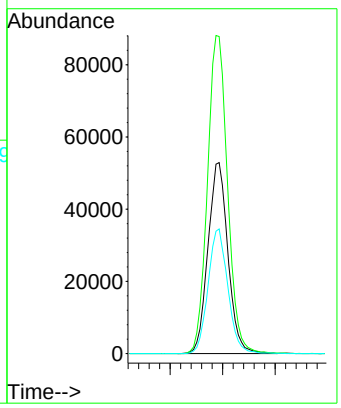


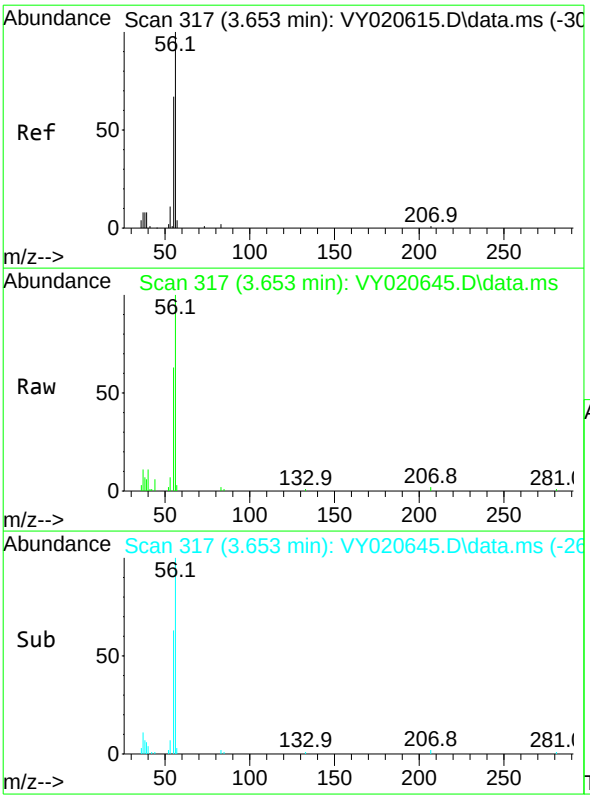


#12
1,1-Dichloroethene
Concen: 54.148 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 96 Resp: 139823

Ion	Ratio	Lower	Upper
96	100		
61	166.0	136.9	205.3
98	65.3	50.2	75.4

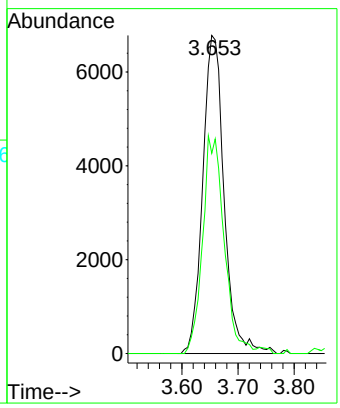




#13
Acrolein
Concen: 168.296 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 56 Resp: 17954

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.5	86.3



Instrument :
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ClientSampleId :
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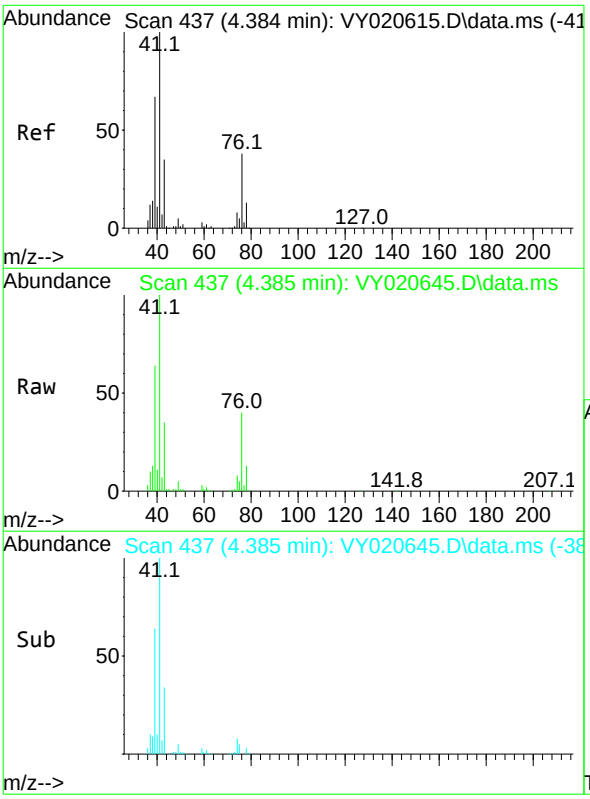
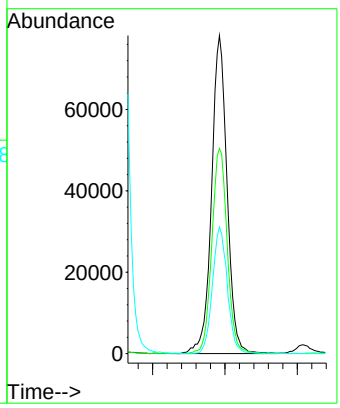
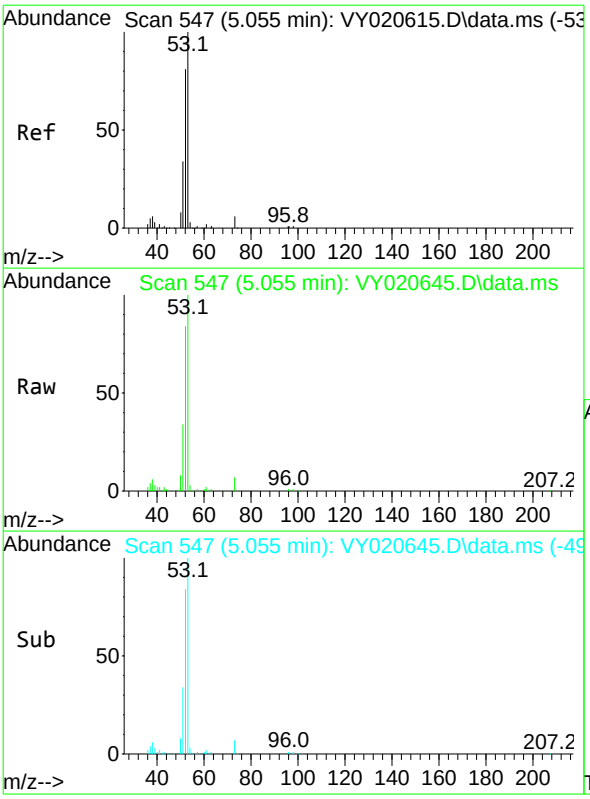


#14
Allyl chloride
Concen: 51.348 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 41 Resp: 232338

Ion	Ratio	Lower	Upper
41	100		
39	64.2	53.0	79.4
76	38.2	29.5	44.3





#15
Acrylonitrile
Concen: 274.269 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 53 Resp: 170856

Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.5	96.7
51	36.8	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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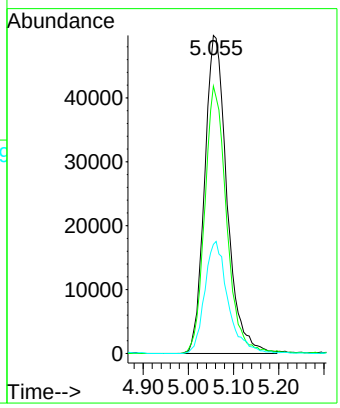
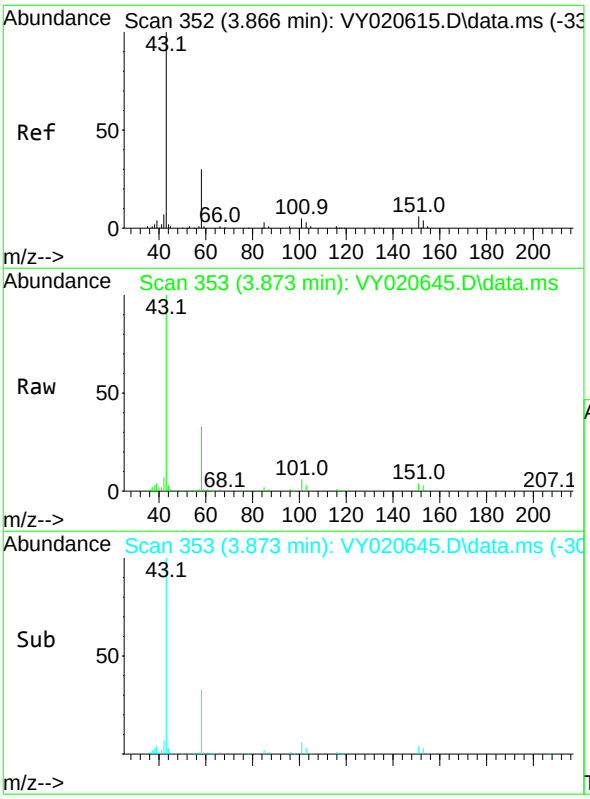
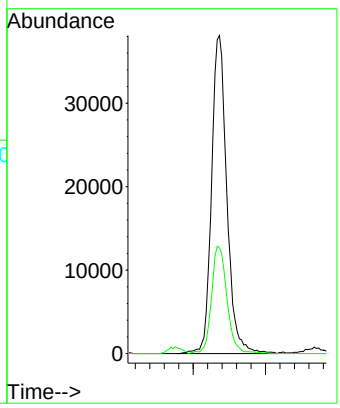


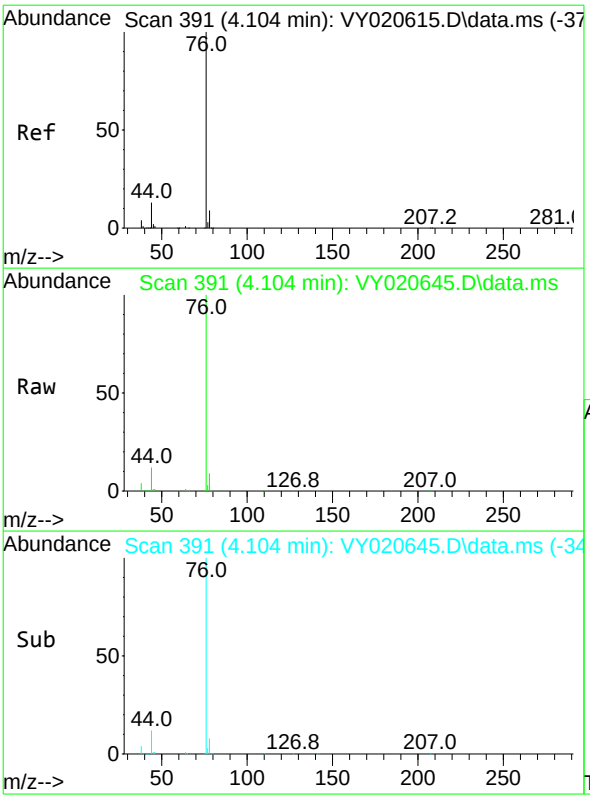


#16
Acetone
Concen: 249.644 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 111898

Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.0	37.6

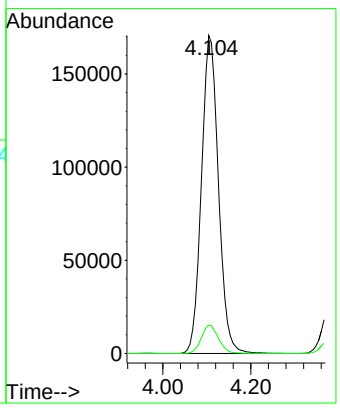




#17
Carbon Disulfide
Concen: 54.388 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 76 Resp: 457151

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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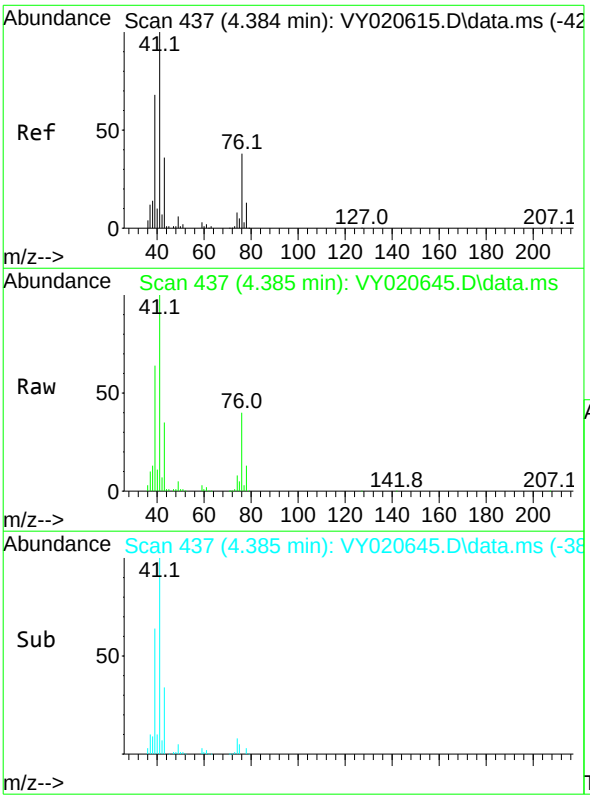
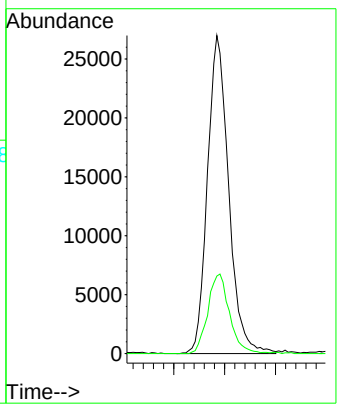
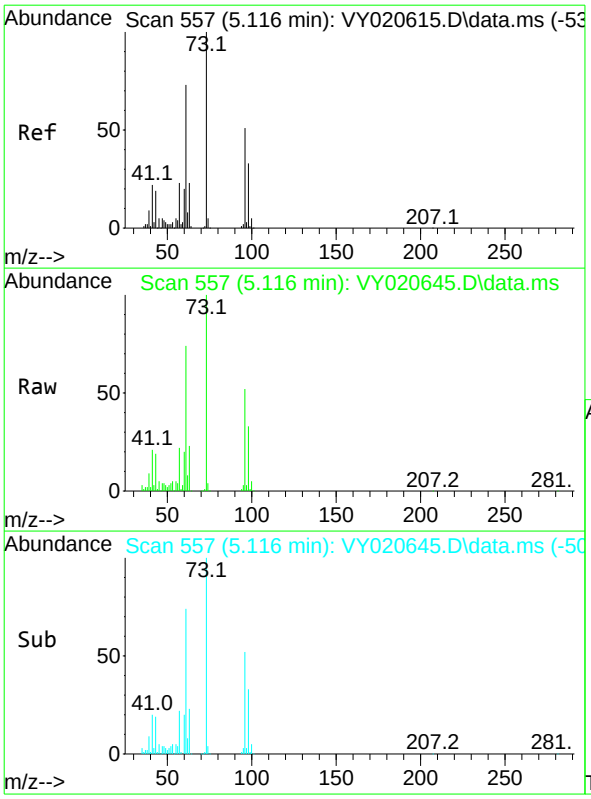


#18
Methyl Acetate
Concen: 50.850 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 78056

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.2	28.8

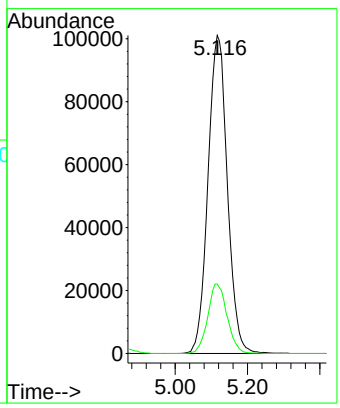




#19
Methyl tert-butyl Ether
Concen: 56.315 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 73 Resp: 375333

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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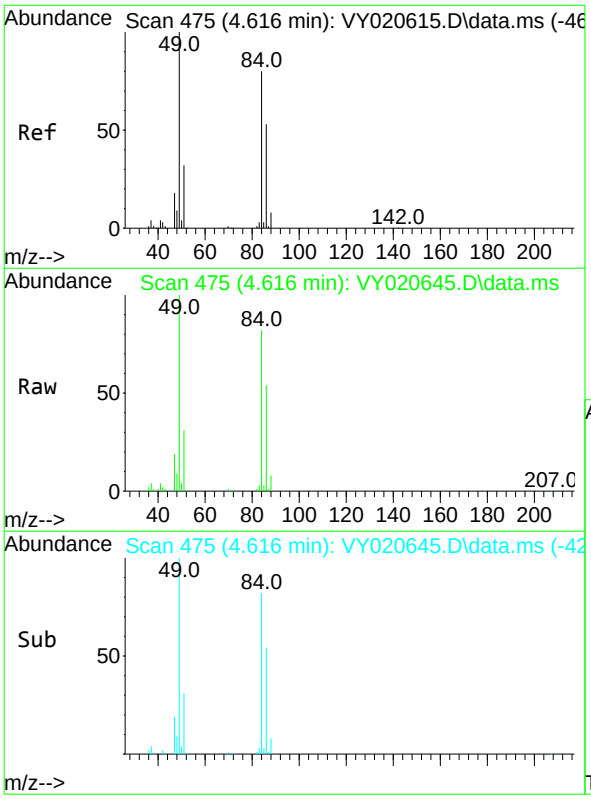
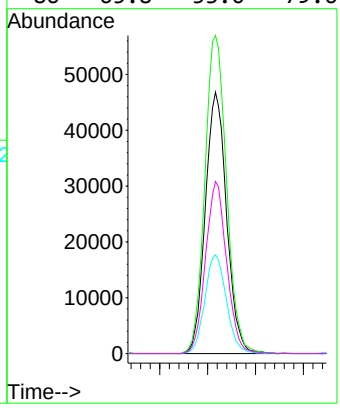
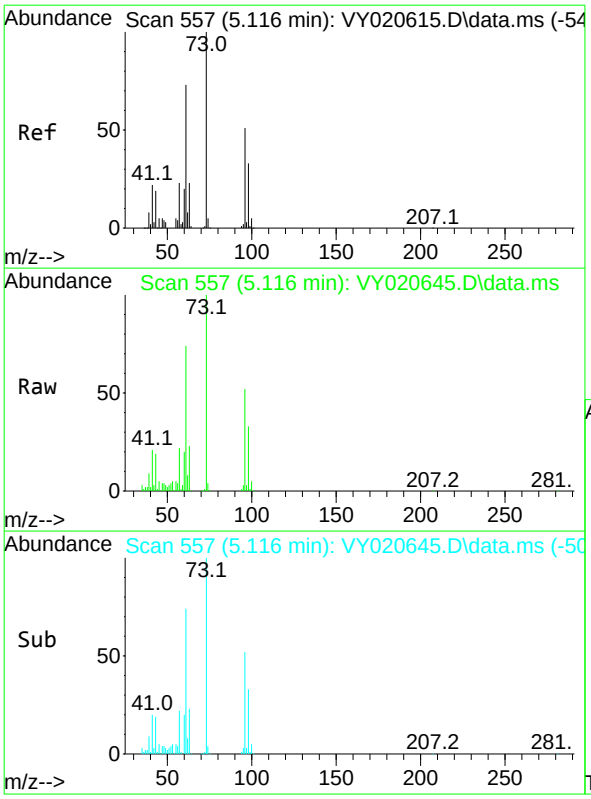


#20
Methylene Chloride
Concen: 51.663 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 84 Resp: 144922

Ion	Ratio	Lower	Upper
84	100		
49	121.7	100.7	151.1
51	37.8	32.2	48.2
86	65.8	53.0	79.6





#21
trans-1,2-Dichloroethene
Concen: 55.973 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 96 Resp: 162132

Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.7	170.5
98	62.9	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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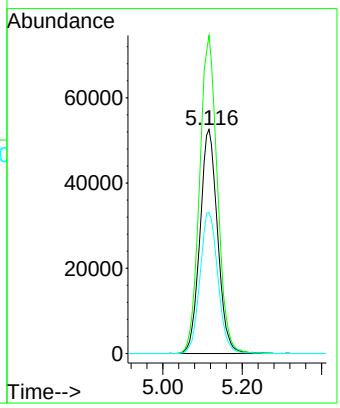
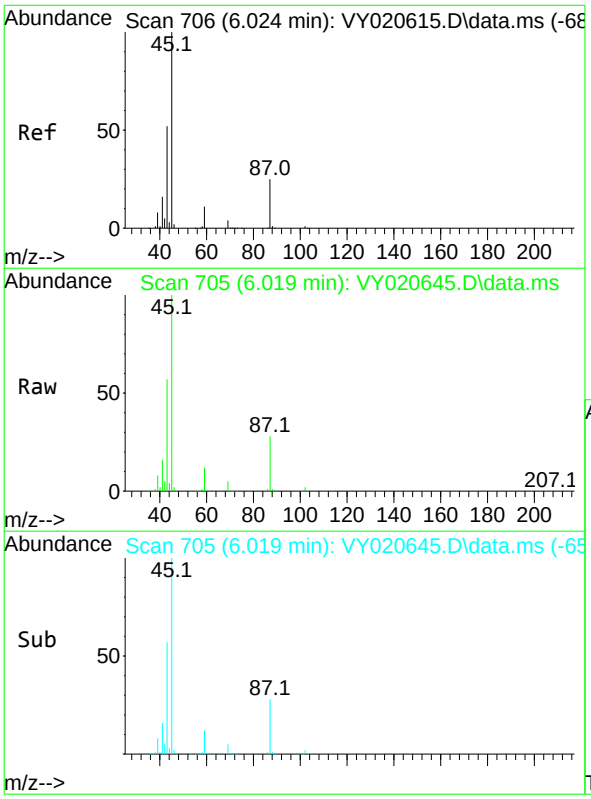
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

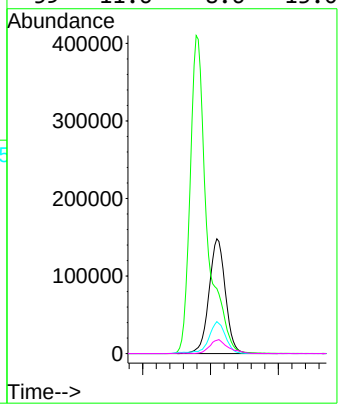


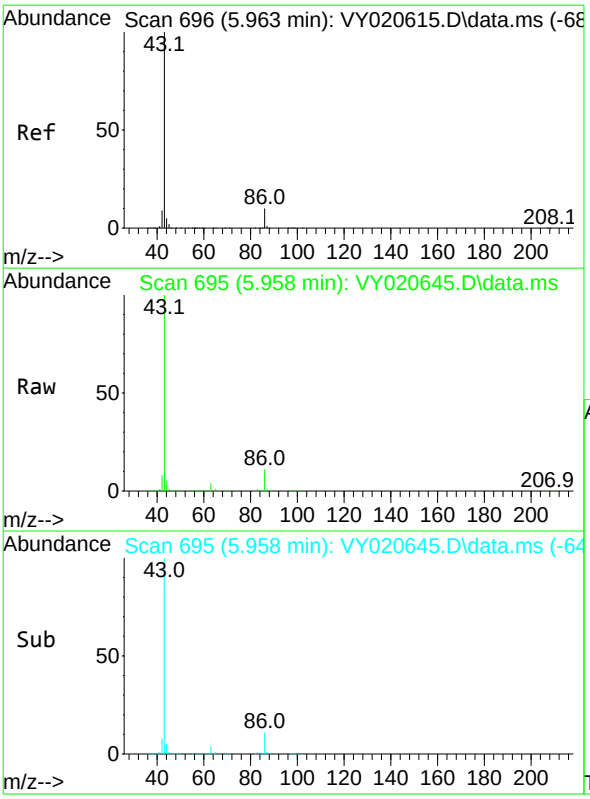


#22
Diisopropyl ether
Concen: 54.016 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 45 Resp: 496112

Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.6	64.0
87	27.8	20.6	31.0
59	11.6	8.6	13.0

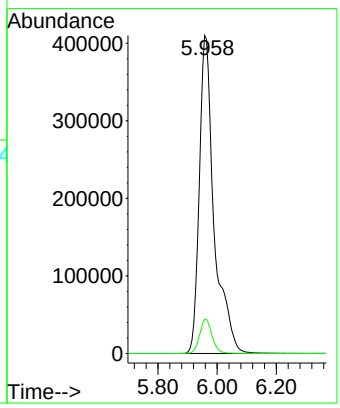




#23
Vinyl Acetate
Concen: 273.086 ug/l
RT: 5.958 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 1420555

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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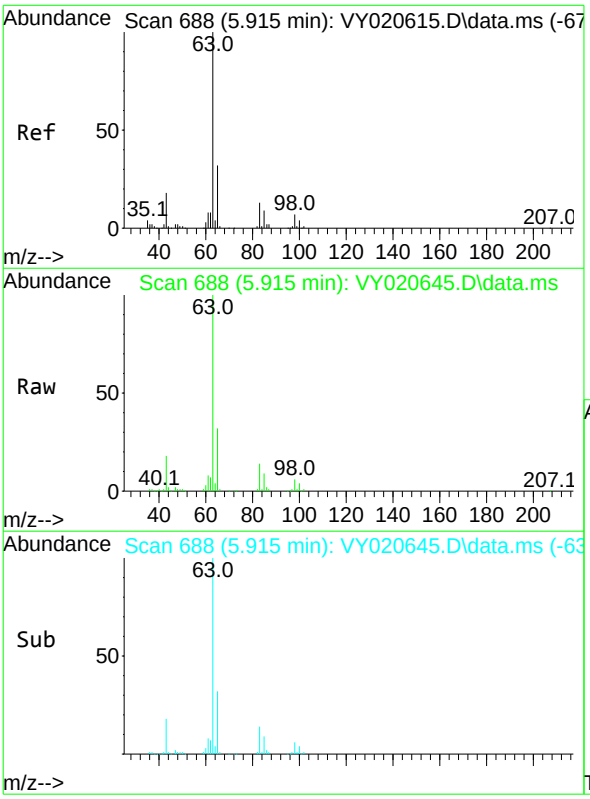
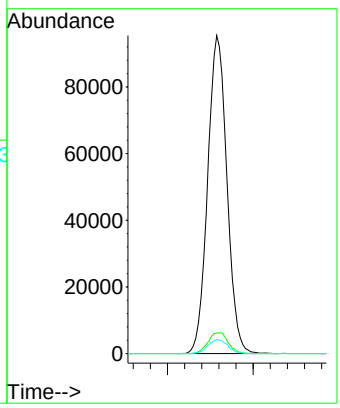
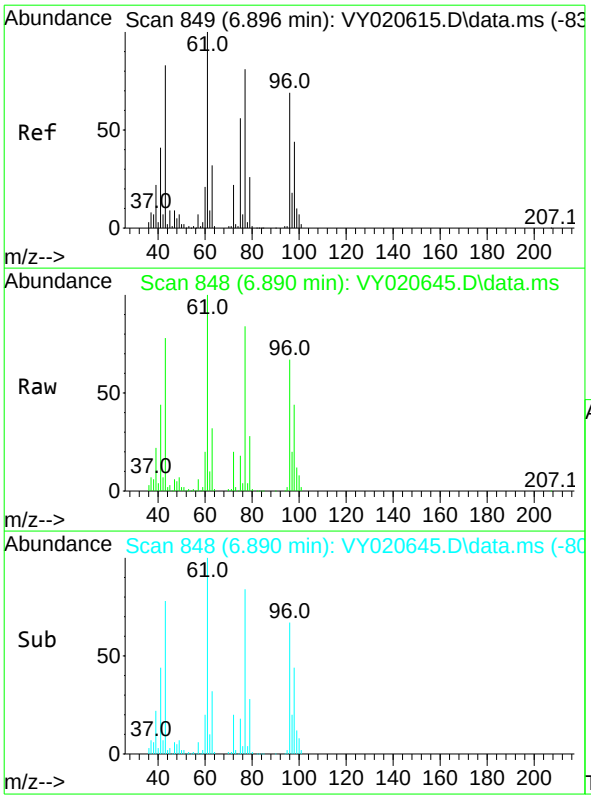


#24
1,1-Dichloroethane
Concen: 55.396 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 63 Resp: 298067

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.4	2.1	6.5

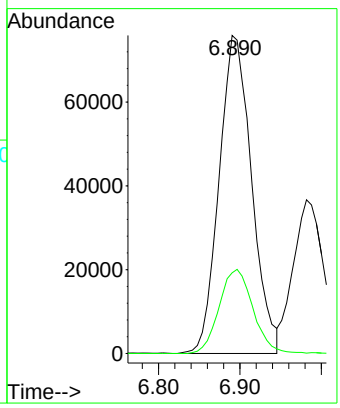




#25
2-Butanone
Concen: 251.894 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 211202

Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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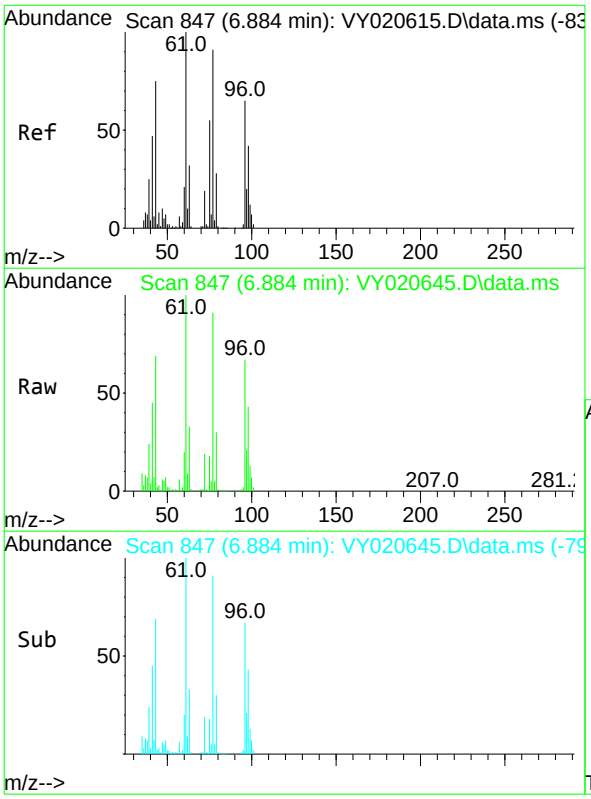
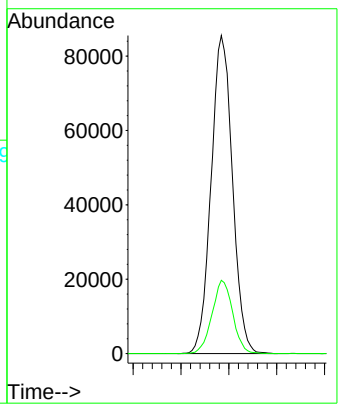
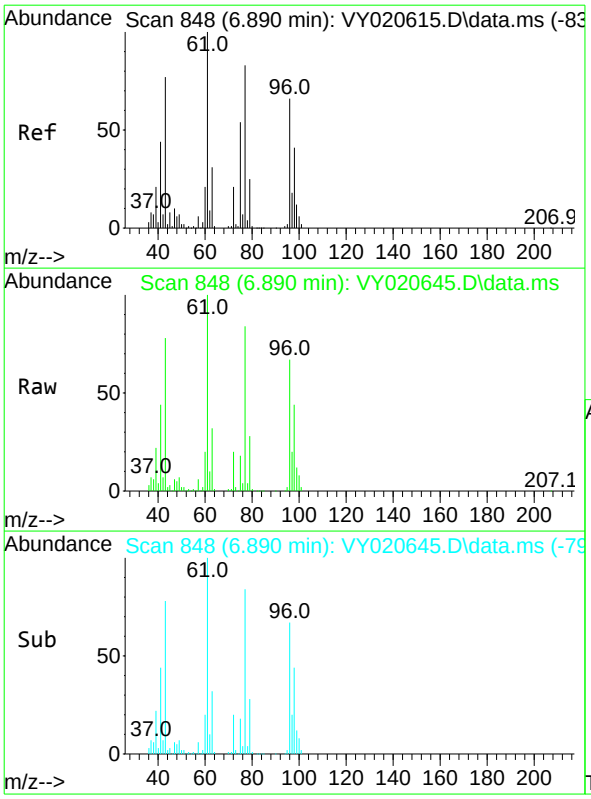


#26
2,2-Dichloropropane
Concen: 52.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 77 Resp: 264836

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6

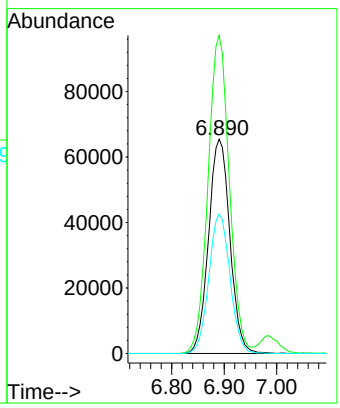




#27
cis-1,2-Dichloroethene
Concen: 55.409 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 96 Resp: 184657

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	306.2
98	64.8	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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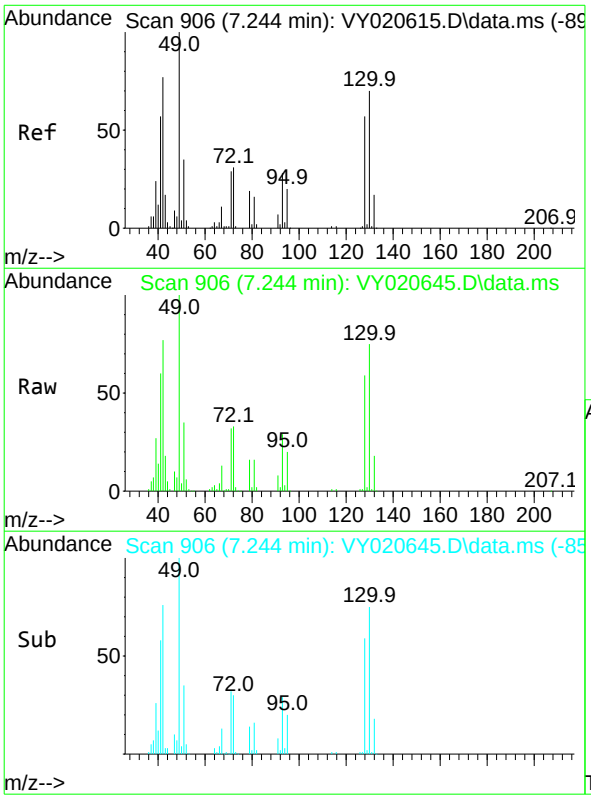
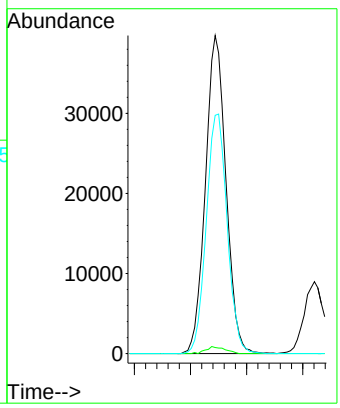
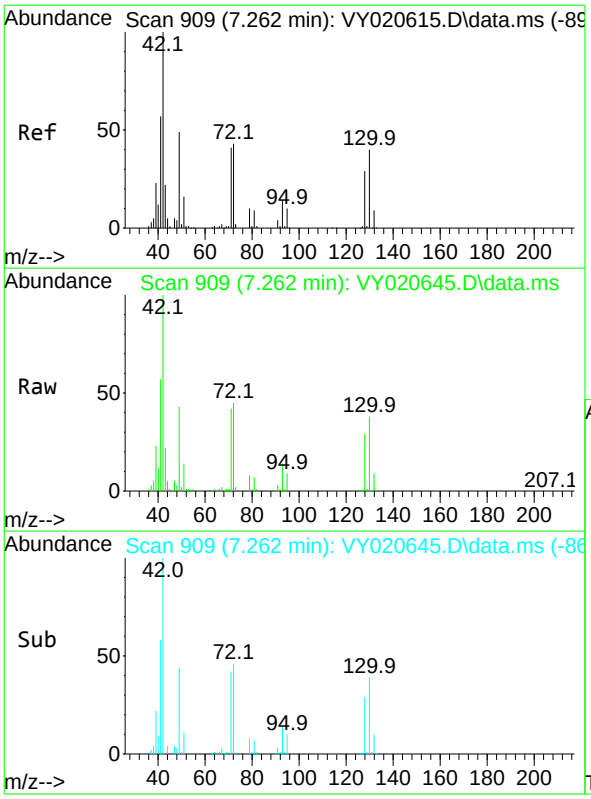


#28
Bromochloromethane
Concen: 55.679 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 49 Resp: 101052

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.5	58.3	87.5





#29
Tetrahydrofuran
Concen: 271.132 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 42 Resp: 143510

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.0	51.0
71	41.4	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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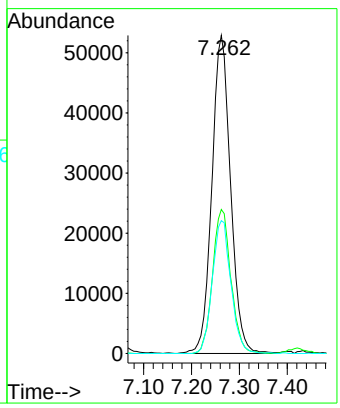
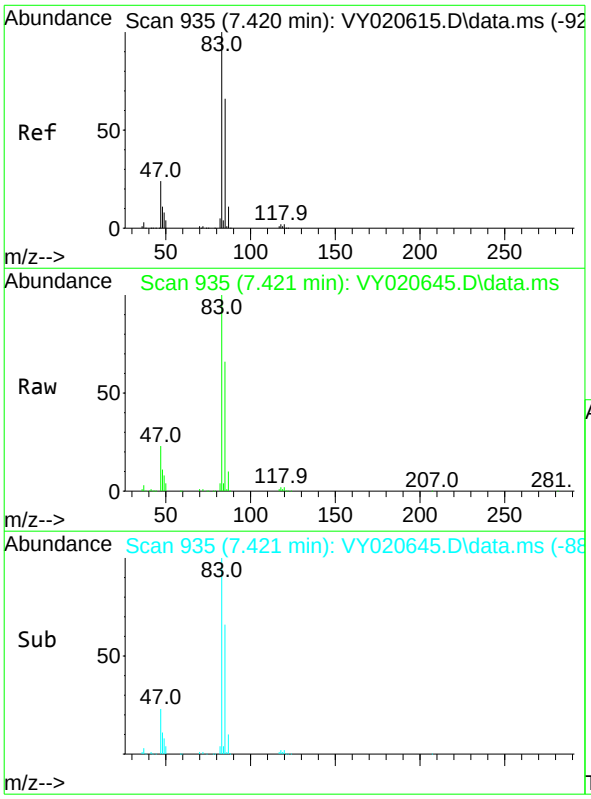
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

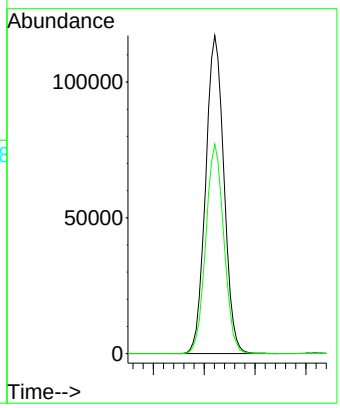


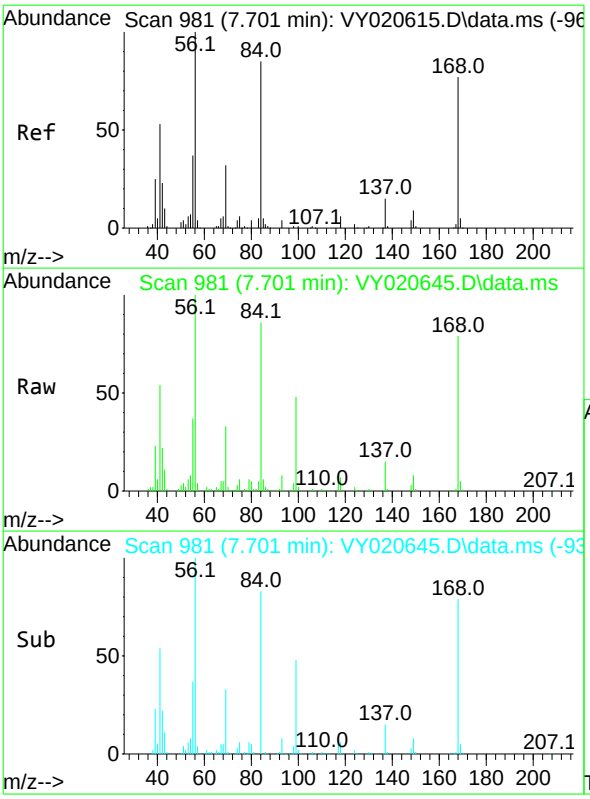


#30
Chloroform
Concen: 54.569 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 83 Resp: 292213

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





#31
Cyclohexane
Concen: 52.174 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 56 Resp: 268423

Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.4	38.0
84	84.6	68.3	102.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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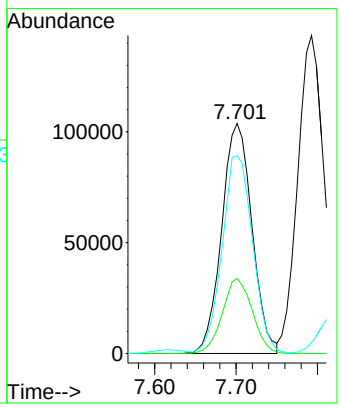
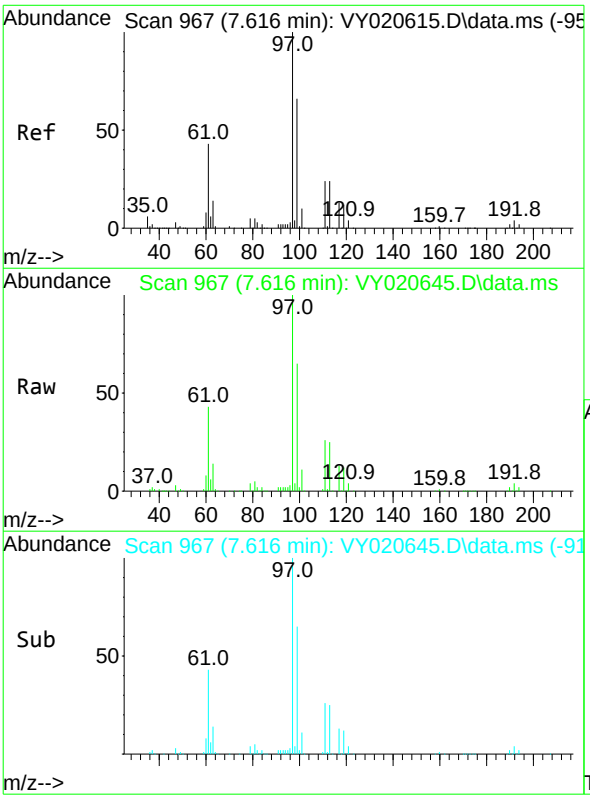
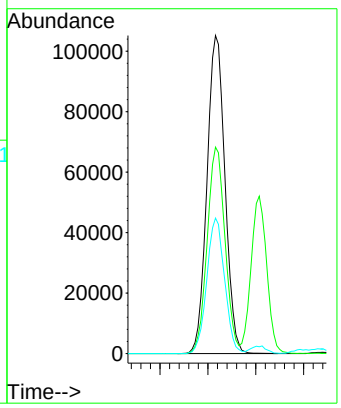


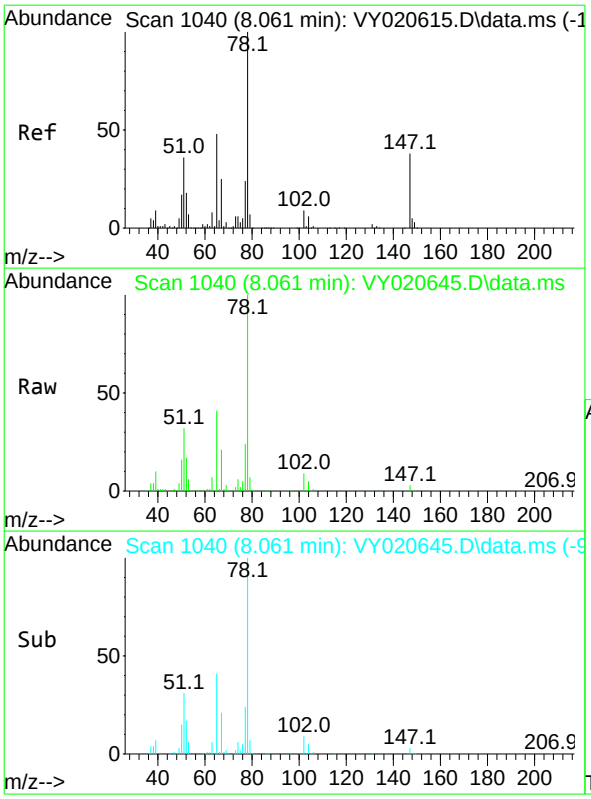


#32
1,1,1-Trichloroethane
Concen: 55.522 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 97 Resp: 274460

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.1	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 52.284 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 117960

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.0

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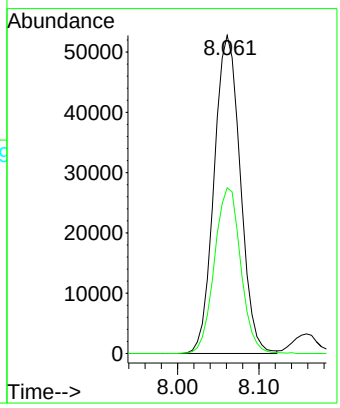
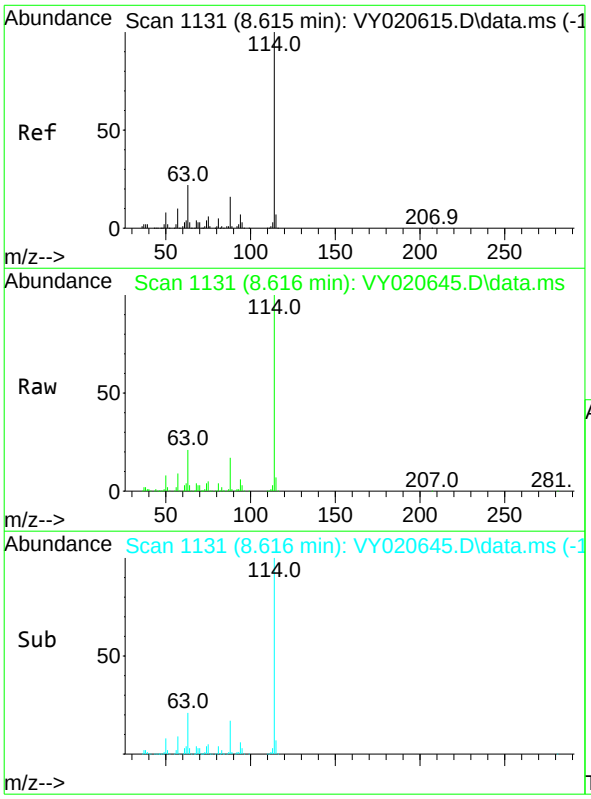
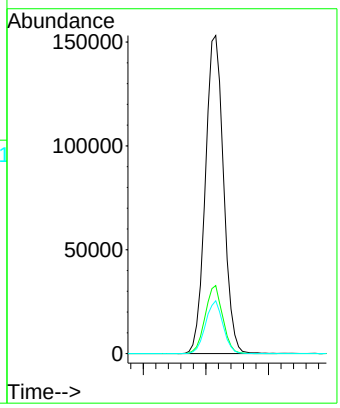


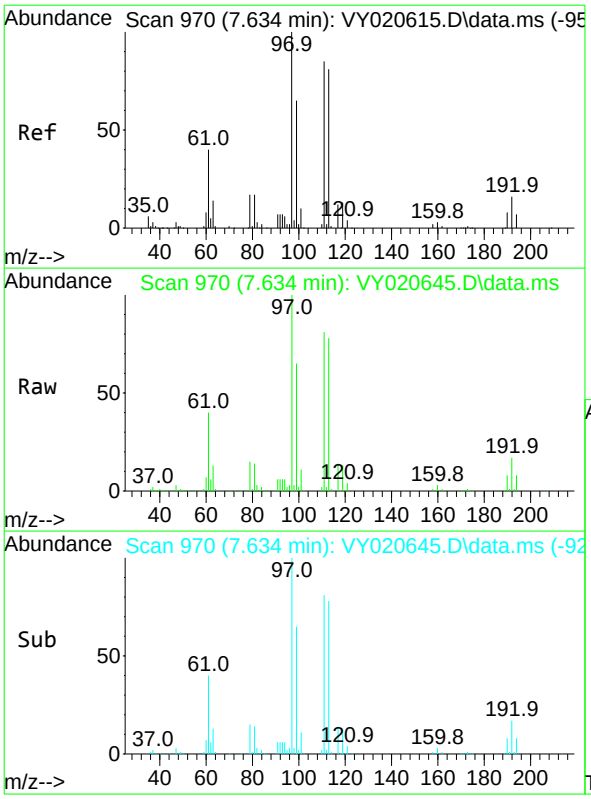


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:114 Resp: 308825

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.6	0.0	32.8





#35
Dibromofluoromethane
Concen: 56.450 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:113 Resp: 122865

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.1	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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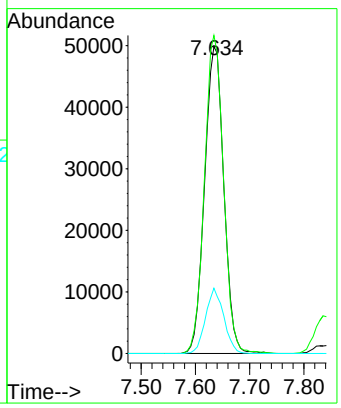
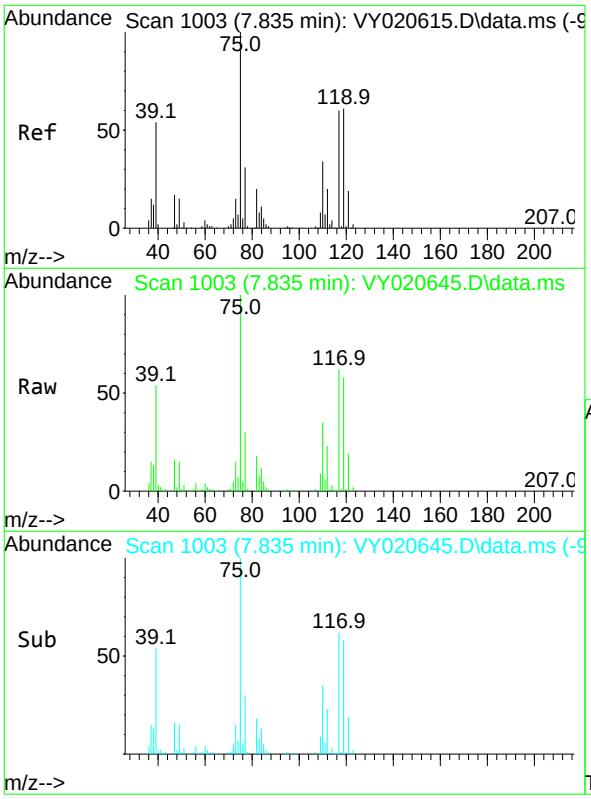
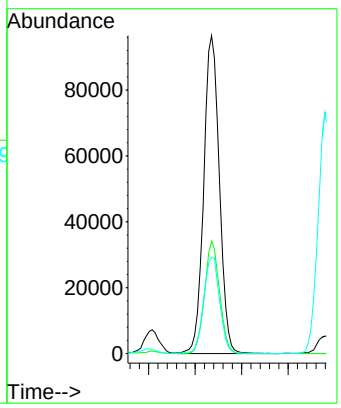


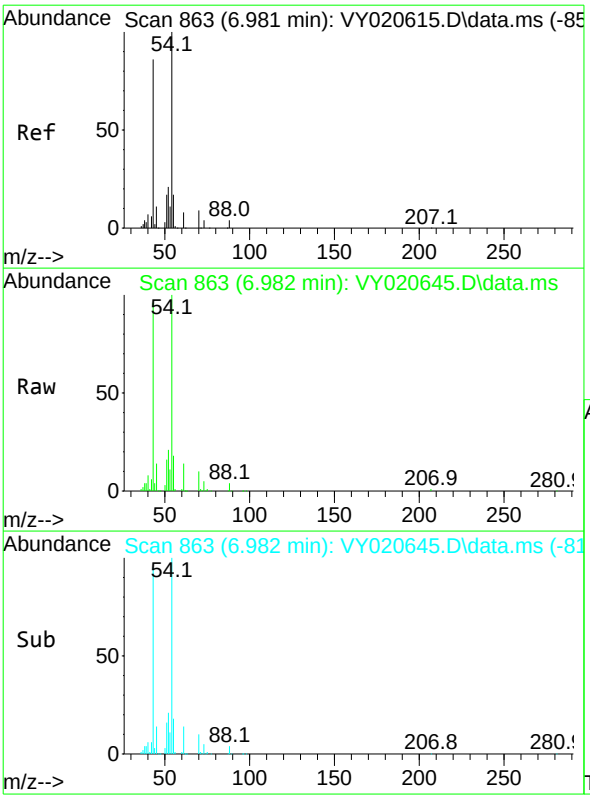


#36
1,1-Dichloropropene
Concen: 56.915 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 225884

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	31.0	25.0	37.6





#37
Ethyl Acetate
Concen: 53.805 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 100446

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.6	7.9	11.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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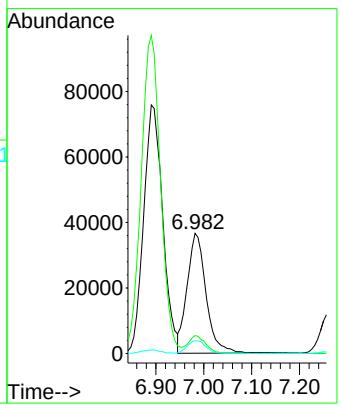
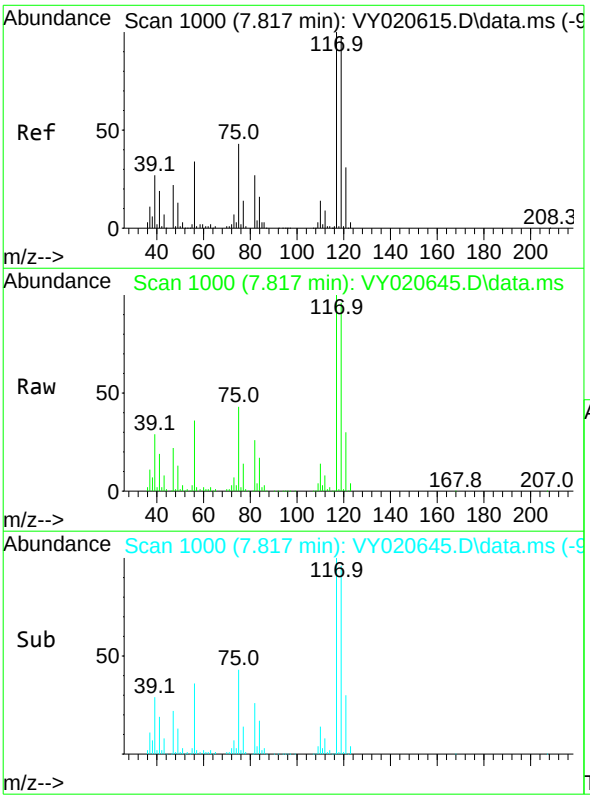
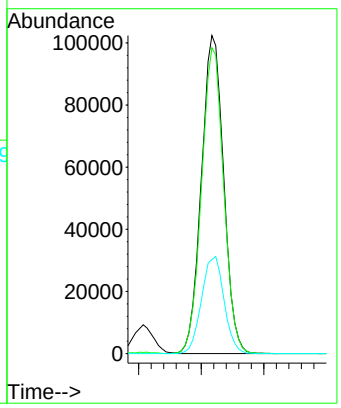


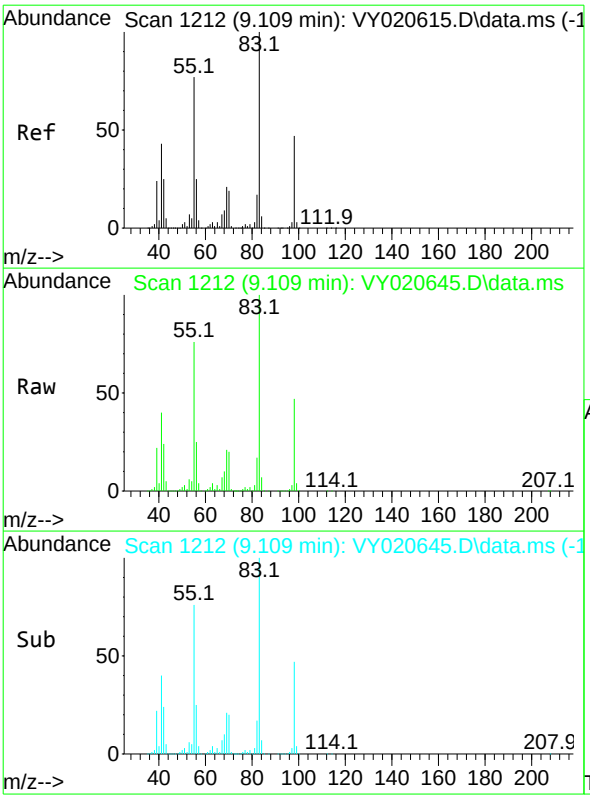


#38
Carbon Tetrachloride
Concen: 57.572 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:117 Resp: 252799

Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.3	117.5
121	29.6	25.1	37.7





#39
Methylcyclohexane
Concen: 55.640 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 83 Resp: 287808

Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.4	92.0
98	47.5	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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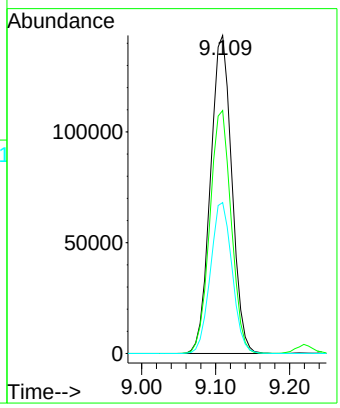
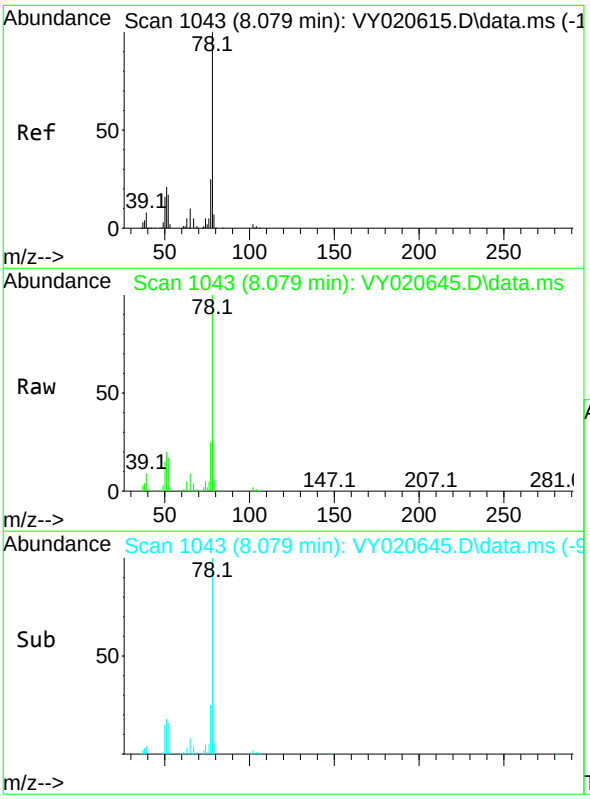
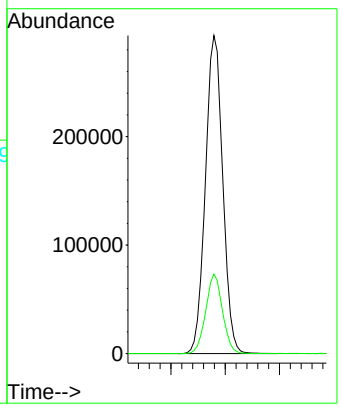


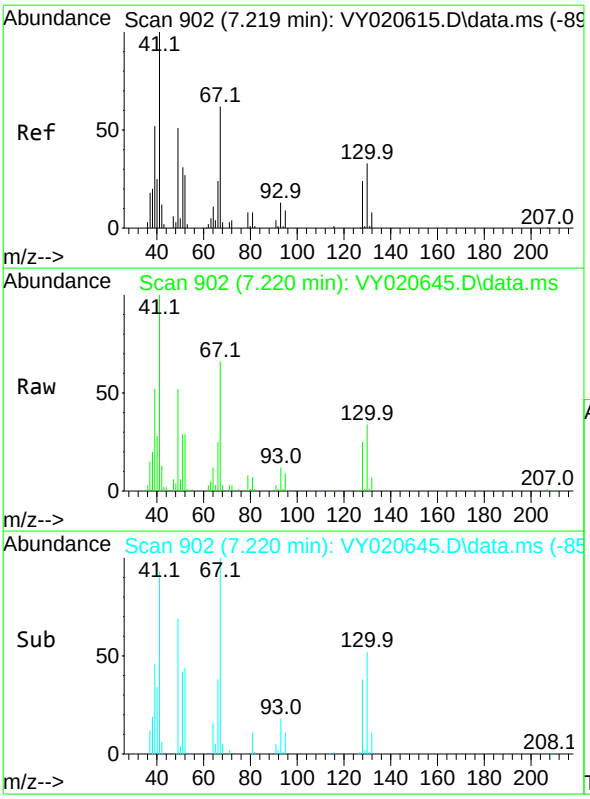


#40
Benzene
Concen: 55.955 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 78 Resp: 650927

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1

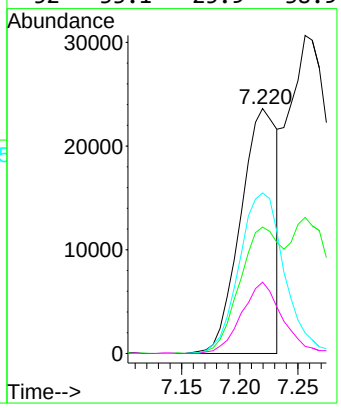




#41
Methacrylonitrile
Concen: 52.143 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 41 Resp: 51462

Ion	Ratio	Lower	Upper
41	100		
39	59.5	53.6	80.4
67	81.5	62.0	93.0
52	33.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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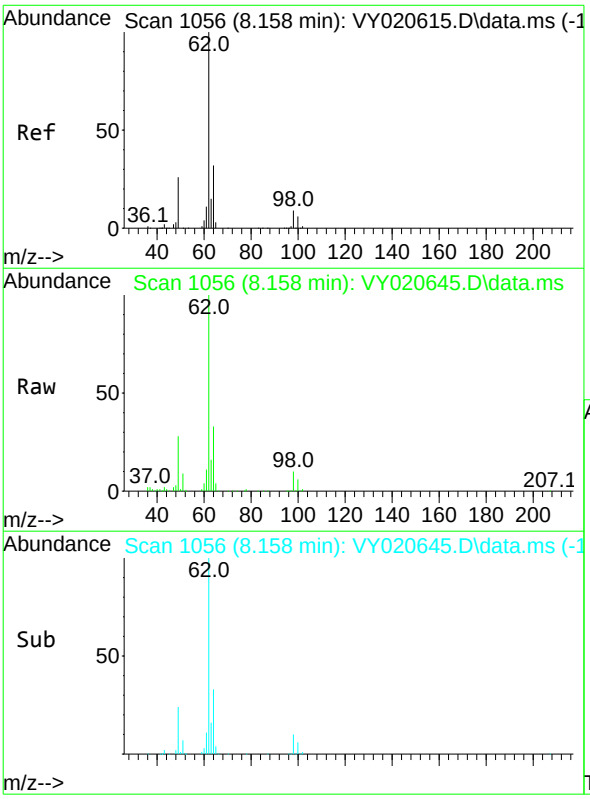
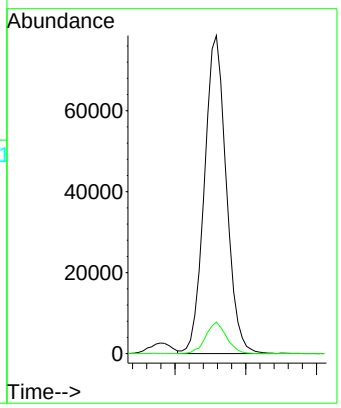
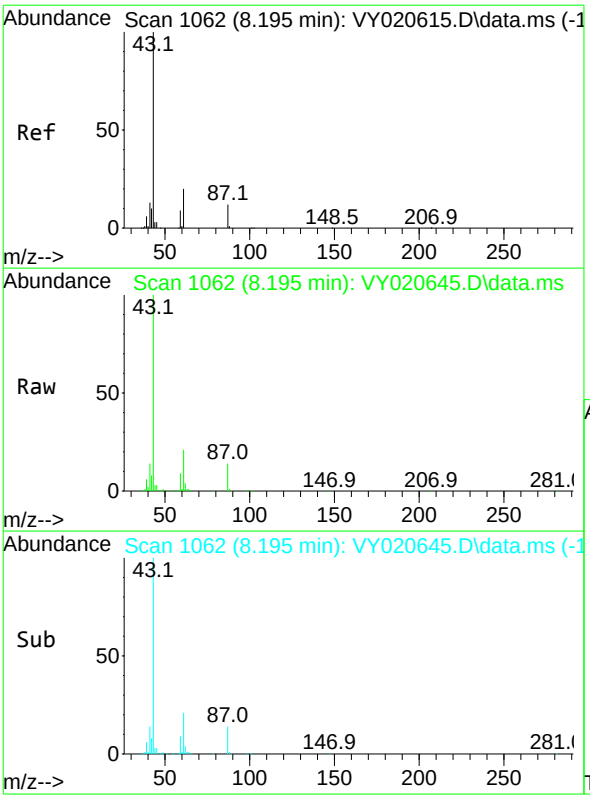


#42
1,2-Dichloroethane
Concen: 54.747 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 62 Resp: 168914

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0

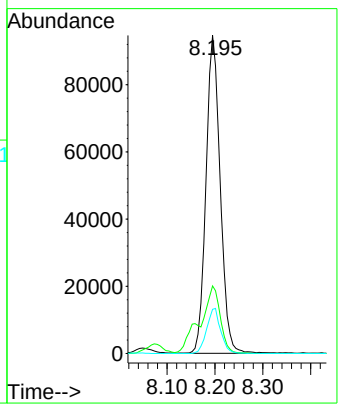




#43
Isopropyl Acetate
Concen: 55.280 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 195375

Ion	Ratio	Lower	Upper
43	100		
61	21.3	23.8	35.6#
87	13.9	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
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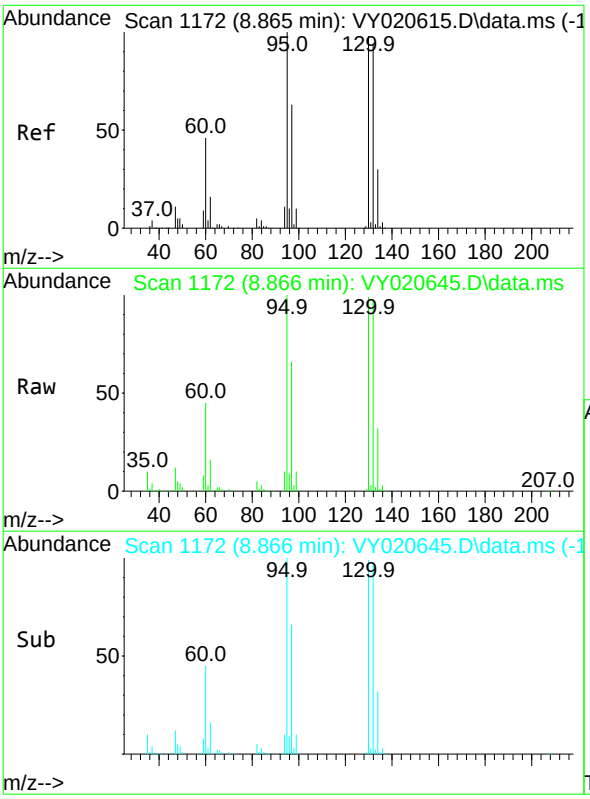
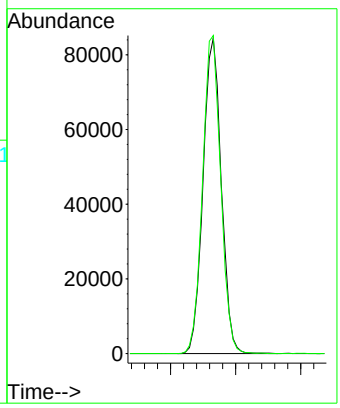
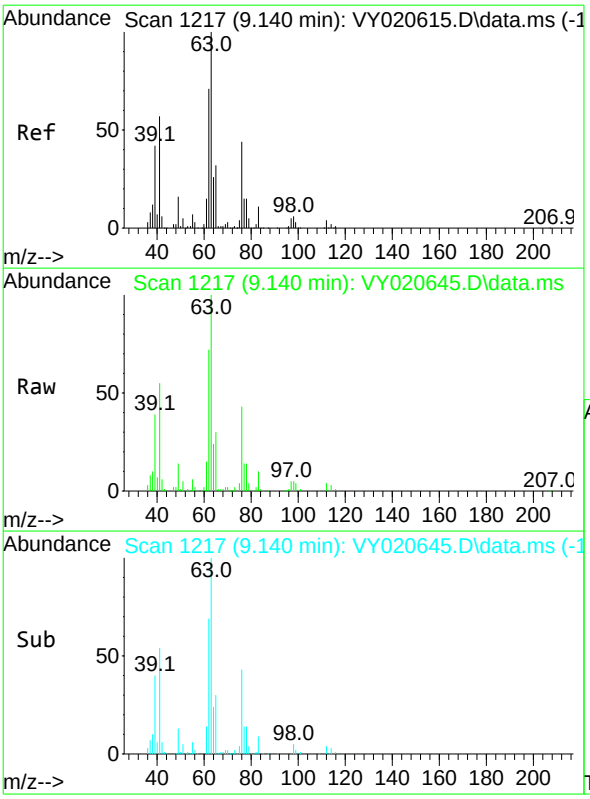


#44
Trichloroethene
Concen: 57.447 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:130 Resp: 164213

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2

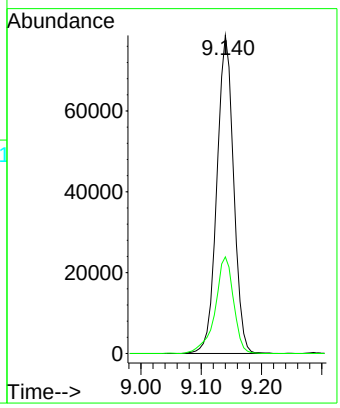




#45
1,2-Dichloropropane
Concen: 55.786 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 63 Resp: 151671

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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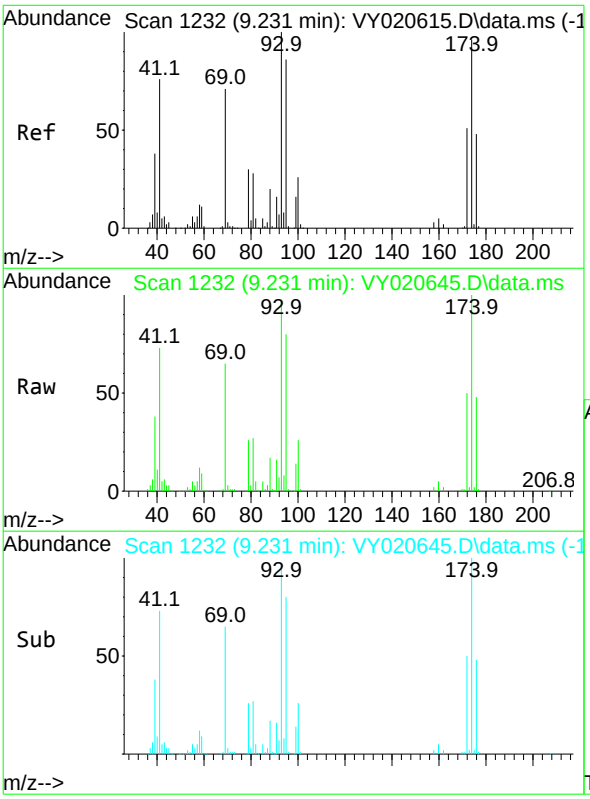
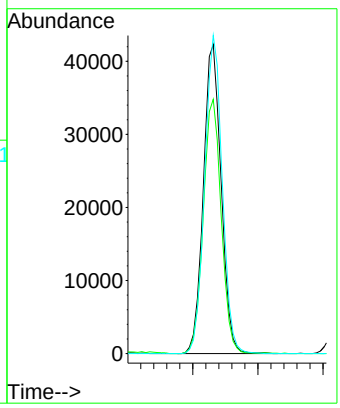
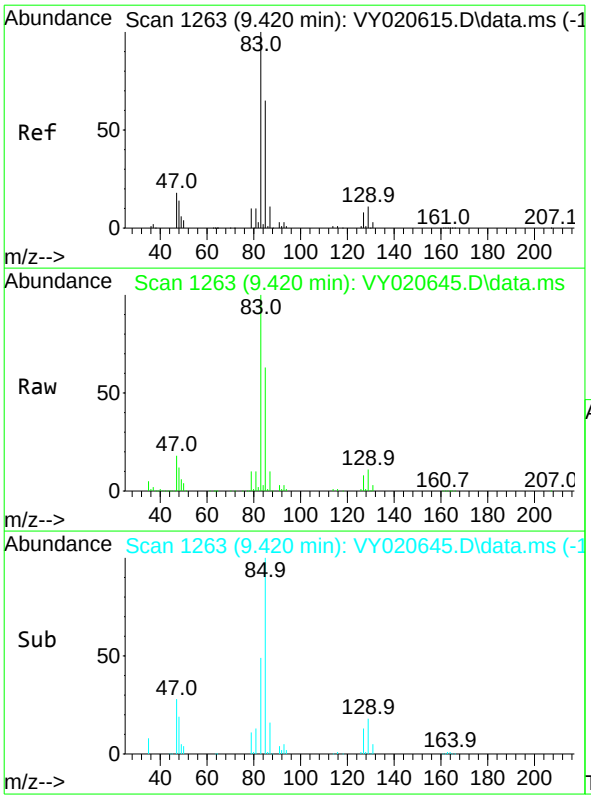


#46
Dibromomethane
Concen: 55.885 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 93 Resp: 80300

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	101.6	77.8	116.6

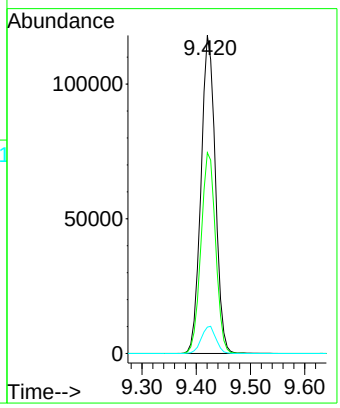




#47
Bromodichloromethane
Concen: 56.001 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 83 Resp: 217355

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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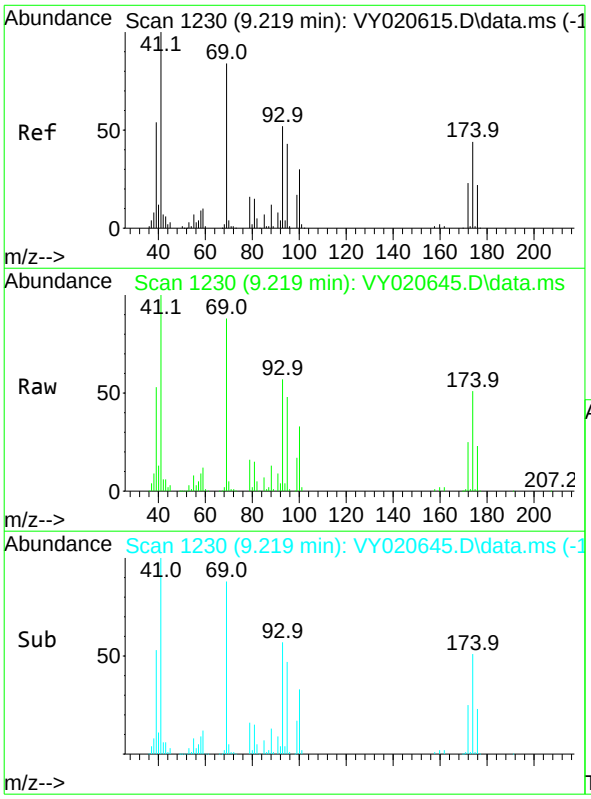
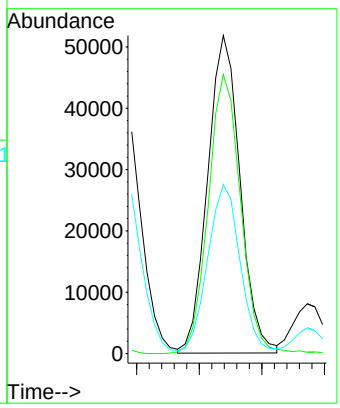
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

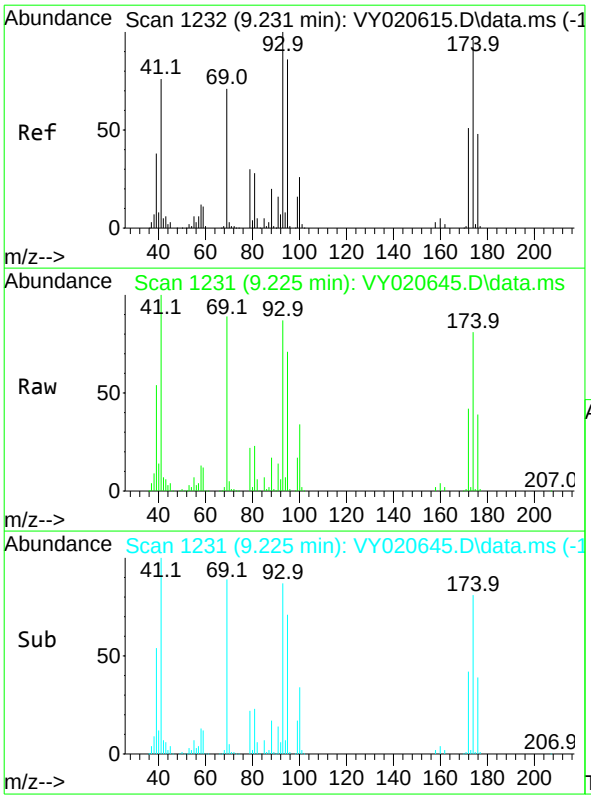


#48
Methyl methacrylate
Concen: 55.418 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 41 Resp: 93111

Ion	Ratio	Lower	Upper
41	100		
69	88.0	67.2	100.8
39	51.9	42.2	63.4





#49
1,4-Dioxane
Concen: 1164.626 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 88 Resp: 19191

Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.6	41.4
58	73.2	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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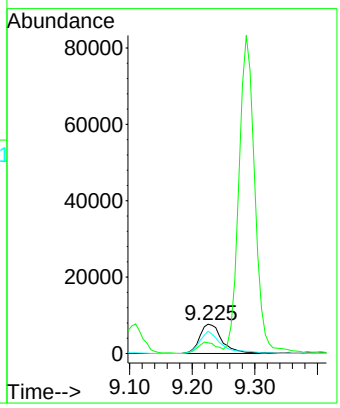
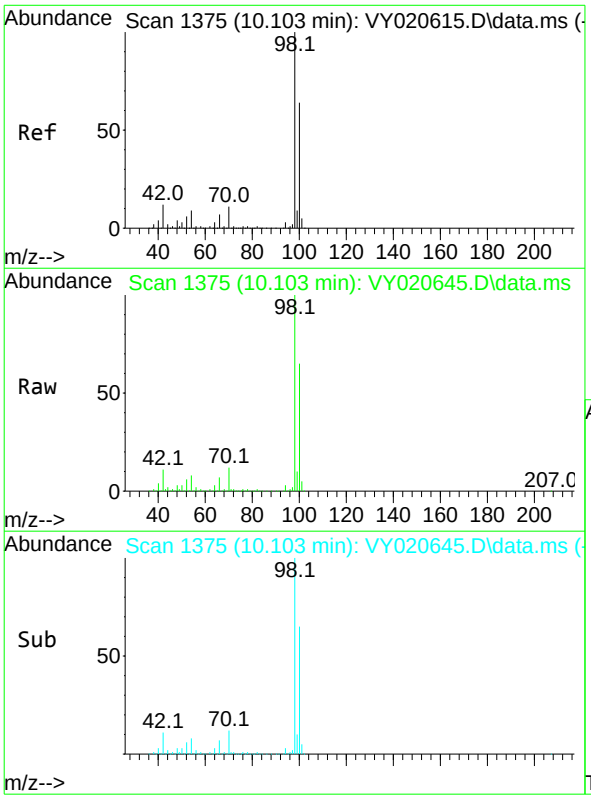
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

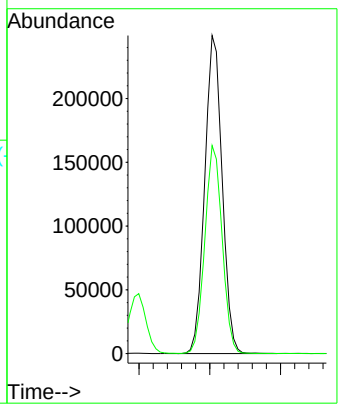


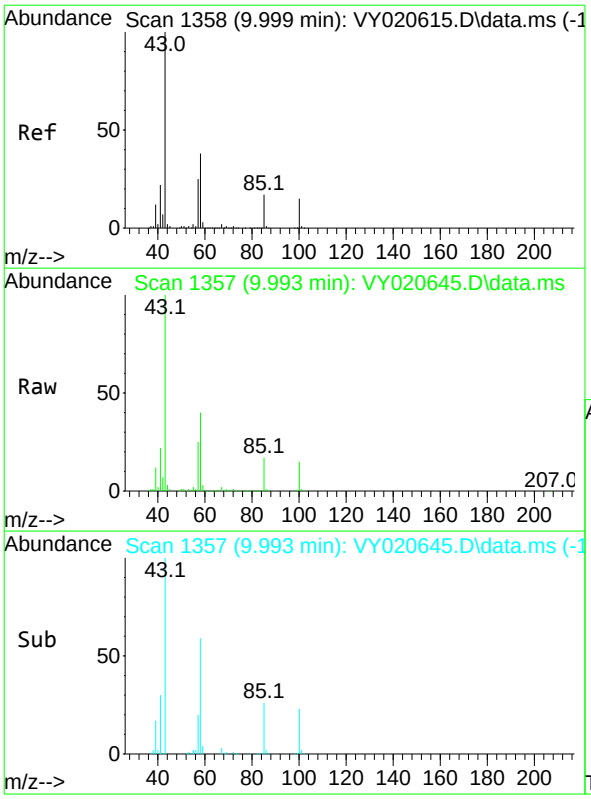


#50
Toluene-d8
Concen: 55.973 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 98 Resp: 426408

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

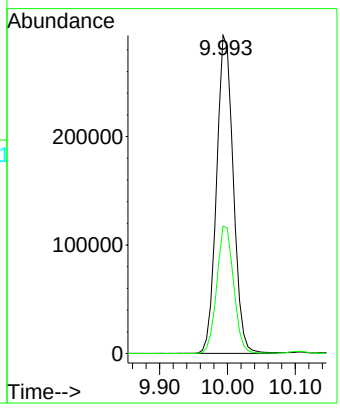




#51
4-Methyl-2-Pentanone
Concen: 269.490 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 502739

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.4	47.2



Instrument :
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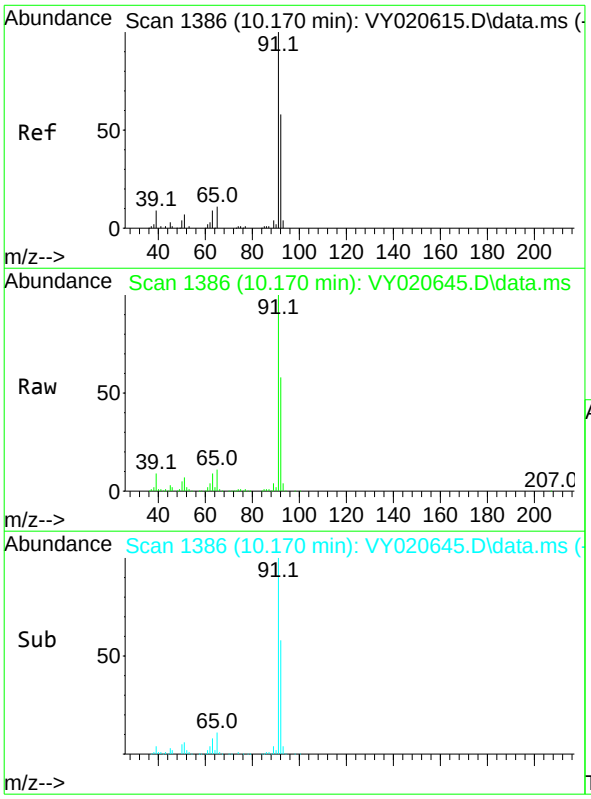
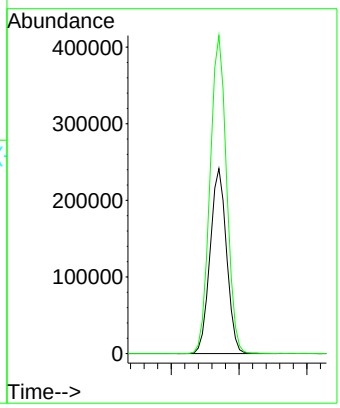
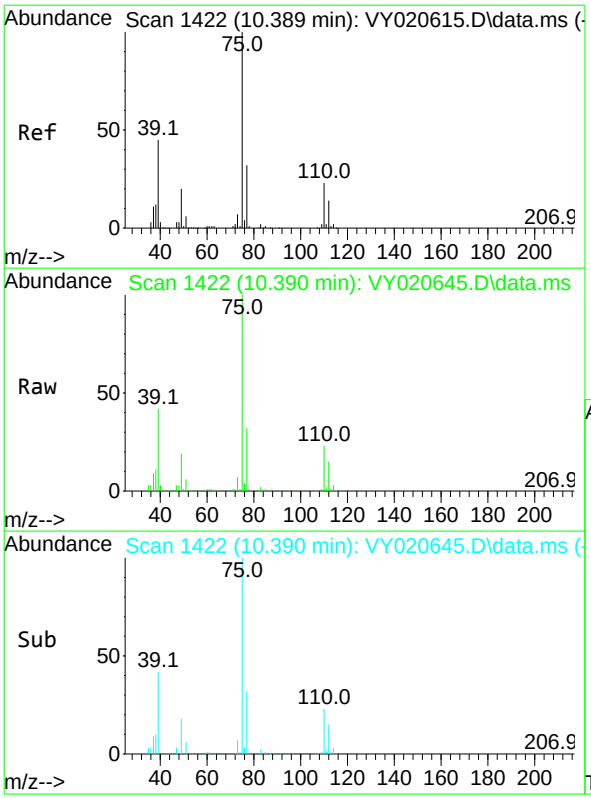


#52
Toluene
Concen: 56.356 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 92 Resp: 407430

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.0

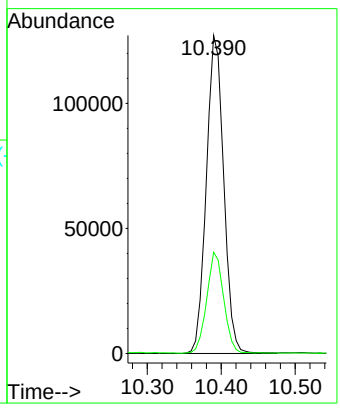




#53
t-1,3-Dichloropropene
Concen: 57.330 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 207340

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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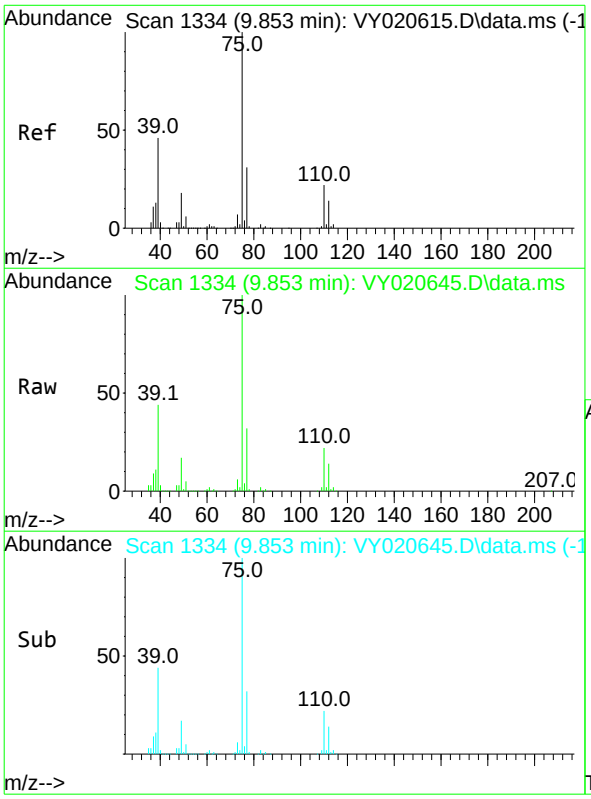
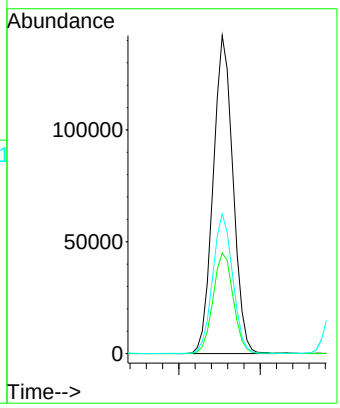
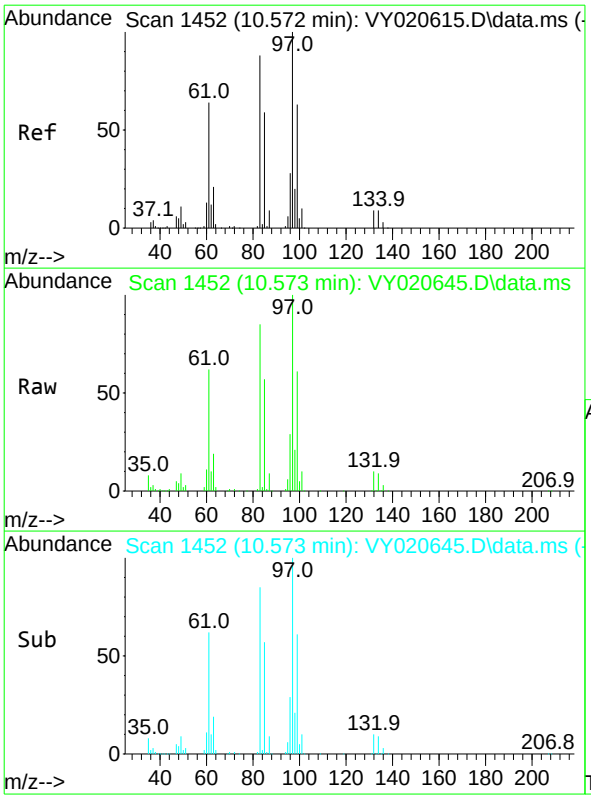


#54
cis-1,3-Dichloropropene
Concen: 56.364 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 241551

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	43.9	36.4	54.6





#55
1,1,2-Trichloroethane
Concen: 57.107 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 108487

Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.4	105.6
85	56.6	47.2	70.8
99	61.2	50.0	75.0

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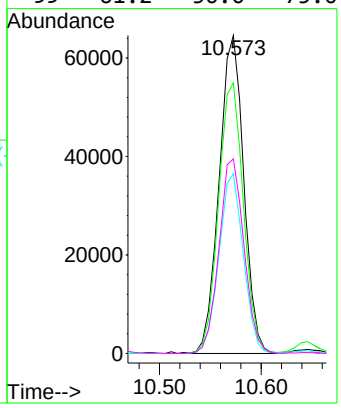
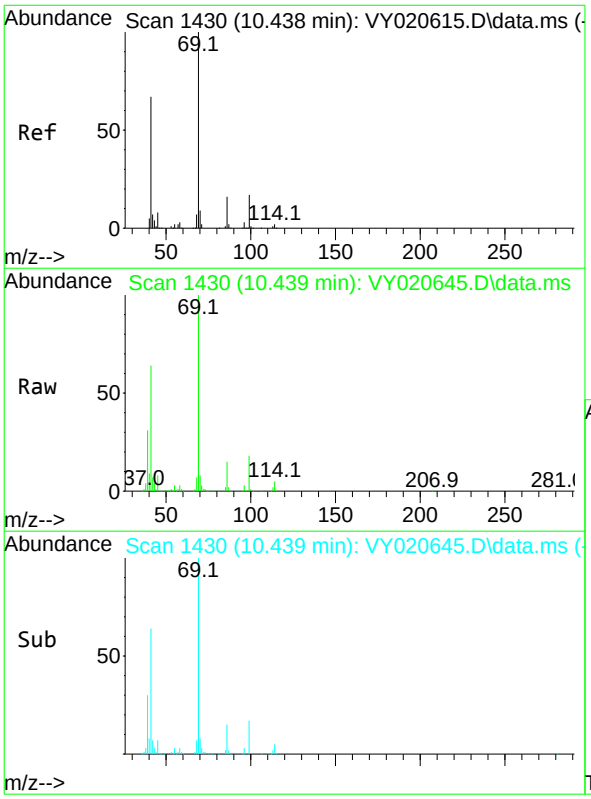
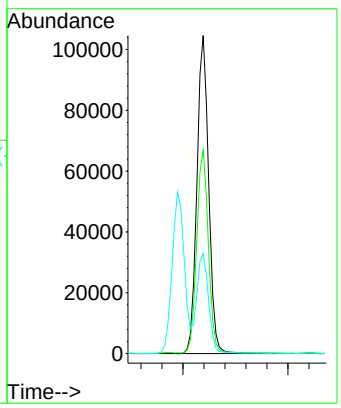


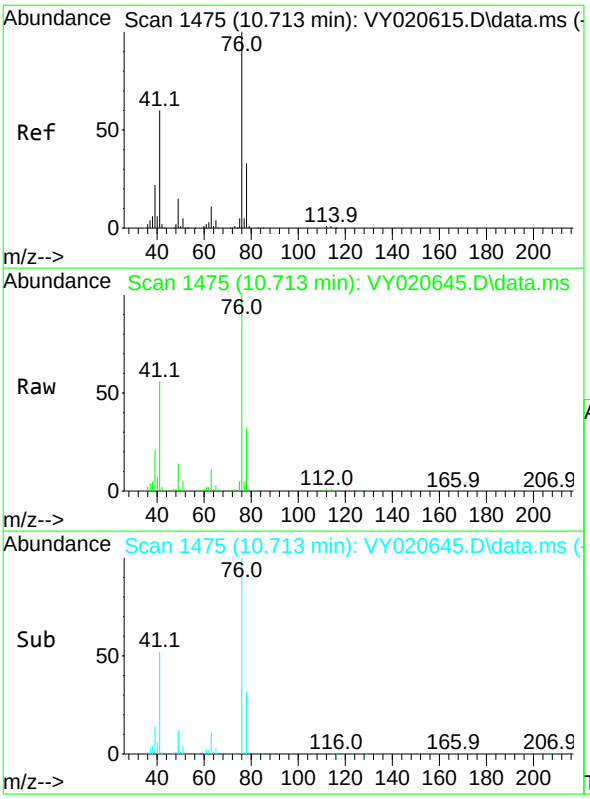


#56
Ethyl methacrylate
Concen: 58.883 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 69 Resp: 162282

Ion	Ratio	Lower	Upper
69	100		
41	62.7	54.0	81.0
39	31.9	27.9	41.9

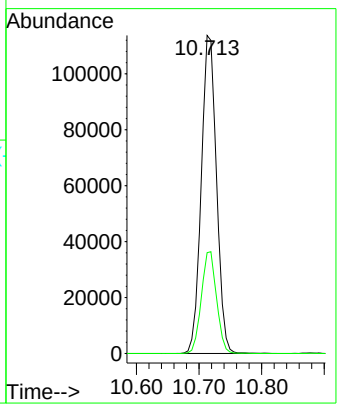




#57
1,3-Dichloropropane
Concen: 56.787 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 76 Resp: 192310

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8



Instrument :
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ClientSampleId :
VSTDCCC050

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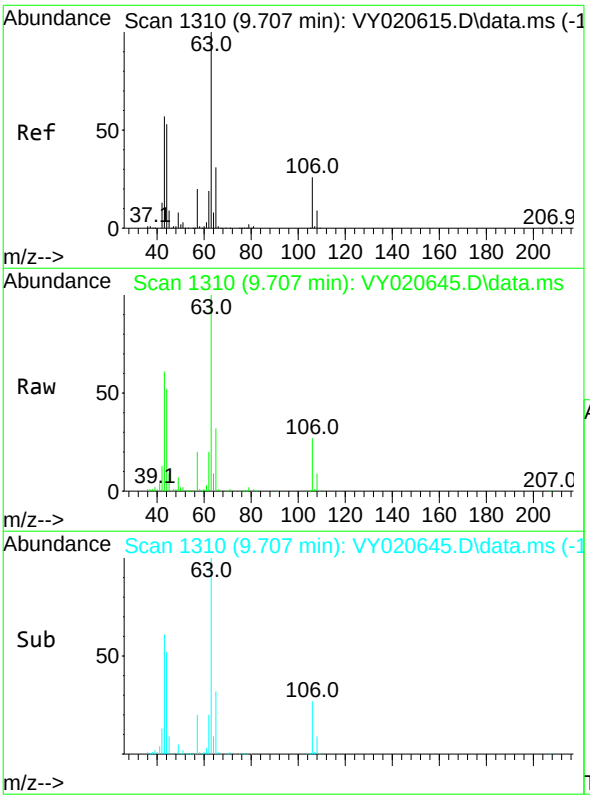
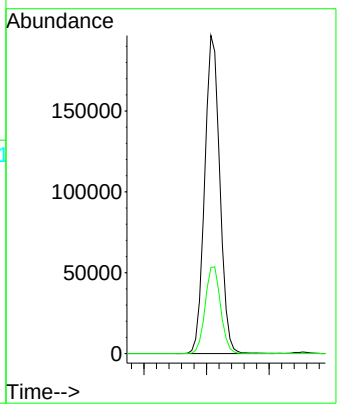
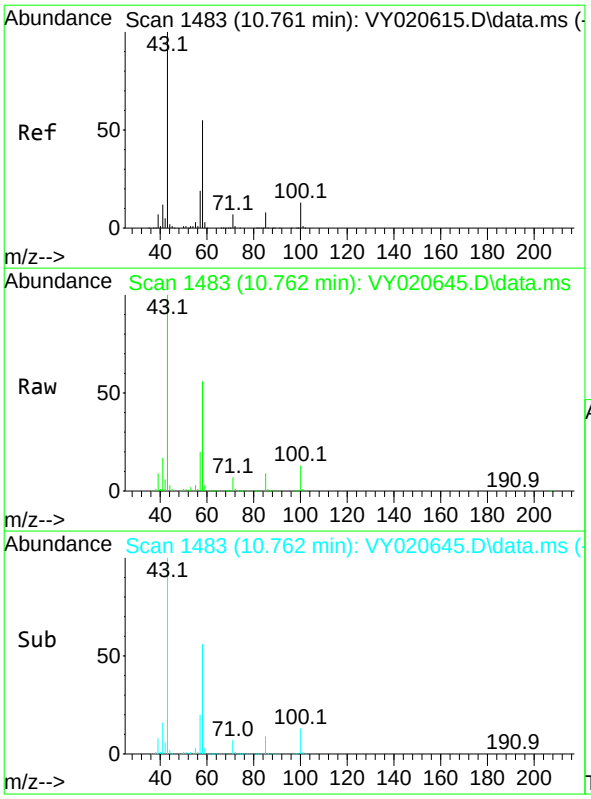


#58
2-Chloroethyl Vinyl ether
Concen: 284.827 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 63 Resp: 330296

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.5	32.3





#59
2-Hexanone
Concen: 277.291 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 332124

Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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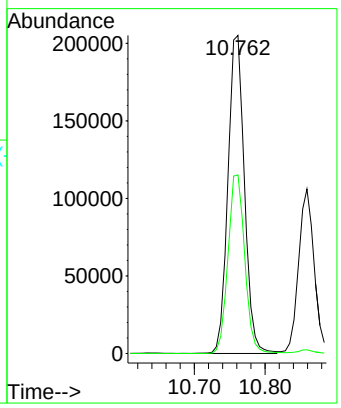
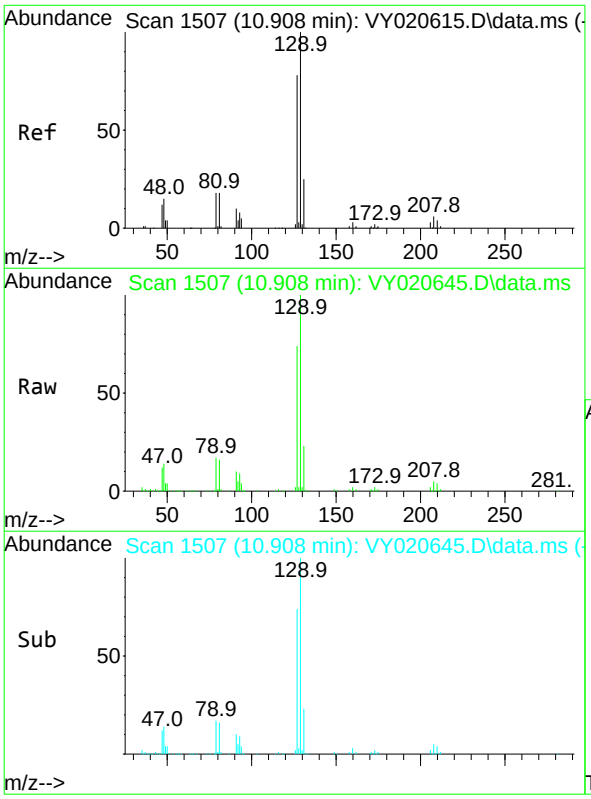
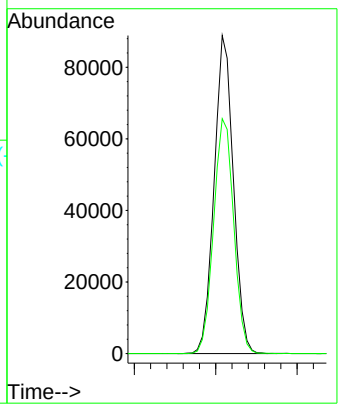


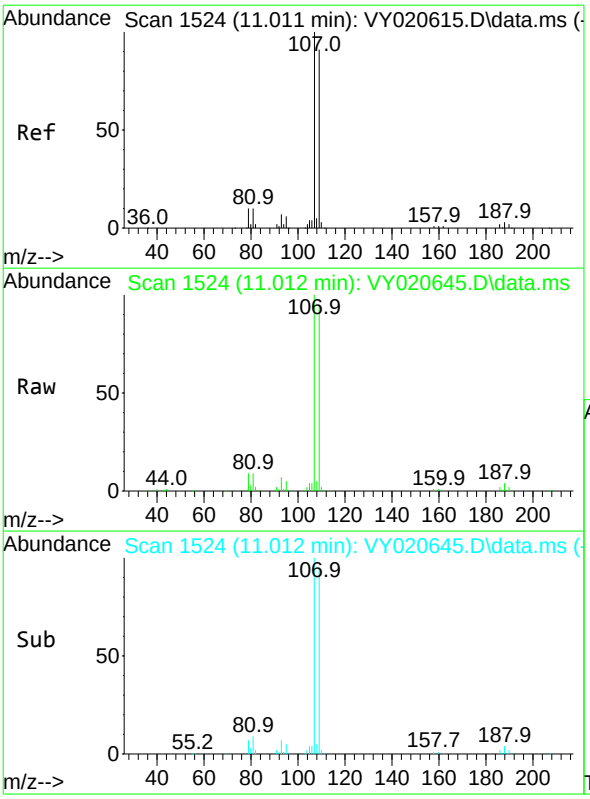


#60
Dibromochloromethane
Concen: 57.418 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:129 Resp: 145879

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.1	114.3





#61
1,2-Dibromoethane
Concen: 56.781 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:107 Resp: 100336

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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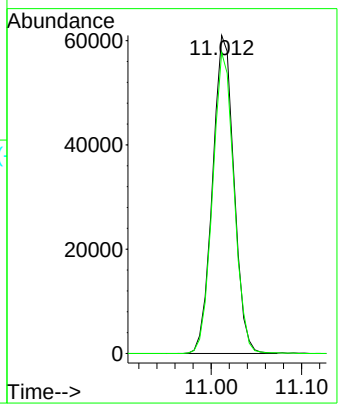
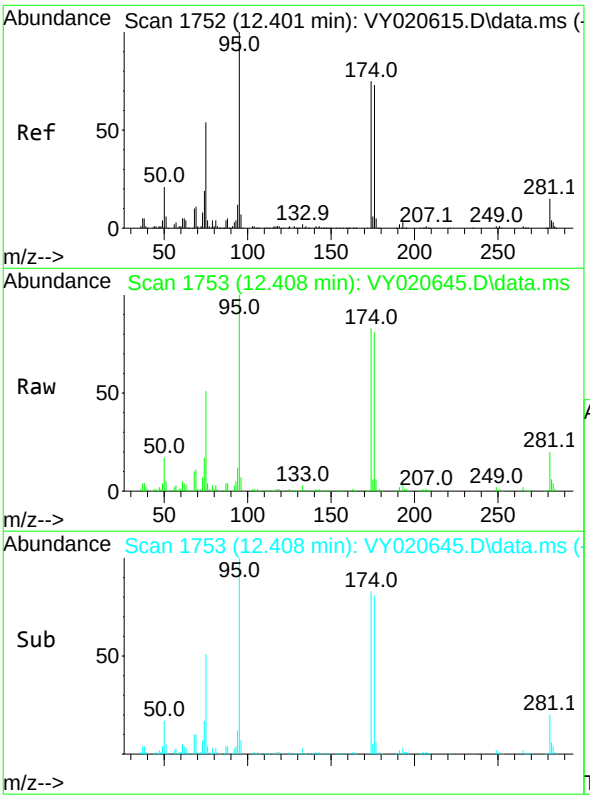
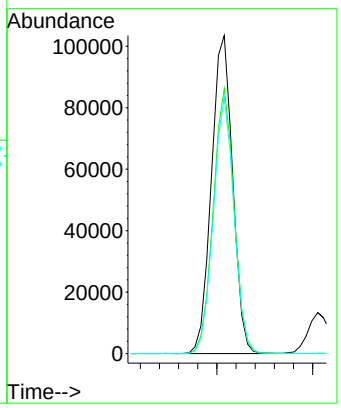


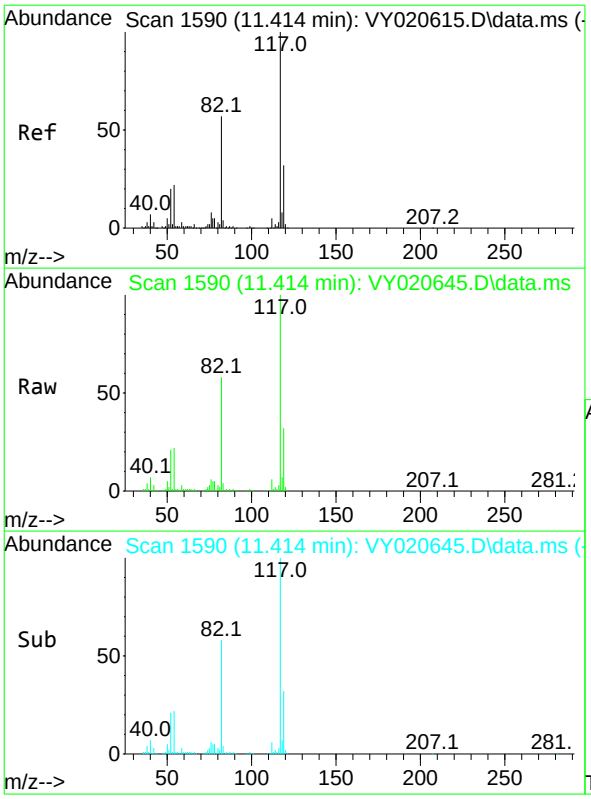


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 95 Resp: 159346

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	161.8
176	78.6	0.0	156.6

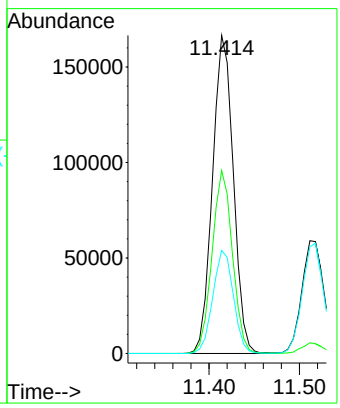




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:117 Resp: 266753

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	32.4	25.3	37.9



Instrument :
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ClientSampleId :
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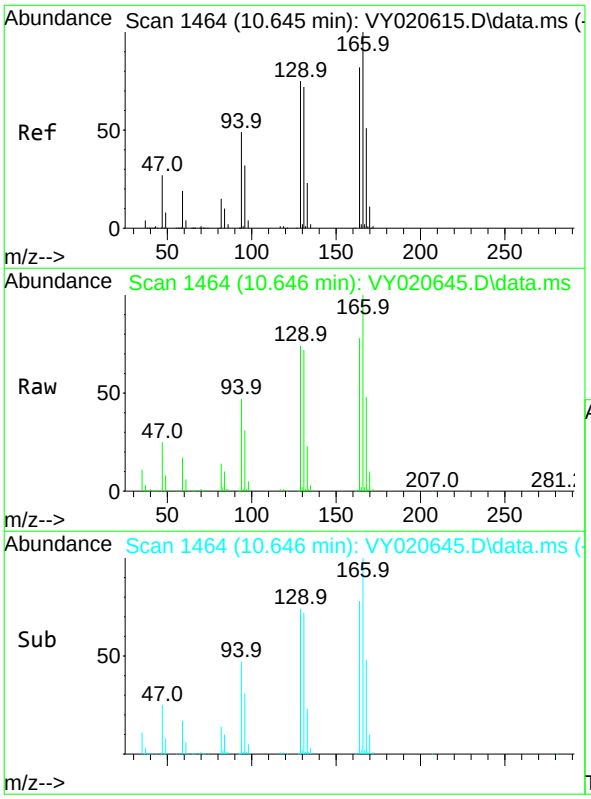
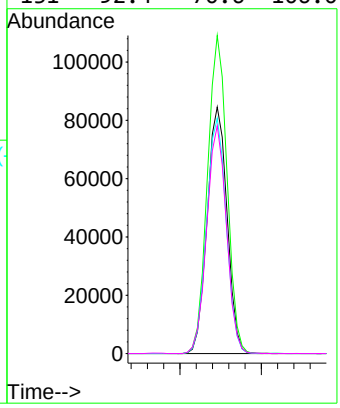
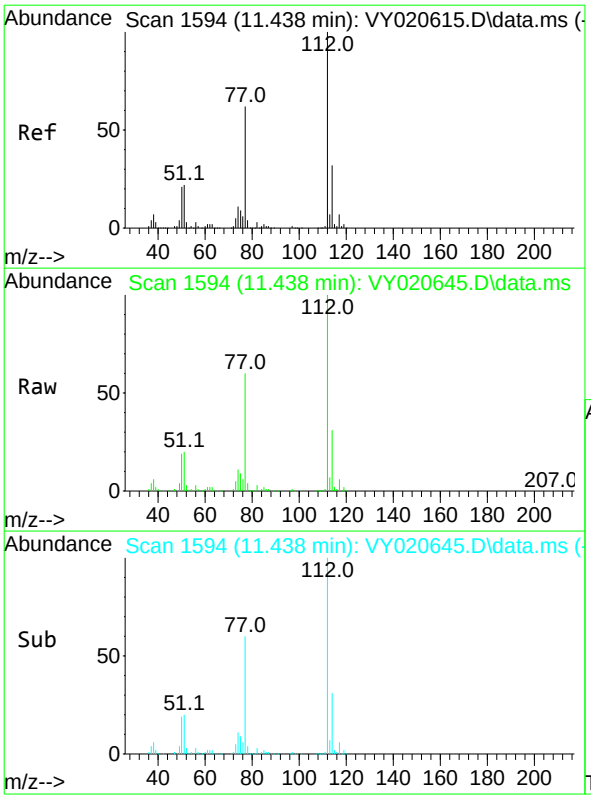


#64
Tetrachloroethene
Concen: 57.159 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:164 Resp: 143419

Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.9	146.9
129	95.4	73.4	110.0
131	92.4	70.6	106.0

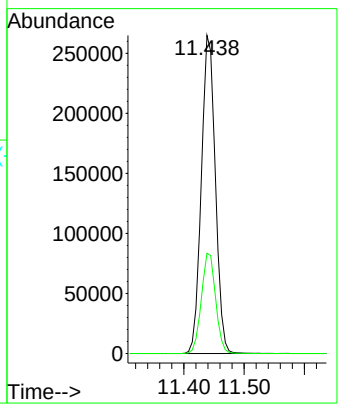




#65
Chlorobenzene
Concen: 57.381 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:112 Resp: 427986

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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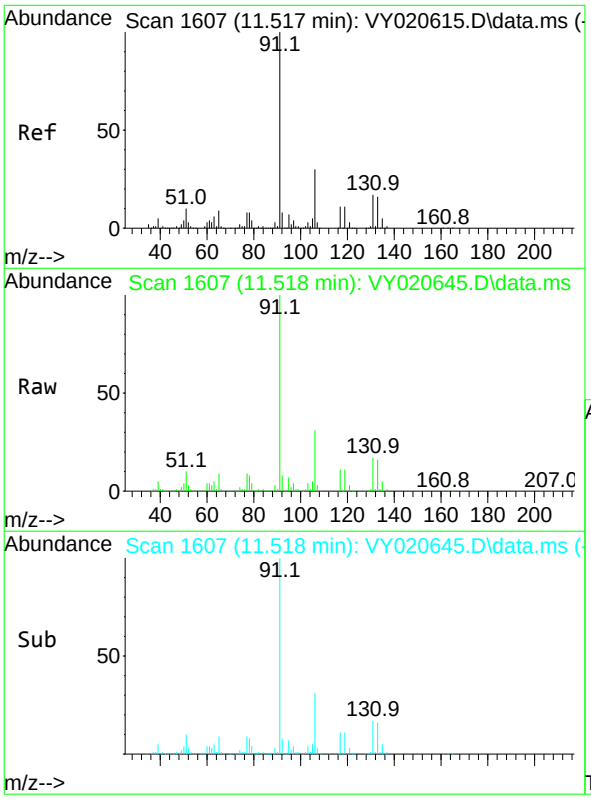
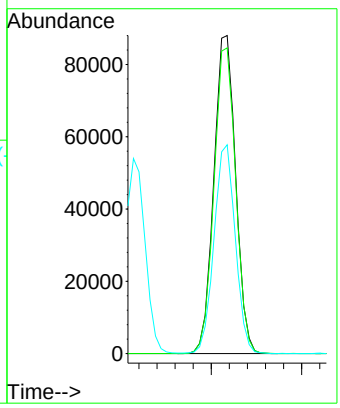
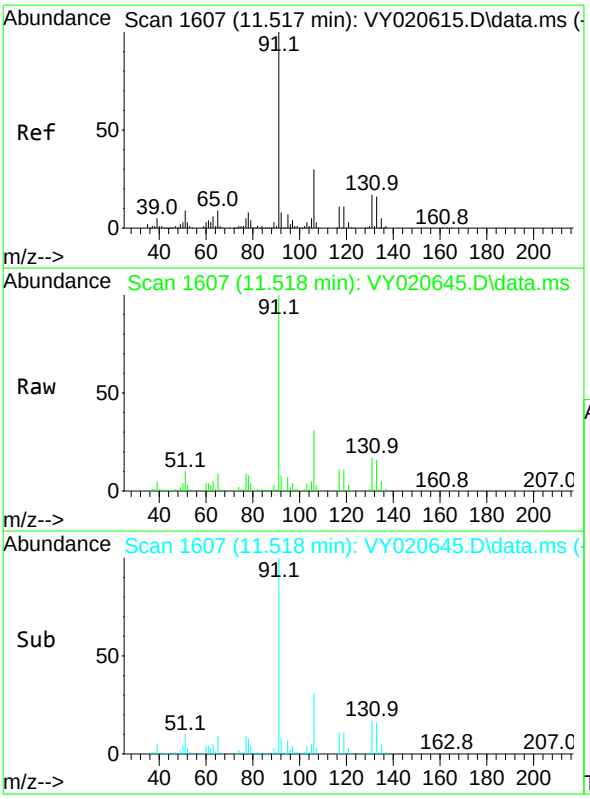


#66
1,1,1,2-Tetrachloroethane
Concen: 57.723 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:131 Resp: 147222

Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.8	140.3
119	64.3	31.8	95.3

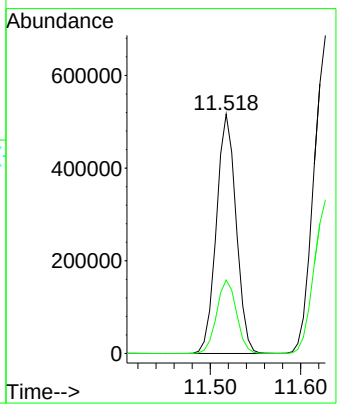




#67
Ethyl Benzene
Concen: 56.821 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 781876

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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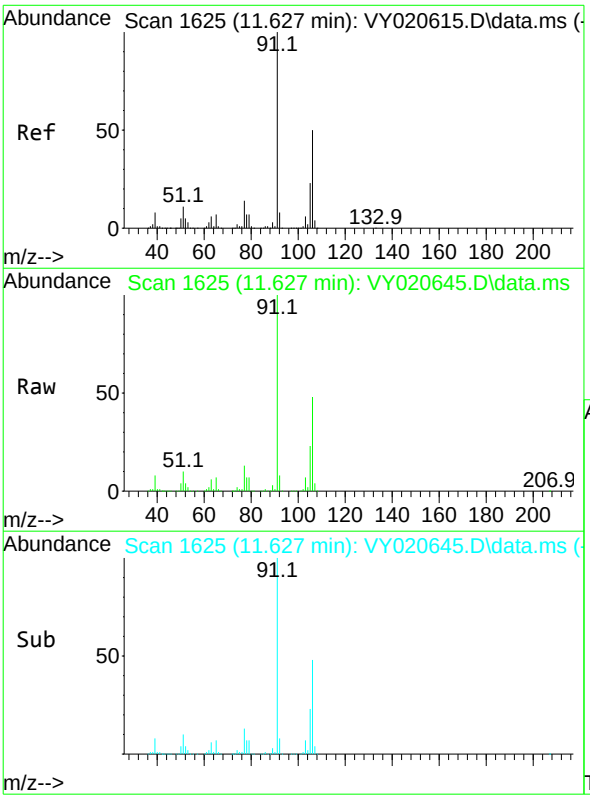
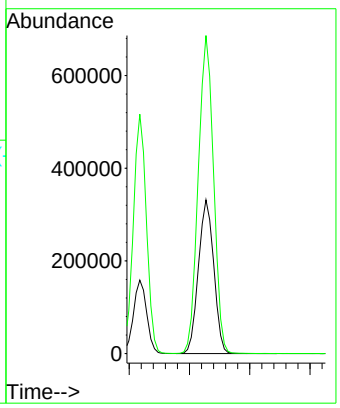
Supervised By :Semsettin Yesilyurt 12/20/2024

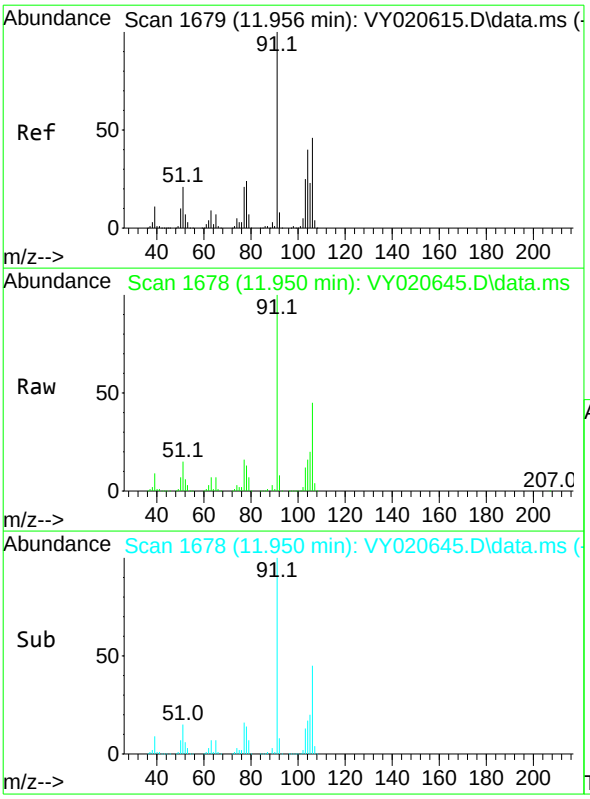


#68
m/p-Xylenes
Concen: 114.405 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:106 Resp: 585329

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.0	247.4





#69
o-Xylene
Concen: 57.438 ug/l
RT: 11.950 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:106 Resp: 274190

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
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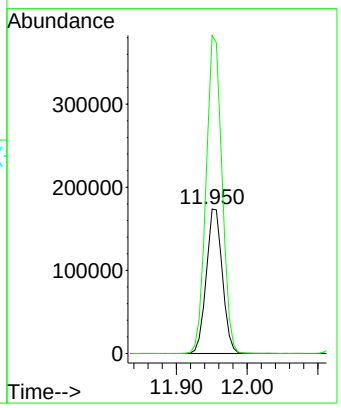
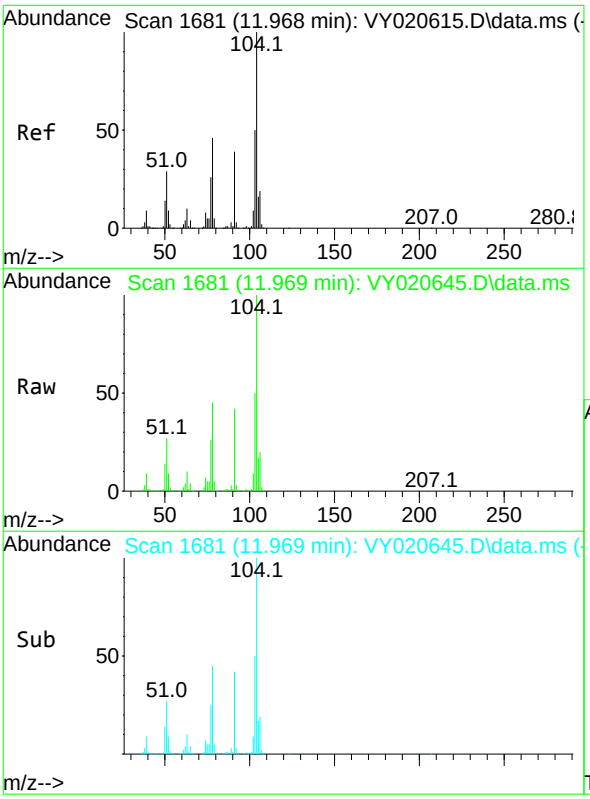
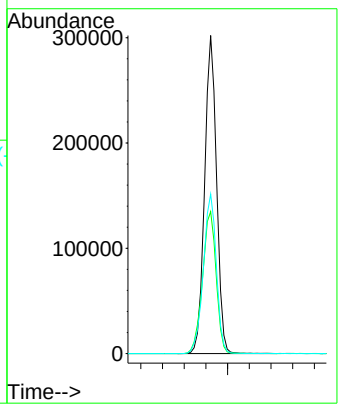


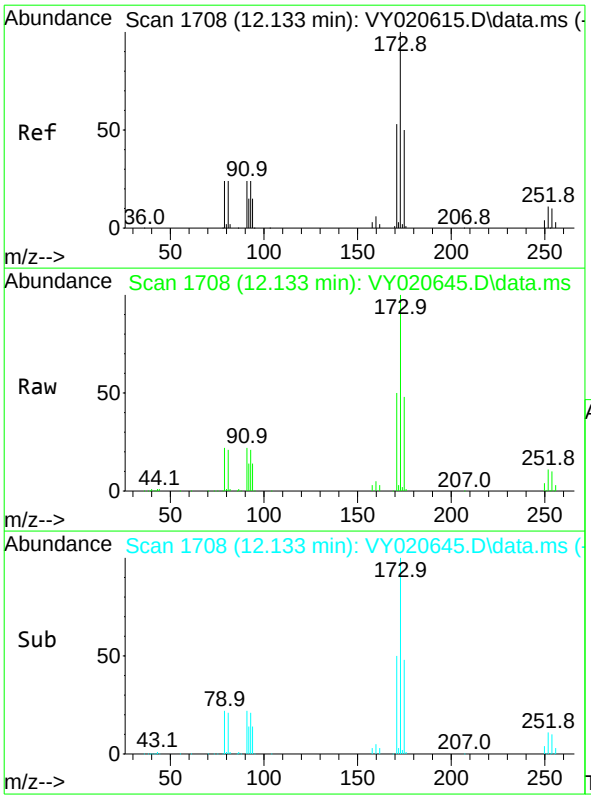


#70
Styrene
Concen: 58.035 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:104 Resp: 462869

Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.6	62.4
103	54.6	43.7	65.5

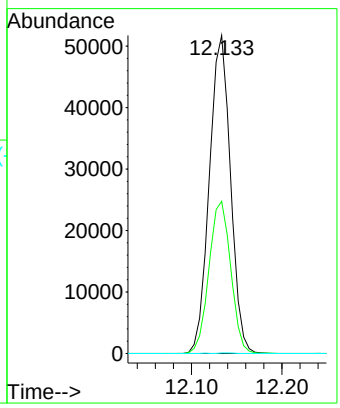




#71
Bromoform
Concen: 58.631 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:173 Resp: 84075

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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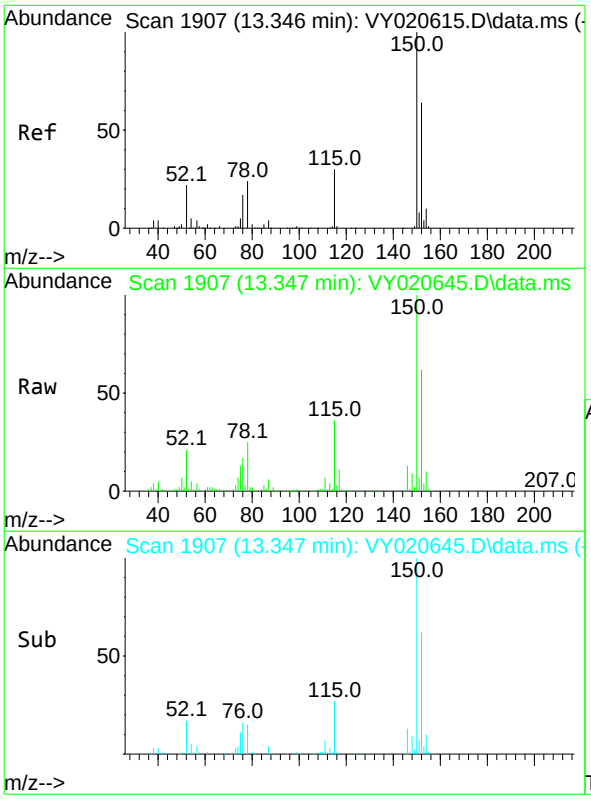
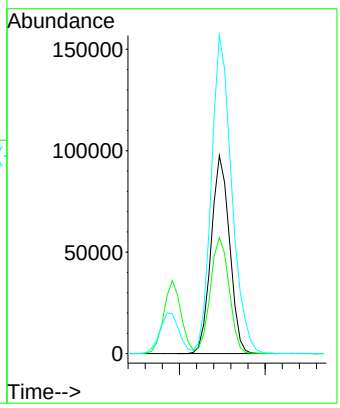
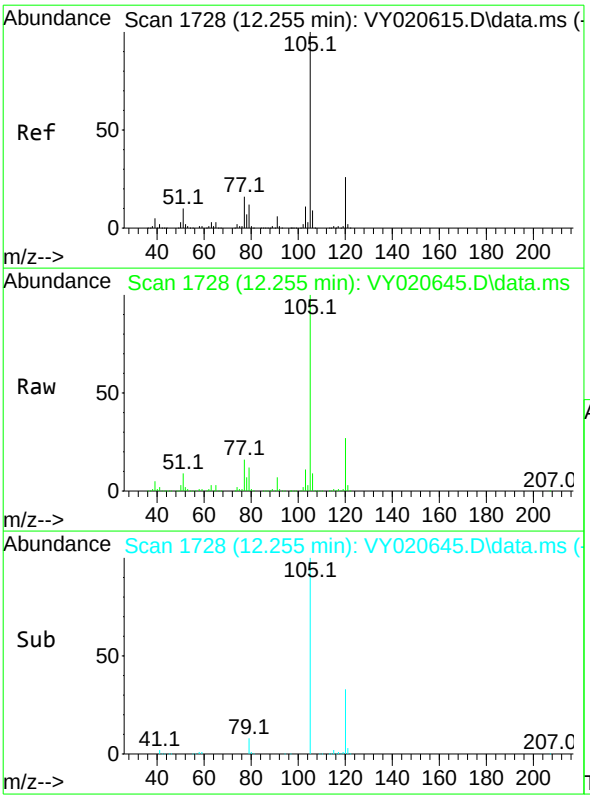


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:152 Resp: 146371

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	177.6	0.0	355.4

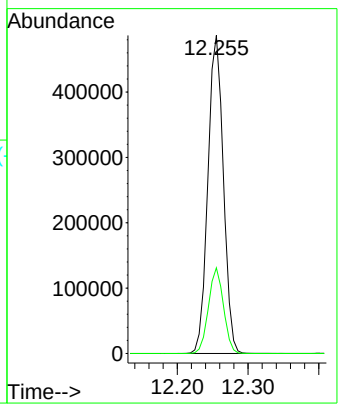




#73
Isopropylbenzene
Concen: 57.692 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 736909

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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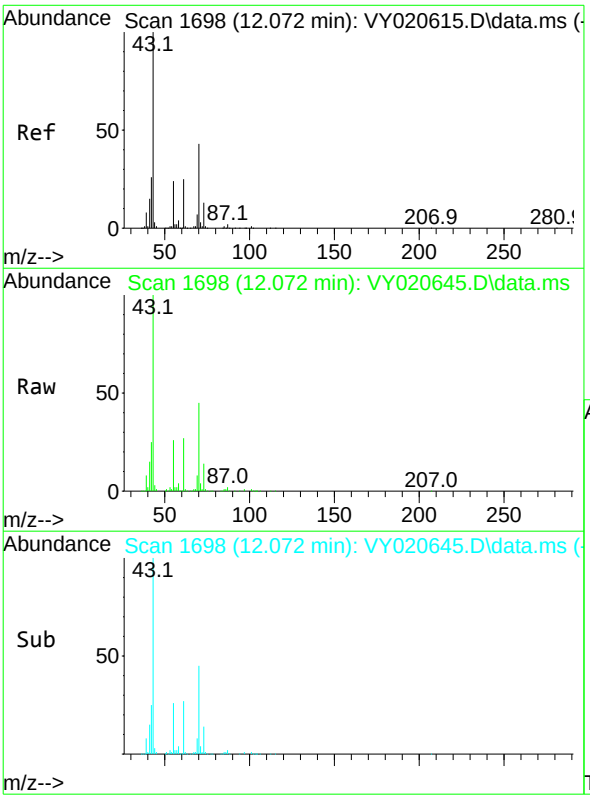
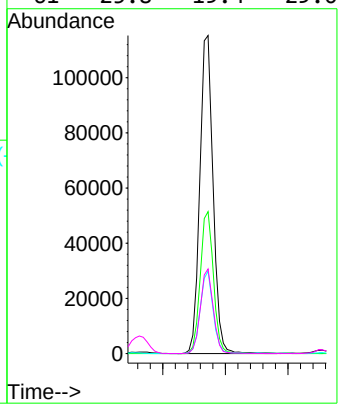
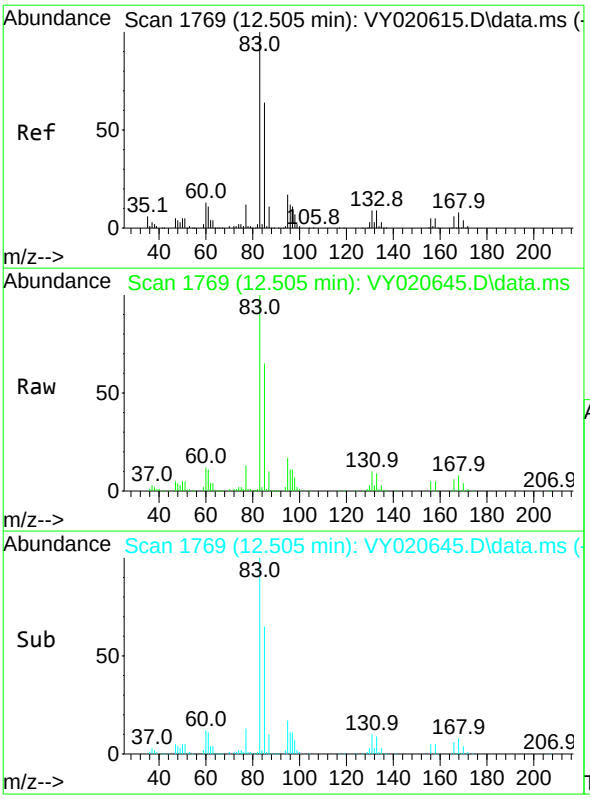


#74
N-amyl acetate
Concen: 56.850 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 169942

Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.2	51.2
55	25.1	19.6	29.4
61	25.8	19.4	29.0

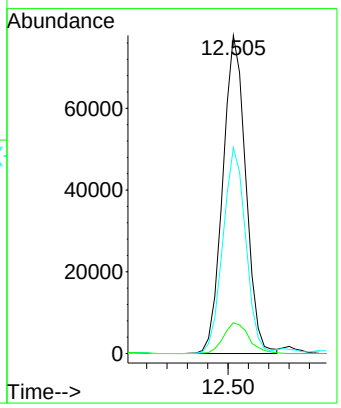




#75
1,1,2,2-Tetrachloroethane
Concen: 58.846 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 83 Resp: 122009

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	64.1	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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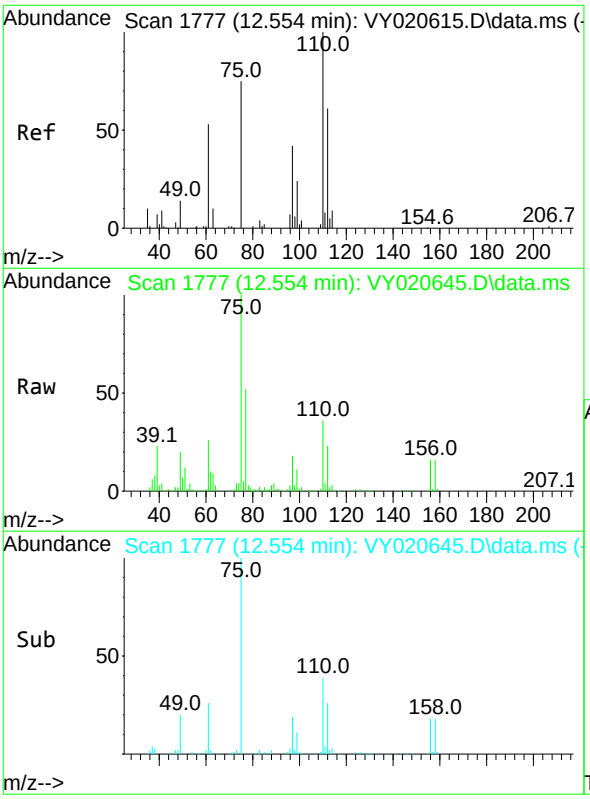
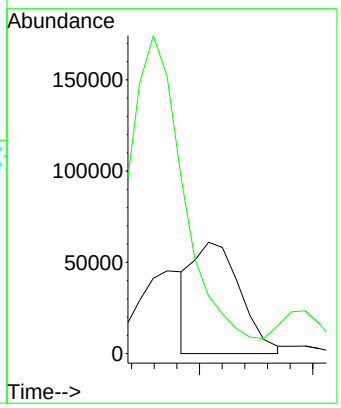
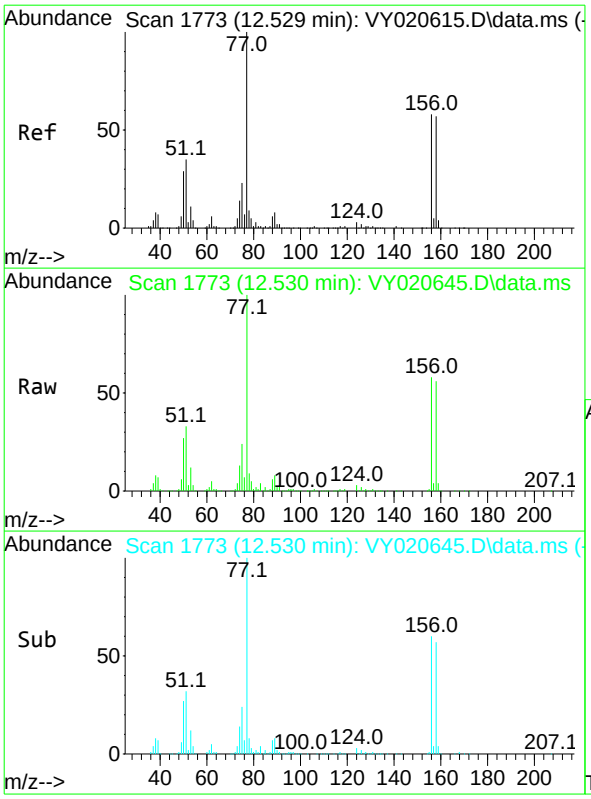


#76
1,2,3-Trichloropropane
Concen: 58.557 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 89036

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 57.720 ug/l
RT: 12.530 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:156 Resp: 160597

Ion	Ratio	Lower	Upper
156	100		
77	191.3	94.2	282.4
158	96.9	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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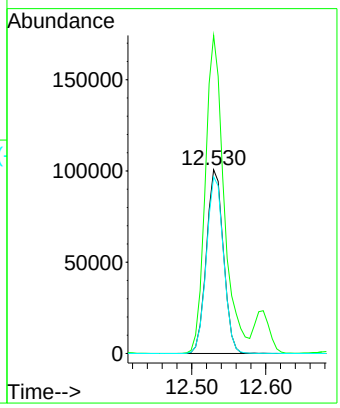
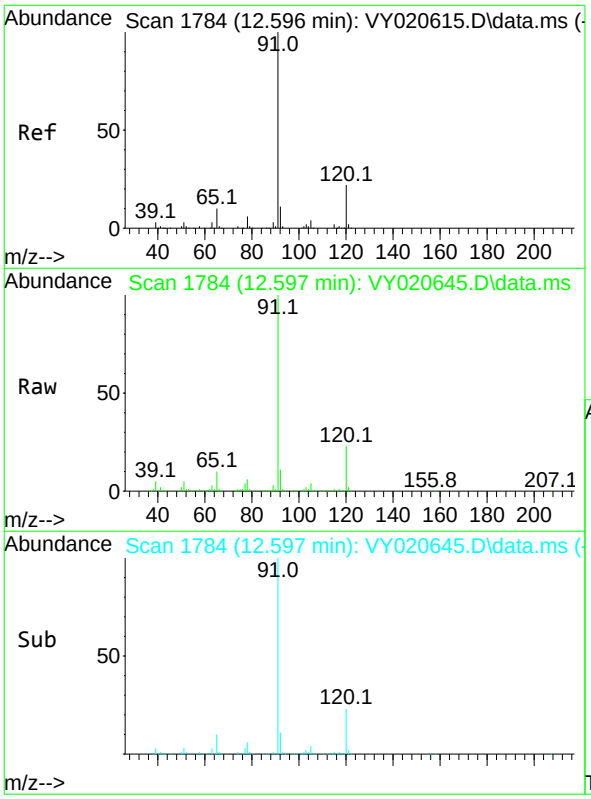
Supervised By :Semsettin Yesilyurt 12/20/2024

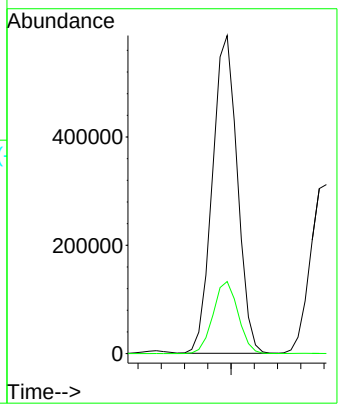


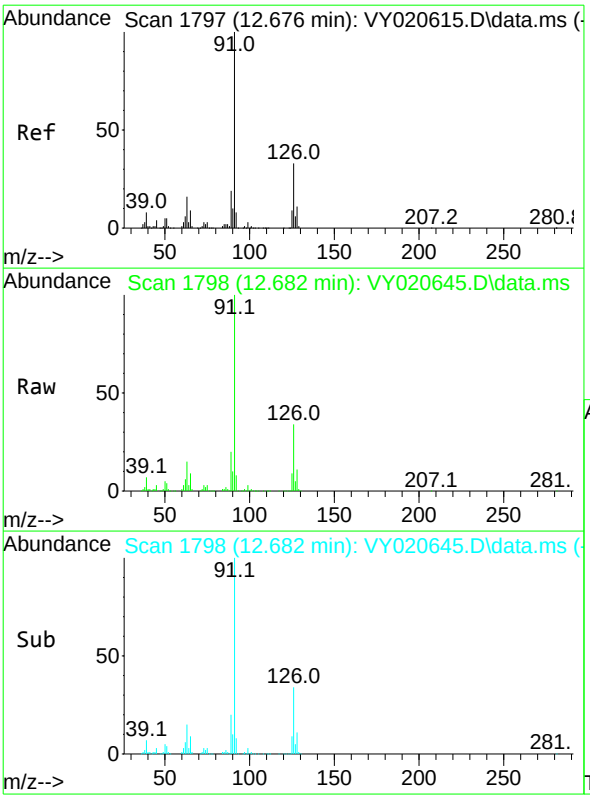


#78
n-propylbenzene
Concen: 56.859 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 875016

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

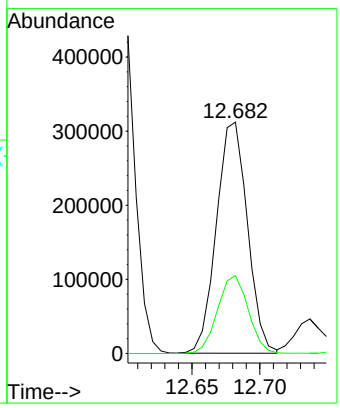




#79
2-Chlorotoluene
Concen: 57.255 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 495724

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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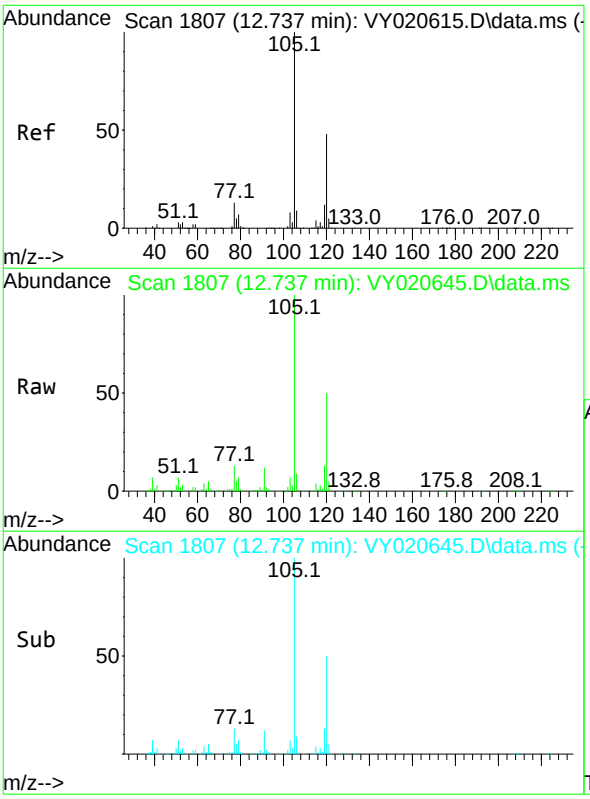
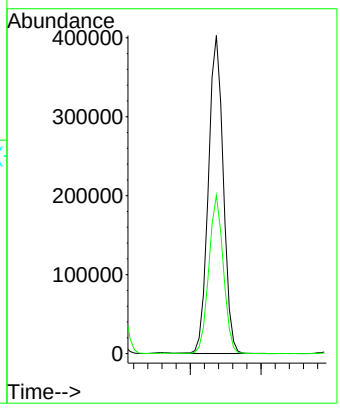
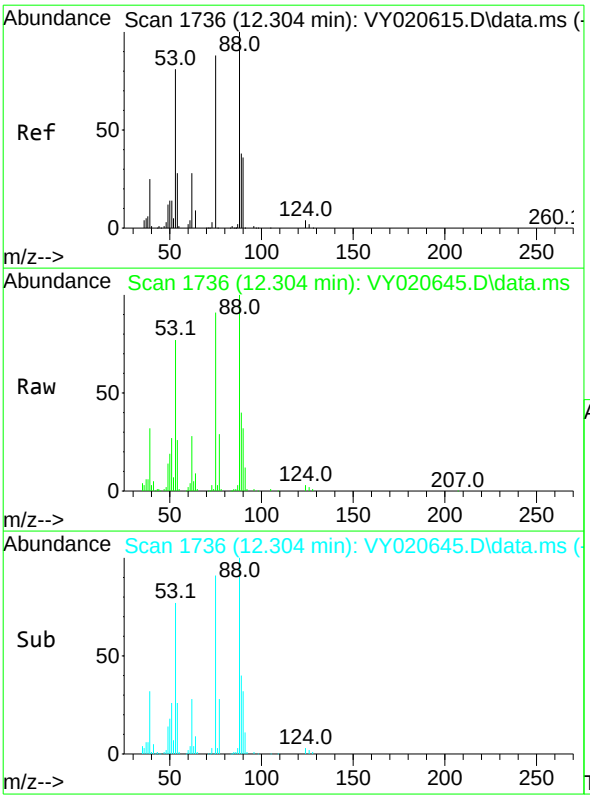


#80
1,3,5-Trimethylbenzene
Concen: 56.716 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 587819

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 62.383 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 45189

Ion	Ratio	Lower	Upper
75	100		
53	90.3	75.4	113.2
89	46.2	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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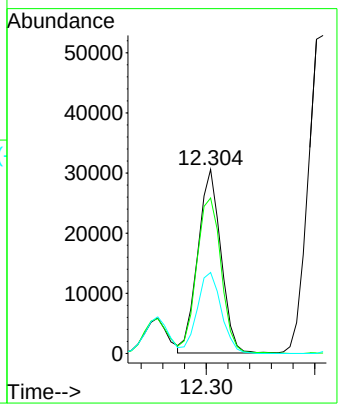
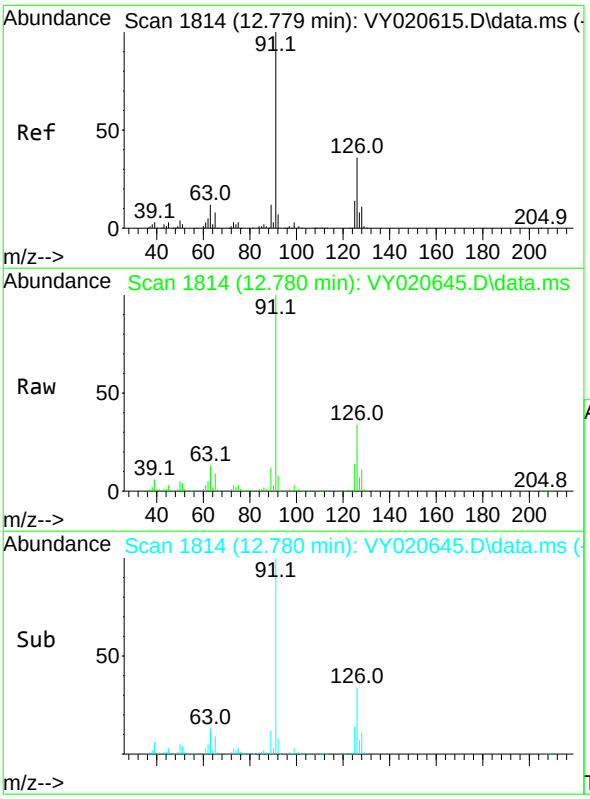
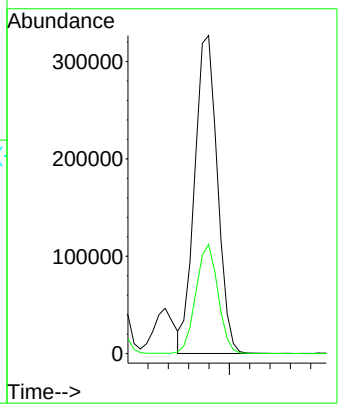


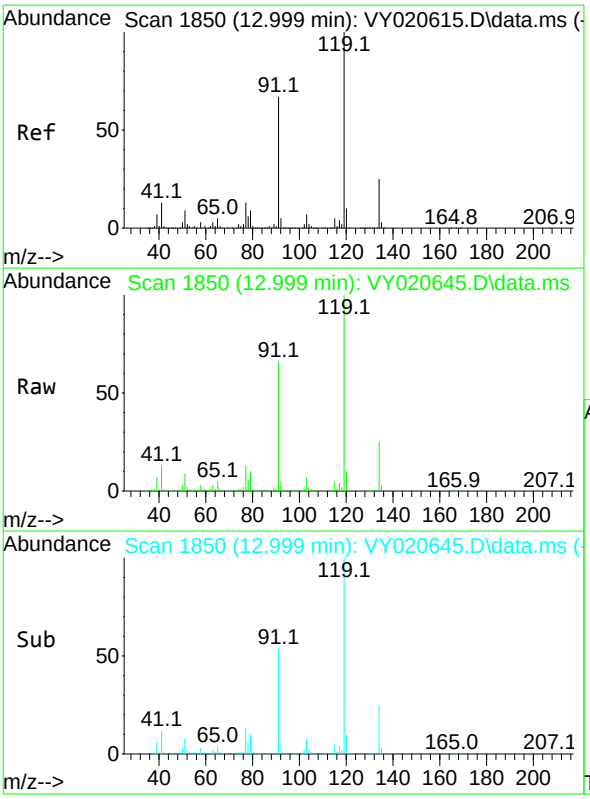


#82
4-Chlorotoluene
Concen: 56.500 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 507510

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7





#83
tert-Butylbenzene
Concen: 57.066 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:119 Resp: 535639

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.9	98.6
134	26.3	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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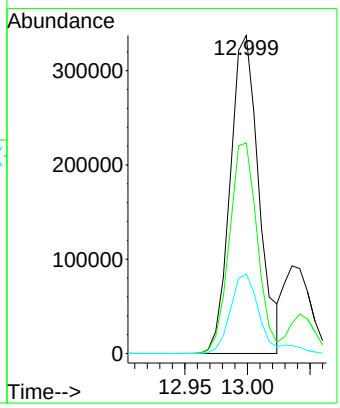
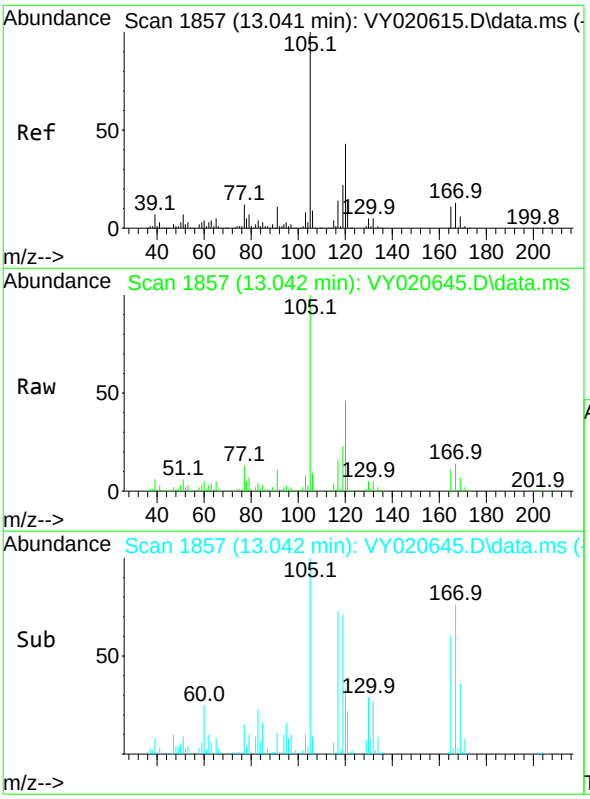
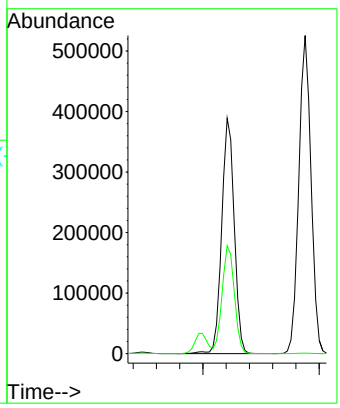


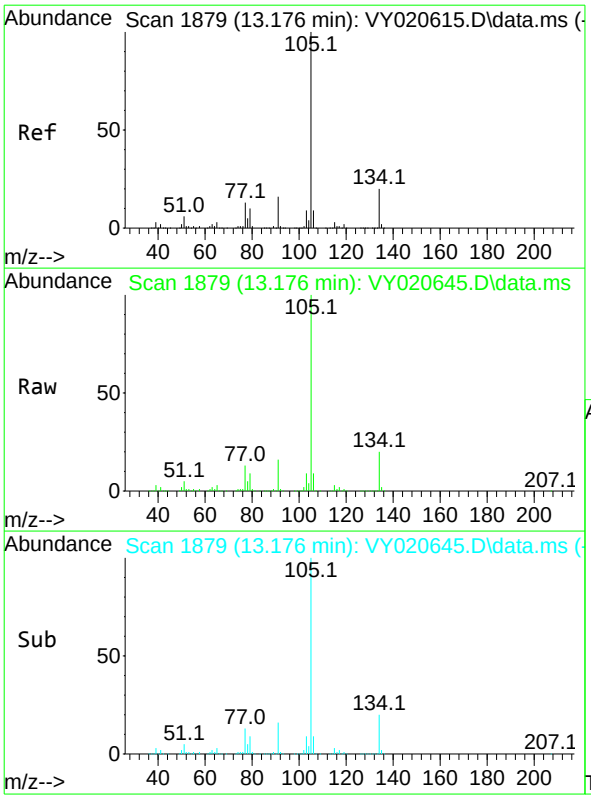


#84
1,2,4-Trimethylbenzene
Concen: 57.121 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 580706

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4

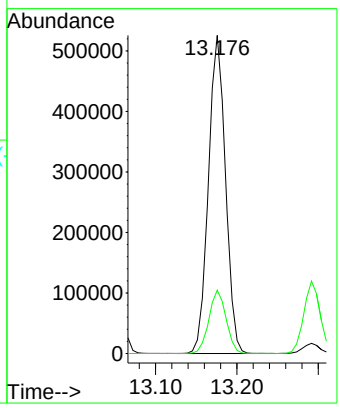




#85
sec-Butylbenzene
Concen: 56.081 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 765369

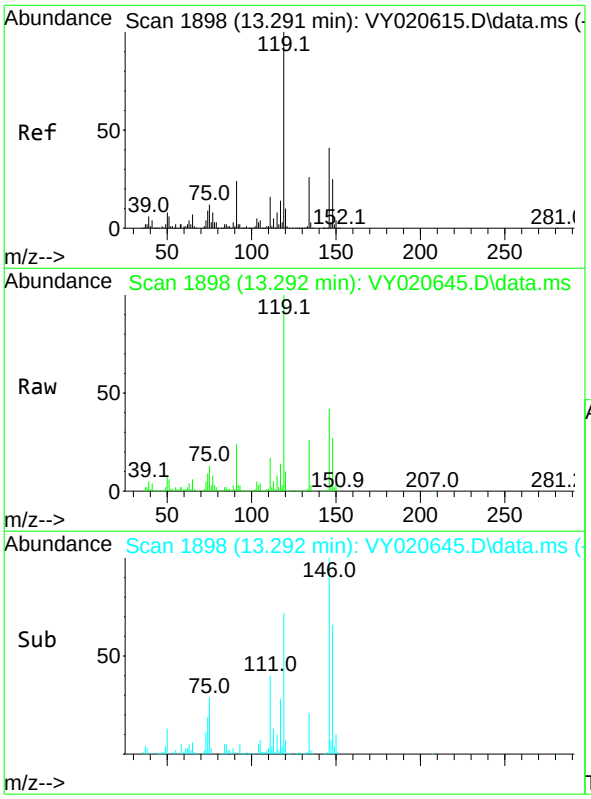
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

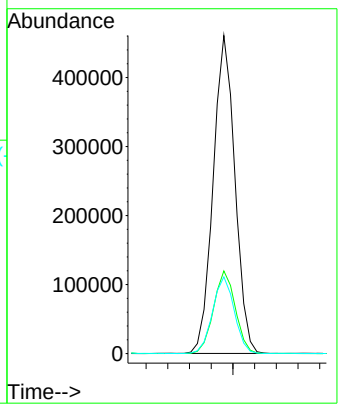
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

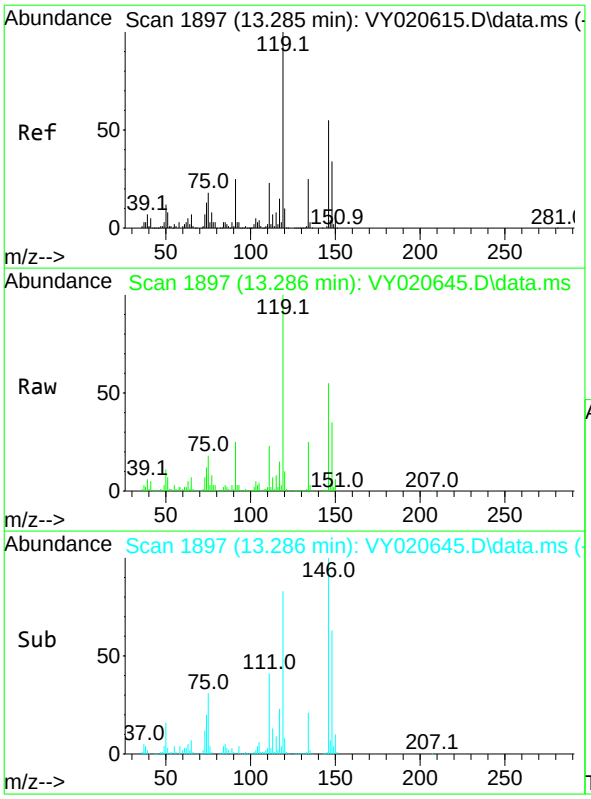


#86
p-Isopropyltoluene
Concen: 57.008 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:119 Resp: 641459

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.0	12.1	36.3

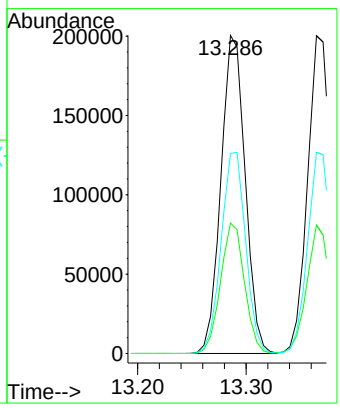




#87
1,3-Dichlorobenzene
Concen: 56.738 ug/l
RT: 13.286 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:146 Resp: 311630

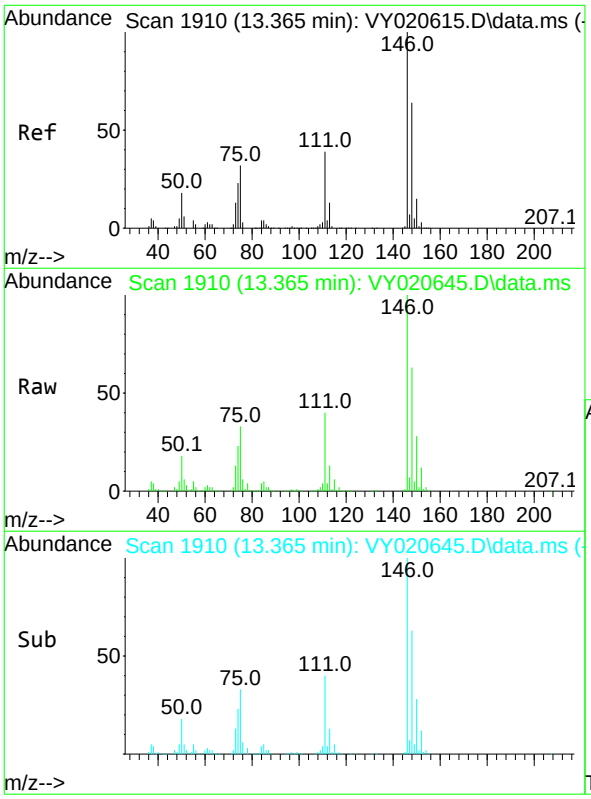
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

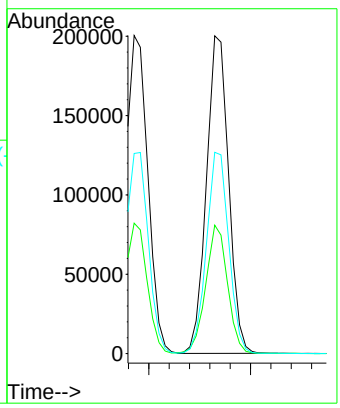
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

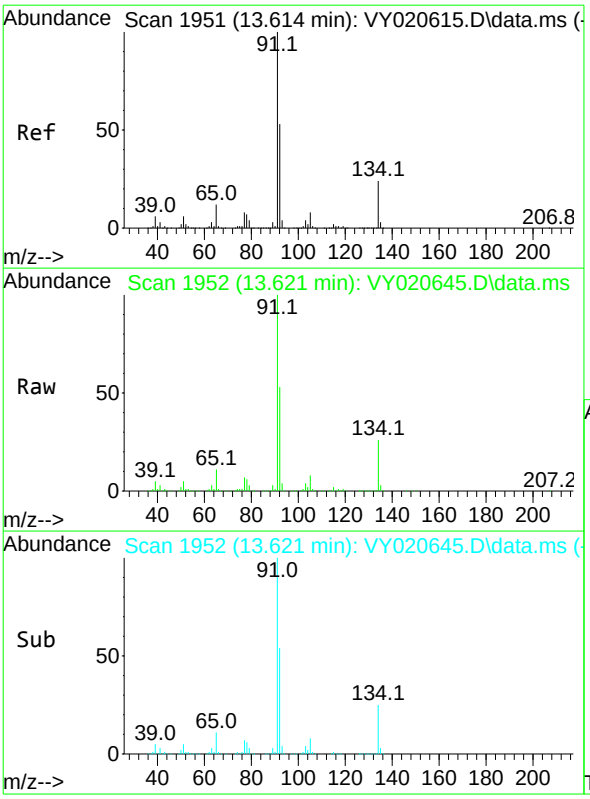


#88
1,4-Dichlorobenzene
Concen: 55.759 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:146 Resp: 303316

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.0	31.9	95.5

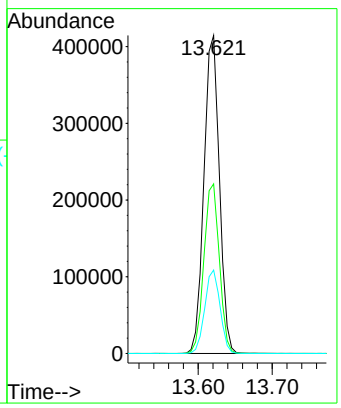




#89
n-Butylbenzene
Concen: 56.308 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 600466

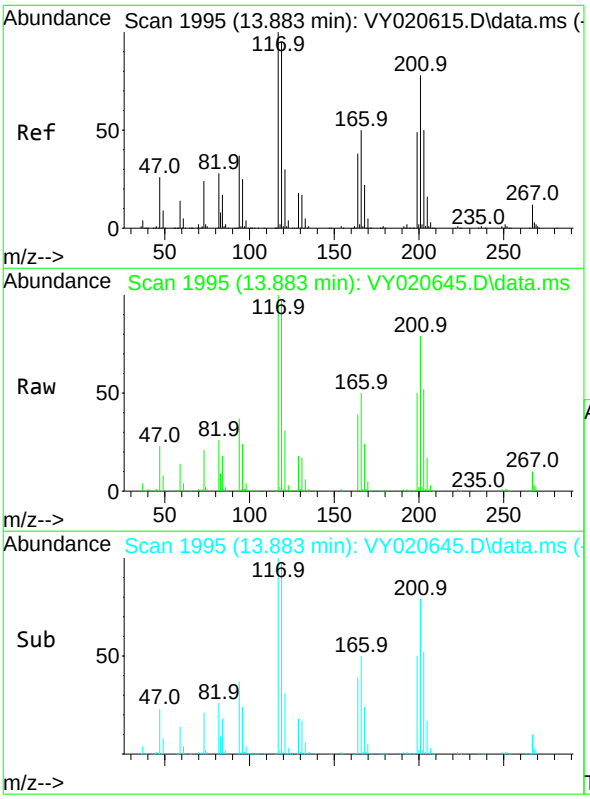
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.4
134	26.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

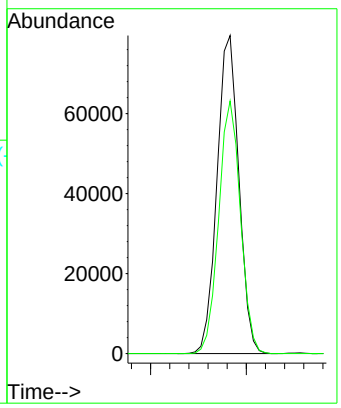
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

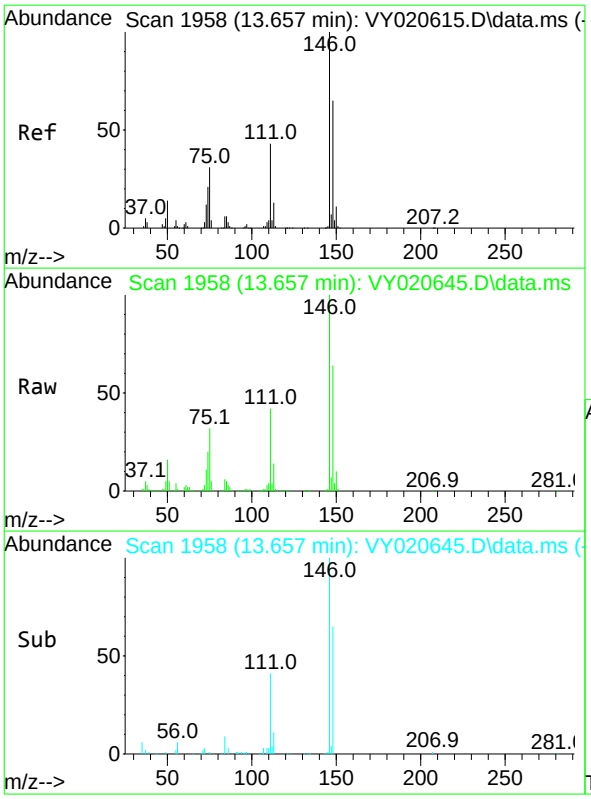


#90
Hexachloroethane
Concen: 56.563 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:117 Resp: 126128

Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 56.390 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

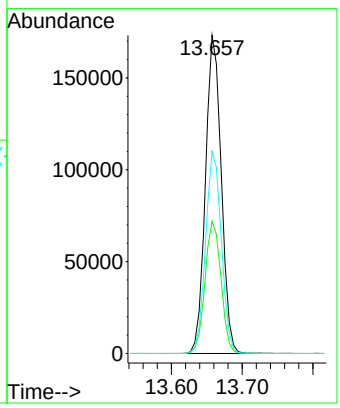
Tgt Ion:146 Resp: 268348

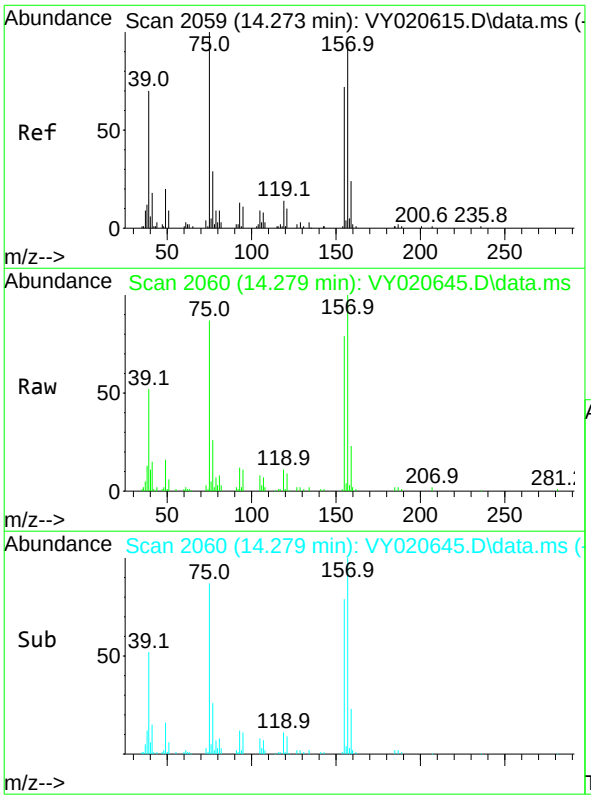
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.7	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

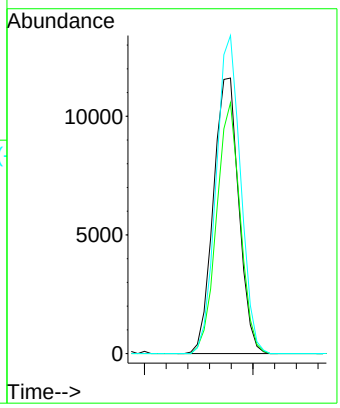


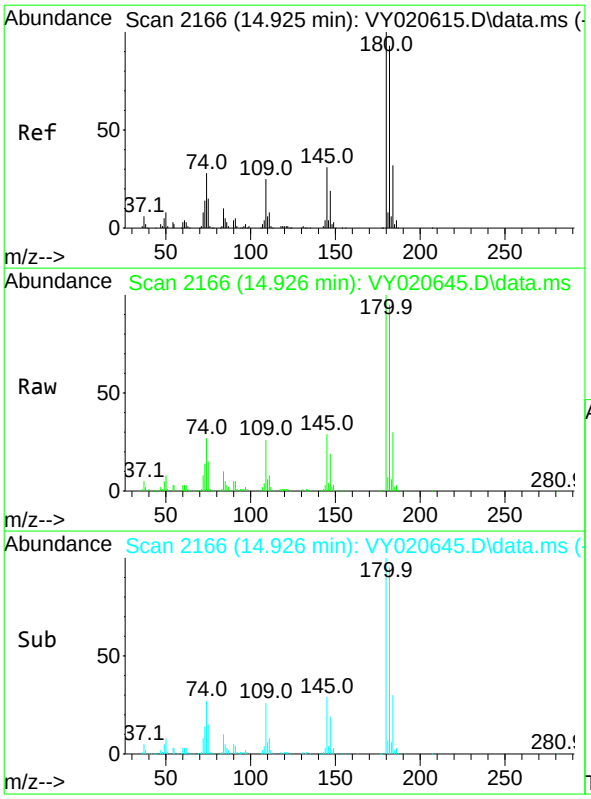


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.200 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 18918

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.1	123.3
157	110.5	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 56.165 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:180 Resp: 161670

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.6
145	30.5	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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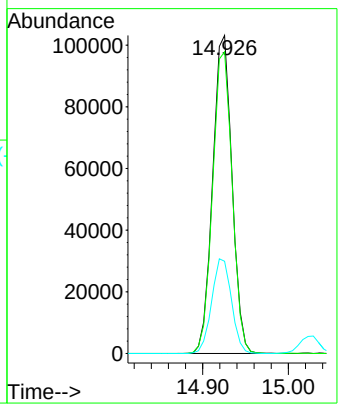
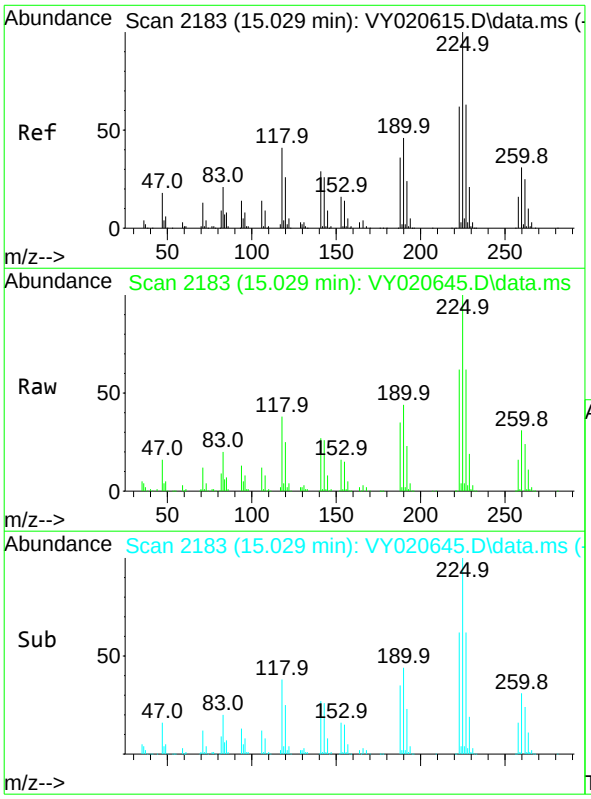
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

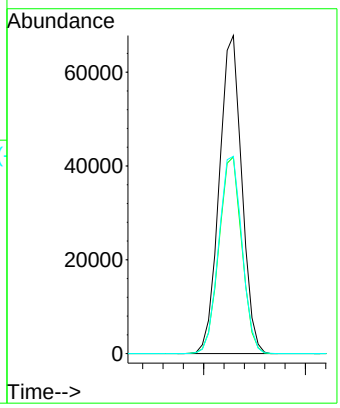


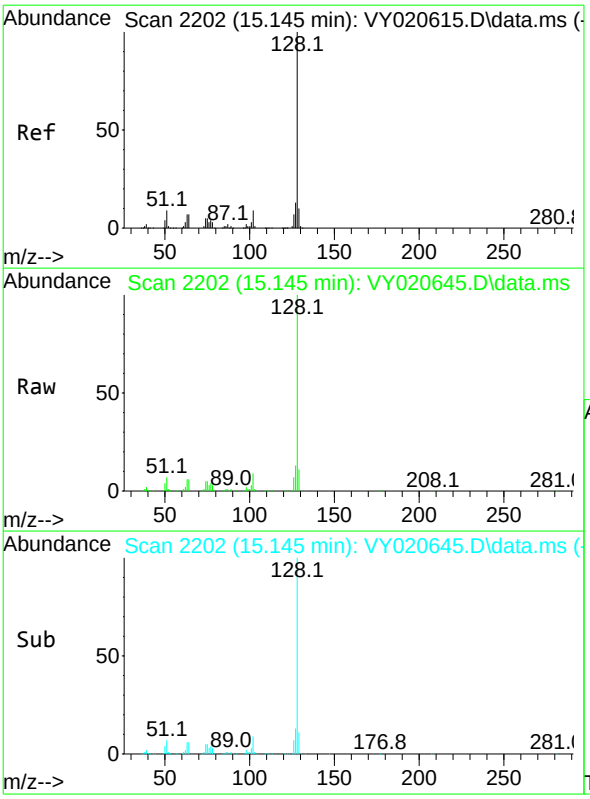


#94
Hexachlorobutadiene
Concen: 55.442 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:225 Resp: 104328

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.3
227	64.1	32.2	96.6





#95
Naphthalene
Concen: 58.518 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

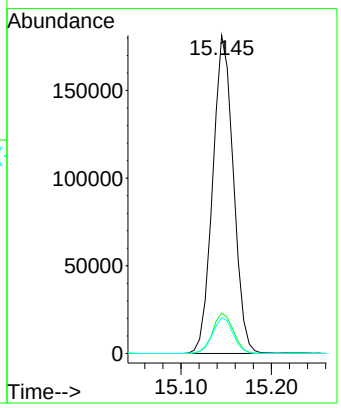
Tgt Ion:128 Resp: 288782

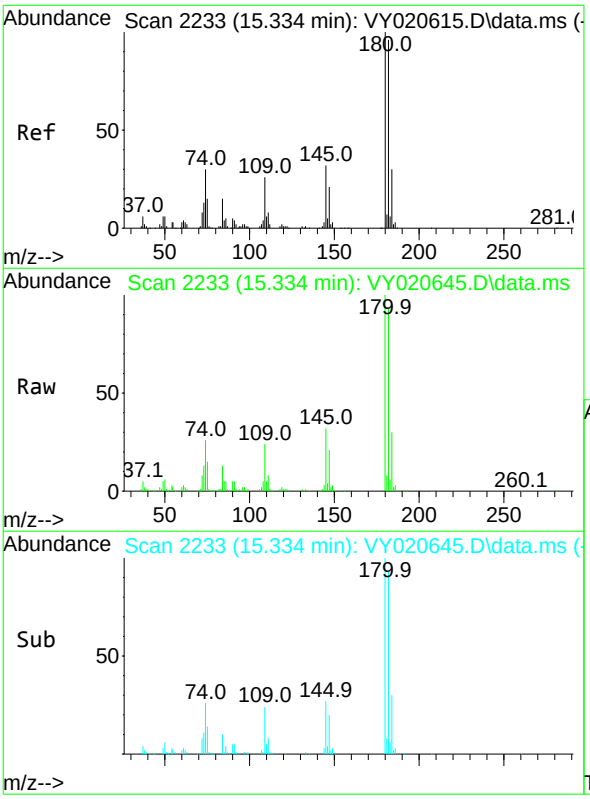
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.2	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

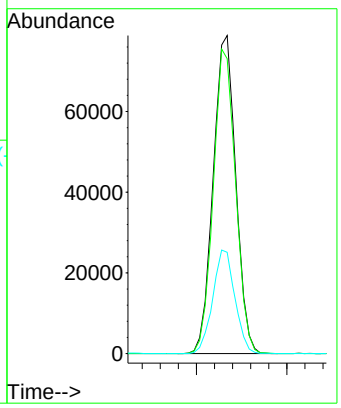




#96
1,2,3-Trichlorobenzene
Concen: 56.223 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:180 Resp: 136737

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	31.9	16.0	48.0



Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	122	0.00
2	T	Dichlorodifluoromethane	0.625	0.650	-4.0	128	0.00
3	P	Chloromethane	0.463	0.437	5.6	124	0.00
4	C	Vinyl Chloride	0.431	0.419	2.8#	138	0.00
5	T	Bromomethane	0.277	0.258	6.9	137	0.00
6	T	Chloroethane	0.266	0.249	6.4	143	0.00
7	T	Trichlorofluoromethane	0.901	0.911	-1.1	140	0.00
8	T	Diethyl Ether	0.316	0.333	-5.4	139	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.719	-11.3	145	0.00
10	T	Methyl Iodide	0.719	0.811	-12.8	142	0.00
11	T	Tert butyl alcohol	0.071	0.053	25.4#	127	0.00
12	CM	1,1-Dichloroethene	0.627	0.679	-8.3#	140	0.00
13	T	Acrolein	0.026	0.017	34.6#	123	0.00
14	T	Allyl chloride	1.098	1.128	-2.7	134	0.00
15	T	Acrylonitrile	0.151	0.166	-9.9	131	0.00
16	T	Acetone	0.125	0.109	12.8	134	0.00
17	T	Carbon Disulfide	2.040	2.219	-8.8	139	0.00
18	T	Methyl Acetate	0.373	0.379	-1.6	132	0.00
19	T	Methyl tert-butyl Ether	1.618	1.822	-12.6	133	0.00
20	T	Methylene Chloride	0.681	0.704	-3.4	139	0.00
21	T	trans-1,2-Dichloroethene	0.703	0.787	-11.9	135	0.00
22	T	Diisopropyl ether	2.229	2.408	-8.0	128	0.00
23	T	Vinyl Acetate	1.263	1.379	-9.2	128	0.00
24	P	1,1-Dichloroethane	1.306	1.447	-10.8	133	0.00
25	T	2-Butanone	0.204	0.205	-0.5	126	0.00
26	T	2,2-Dichloropropane	1.235	1.286	-4.1	132	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.896	-10.8	134	0.00
28	T	Bromochloromethane	0.441	0.491	-11.3	121	0.00
29	T	Tetrahydrofuran	0.128	0.139	-8.6	128	0.00
30	C	Chloroform	1.528	1.419	7.1#	125	0.00
31	T	Cyclohexane	1.249	1.303	-4.3	132	0.00
32	T	1,1,1-Trichloroethane	1.200	1.332	-11.0	135	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.573	-4.6	123	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	117	0.00
35	S	Dibromofluoromethane	0.352	0.398	-13.1	130	0.00
36	T	1,1-Dichloropropene	0.643	0.731	-13.7	135	0.00
37	T	Ethyl Acetate	0.302	0.325	-7.6	128	0.00
38	T	Carbon Tetrachloride	0.711	0.819	-15.2	137	0.00
39	T	Methylcyclohexane	0.837	0.932	-11.4	131	0.00
40	TM	Benzene	1.883	2.108	-11.9	133	0.00
41	T	Methacrylonitrile	0.160	0.167	-4.4	127	0.00
42	TM	1,2-Dichloroethane	0.500	0.547	-9.4	128	0.00
43	T	Isopropyl Acetate	0.572	0.633	-10.7	128	0.00
44	TM	Trichloroethene	0.463	0.532	-14.9	136	0.00
45	C	1,2-Dichloropropane	0.440	0.491	-11.6#	133	0.00
46	T	Dibromomethane	0.233	0.260	-11.6	132	0.00
47	T	Bromodichloromethane	0.628	0.704	-12.1	131	0.00
48	T	Methyl methacrylate	0.272	0.302	-11.0	128	0.00

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	136	0.00
50	S	Toluene-d8	1.233	1.381	-12.0	127	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.326	-7.9	128	0.00
52	CM	Toluene	1.170	1.319	-12.7#	133	0.00
53	T	t-1,3-Dichloropropene	0.586	0.671	-14.5	131	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.782	-12.7	130	0.00
55	T	1,1,2-Trichloroethane	0.308	0.351	-14.0	136	0.00
56	T	Ethyl methacrylate	0.446	0.525	-17.7	134	0.00
57	T	1,3-Dichloropropane	0.548	0.623	-13.7	132	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.214	-13.8	146	0.00
59	T	2-Hexanone	0.194	0.215	-10.8	127	0.00
60	T	Dibromochloromethane	0.411	0.472	-14.8	132	0.00
61	T	1,2-Dibromoethane	0.286	0.325	-13.6	132	0.00
62	S	4-Bromofluorobenzene	0.482	0.516	-7.1	126	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
64	T	Tetrachloroethene	0.470	0.538	-14.5	135	0.00
65	PM	Chlorobenzene	1.398	1.604	-14.7	133	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.552	-15.5	133	0.00
67	C	Ethyl Benzene	2.579	2.931	-13.6#	131	0.00
68	T	m/p-Xylenes	0.959	1.097	-14.4	131	0.00
69	T	o-Xylene	0.895	1.028	-14.9	130	0.00
70	T	Styrene	1.495	1.735	-16.1	132	0.00
71	P	Bromoform	0.269	0.315	-17.1	133	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
73	T	Isopropylbenzene	4.363	5.035	-15.4	130	0.00
74	T	N-amyl acetate	1.021	1.161	-13.7	122	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.834	-17.8	132	0.00
76	T	1,2,3-Trichloropropane	0.519	0.608	-17.1	131	0.00
77	T	Bromobenzene	0.950	1.097	-15.5	130	0.00
78	T	n-propylbenzene	5.257	5.978	-13.7	127	0.00
79	T	2-Chlorotoluene	2.958	3.387	-14.5	130	0.00
80	T	1,3,5-Trimethylbenzene	3.540	4.016	-13.4	127	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.309	-25.1#	135	0.00
82	T	4-Chlorotoluene	3.068	3.467	-13.0	128	0.00
83	T	tert-Butylbenzene	3.206	3.659	-14.1	128	0.00
84	T	1,2,4-Trimethylbenzene	3.473	3.967	-14.2	126	0.00
85	T	sec-Butylbenzene	4.662	5.229	-12.2	125	0.00
86	T	p-Isopropyltoluene	3.844	4.382	-14.0	126	0.00
87	T	1,3-Dichlorobenzene	1.876	2.129	-13.5	129	0.00
88	T	1,4-Dichlorobenzene	1.858	2.072	-11.5	127	0.00
89	T	n-Butylbenzene	3.643	4.102	-12.6	123	0.00
90	T	Hexachloroethane	0.762	0.862	-13.1	127	0.00
91	T	1,2-Dichlorobenzene	1.626	1.833	-12.7	128	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.129	-12.2	128	0.00
93	T	1,2,4-Trichlorobenzene	0.983	1.105	-12.4	123	0.00
94	T	Hexachlorobutadiene	0.643	0.713	-10.9	122	0.00
95	T	Naphthalene	1.686	1.973	-17.0	126	0.00

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	0.934	-12.4	122	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	122	0.00
2	T	Dichlorodifluoromethane	50.000	52.037	-4.1	128	0.00
3	P	Chloromethane	50.000	47.172	5.7	124	0.00
4	C	Vinyl Chloride	50.000	48.655	2.7#	138	0.00
5	T	Bromomethane	50.000	46.509	7.0	137	0.00
6	T	Chloroethane	50.000	46.795	6.4	143	0.00
7	T	Trichlorofluoromethane	50.000	50.536	-1.1	140	0.00
8	T	Diethyl Ether	50.000	52.658	-5.3	139	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.617	-11.2	145	0.00
10	T	Methyl Iodide	50.000	56.369	-12.7	142	0.00
11	T	Tert butyl alcohol	250.000	225.962	9.6	127	0.00
12	CM	1,1-Dichloroethene	50.000	54.148	-8.3#	140	0.00
13	T	Acrolein	250.000	168.296	32.7#	123	0.00
14	T	Allyl chloride	50.000	51.348	-2.7	134	0.00
15	T	Acrylonitrile	250.000	274.269	-9.7	131	0.00
16	T	Acetone	250.000	249.644	0.1	134	0.00
17	T	Carbon Disulfide	50.000	54.388	-8.8	139	0.00
18	T	Methyl Acetate	50.000	50.850	-1.7	132	0.00
19	T	Methyl tert-butyl Ether	50.000	56.315	-12.6	133	0.00
20	T	Methylene Chloride	50.000	51.663	-3.3	139	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.973	-11.9	135	0.00
22	T	Diisopropyl ether	50.000	54.016	-8.0	128	0.00
23	T	Vinyl Acetate	250.000	273.086	-9.2	128	0.00
24	P	1,1-Dichloroethane	50.000	55.396	-10.8	133	0.00
25	T	2-Butanone	250.000	251.894	-0.8	126	0.00
26	T	2,2-Dichloropropane	50.000	52.067	-4.1	132	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.409	-10.8	134	0.00
28	T	Bromochloromethane	50.000	55.679	-11.4	121	0.00
29	T	Tetrahydrofuran	250.000	271.132	-8.5	128	0.00
30	C	Chloroform	50.000	54.569	-9.1#	125	0.00
31	T	Cyclohexane	50.000	52.174	-4.3	132	0.00
32	T	1,1,1-Trichloroethane	50.000	55.522	-11.0	135	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.284	-4.6	123	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
35	S	Dibromofluoromethane	50.000	56.450	-12.9	130	0.00
36	T	1,1-Dichloropropene	50.000	56.915	-13.8	135	0.00
37	T	Ethyl Acetate	50.000	53.805	-7.6	128	0.00
38	T	Carbon Tetrachloride	50.000	57.572	-15.1	137	0.00
39	T	Methylcyclohexane	50.000	55.640	-11.3	131	0.00
40	TM	Benzene	50.000	55.955	-11.9	133	0.00
41	T	Methacrylonitrile	50.000	52.143	-4.3	127	0.00
42	TM	1,2-Dichloroethane	50.000	54.747	-9.5	128	0.00
43	T	Isopropyl Acetate	50.000	55.280	-10.6	128	0.00
44	TM	Trichloroethene	50.000	57.447	-14.9	136	0.00
45	C	1,2-Dichloropropane	50.000	55.786	-11.6#	133	0.00
46	T	Dibromomethane	50.000	55.885	-11.8	132	0.00
47	T	Bromodichloromethane	50.000	56.001	-12.0	131	0.00
48	T	Methyl methacrylate	50.000	55.418	-10.8	128	0.00

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	1164.626	-16.5	136	0.00
50	S	Toluene-d8	50.000	55.973	-11.9	127	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.490	-7.8	128	0.00
52	CM	Toluene	50.000	56.356	-12.7#	133	0.00
53	T	t-1,3-Dichloropropene	50.000	57.330	-14.7	131	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.364	-12.7	130	0.00
55	T	1,1,2-Trichloroethane	50.000	57.107	-14.2	136	0.00
56	T	Ethyl methacrylate	50.000	58.883	-17.8	134	0.00
57	T	1,3-Dichloropropane	50.000	56.787	-13.6	132	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.827	-13.9	146	0.00
59	T	2-Hexanone	250.000	277.291	-10.9	127	0.00
60	T	Dibromochloromethane	50.000	57.418	-14.8	132	0.00
61	T	1,2-Dibromoethane	50.000	56.781	-13.6	132	0.00
62	S	4-Bromofluorobenzene	50.000	53.472	-6.9	126	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	114	0.00
64	T	Tetrachloroethene	50.000	57.159	-14.3	135	0.00
65	PM	Chlorobenzene	50.000	57.381	-14.8	133	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.723	-15.4	133	0.00
67	C	Ethyl Benzene	50.000	56.821	-13.6#	131	0.00
68	T	m/p-Xylenes	100.000	114.405	-14.4	131	0.00
69	T	o-Xylene	50.000	57.438	-14.9	130	0.00
70	T	Styrene	50.000	58.035	-16.1	132	0.00
71	P	Bromoform	50.000	58.631	-17.3	133	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	113	0.00
73	T	Isopropylbenzene	50.000	57.692	-15.4	130	0.00
74	T	N-amyl acetate	50.000	56.850	-13.7	122	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	58.846	-17.7	132	0.00
76	T	1,2,3-Trichloropropane	50.000	58.557	-17.1	131	0.00
77	T	Bromobenzene	50.000	57.720	-15.4	130	0.00
78	T	n-propylbenzene	50.000	56.859	-13.7	127	0.00
79	T	2-Chlorotoluene	50.000	57.255	-14.5	130	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.716	-13.4	127	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	62.383	-24.8	135	0.00
82	T	4-Chlorotoluene	50.000	56.500	-13.0	128	0.00
83	T	tert-Butylbenzene	50.000	57.066	-14.1	128	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.121	-14.2	126	0.00
85	T	sec-Butylbenzene	50.000	56.081	-12.2	125	0.00
86	T	p-Isopropyltoluene	50.000	57.008	-14.0	126	0.00
87	T	1,3-Dichlorobenzene	50.000	56.738	-13.5	129	0.00
88	T	1,4-Dichlorobenzene	50.000	55.759	-11.5	127	0.00
89	T	n-Butylbenzene	50.000	56.308	-12.6	123	0.00
90	T	Hexachloroethane	50.000	56.563	-13.1	127	0.00
91	T	1,2-Dichlorobenzene	50.000	56.390	-12.8	128	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	56.200	-12.4	128	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.165	-12.3	123	0.00
94	T	Hexachlorobutadiene	50.000	55.442	-10.9	122	0.00
95	T	Naphthalene	50.000	58.518	-17.0	126	0.00

Sample Results: **VY020645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	56.223	-12.4	122	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020662.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/19/2024 17:56

Lab File ID: VY020662.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
Dichlorodifluoromethane	0.625	0.244		-60.96	50
Chloromethane	0.463	0.187	0.1	-59.61	50
Vinyl Chloride	0.431	0.173		-59.86	50
Bromomethane	0.277	0.116		-58.12	50
Chloroethane	0.266	0.106		-60.15	50
Tetrahydrofuran	0.128	0.045		-64.84	50
Trichlorofluoromethane	0.901	0.344		-61.82	50
1,1,2-Trichlorotrifluoroethane	0.646	0.267		-58.67	50
1,1-Dichloroethene	0.627	0.274		-56.3	50
Acrylonitrile	0.151	0.053		-64.9	50
Acetone	0.125	0.038		-69.6	50
Carbon Disulfide	2.040	0.907		-55.54	50
Methyl tert-butyl Ether	1.618	0.698		-56.86	50
Methylene Chloride	0.681	0.316		-53.6	50
trans-1,2-Dichloroethene	0.703	0.321		-54.34	50
1,1-Dichloroethane	1.306	0.628	0.1	-51.91	50
2-Butanone	0.204	0.067		-67.16	50
Carbon Tetrachloride	0.711	0.279		-60.76	50
2,2-Dichloropropane	1.235	0.342		-72.31	50
cis-1,2-Dichloroethene	0.809	0.382		-52.78	50
Chloroform	1.528	0.636		-58.38	50
1,1,1-Trichloroethane	1.200	0.541		-54.92	50
1,1-Dichloropropene	0.643	0.247		-61.59	50
Benzene	1.883	0.812		-56.88	50
1,2-Dichloroethane	0.500	0.198		-60.4	50
Trichloroethene	0.463	0.189		-59.18	50
1,2-Dichloropropane	0.440	0.190		-56.82	50
Dibromomethane	0.233	0.090		-61.37	50
Bromodichloromethane	0.628	0.269		-57.17	50
4-Methyl-2-Pentanone	0.302	0.096		-68.21	50
Toluene	1.170	0.495		-57.69	50
t-1,3-Dichloropropene	0.586	0.209		-64.33	50
cis-1,3-Dichloropropene	0.694	0.267		-61.53	50
1,1,2-Trichloroethane	0.308	0.118		-61.69	50
1,3-Dichloropropane	0.548	0.213		-61.13	50
2-Hexanone	0.194	0.061		-68.56	50
Dibromochloromethane	0.411	0.165		-59.85	50
1,2-Dibromoethane	0.286	0.107		-62.59	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY020662.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/19/2024 17:56

Lab File ID: VY020662.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
Tetrachloroethene	0.470	0.184		-60.85	50
Chlorobenzene	1.398	0.603	0.3	-56.87	50
1,1,1,2-Tetrachloroethane	0.478	0.213		-55.44	50
Ethyl Benzene	2.579	1.092		-57.66	50
m/p-Xylenes	0.959	0.403		-57.98	50
o-Xylene	0.895	0.386		-56.87	50
Styrene	1.495	0.659		-55.92	50
Bromoform	0.269	0.100	0.1	-62.83	50
Isopropylbenzene	4.363	2.164		-50.4	50
1,1,2,2-Tetrachloroethane	0.708	0.307	0.3	-56.64	50
1,2,3-Trichloropropane	0.519	0.214		-58.77	50
Bromobenzene	0.950	0.485		-48.95	50
n-propylbenzene	5.257	2.574		-51.04	50
2-Chlorotoluene	2.958	1.504		-49.15	50
1,3,5-Trimethylbenzene	3.540	1.777		-49.8	50
4-Chlorotoluene	3.068	1.543		-49.71	50
tert-Butylbenzene	3.206	1.582		-50.65	50
1,2,4-Trimethylbenzene	3.473	1.772		-48.98	50
sec-Butylbenzene	4.662	2.218		-52.42	50
p-Isopropyltoluene	3.844	1.869		-51.38	50
1,3-Dichlorobenzene	1.876	0.946		-49.57	50
1,4-Dichlorobenzene	1.858	0.916		-50.7	50
n-Butylbenzene	3.643	1.696		-53.44	50
1,2-Dichlorobenzene	1.626	0.820		-49.57	50
1,2-Dibromo-3-Chloropropane	0.115	0.044		-61.74	50
1,2,4-Trichlorobenzene	0.983	0.449		-54.32	50
Hexachlorobutadiene	0.643	0.298		-53.65	50
1,2,3-Trichlorobenzene	0.831	0.381		-54.15	50
1,2-Dichloroethane-d4	0.548	0.536		-2.19	50
Dibromofluoromethane	0.352	0.343		-2.56	50
Toluene-d8	1.233	1.276		3.49	50
4-Bromofluorobenzene	0.482	0.424		-12.03	50
trans-1,4-Dichloro-2-butene	0.247	0.081		-67.21	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\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Quant Time: Dec 20 00:58:31 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	308413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	528371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	462730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165446	48.981	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.960%			
35) Dibromofluoromethane	7.634	113	181222	48.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.340%			
50) Toluene-d8	10.109	98	674087	51.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.408	95	224262	43.986	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75261	19.537	ug/l	96
3) Chloromethane	2.068	50	57722	20.223	ug/l	98
4) Vinyl Chloride	2.208	62	53409	20.104	ug/l	97
5) Bromomethane	2.598	94	35632	20.866	ug/l	98
6) Chloroethane	2.739	64	32721	19.932	ug/l	99
7) Trichlorofluoromethane	3.062	101	106120	19.091	ug/l	100
8) Diethyl Ether	3.458	74	40479	20.764	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	82334	20.664	ug/l	99
10) Methyl Iodide	4.007	142	110838	24.986	ug/l	98
11) Tert butyl alcohol	4.866	59	23935	41.062	ug/l	98
12) 1,1-Dichloroethene	3.793	96	84608	21.885	ug/l	99
13) Acrolein	3.659	56	8888	55.648	ug/l	99
14) Allyl chloride	4.391	41	151793	22.407	ug/l	99
15) Acrylonitrile	5.061	53	81639	87.534	ug/l	98
16) Acetone	3.873	43	58873	83.445	ug/l	97
17) Carbon Disulfide	4.110	76	279766	22.232	ug/l	100
18) Methyl Acetate	4.385	43	44378	19.310	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215375	21.584	ug/l	98
20) Methylene Chloride	4.616	84	97448	23.204	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	98887	22.803	ug/l	98
22) Diisopropyl ether	6.025	45	335366	24.389	ug/l	98
23) Vinyl Acetate	5.964	43	782554	100.483	ug/l	99
24) 1,1-Dichloroethane	5.915	63	193633	24.037	ug/l	100
25) 2-Butanone	6.896	43	102968	82.027	ug/l	95
26) 2,2-Dichloropropane	6.890	77	105366	13.836	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	117949	23.640	ug/l	95
28) Bromochloromethane	7.244	49	67567	24.867	ug/l	99
29) Tetrahydrofuran	7.262	42	69047	87.132	ug/l	99
30) Chloroform	7.427	83	196092	21.191	ug/l	98
31) Cyclohexane	7.707	56	151108	19.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	166740	22.530	ug/l	100
36) 1,1-Dichloropropene	7.835	75	130429	19.208	ug/l	99
37) Ethyl Acetate	6.988	43	49241	15.417	ug/l	99
38) Carbon Tetrachloride	7.817	117	147544	19.640	ug/l	98
39) Methylcyclohexane	9.109	83	155084	17.524	ug/l	99
40) Benzene	8.079	78	429196	21.564	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 00:58:31 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 :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	24211	14.338 ug/l		93
42) 1,2-Dichloroethane	8.158	62	104508	19.798 ug/l		99
43) Isopropyl Acetate	8.195	43	104020	17.203 ug/l		98
44) Trichloroethene	8.866	130	99674	20.381 ug/l		98
45) 1,2-Dichloropropane	9.140	63	100644	21.636 ug/l		98
46) Dibromomethane	9.231	93	47401	19.282 ug/l		99
47) Bromodichloromethane	9.426	83	142143	21.405 ug/l		98
48) Methyl methacrylate	9.219	41	46742	16.260 ug/l		94
49) 1,4-Dioxane	9.231	88	8978	318.450 ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	252688	79.170 ug/l		99
52) Toluene	10.170	92	261457	21.138 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	110607	17.875 ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	141161	19.252 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	62521	19.236 ug/l		97
56) Ethyl methacrylate	10.438	69	86453	18.335 ug/l		99
57) 1,3-Dichloropropane	10.713	76	112565	19.428 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	171913	86.648 ug/l		99
59) 2-Hexanone	10.762	43	162442	79.270 ug/l		99
60) Dibromochloromethane	10.908	129	87357	20.097 ug/l		97
61) 1,2-Dibromoethane	11.012	107	56777	18.780 ug/l		99
64) Tetrachloroethene	10.646	164	84956	19.519 ug/l		97
65) Chlorobenzene	11.438	112	279078	21.570 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	98377	22.236 ug/l		99
67) Ethyl Benzene	11.518	91	505339	21.171 ug/l		100
68) m/p-Xylenes	11.627	106	372689	41.993 ug/l		100
69) o-Xylene	11.957	106	178843	21.597 ug/l		97
70) Styrene	11.969	104	304930	22.040 ug/l		99
71) Bromoform	12.133	173	46403	18.655 ug/l	#	100
73) Isopropylbenzene	12.255	105	465228	24.793 ug/l		100
74) N-amyl acetate	12.072	43	91294	20.789 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	66021	21.676 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	46050m	20.616 ug/l		
77) Bromobenzene	12.530	156	104296	25.517 ug/l		97
78) n-propylbenzene	12.597	91	553504	24.484 ug/l		100
79) 2-Chlorotoluene	12.682	91	323466	25.431 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	382148	25.099 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	17473	16.420 ug/l		98
82) 4-Chlorotoluene	12.780	91	331880	25.151 ug/l		100
83) tert-Butylbenzene	12.999	119	340217	24.673 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	381099	25.518 ug/l		100
85) sec-Butylbenzene	13.176	105	476911	23.788 ug/l		100
86) p-Isopropyltoluene	13.292	119	401897	24.313 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	203420	25.211 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	197059	24.659 ug/l		99
89) n-Butylbenzene	13.621	91	364597	23.273 ug/l		99
90) Hexachloroethane	13.883	117	83352	25.445 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	176385	25.231 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9475	19.161 ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	96481	22.816 ug/l		99
94) Hexachlorobutadiene	15.023	225	64124	23.197 ug/l		99
95) Naphthalene	15.145	128	148643	20.504 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	81895	22.922 ug/l		100

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 00:58:31 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 :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

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

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

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 20 00:58:31 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

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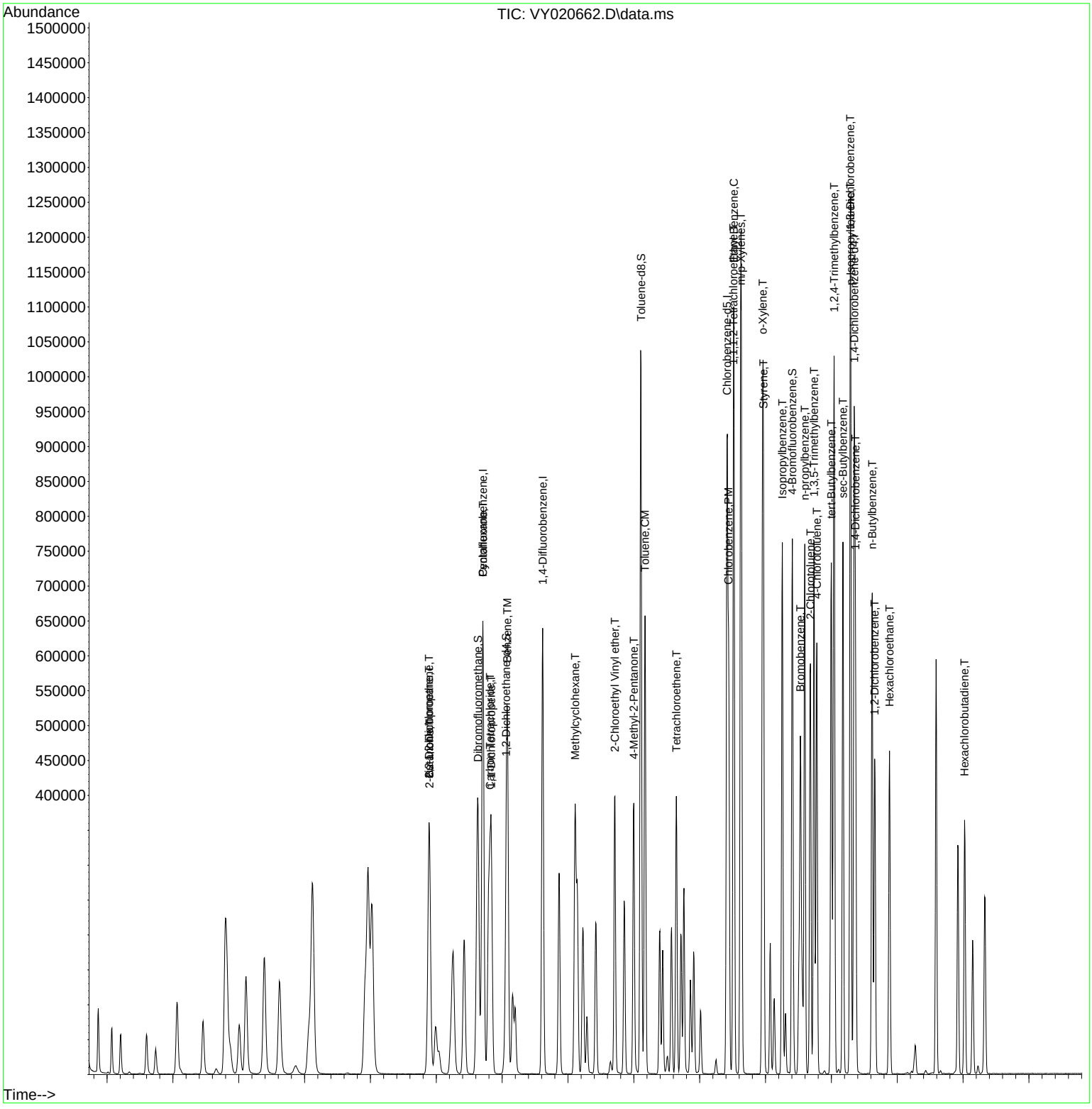
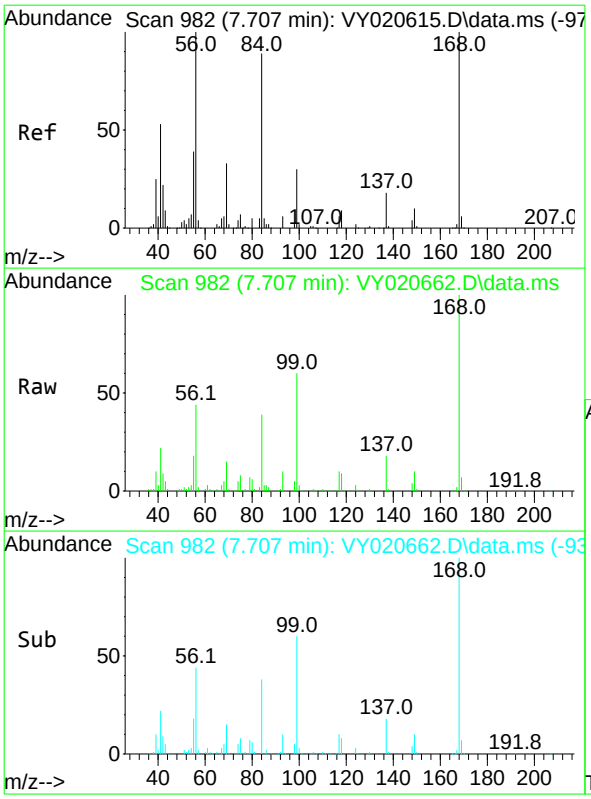
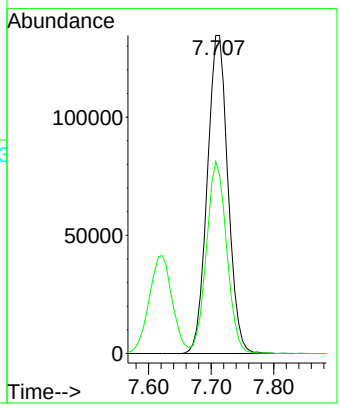




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:168 Resp: 308413

Ion	Ratio	Lower	Upper
168	100		
99	60.4	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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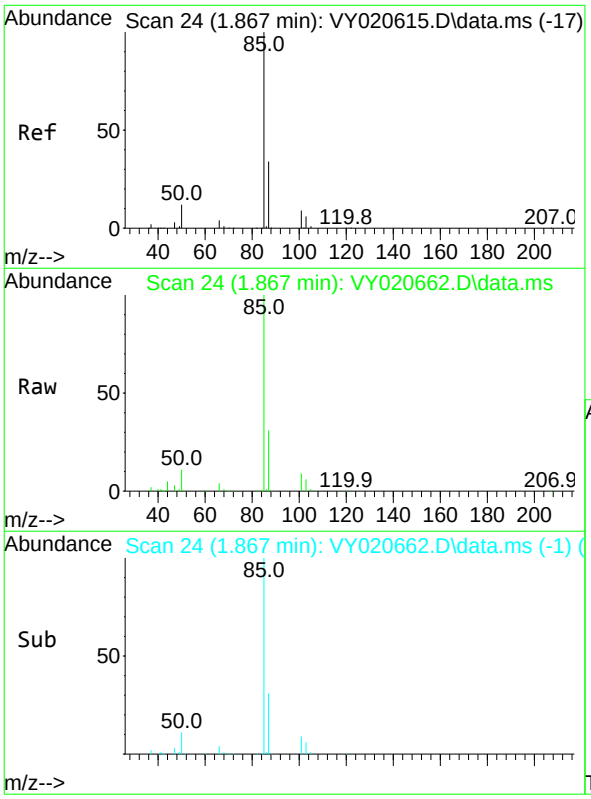
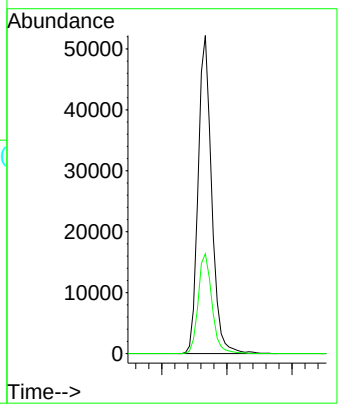
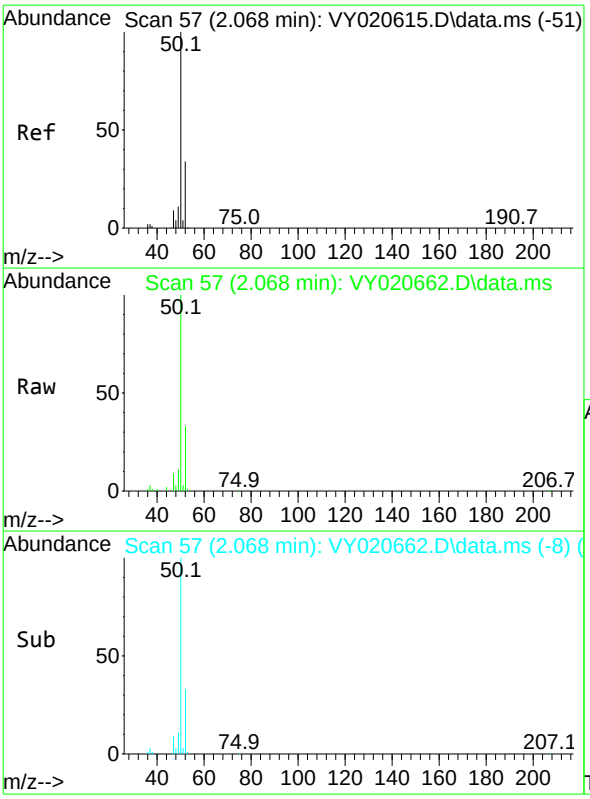


#2
Dichlorodifluoromethane
Concen: 19.537 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 85 Resp: 75261

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.8	50.3

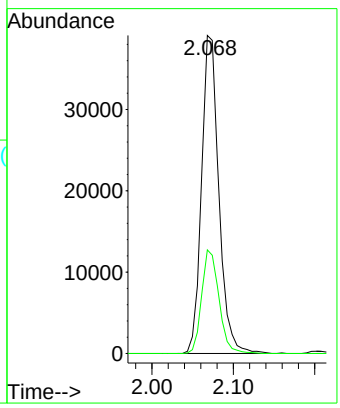




#3
Chloromethane
Concen: 20.223 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 50 Resp: 57722

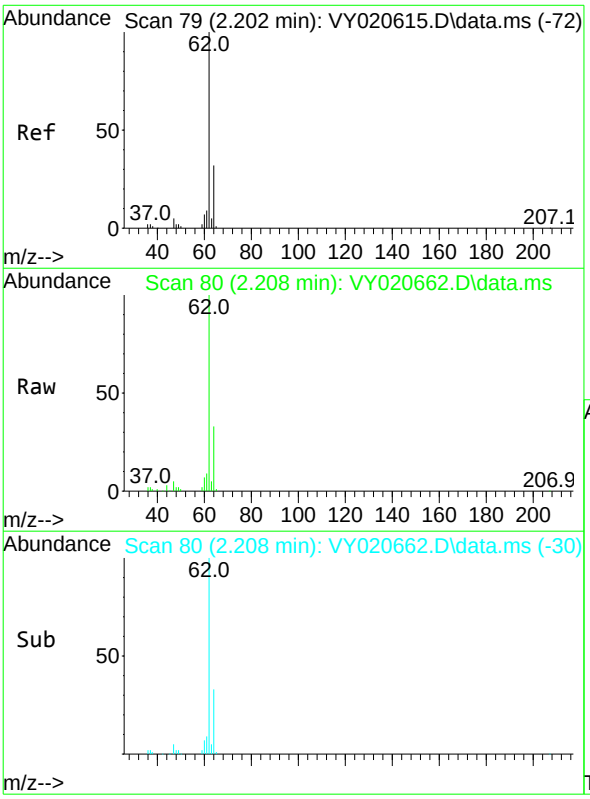
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

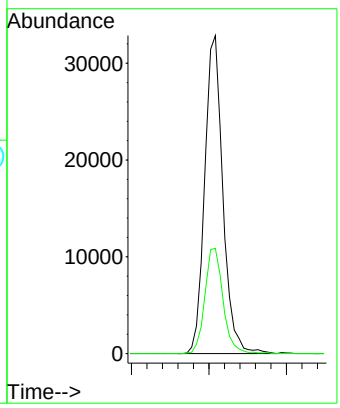
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

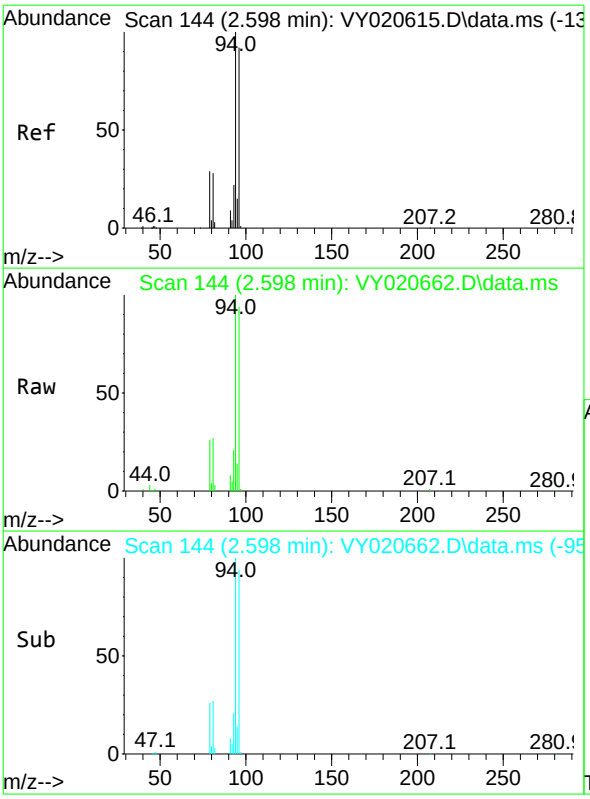


#4
Vinyl Chloride
Concen: 20.104 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 62 Resp: 53409

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.3	37.9

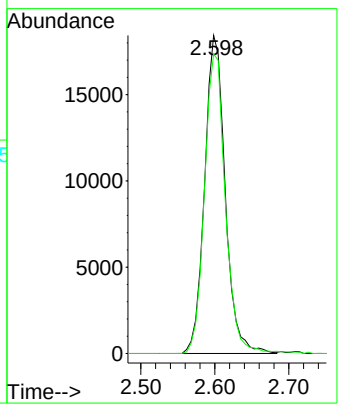




#5
Bromomethane
Concen: 20.866 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 94 Resp: 35632

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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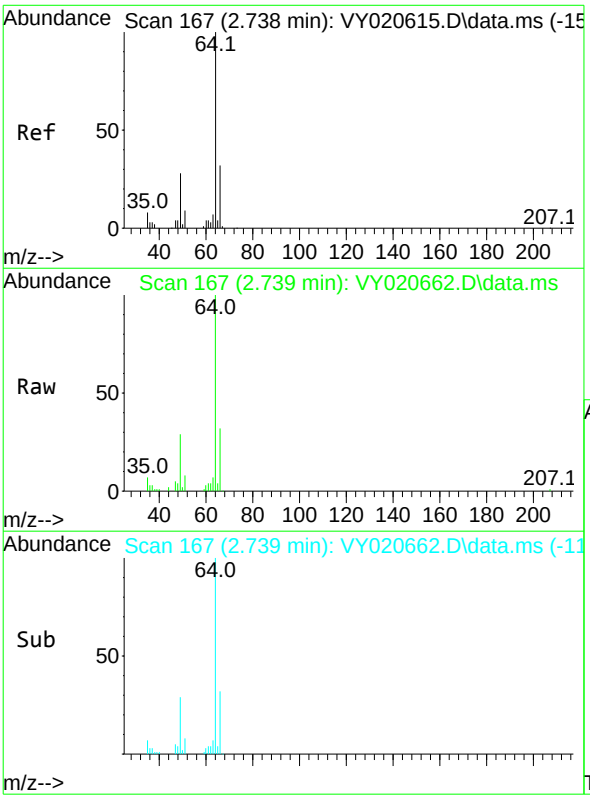
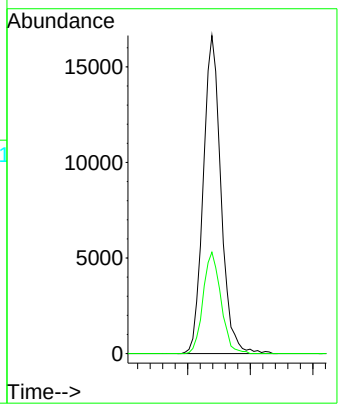
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

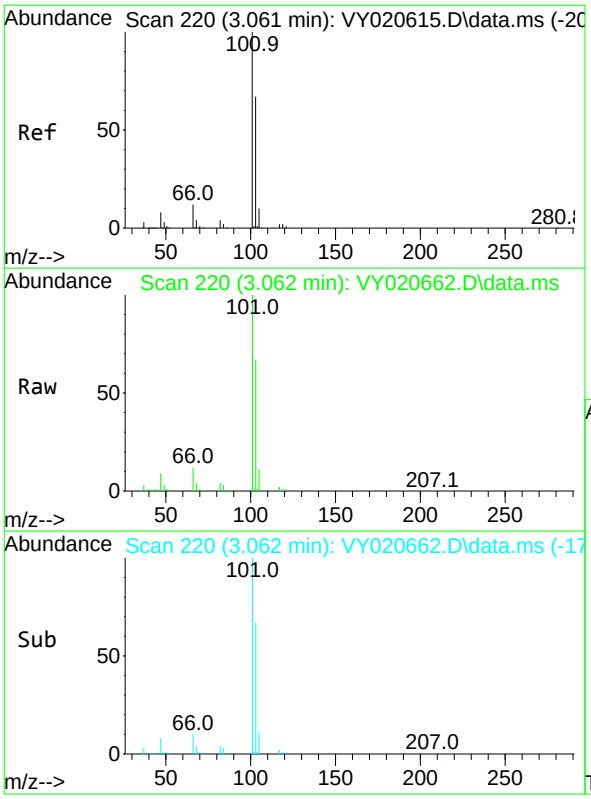


#6
Chloroethane
Concen: 19.932 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 64 Resp: 32721

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.8	38.6

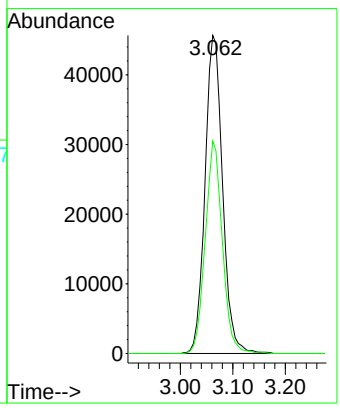




#7
Trichlorofluoromethane
Concen: 19.091 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:101 Resp: 106120

Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/20/2024
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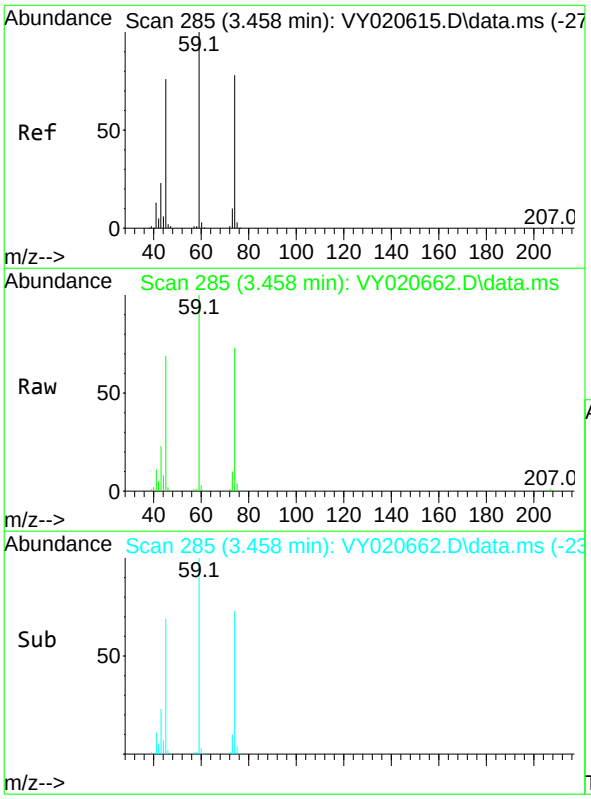
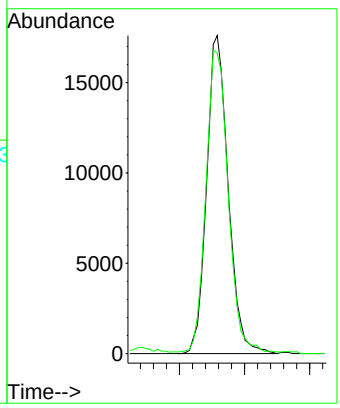
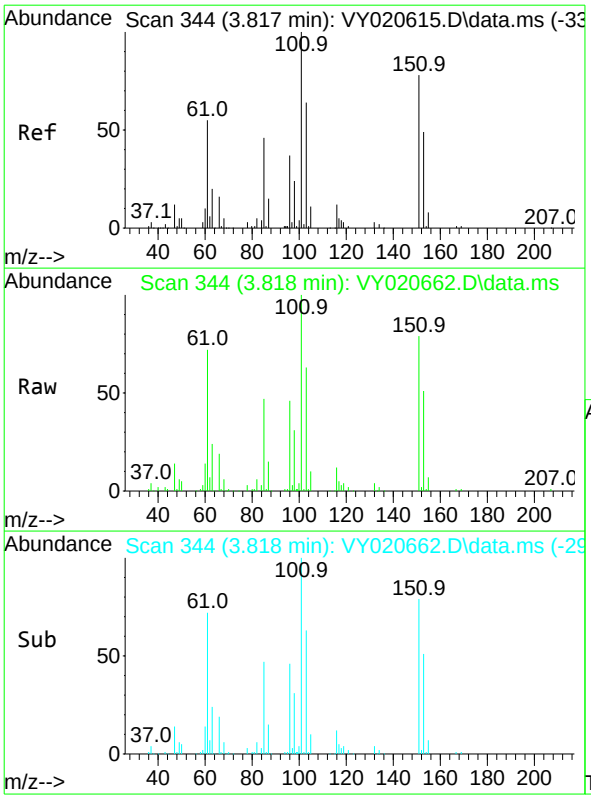


#8
Diethyl Ether
Concen: 20.764 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 74 Resp: 40479

Ion	Ratio	Lower	Upper
74	100		
45	97.2	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.664 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 82334

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.6	54.8
151	77.7	61.5	92.3

Manual Integrations
APPROVED

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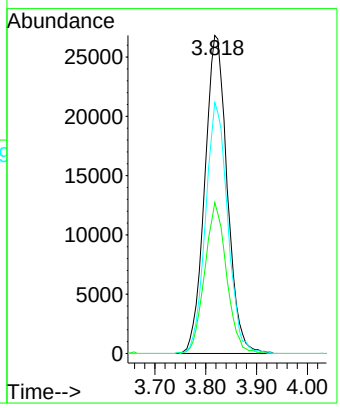
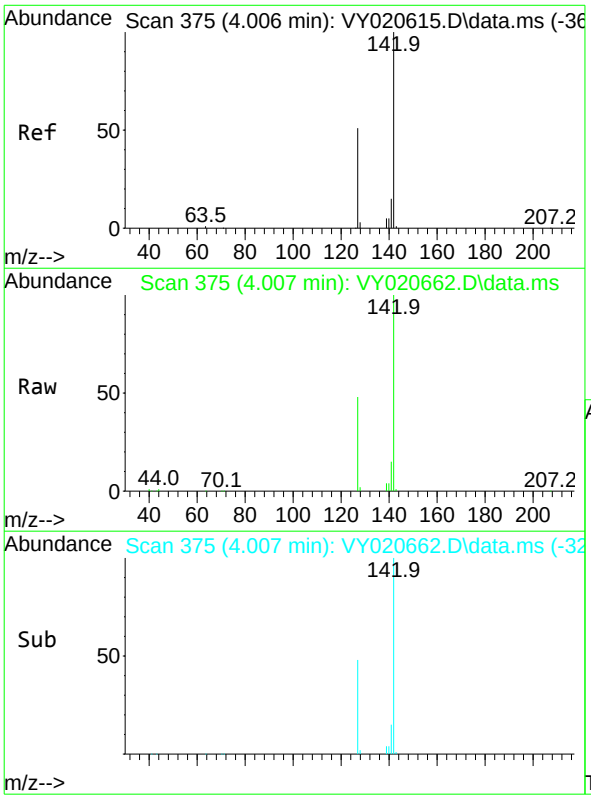
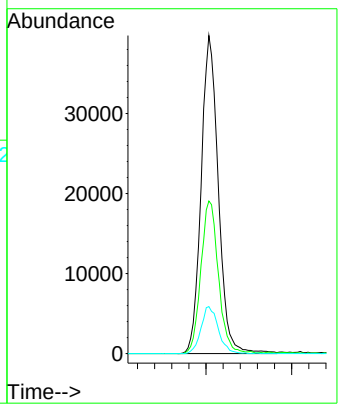


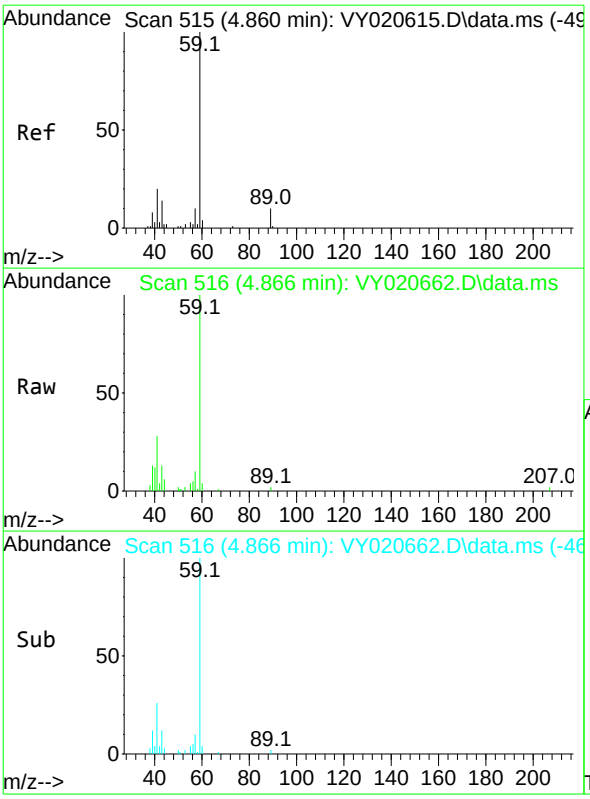


#10
Methyl Iodide
Concen: 24.986 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:142 Resp: 110838

Ion	Ratio	Lower	Upper
142	100		
127	48.9	40.6	61.0
141	14.9	11.7	17.5

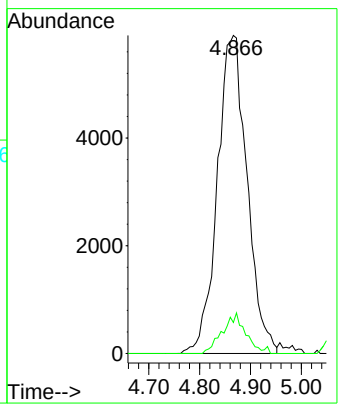




#11
Tert butyl alcohol
Concen: 41.062 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 59 Resp: 23935

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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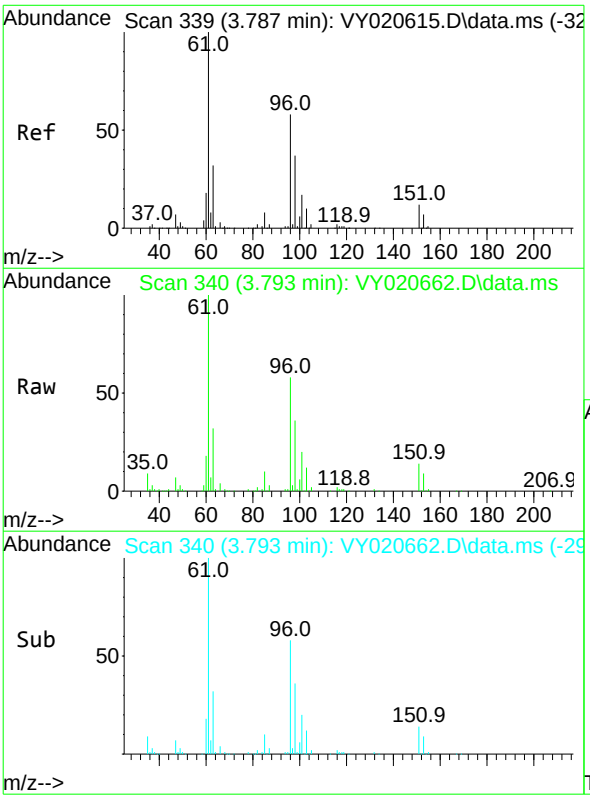
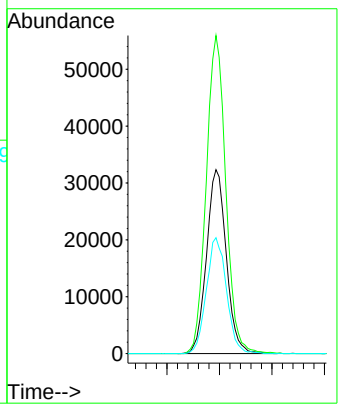
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

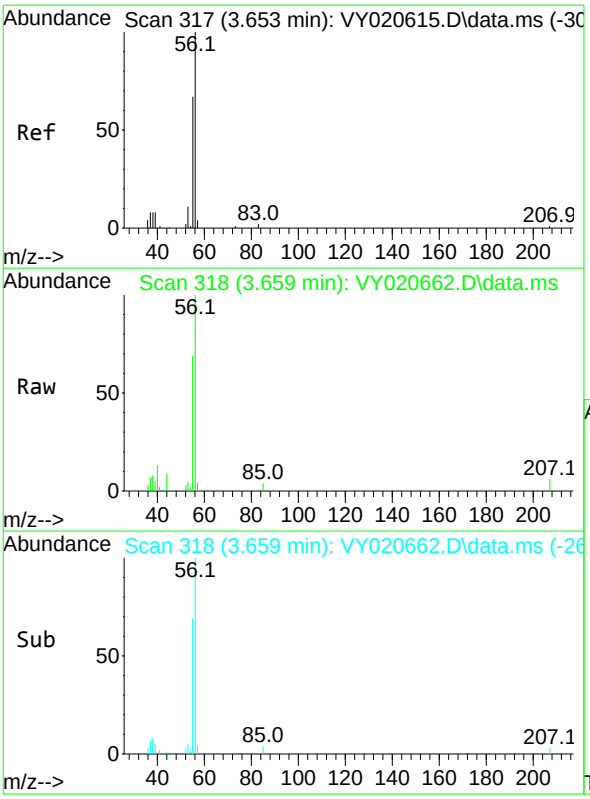


#12
1,1-Dichloroethene
Concen: 21.885 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 96 Resp: 84608

Ion	Ratio	Lower	Upper
96	100		
61	172.9	136.9	205.3
98	63.0	50.2	75.4

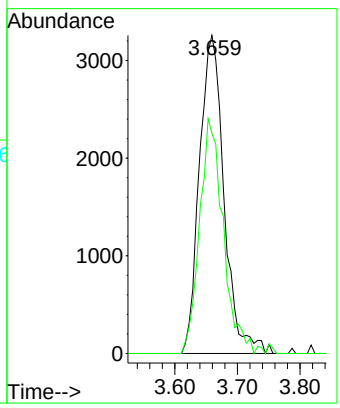




#13
Acrolein
Concen: 55.648 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 56 Resp: 8888

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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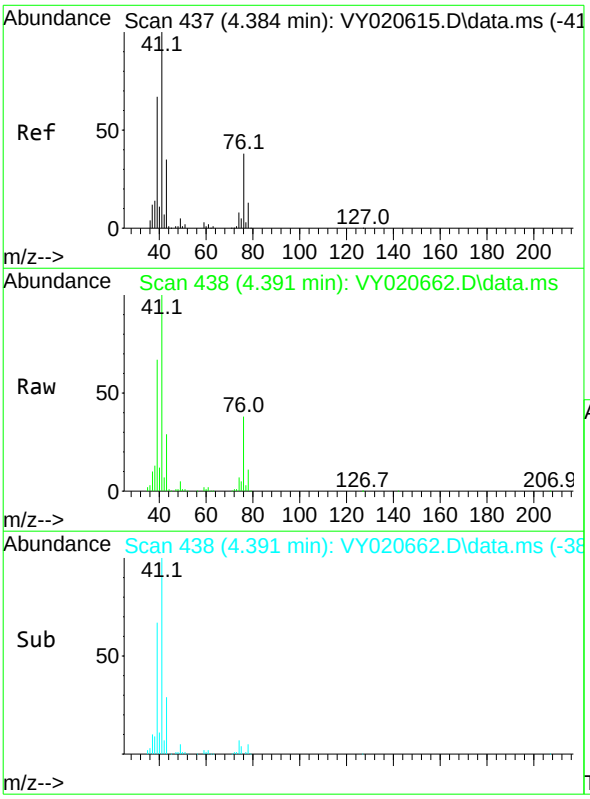
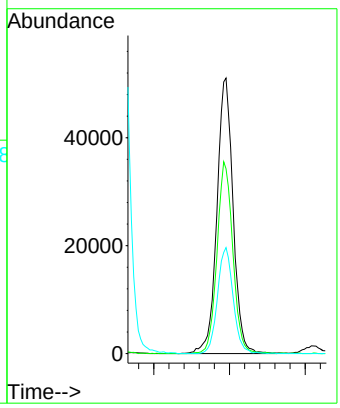
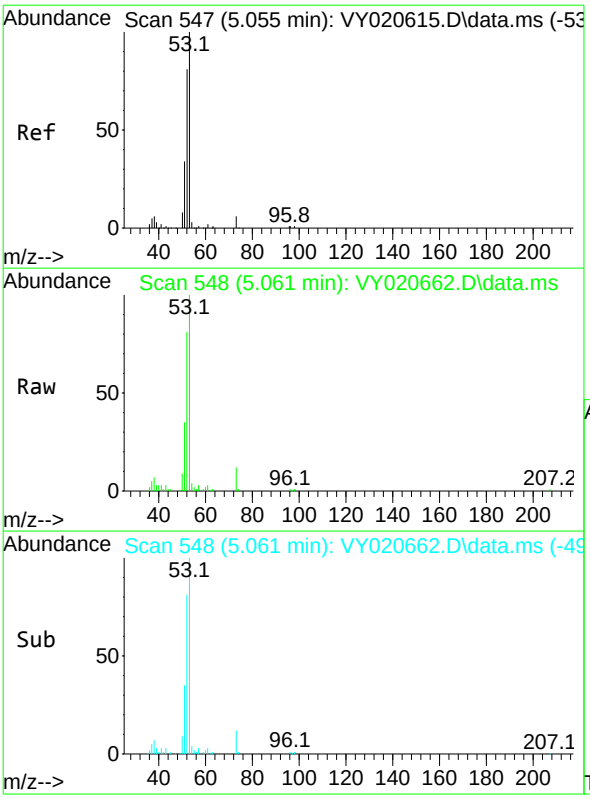


#14
Allyl chloride
Concen: 22.407 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 41 Resp: 151793

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.0	79.4
76	37.0	29.5	44.3

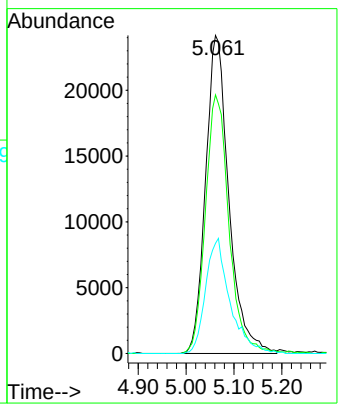




#15
Acrylonitrile
Concen: 87.534 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 53 Resp: 81639

Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	37.8	29.4	44.0



Instrument :
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ClientSampleId :
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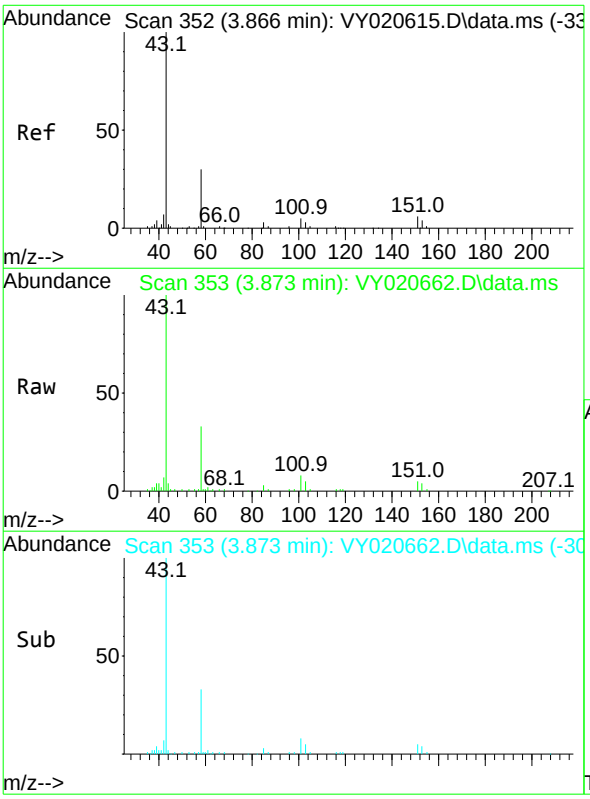
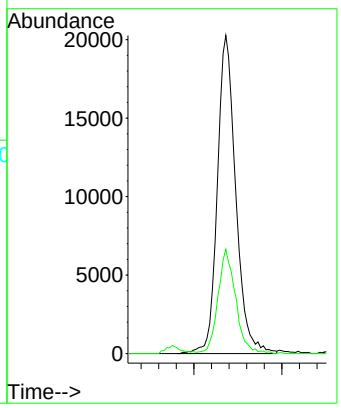
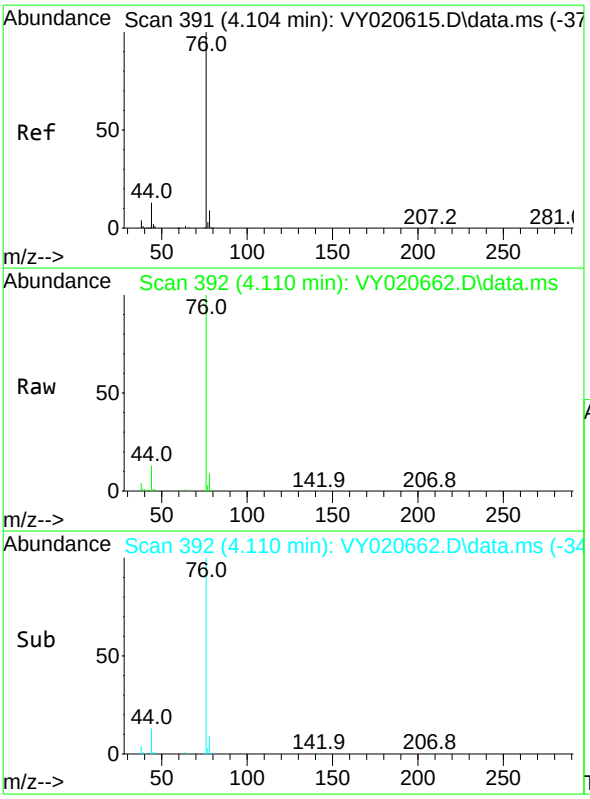


#16
Acetone
Concen: 83.445 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 58873

Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.0	37.6

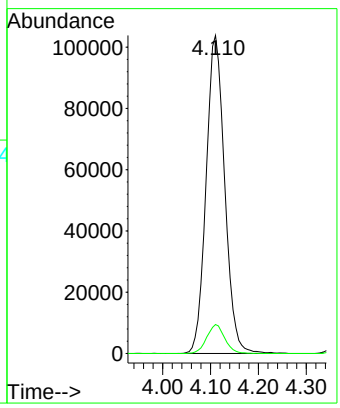




#17
Carbon Disulfide
Concen: 22.232 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 76 Resp: 279766

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
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ClientSampleId :
VSTDCCC050EC

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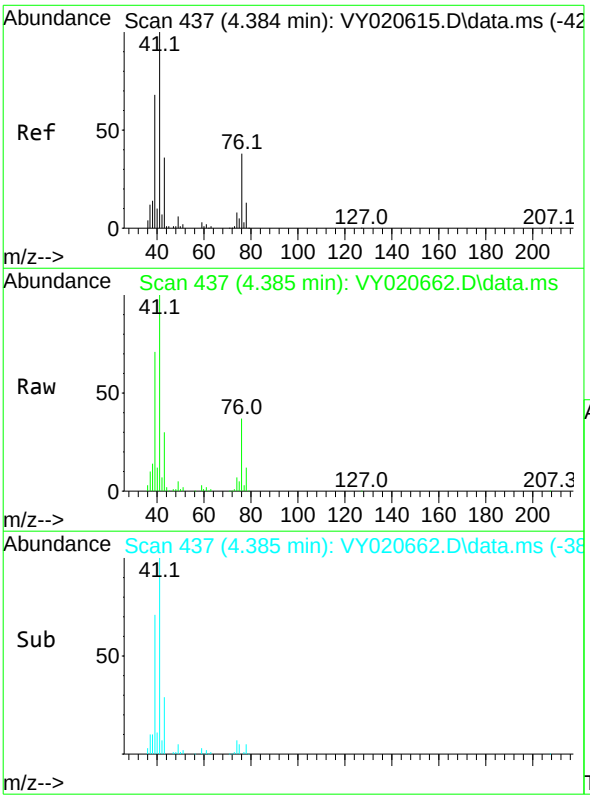
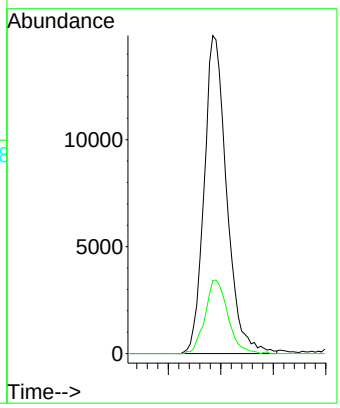
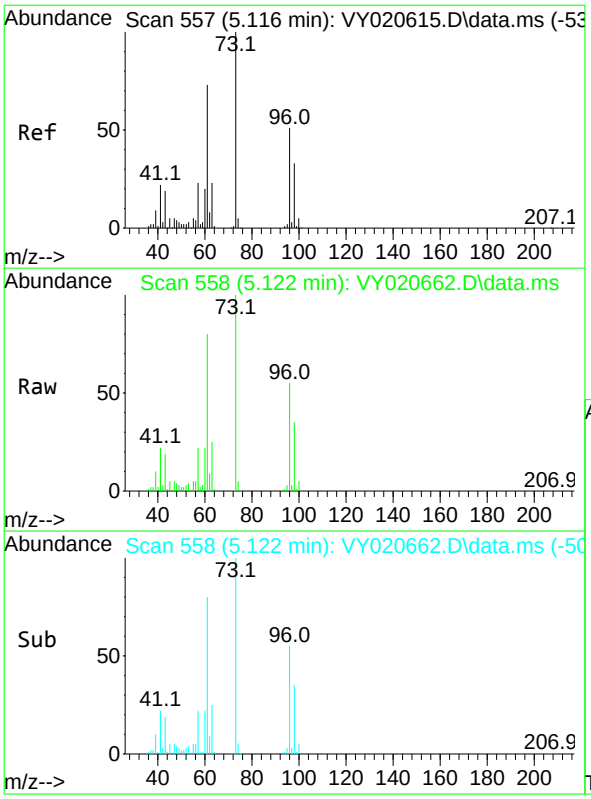


#18
Methyl Acetate
Concen: 19.310 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 44378

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8

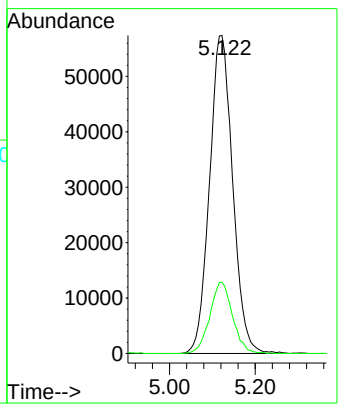




#19
Methyl tert-butyl Ether
Concen: 21.584 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 73 Resp: 215375

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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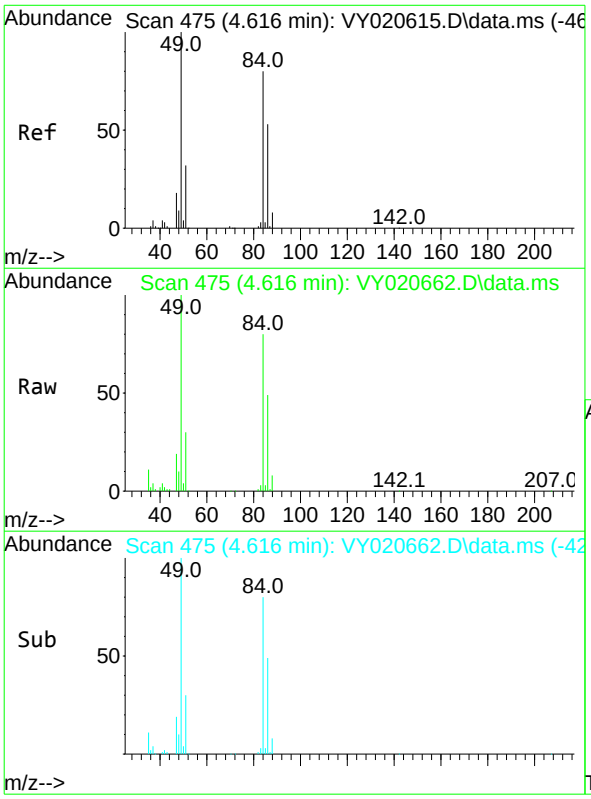
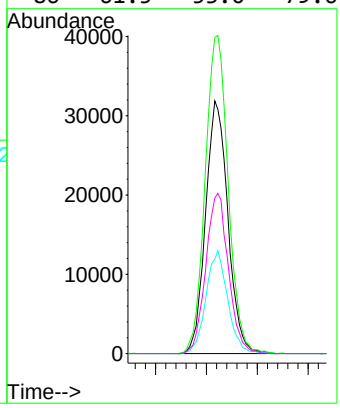
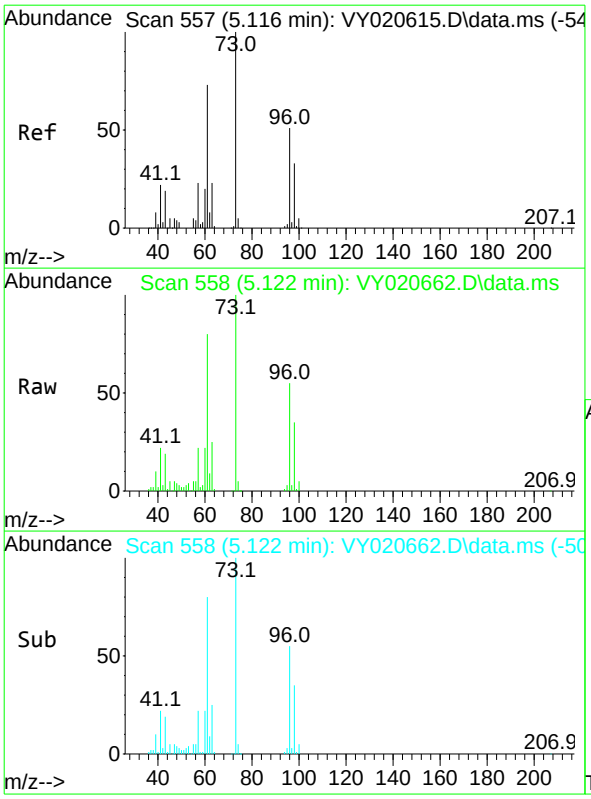


#20
Methylene Chloride
Concen: 23.204 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 84 Resp: 97448

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.7	151.1
51	37.3	32.2	48.2
86	61.5	53.0	79.6

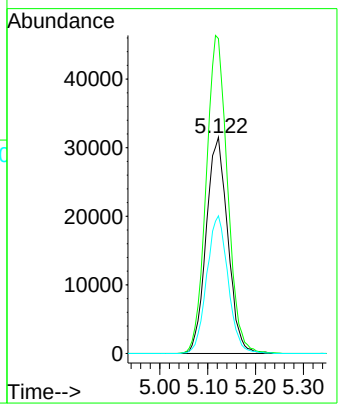




#21
trans-1,2-Dichloroethene
Concen: 22.803 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 96 Resp: 98887

Ion	Ratio	Lower	Upper
96	100		
61	145.6	113.7	170.5
98	63.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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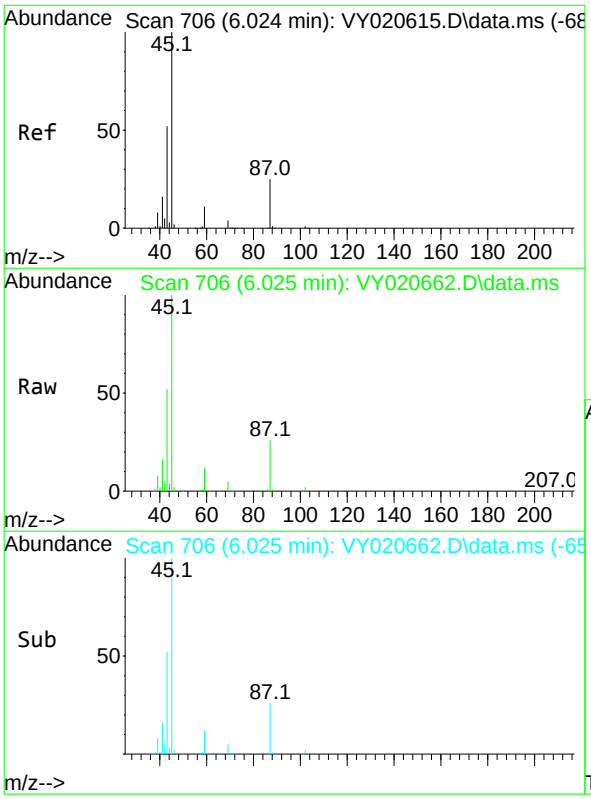
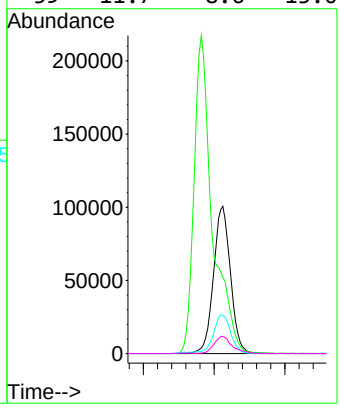
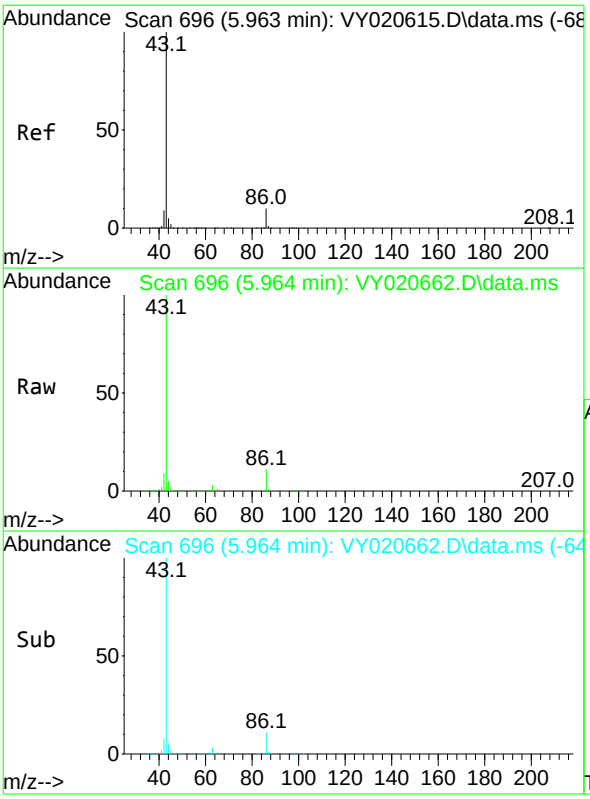


#22
Diisopropyl ether
Concen: 24.389 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 45 Resp: 335366

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.6	64.0
87	26.0	20.6	31.0
59	11.7	8.6	13.0





#23
Vinyl Acetate
Concen: 100.483 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 782554

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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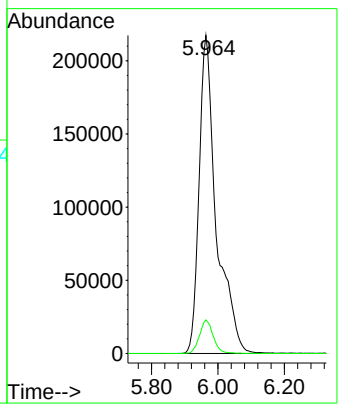
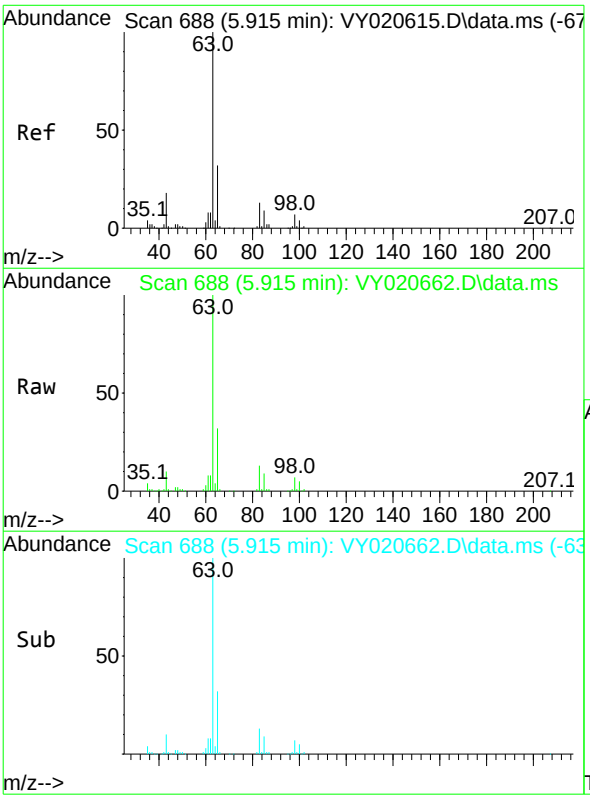
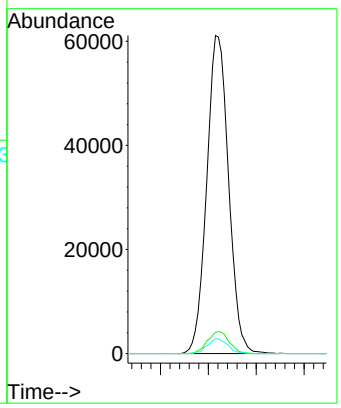


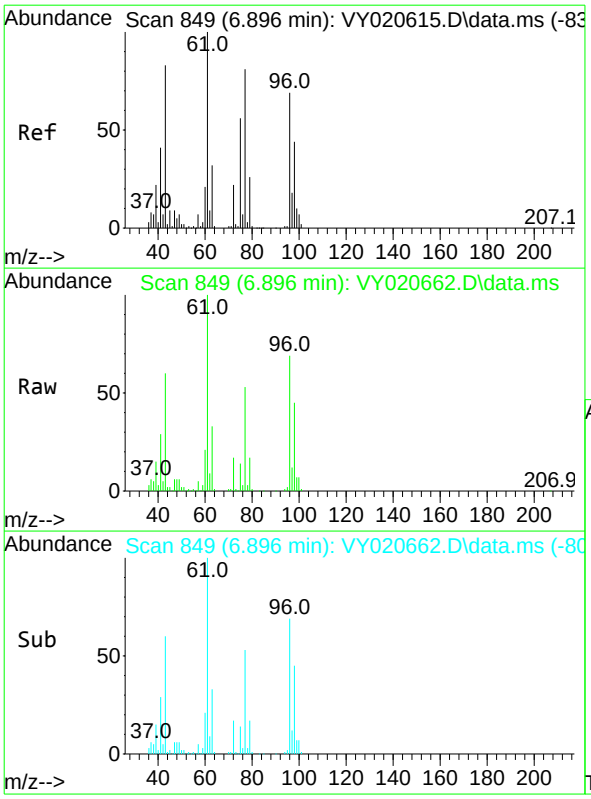


#24
1,1-Dichloroethane
Concen: 24.037 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 63 Resp: 193633

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 82.027 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 102968

Ion	Ratio	Lower	Upper
43	100		
72	28.2	20.6	31.0

Instrument :
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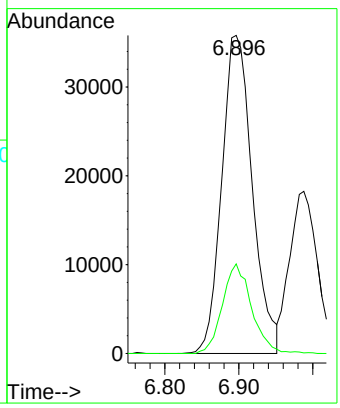
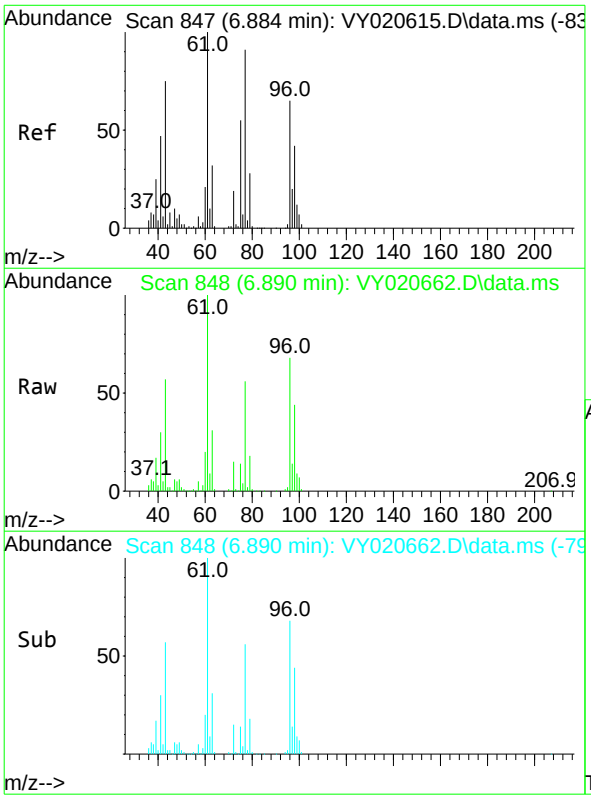
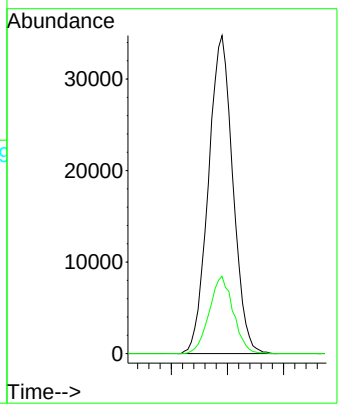


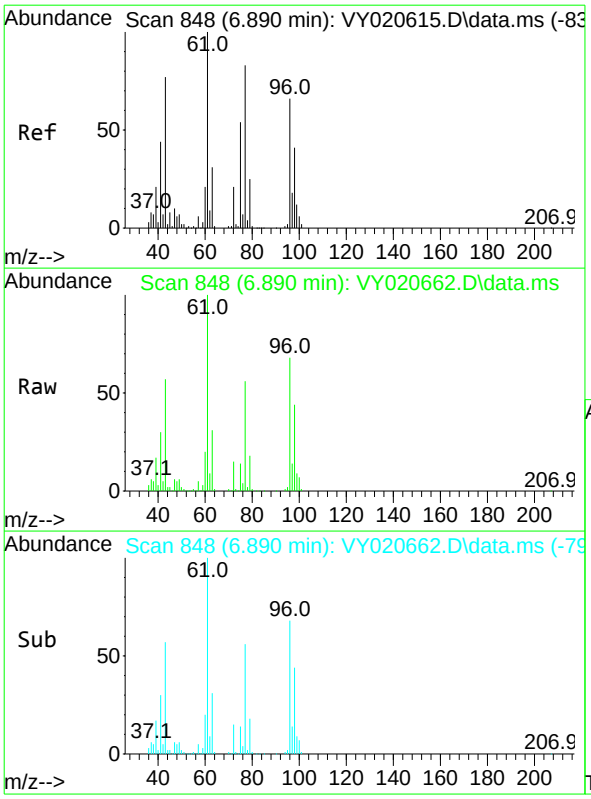


#26
2,2-Dichloropropane
Concen: 13.836 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 77 Resp: 105366

Ion	Ratio	Lower	Upper
77	100		
97	23.8	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 23.640 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 96 Resp: 117949

Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	306.2
98	64.4	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
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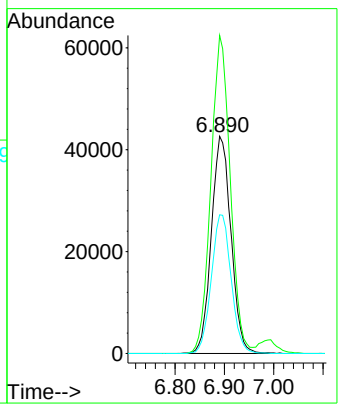
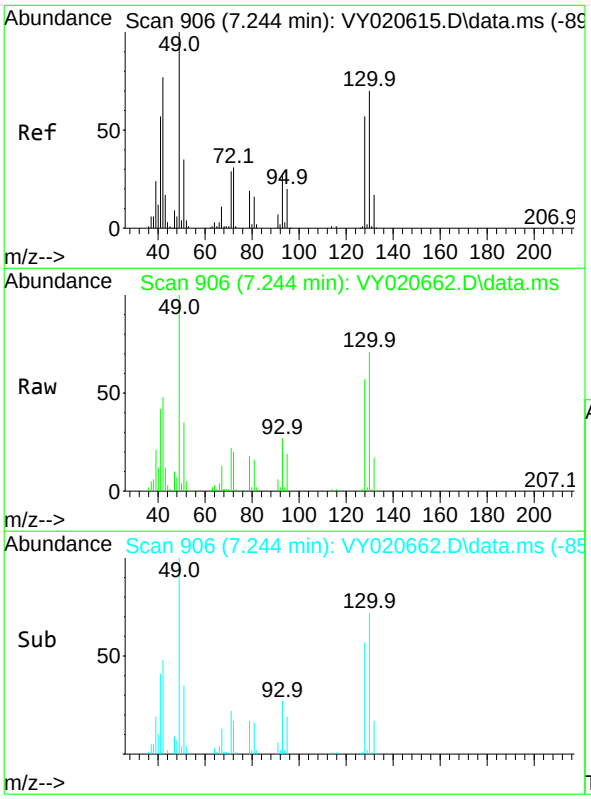
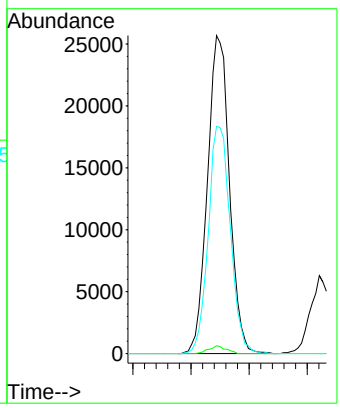


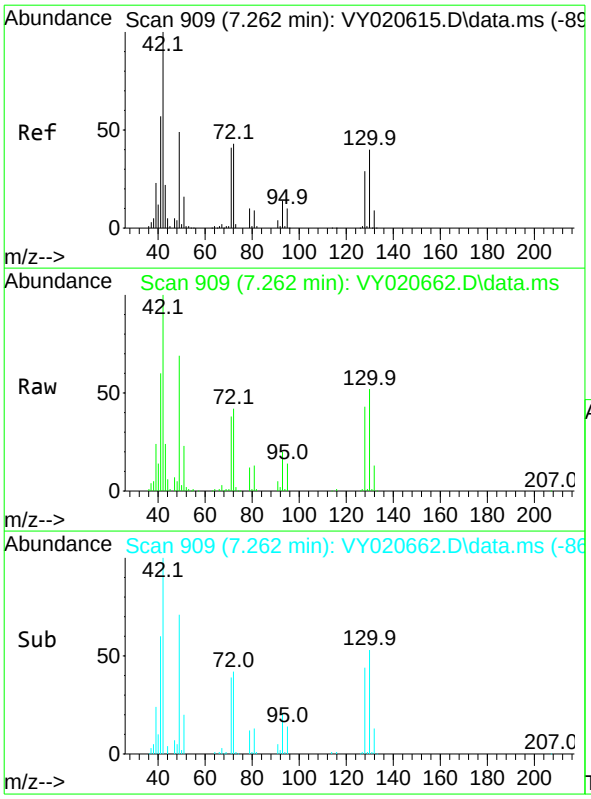


#28
Bromochloromethane
Concen: 24.867 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 49 Resp: 67567

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.7	58.3	87.5





#29
Tetrahydrofuran
Concen: 87.132 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 42 Resp: 69047

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	40.2	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
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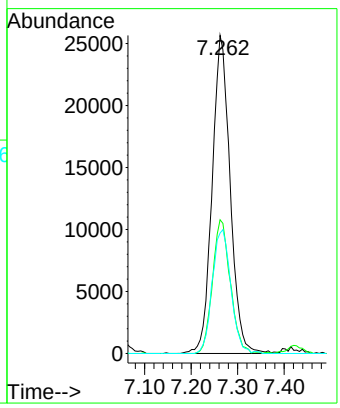
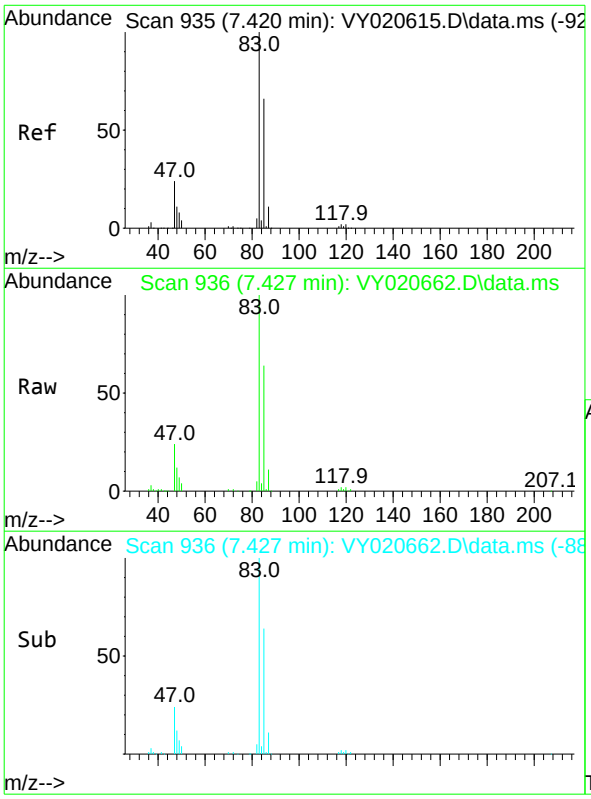
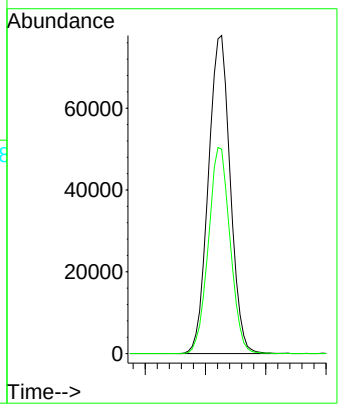


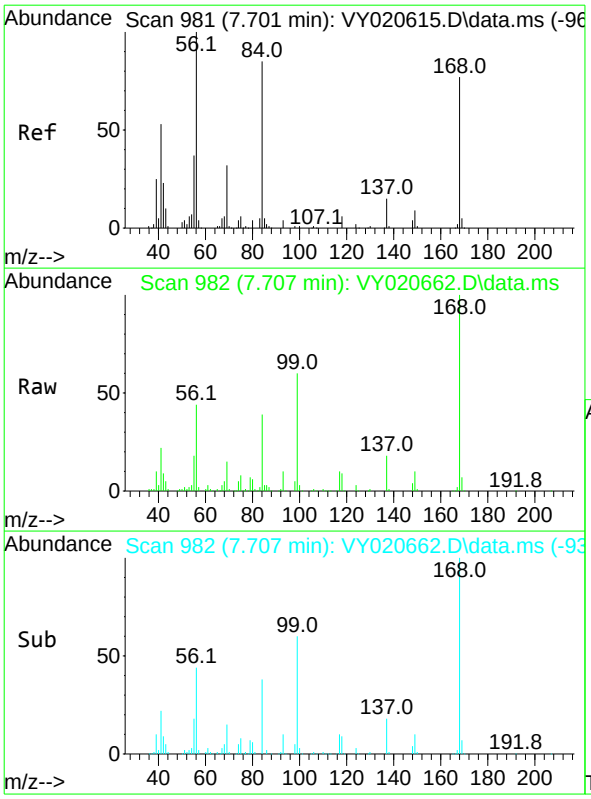


#30
Chloroform
Concen: 21.191 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 83 Resp: 196092

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.7	79.1

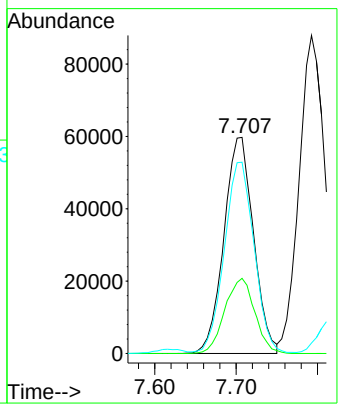




#31
Cyclohexane
Concen: 19.618 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 56 Resp: 151108

Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.0
84	86.7	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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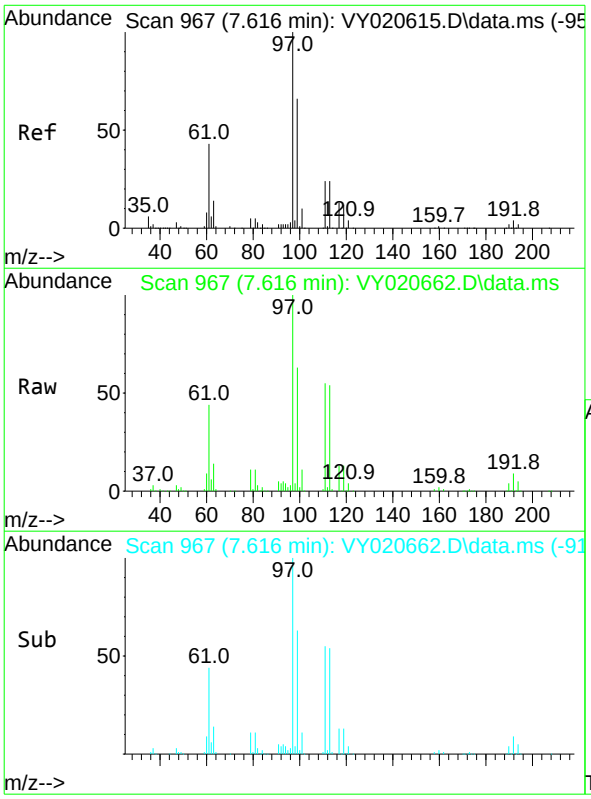
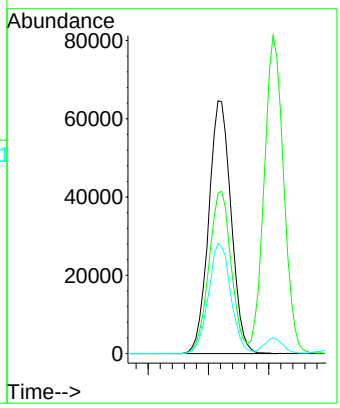
Supervised By :Semsettin Yesilyurt 12/20/2024

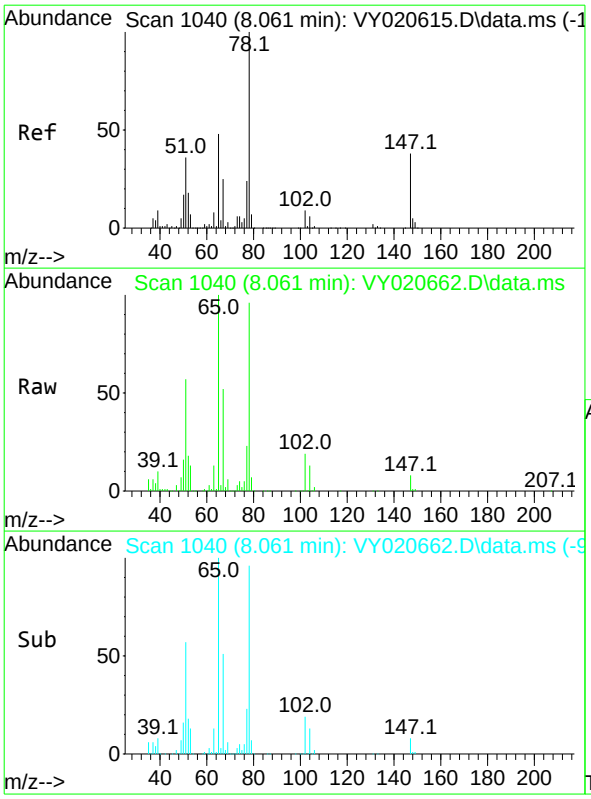


#32
1,1,1-Trichloroethane
Concen: 22.530 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 97 Resp: 166740

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.5	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 48.981 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 65 Resp: 165446

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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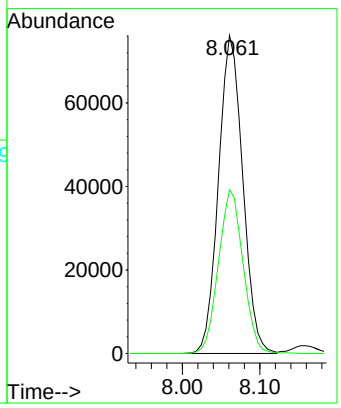
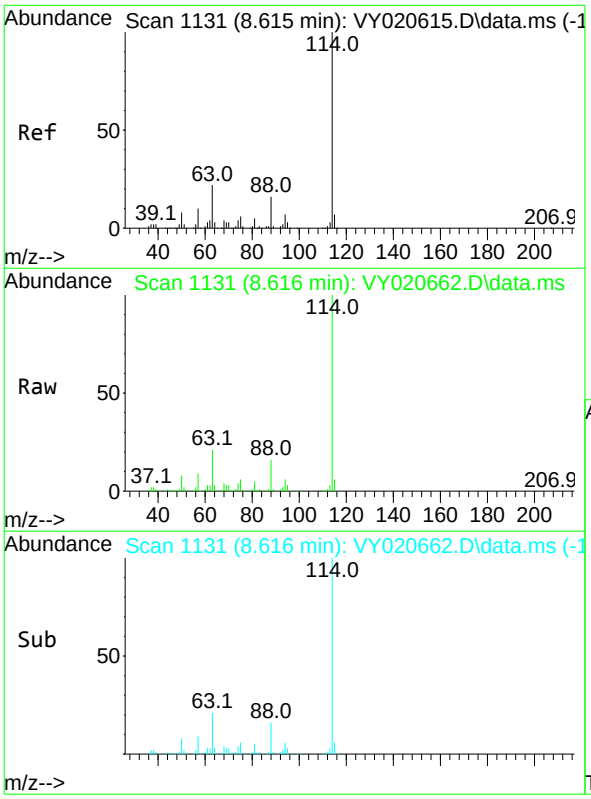
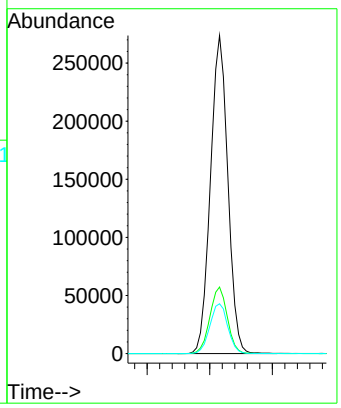


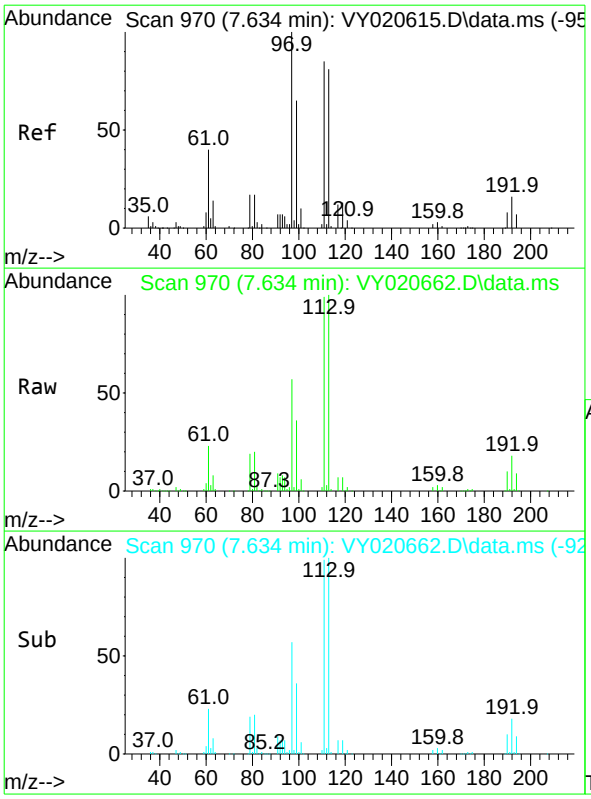


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:114 Resp: 528371

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.0
88	15.7	0.0	32.8





#35
Dibromofluoromethane
Concen: 48.666 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:113 Resp: 181222

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.1	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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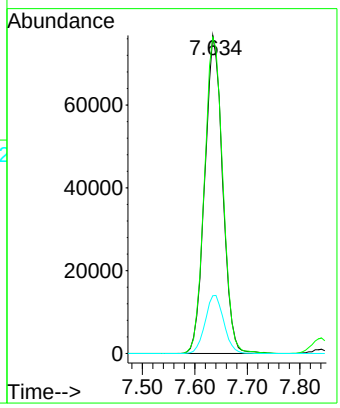
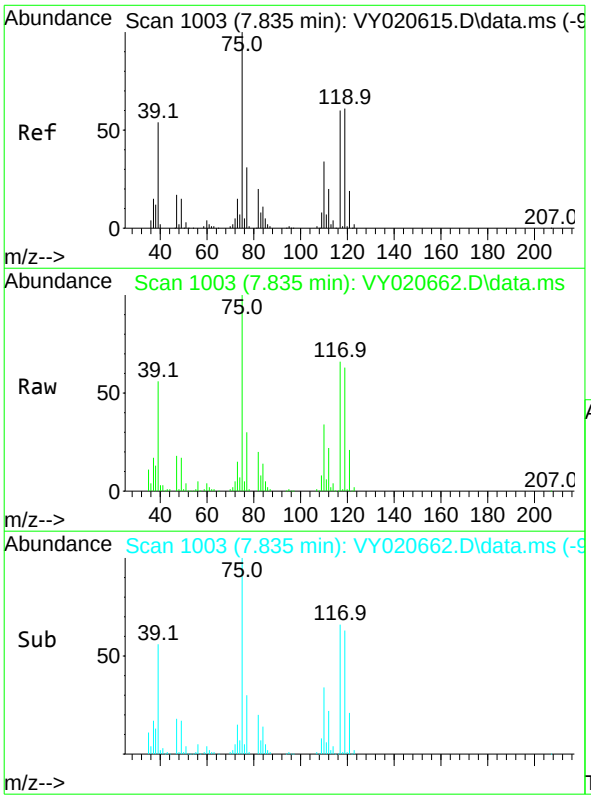
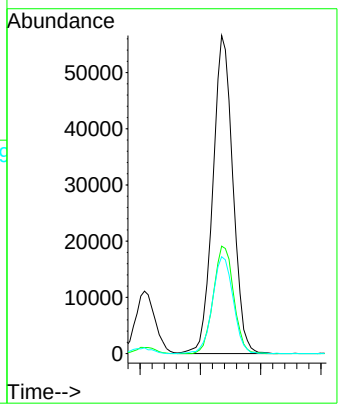


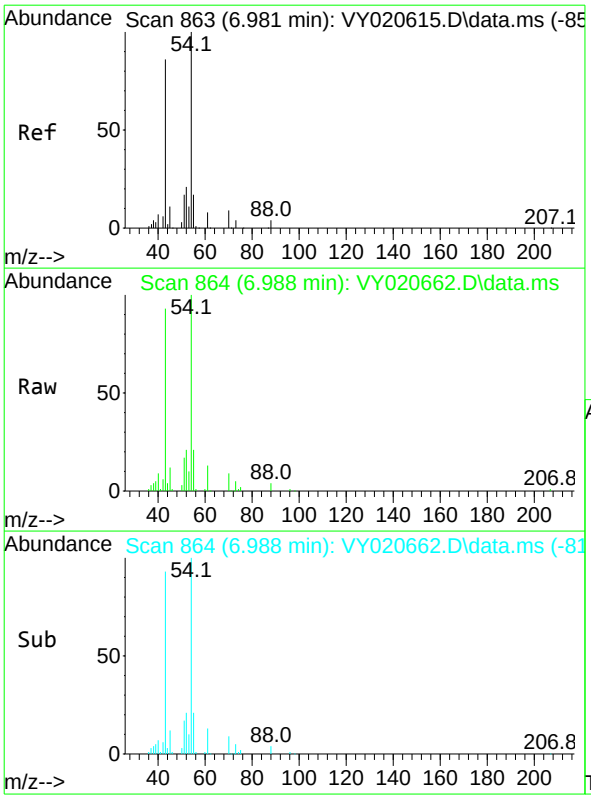


#36
1,1-Dichloropropene
Concen: 19.208 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 130429

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.8	50.4
77	31.6	25.0	37.6

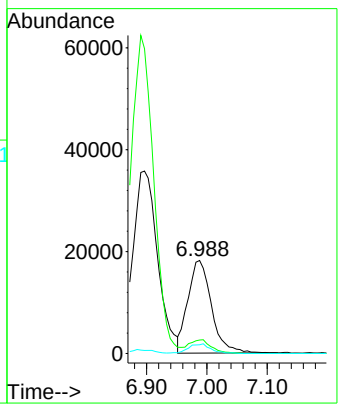




#37
Ethyl Acetate
Concen: 15.417 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 49241

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	9.9	7.9	11.9



Instrument :
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ClientSampleId :
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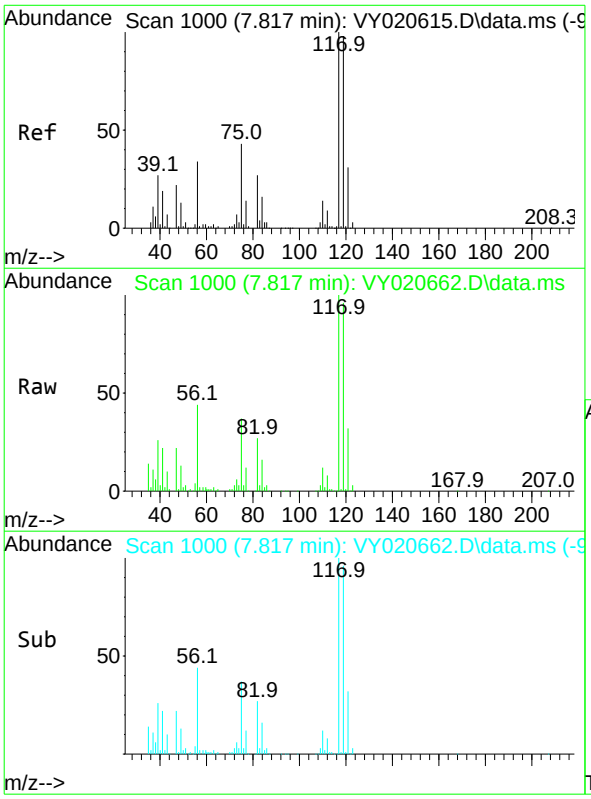
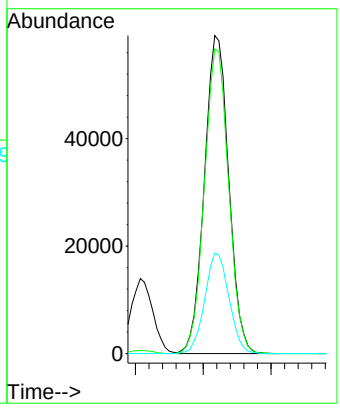
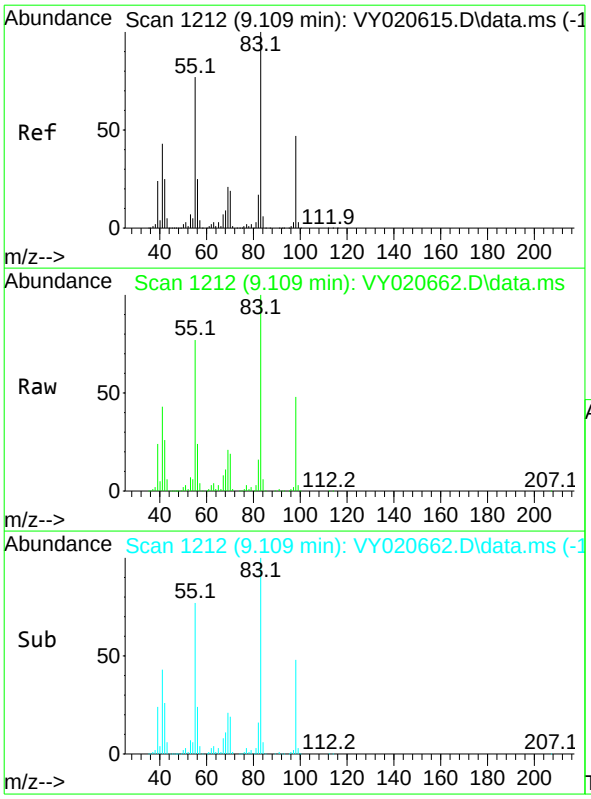


#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:117 Resp: 147544

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	31.6	25.1	37.7





#39
Methylcyclohexane
Concen: 17.524 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 83 Resp: 155084

Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.4	92.0
98	47.9	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
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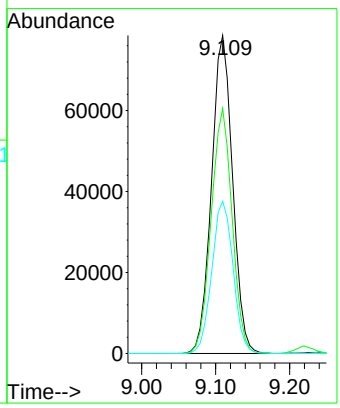
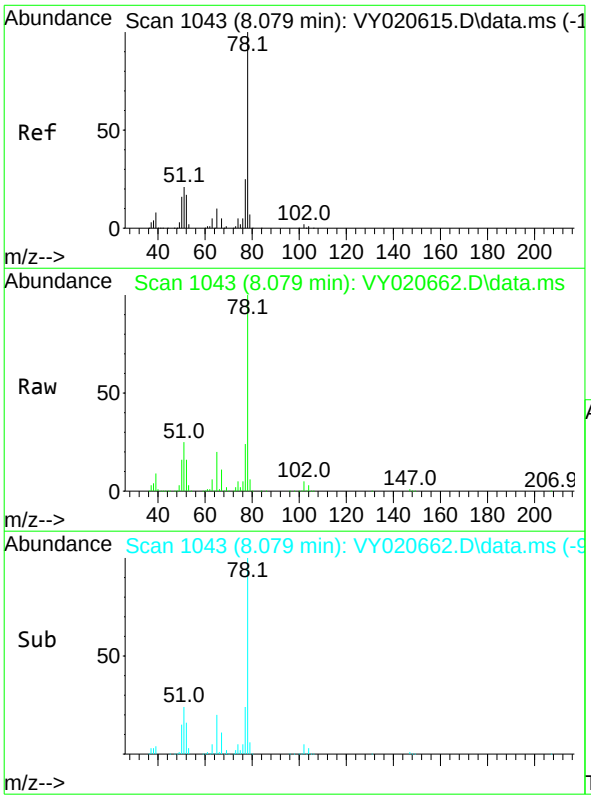
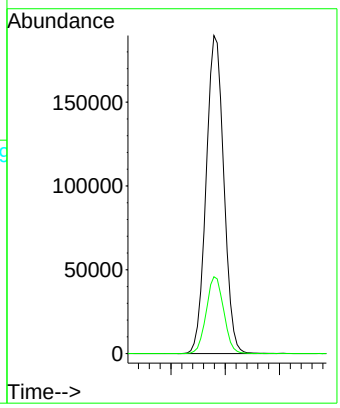


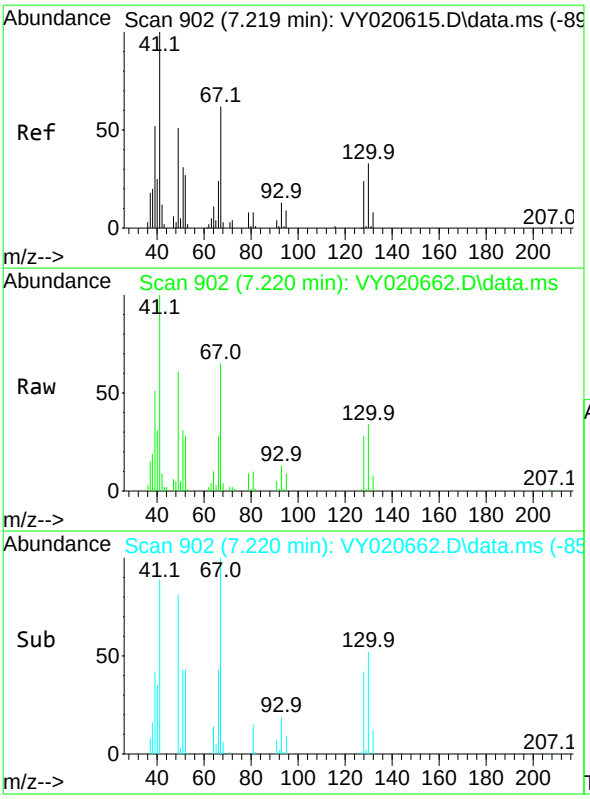


#40
Benzene
Concen: 21.564 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 78 Resp: 429196

Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.1	30.1

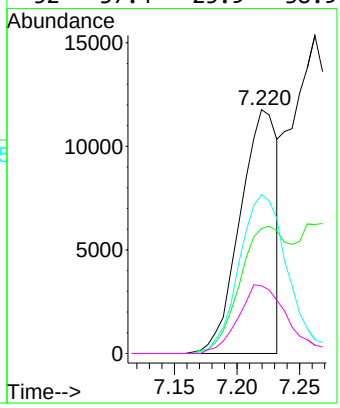




#41
Methacrylonitrile
Concen: 14.338 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 41 Resp: 24211

Ion	Ratio	Lower	Upper
41	100		
39	69.9	53.6	80.4
67	85.9	62.0	93.0
52	37.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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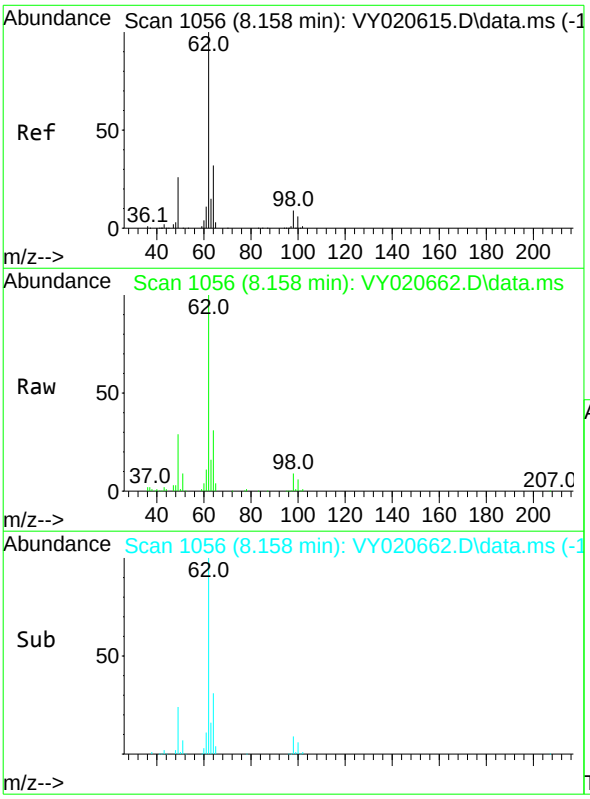
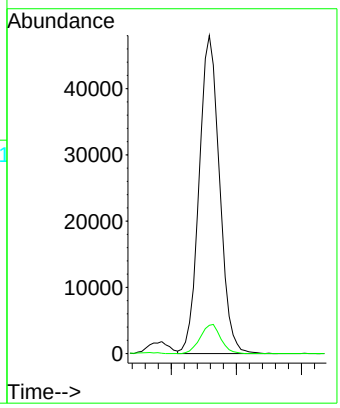
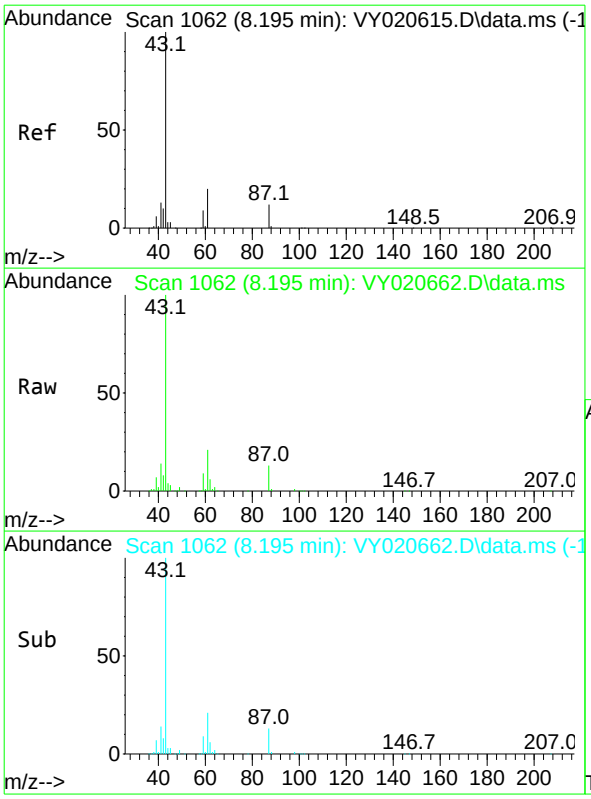


#42
1,2-Dichloroethane
Concen: 19.798 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 62 Resp: 104508

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0

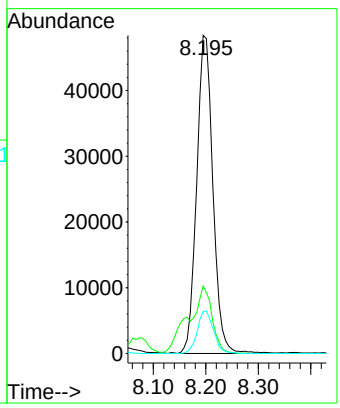




#43
Isopropyl Acetate
Concen: 17.203 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 104020

Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.8	35.6
87	13.4	10.2	15.4



Instrument :
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ClientSampleId :
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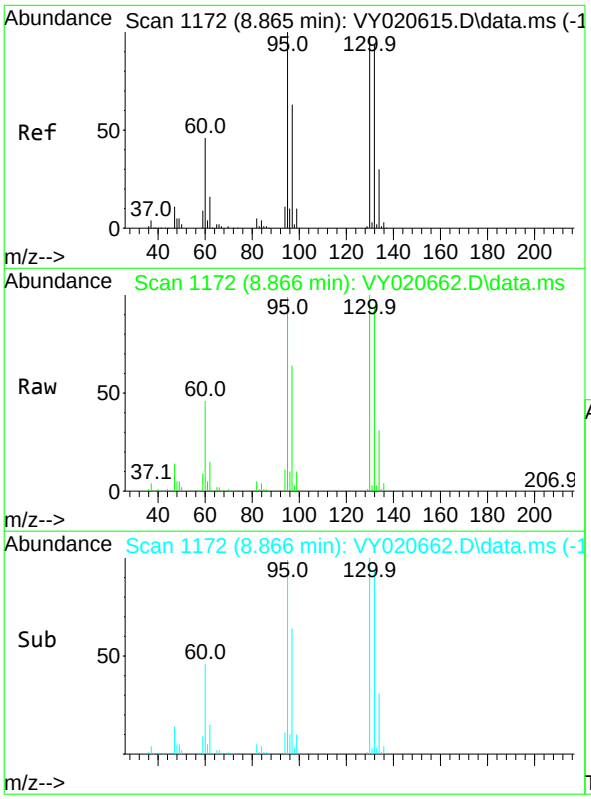
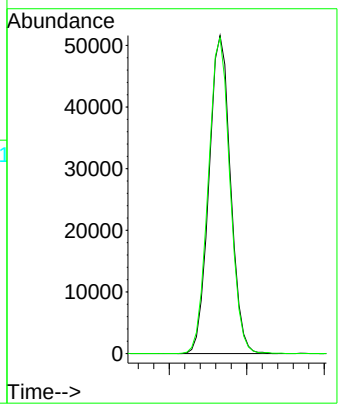
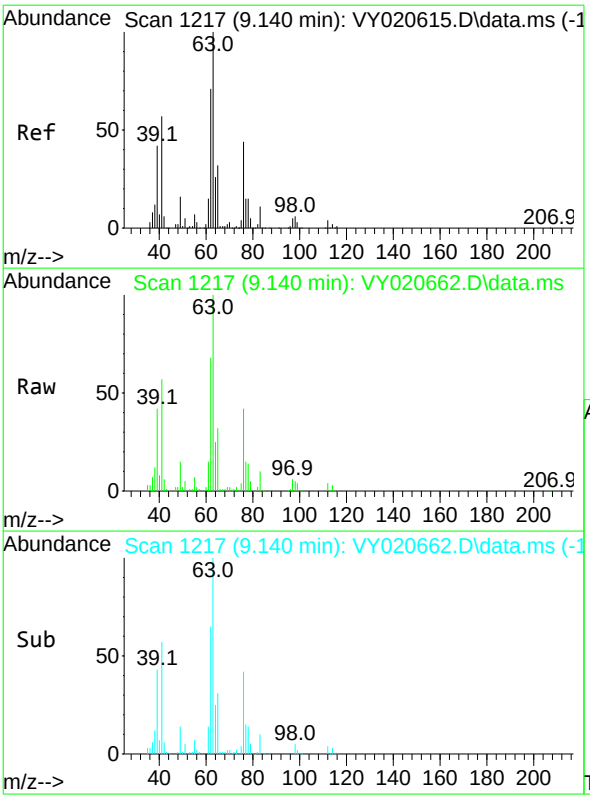


#44
Trichloroethene
Concen: 20.381 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:130 Resp: 99674

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	203.2

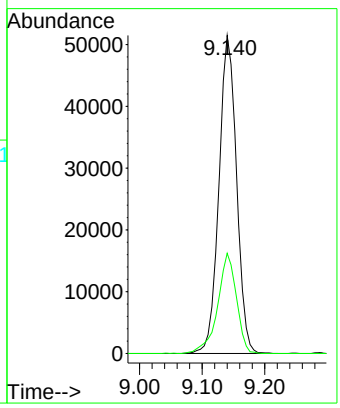




#45
1,2-Dichloropropane
Concen: 21.636 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 63 Resp: 100644

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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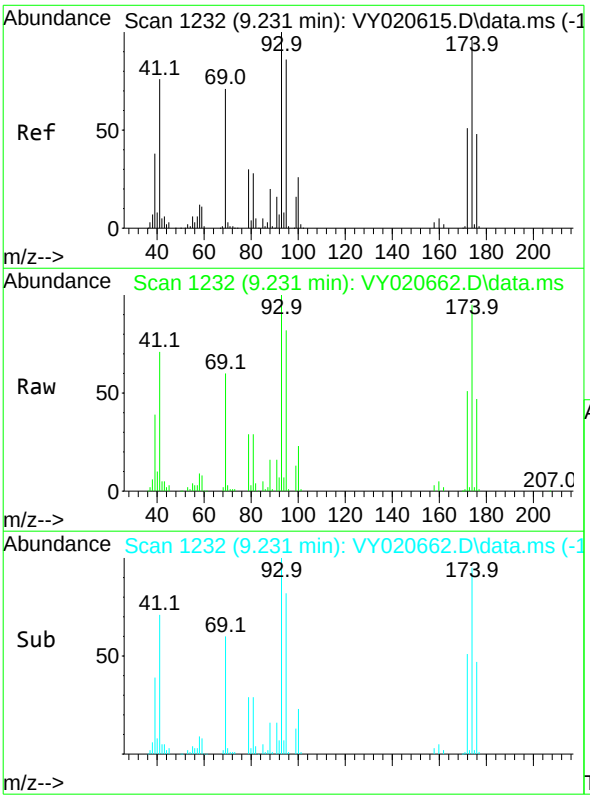
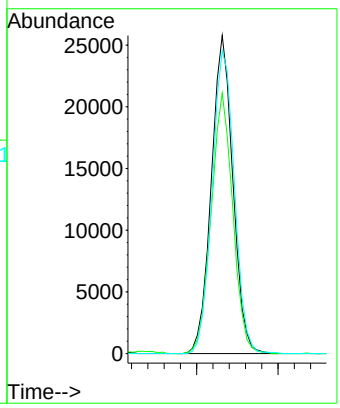
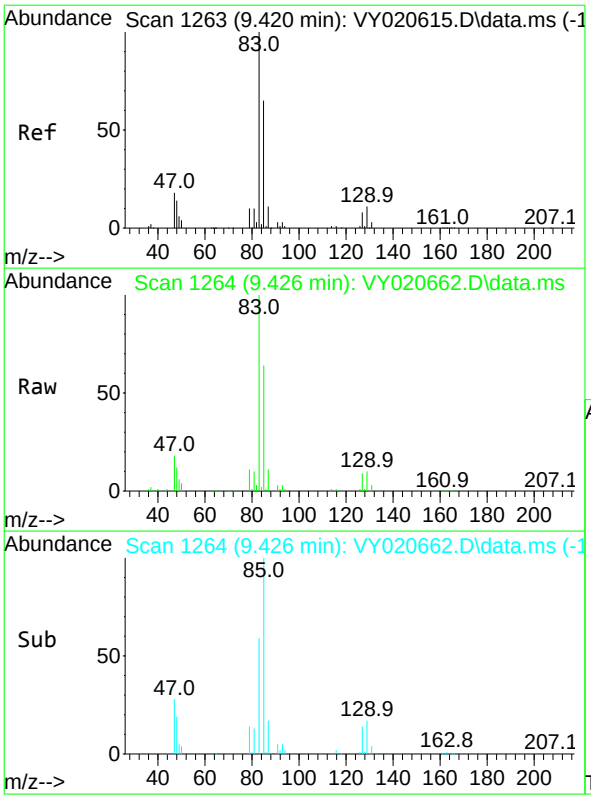


#46
Dibromomethane
Concen: 19.282 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 93 Resp: 47401

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.7	100.1
174	98.5	77.8	116.6

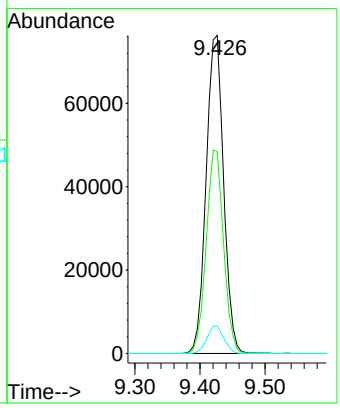




#47
Bromodichloromethane
Concen: 21.405 ug/l
RT: 9.426 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 83 Resp: 142143

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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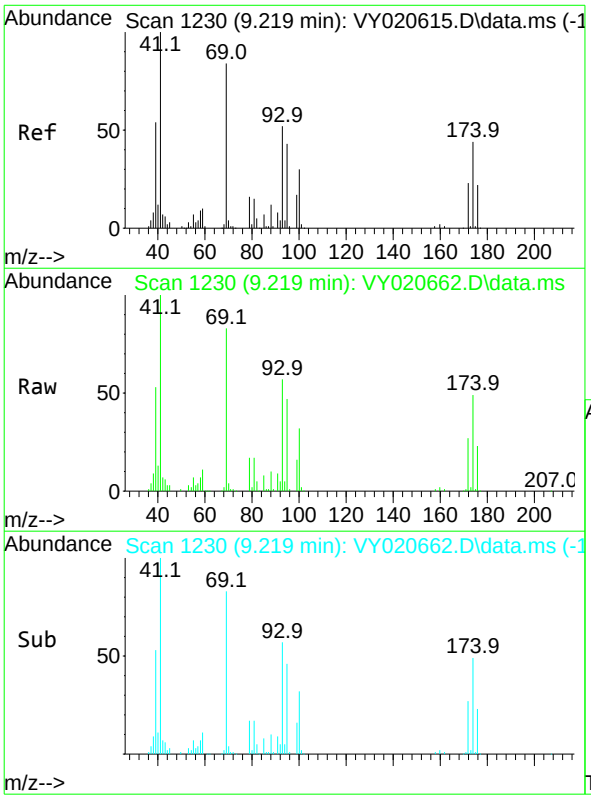
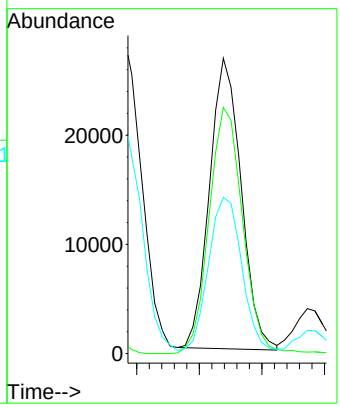
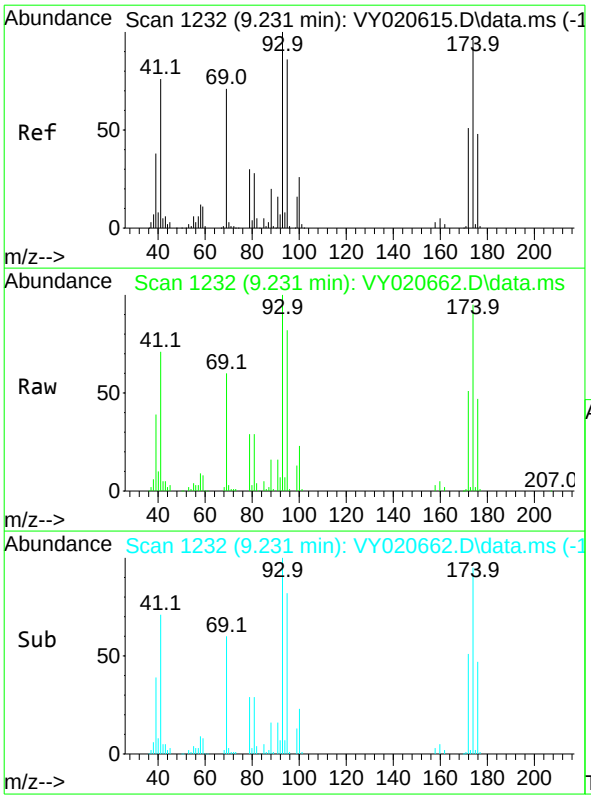


#48
Methyl methacrylate
Concen: 16.260 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 41 Resp: 46742

Ion	Ratio	Lower	Upper
41	100		
69	90.1	67.2	100.8
39	55.6	42.2	63.4





#49
1,4-Dioxane
Concen: 318.450 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 88 Resp: 8978

Ion	Ratio	Lower	Upper
88	100		
43	37.2	27.6	41.4
58	64.6	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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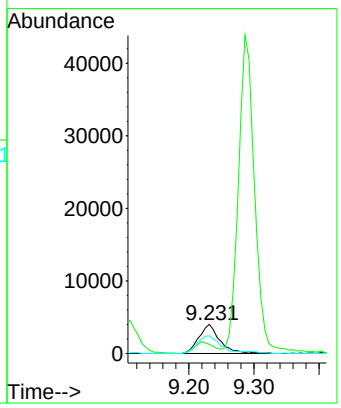
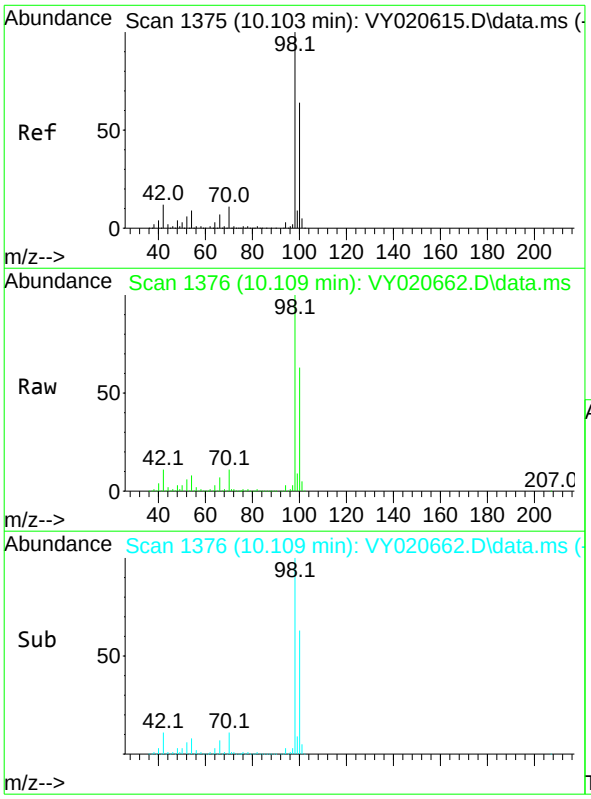
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

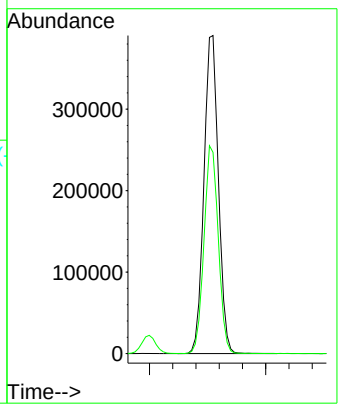


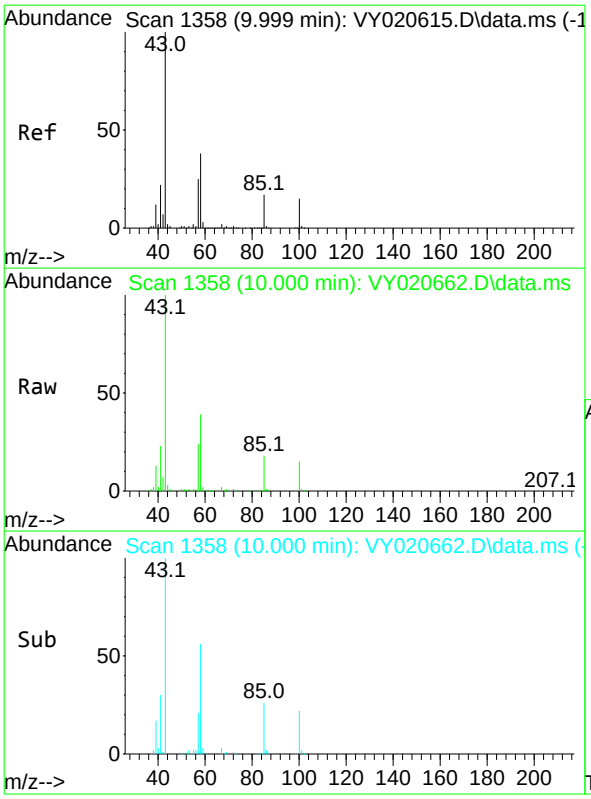


#50
Toluene-d8
Concen: 51.718 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 98 Resp: 674087

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

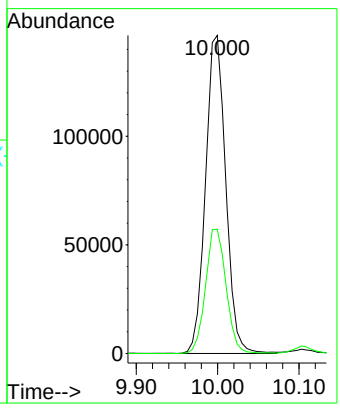




#51
4-Methyl-2-Pentanone
Concen: 79.170 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 252688

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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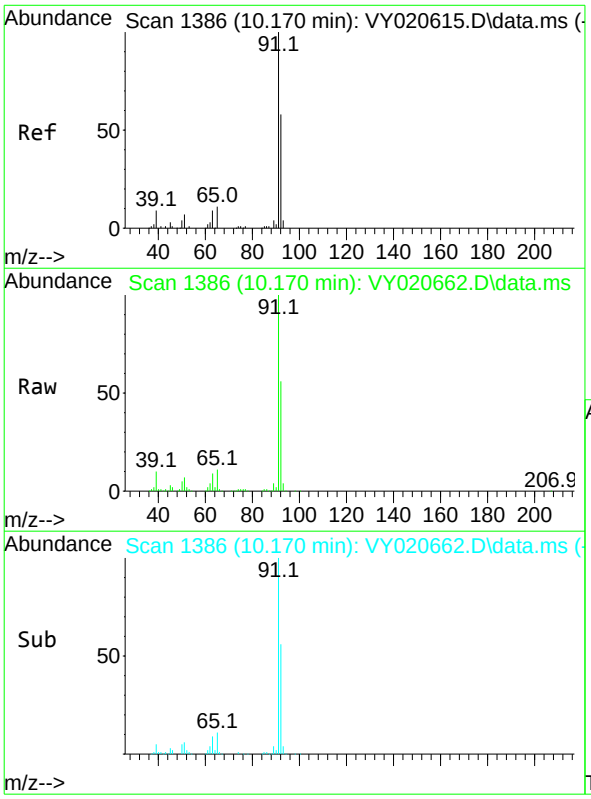
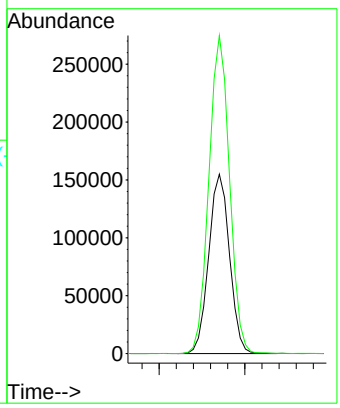
Supervised By :Semsettin Yesilyurt 12/20/2024

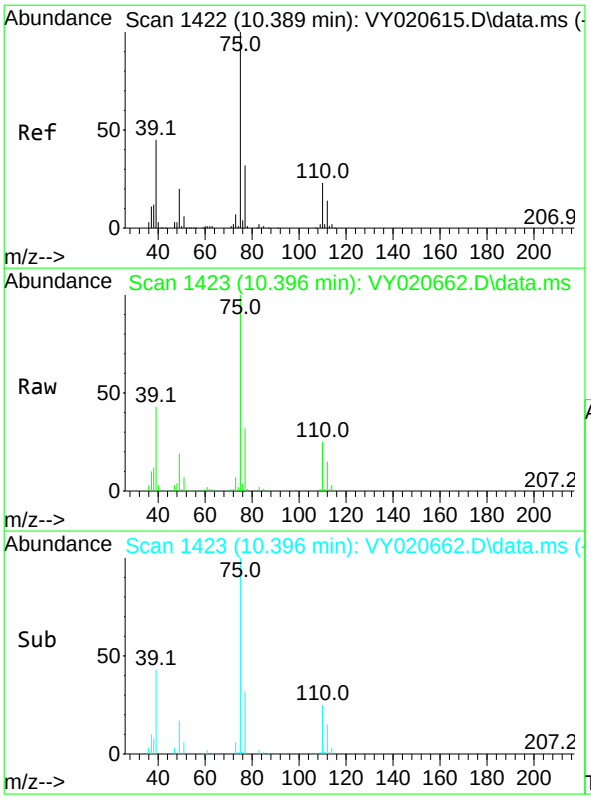


#52
Toluene
Concen: 21.138 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 92 Resp: 261457

Ion	Ratio	Lower	Upper
92	100		
91	175.8	137.4	206.0

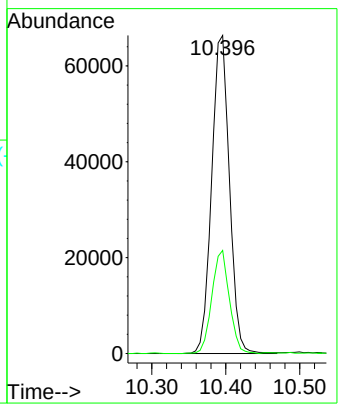




#53
t-1,3-Dichloropropene
Concen: 17.875 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 110607

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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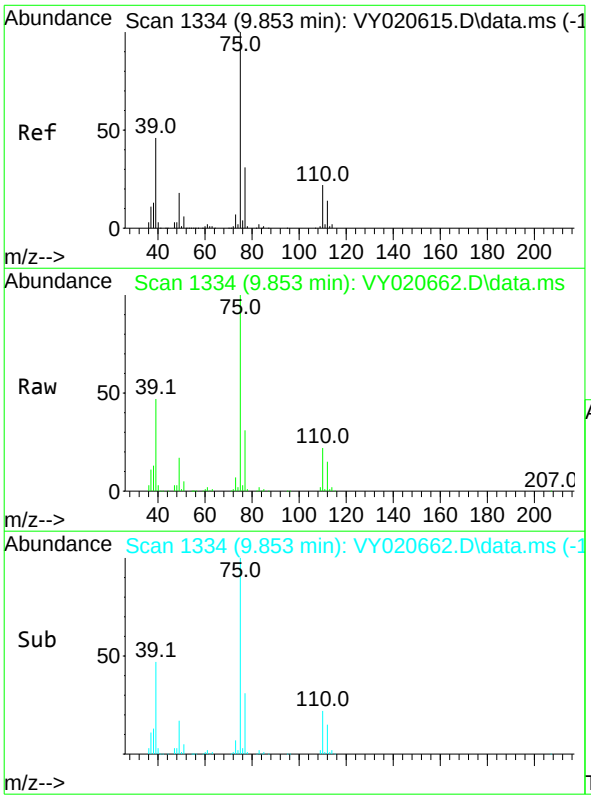
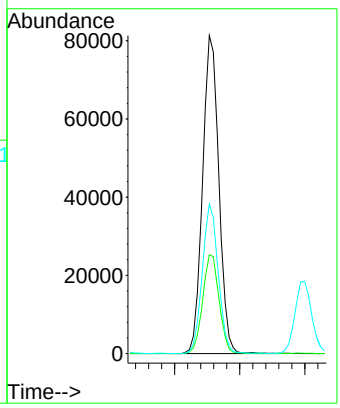
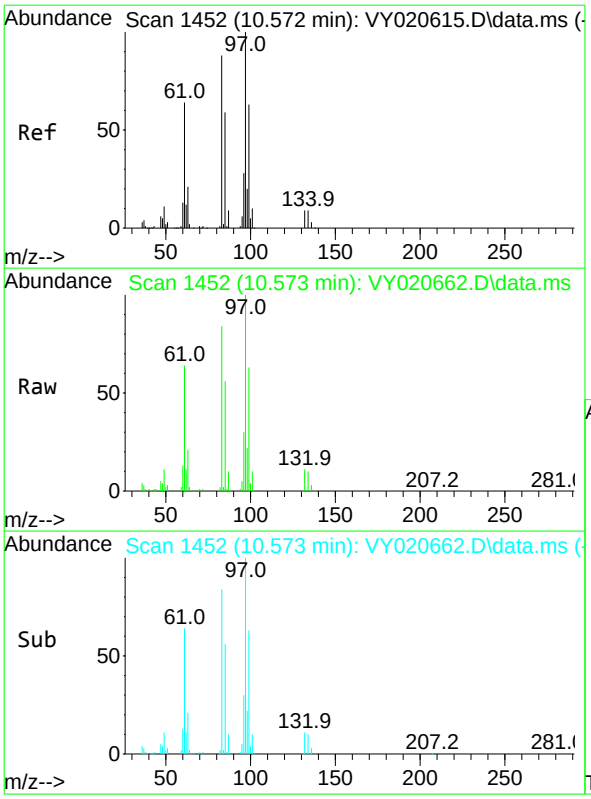


#54
cis-1,3-Dichloropropene
Concen: 19.252 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 141161

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	47.0	36.4	54.6





#55
1,1,2-Trichloroethane
Concen: 19.236 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 62521

Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.4	105.6
85	55.9	47.2	70.8
99	63.3	50.0	75.0

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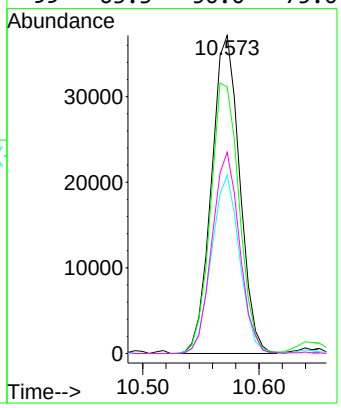
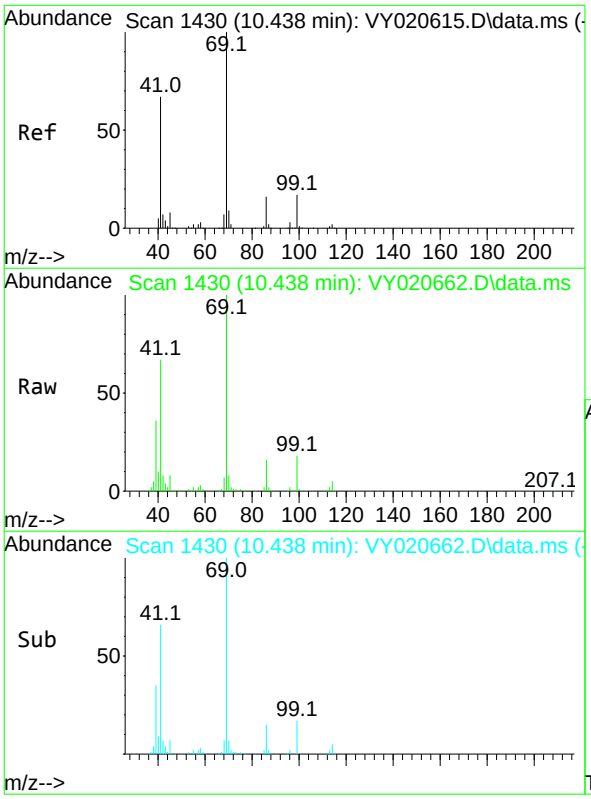
Supervised By :Semsettin Yesilyurt 12/20/2024

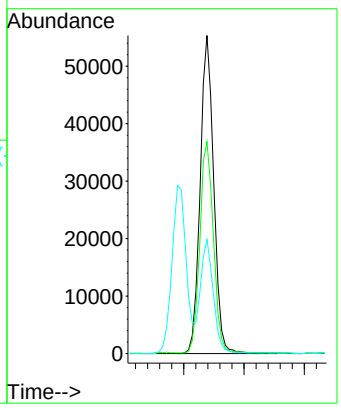


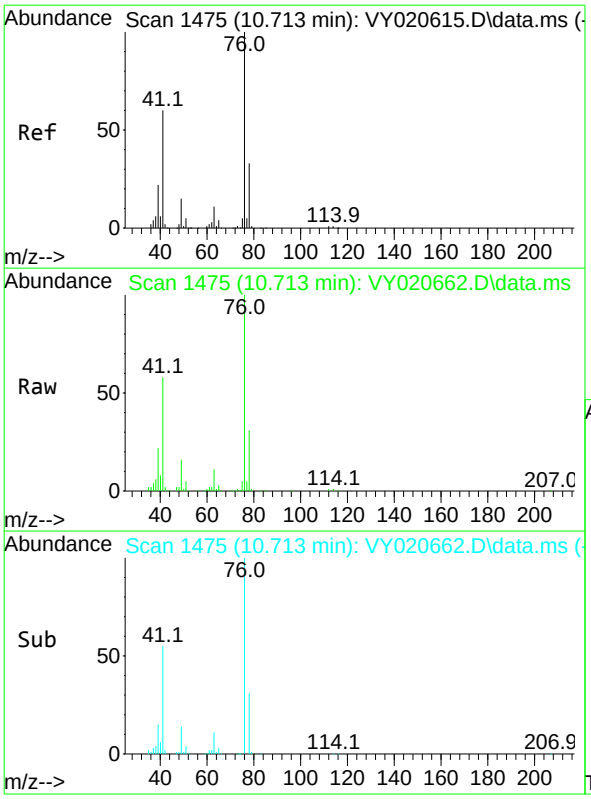


#56
Ethyl methacrylate
Concen: 18.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 69 Resp: 86453

Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.0	81.0
39	35.0	27.9	41.9

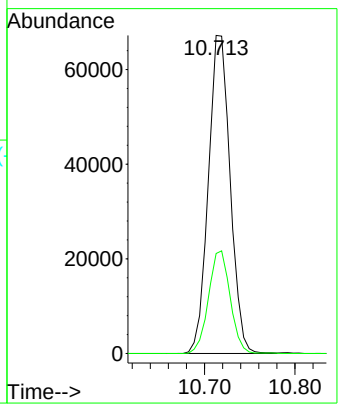




#57
1,3-Dichloropropane
Concen: 19.428 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 76 Resp: 112565

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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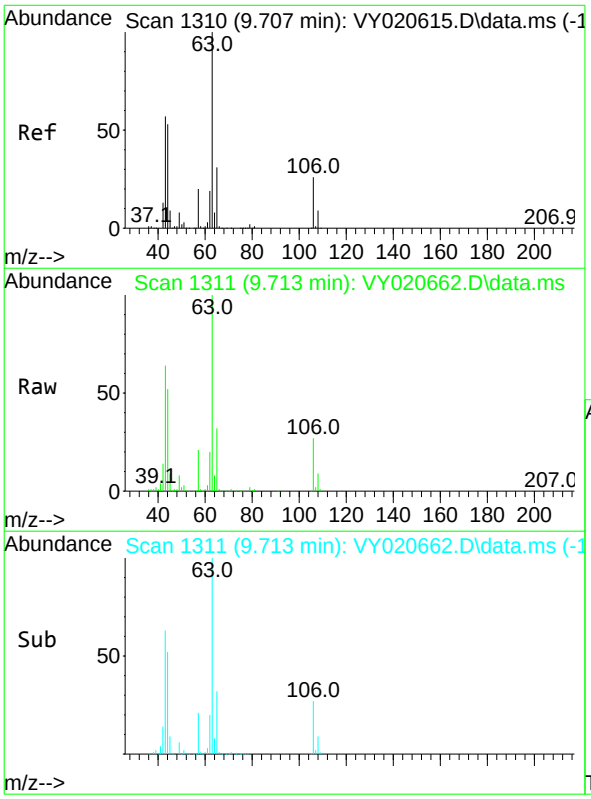
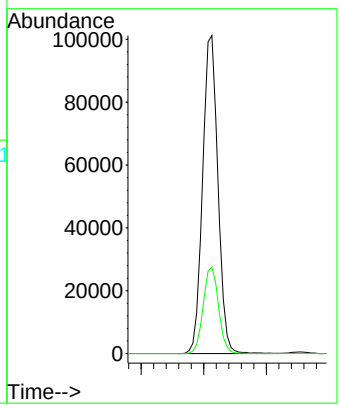
Supervised By :Semsettin Yesilyurt 12/20/2024

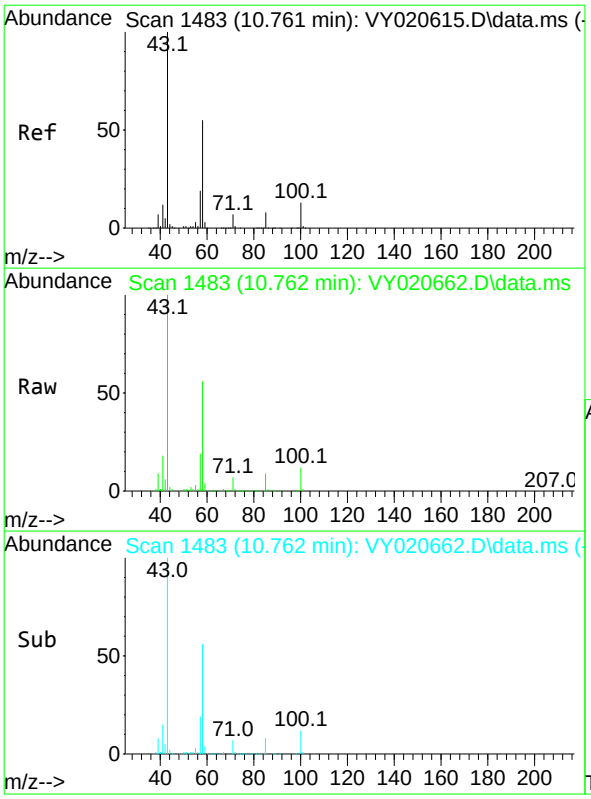


#58
2-Chloroethyl Vinyl ether
Concen: 86.648 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 63 Resp: 171913

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3





#59
2-Hexanone
Concen: 79.270 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 162442

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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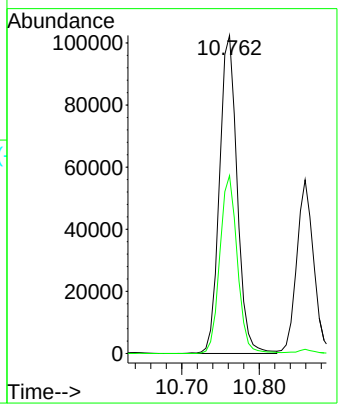
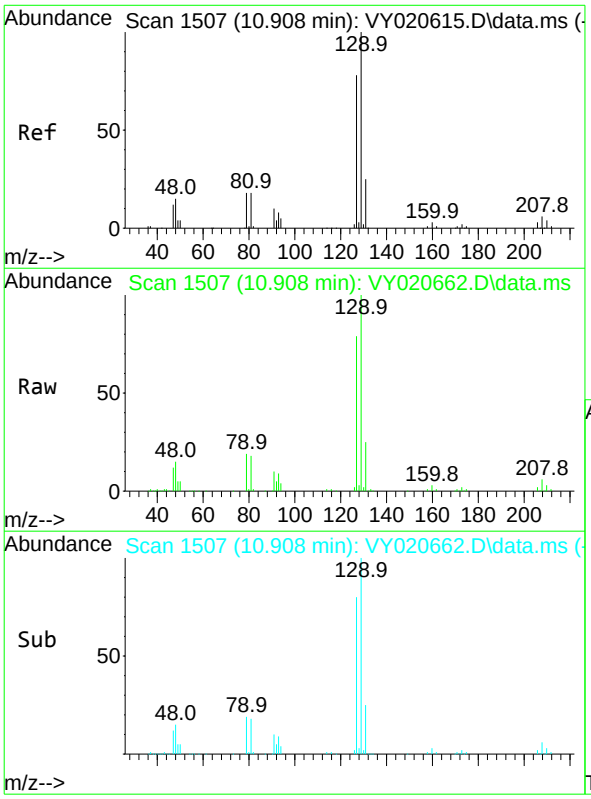
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

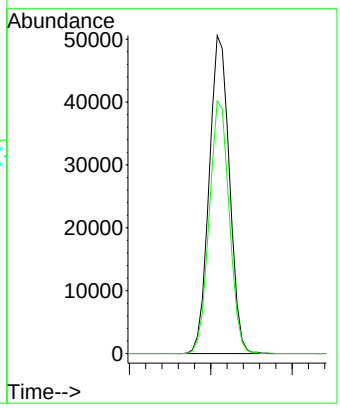


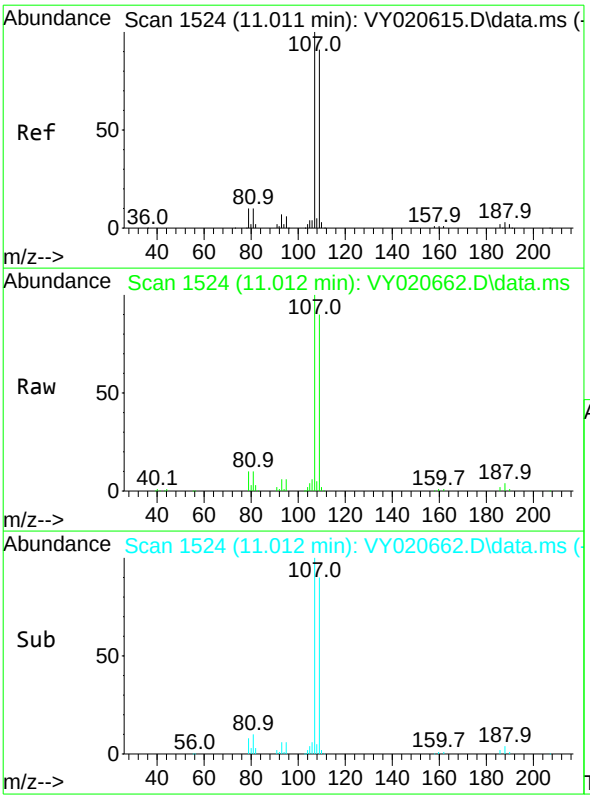


#60
Dibromochloromethane
Concen: 20.097 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:129 Resp: 87357

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.1	114.3





#61
1,2-Dibromoethane
Concen: 18.780 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:107 Resp: 56777

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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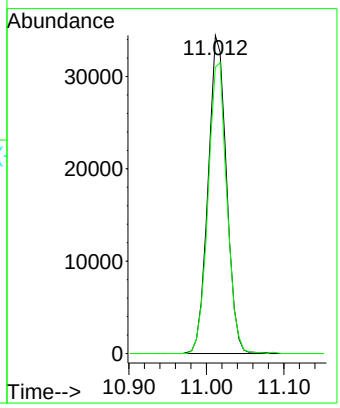
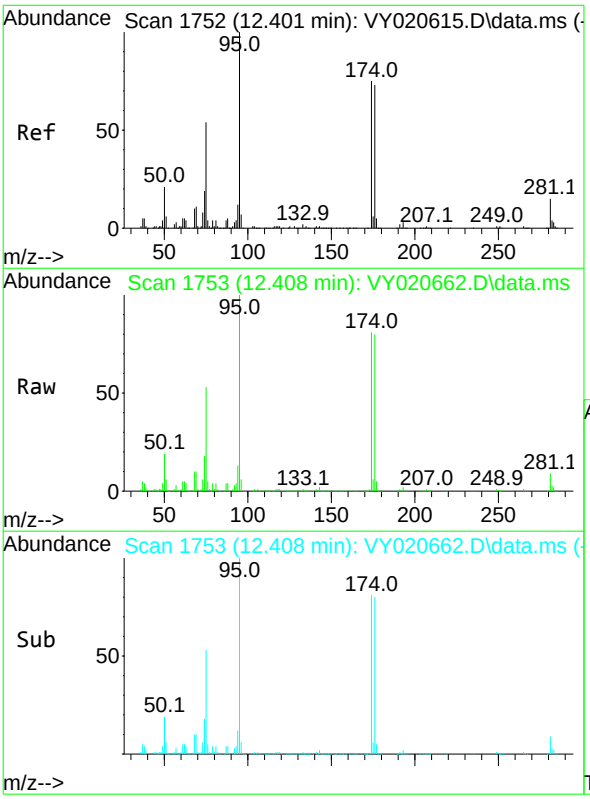
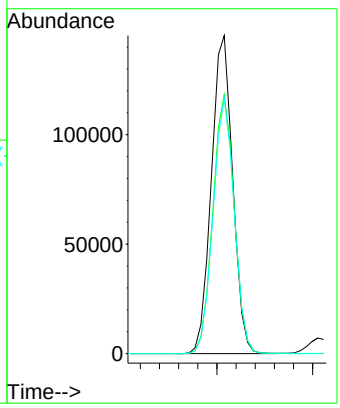


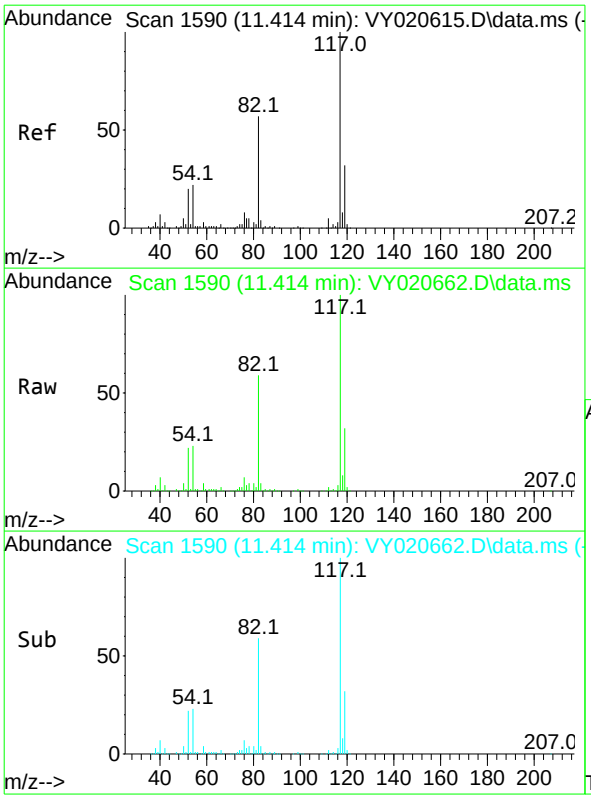


#62
4-Bromofluorobenzene
Concen: 43.986 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 95 Resp: 224262

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.8
176	79.4	0.0	156.6

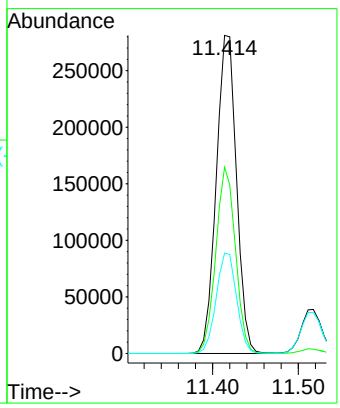




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:117 Resp: 462730

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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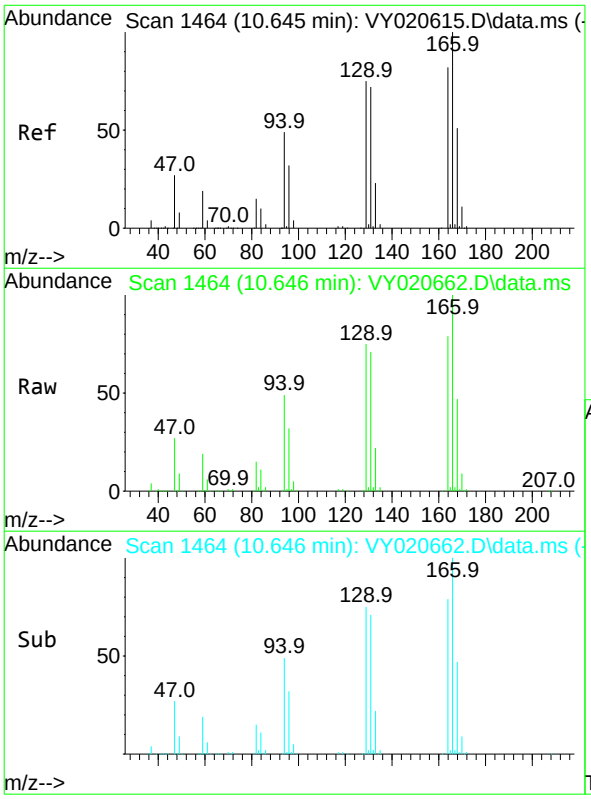
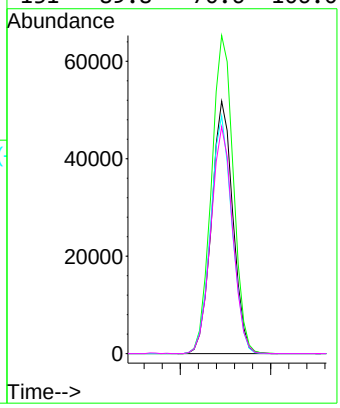
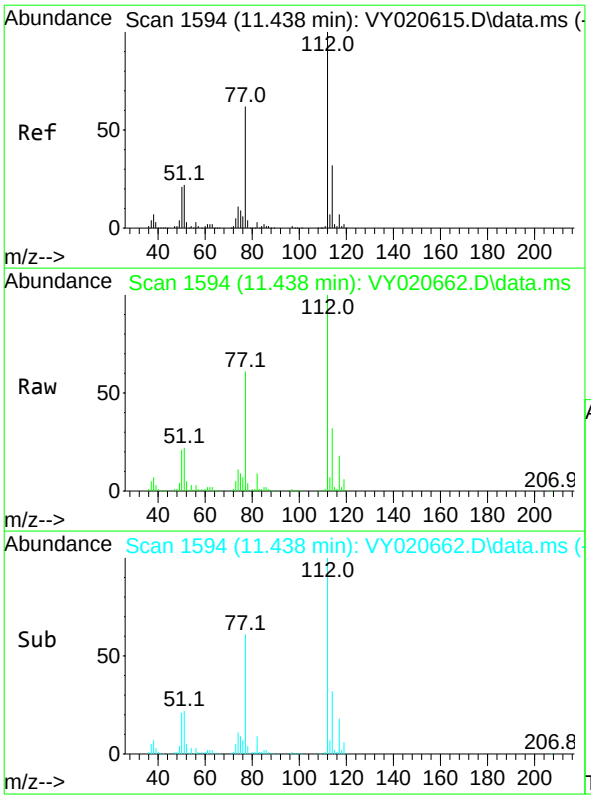


#64
Tetrachloroethene
Concen: 19.519 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:164 Resp: 84956

Ion	Ratio	Lower	Upper
164	100		
166	126.0	97.9	146.9
129	94.1	73.4	110.0
131	89.8	70.6	106.0

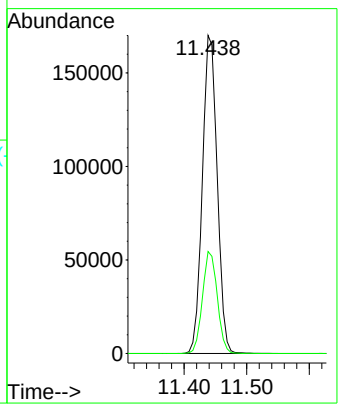




#65
Chlorobenzene
Concen: 21.570 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:112 Resp: 279078

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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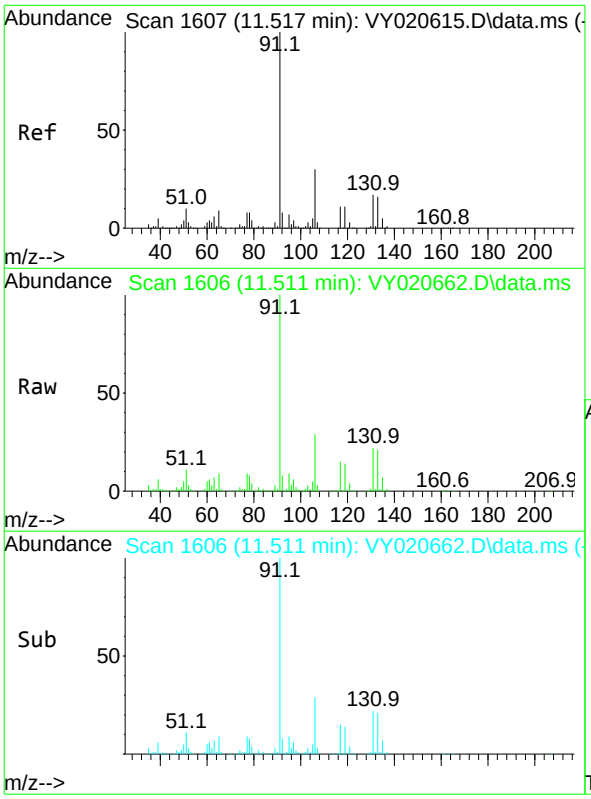
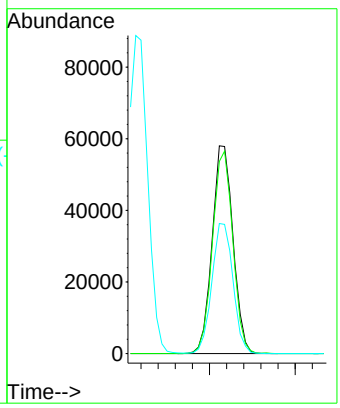
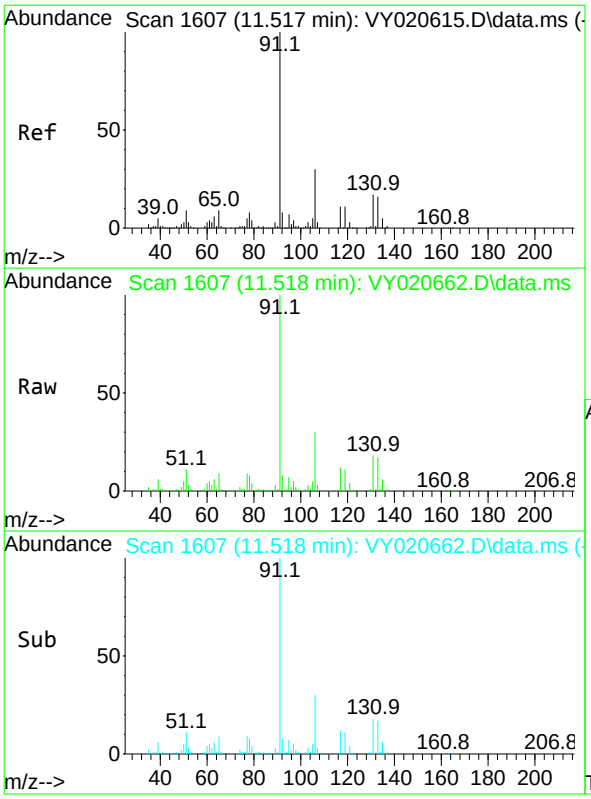


#66
1,1,1,2-Tetrachloroethane
Concen: 22.236 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:131 Resp: 98377

Ion	Ratio	Lower	Upper
131	100		
133	94.7	46.8	140.3
119	63.1	31.8	95.3

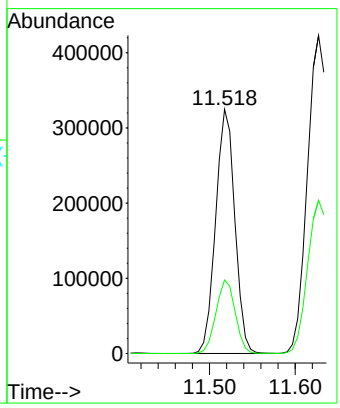




#67
Ethyl Benzene
Concen: 21.171 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 505339

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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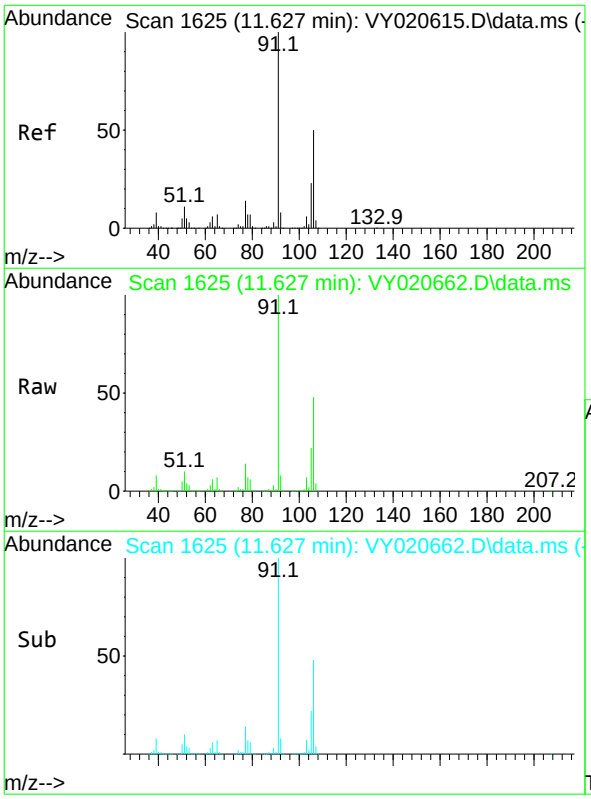
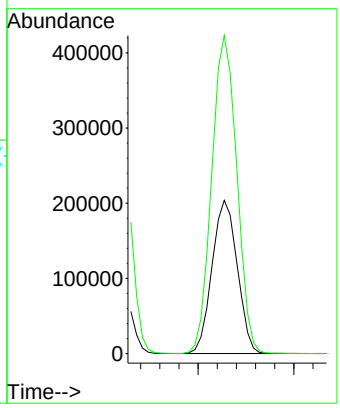
Supervised By :Semsettin Yesilyurt 12/20/2024

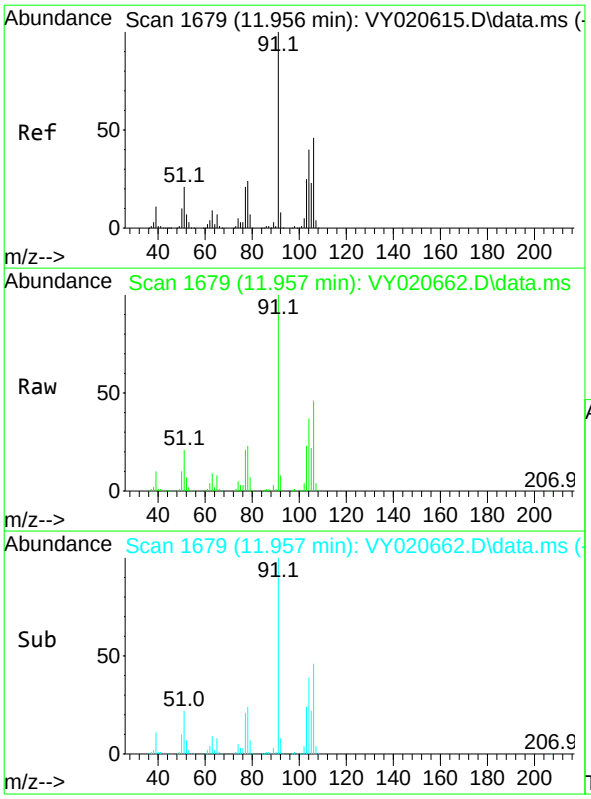


#68
m/p-Xylenes
Concen: 41.993 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:106 Resp: 372689

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4





#69
o-Xylene
Concen: 21.597 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:106 Resp: 178843

Ion	Ratio	Lower	Upper
106	100		
91	220.8	108.4	325.2

Instrument :
MSVOA_Y
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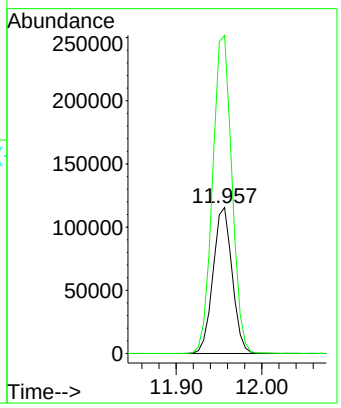
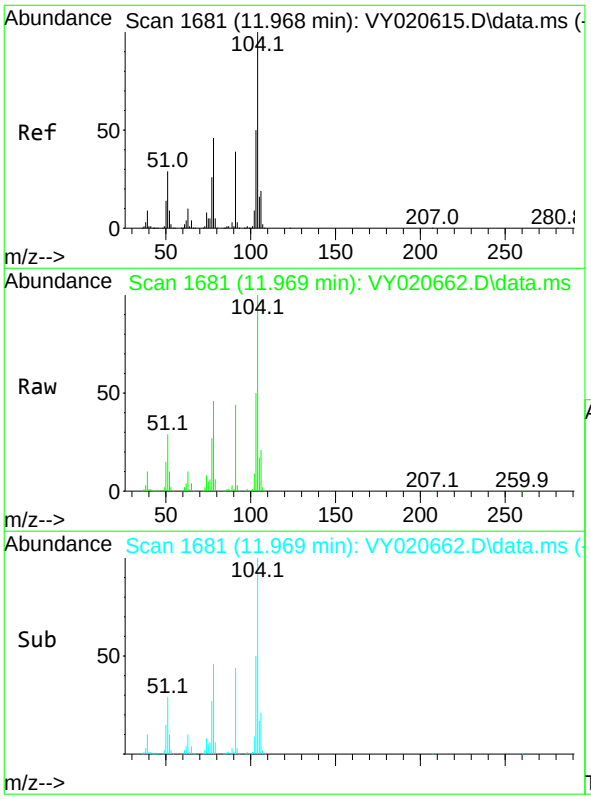
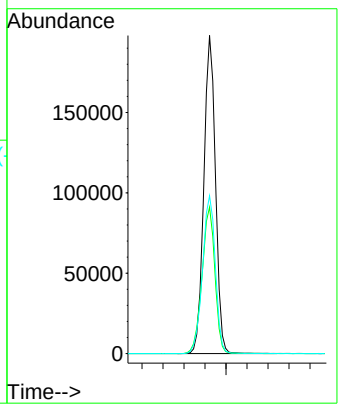


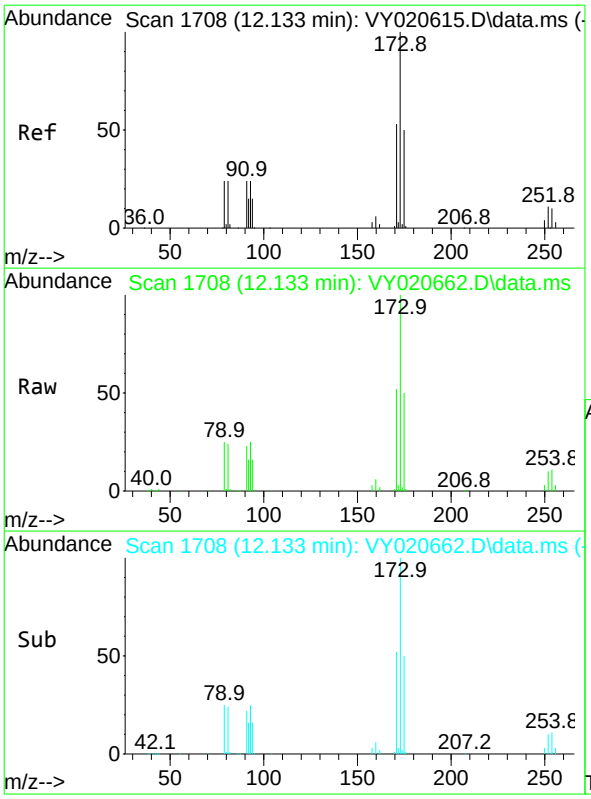


#70
Styrene
Concen: 22.040 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:104 Resp: 304930

Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.6	62.4
103	54.7	43.7	65.5

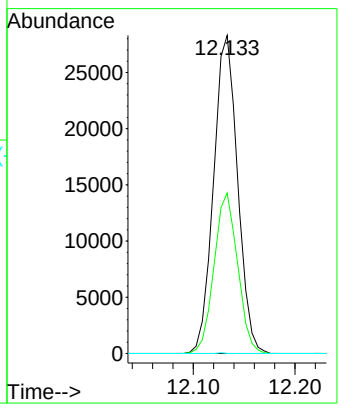




#71
Bromoform
Concen: 18.655 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:173 Resp: 46403

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.0	0.0	0.0#



Instrument :
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ClientSampleId :
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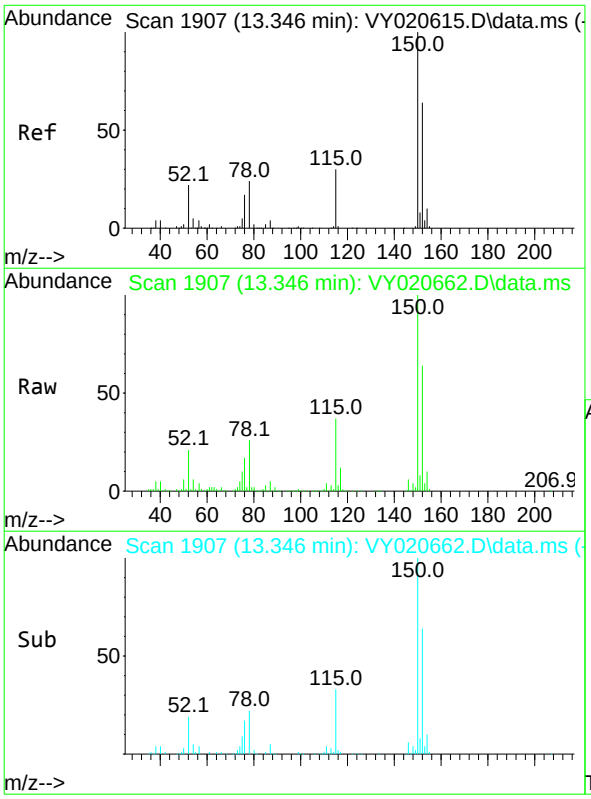
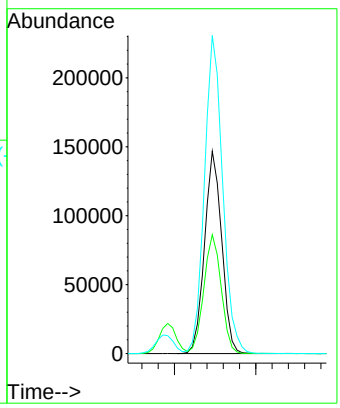
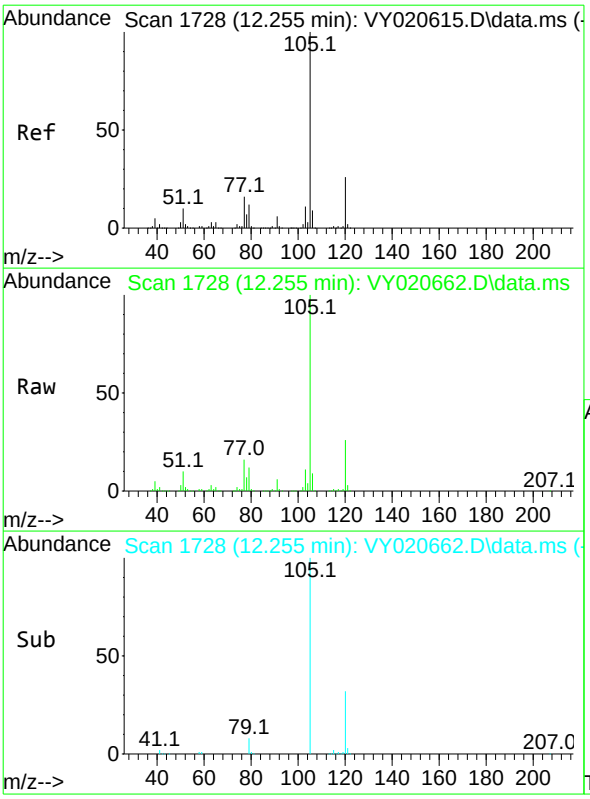


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:152 Resp: 215024

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.2	90.6
150	166.8	0.0	355.4

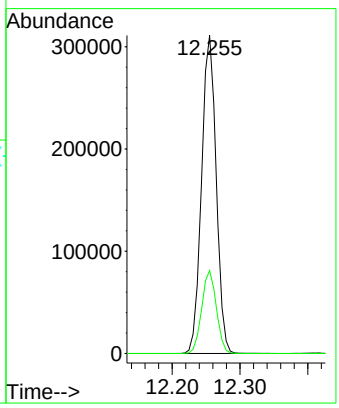




#73
Isopropylbenzene
Concen: 24.793 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 465228

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
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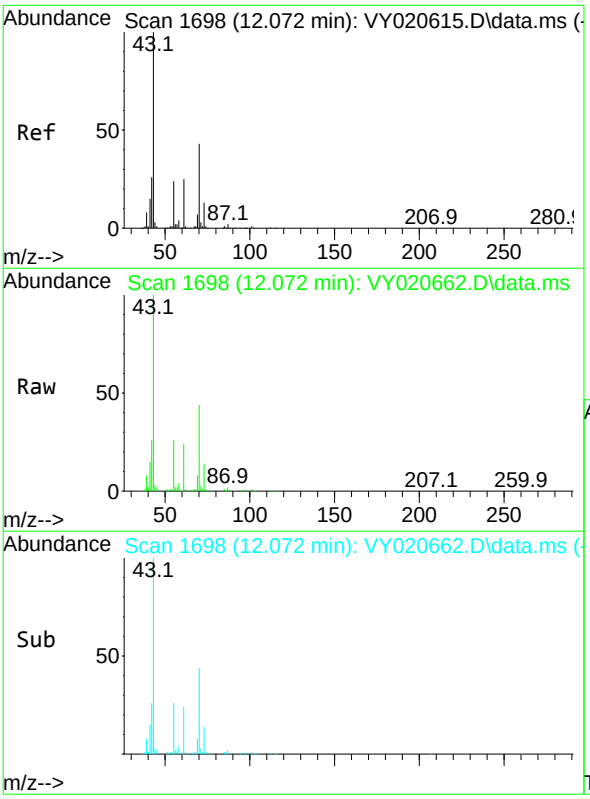
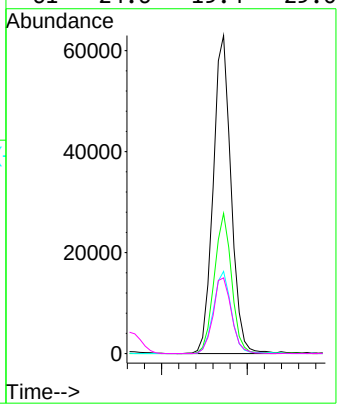
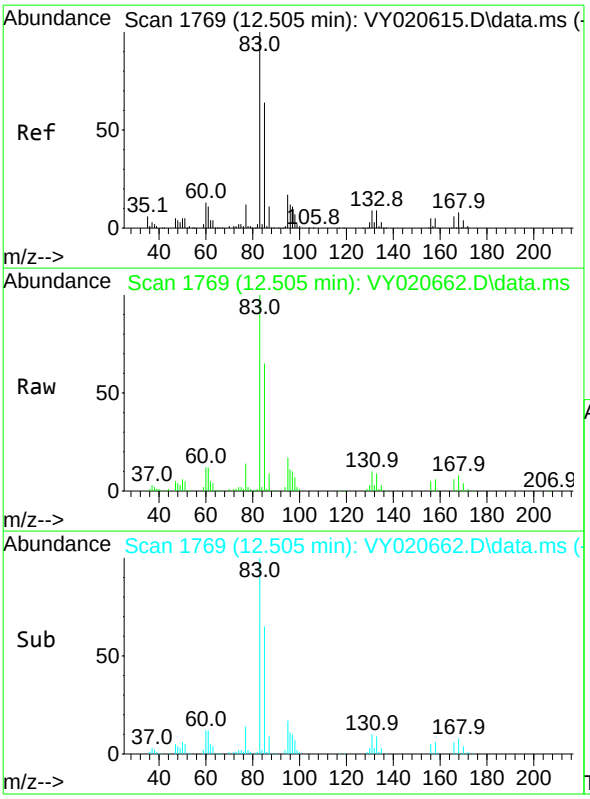


#74
N-amyl acetate
Concen: 20.789 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 91294

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.2	51.2
55	25.7	19.6	29.4
61	24.6	19.4	29.0

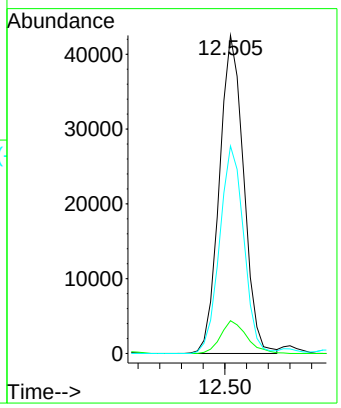




#75
1,1,2,2-Tetrachloroethane
Concen: 21.676 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 83 Resp: 66021

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	64.9	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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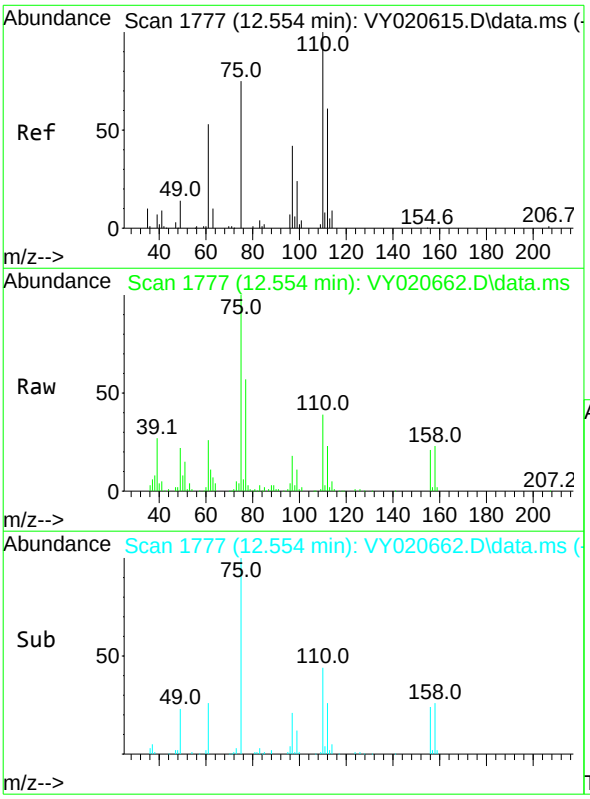
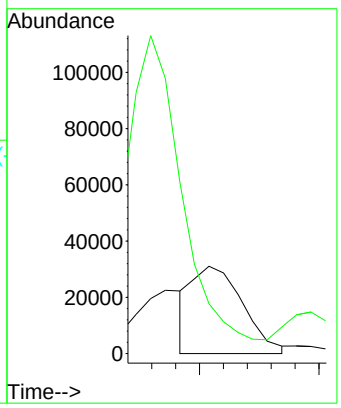
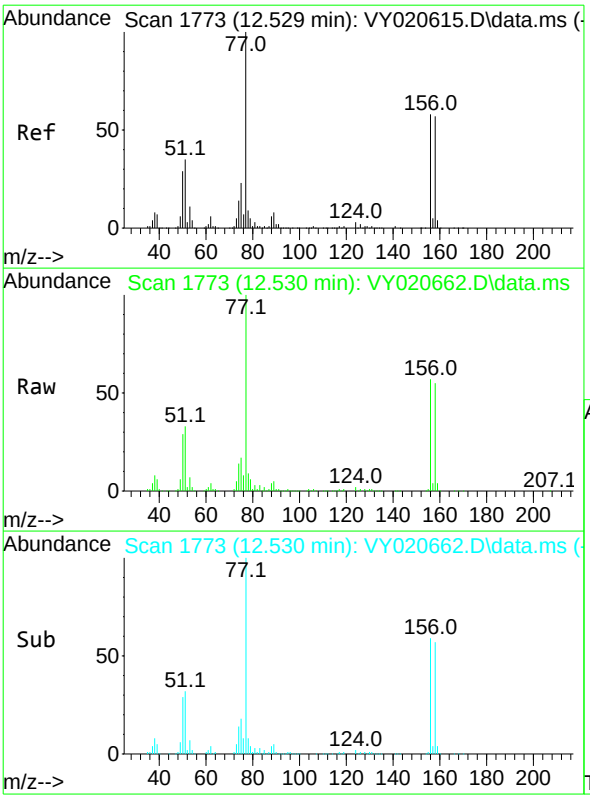


#76
1,2,3-Trichloropropane
Concen: 20.616 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 46050

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

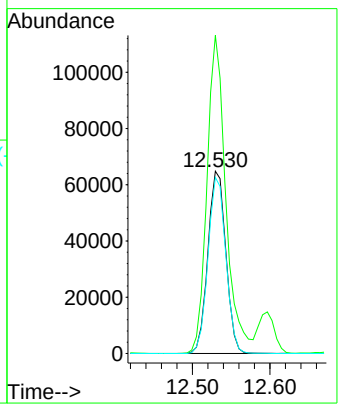




#77
Bromobenzene
Concen: 25.517 ug/l
RT: 12.530 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:156 Resp: 104296

Ion	Ratio	Lower	Upper
156	100		
77	183.5	94.2	282.4
158	96.0	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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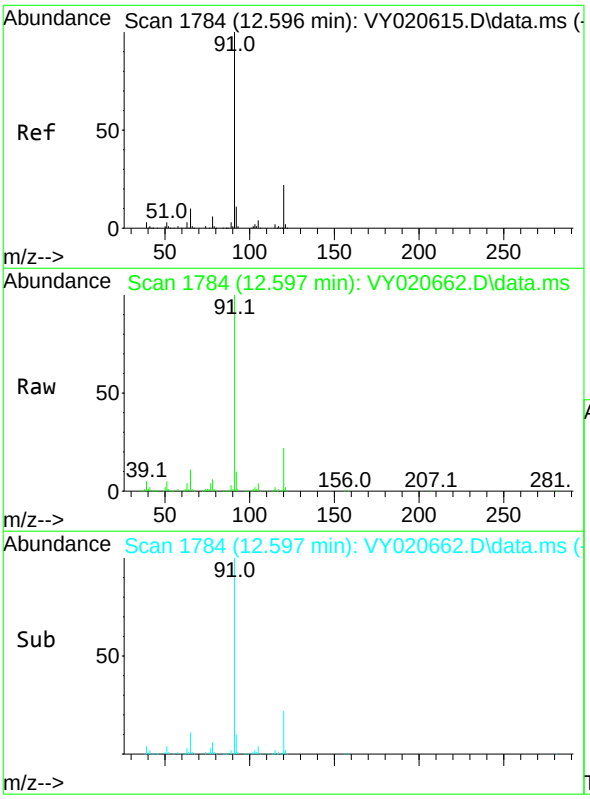
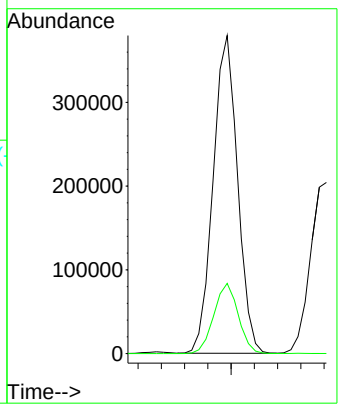
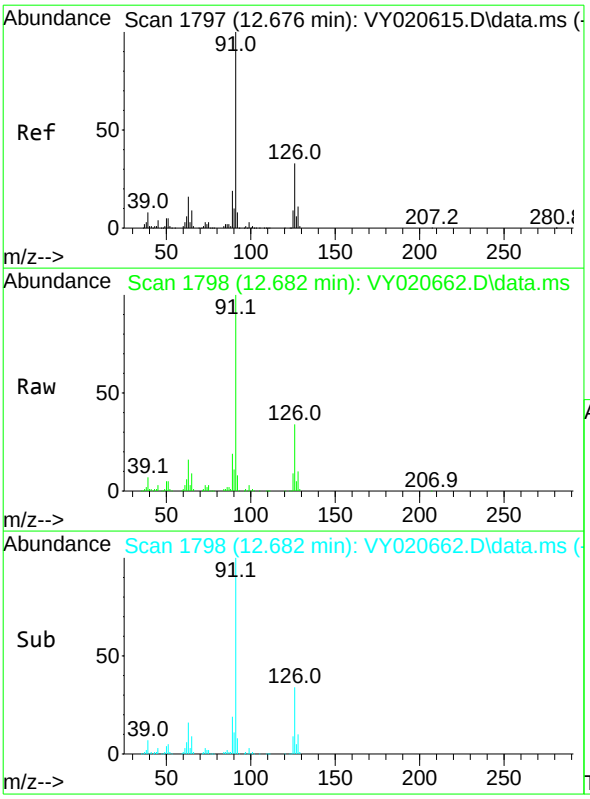


#78
n-propylbenzene
Concen: 24.484 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 553504

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

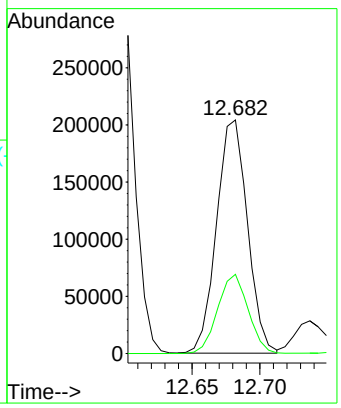




#79
2-Chlorotoluene
Concen: 25.431 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 323466

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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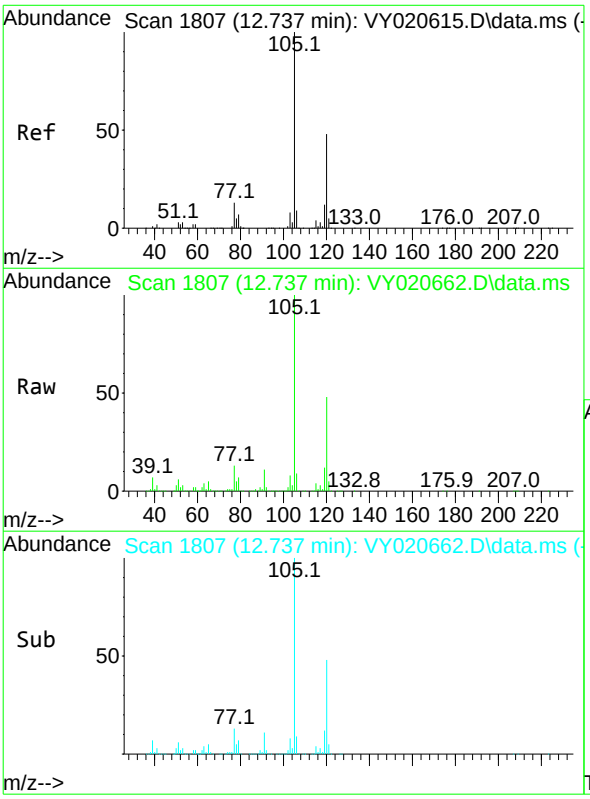
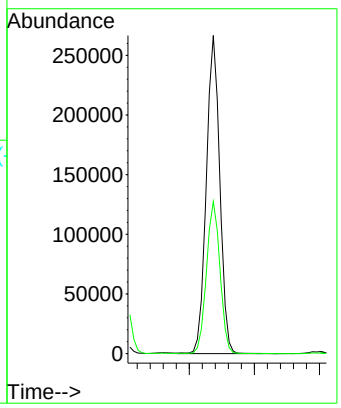
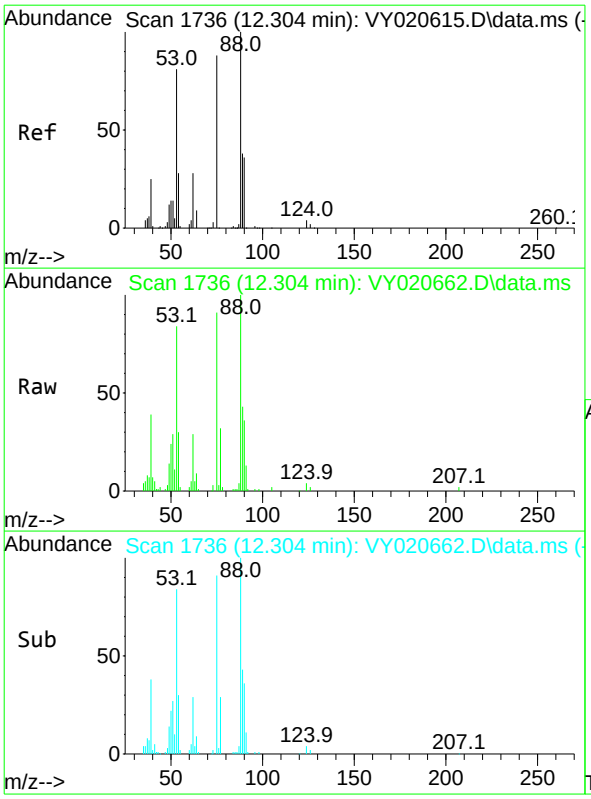


#80
1,3,5-Trimethylbenzene
Concen: 25.099 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 382148

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 16.420 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 17473

Ion	Ratio	Lower	Upper
75	100		
53	96.5	75.4	113.2
89	47.7	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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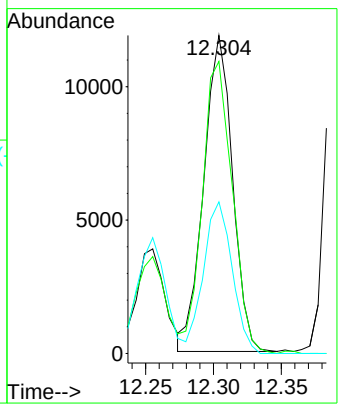
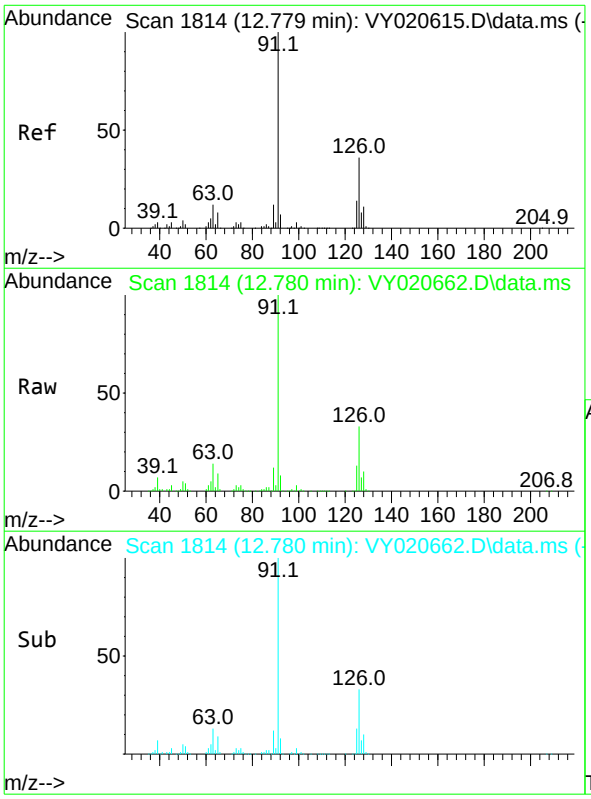
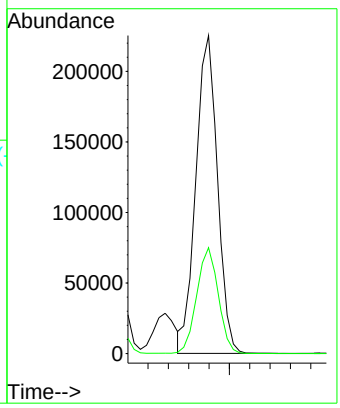


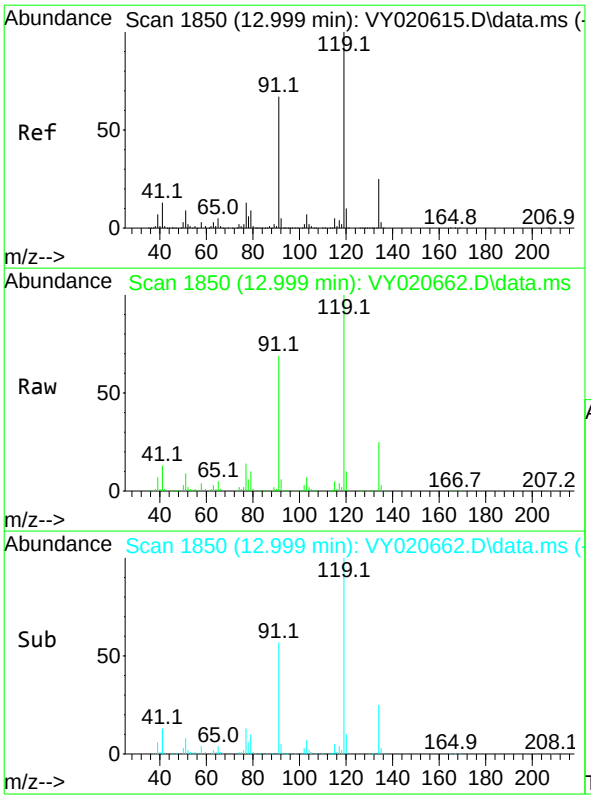


#82
4-Chlorotoluene
Concen: 25.151 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 331880

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7





#83
tert-Butylbenzene
Concen: 24.673 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 340217

Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.9	98.6
134	26.6	13.1	39.1

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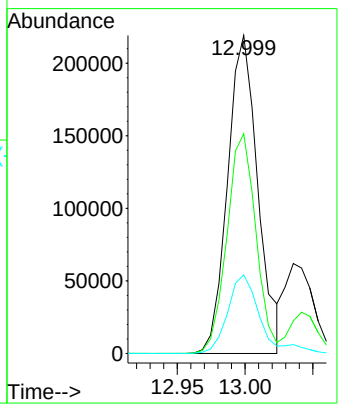
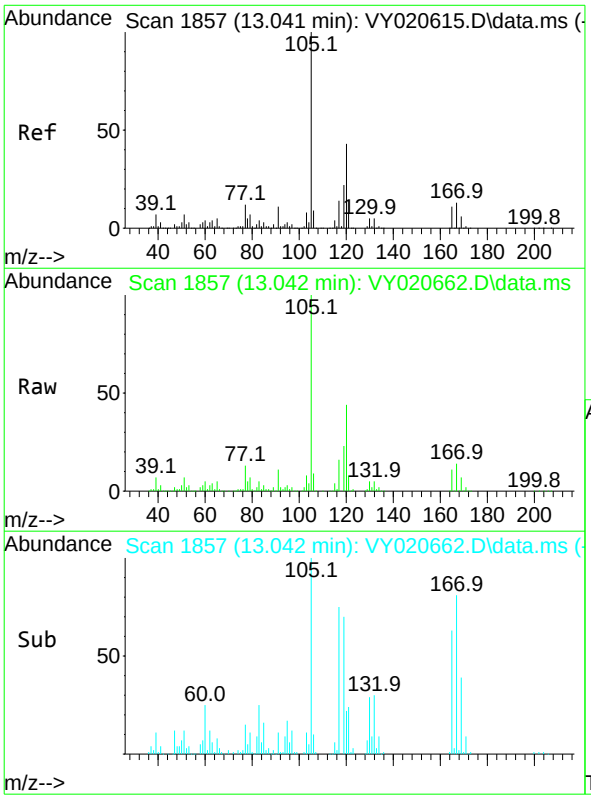
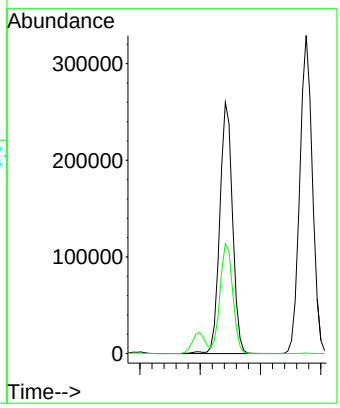


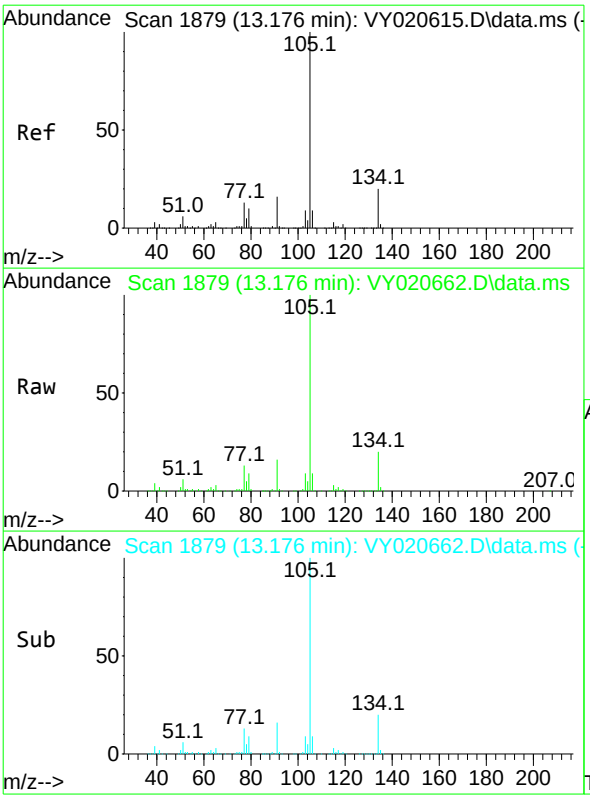


#84
1,2,4-Trimethylbenzene
Concen: 25.518 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 381099

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4

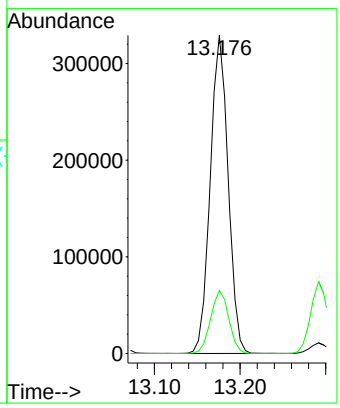




#85
sec-Butylbenzene
Concen: 23.788 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 476911

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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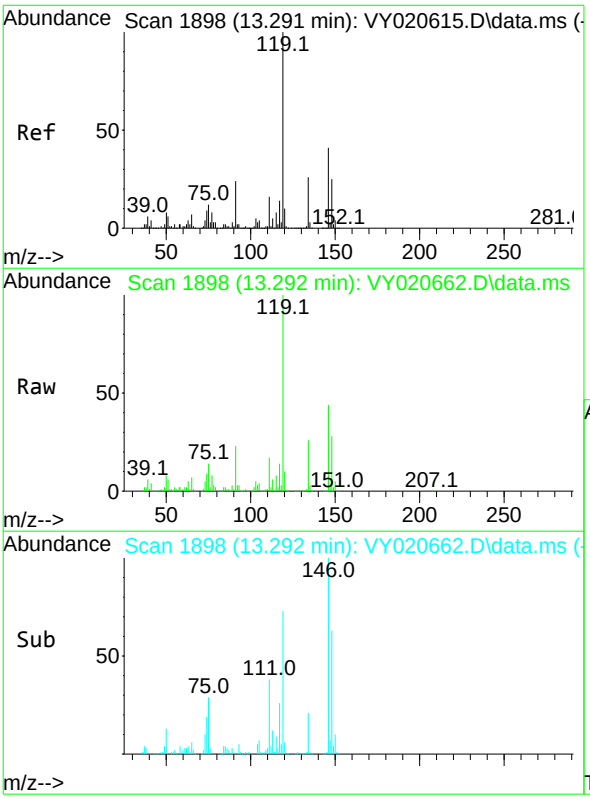
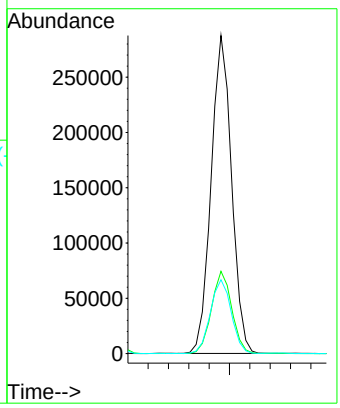
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

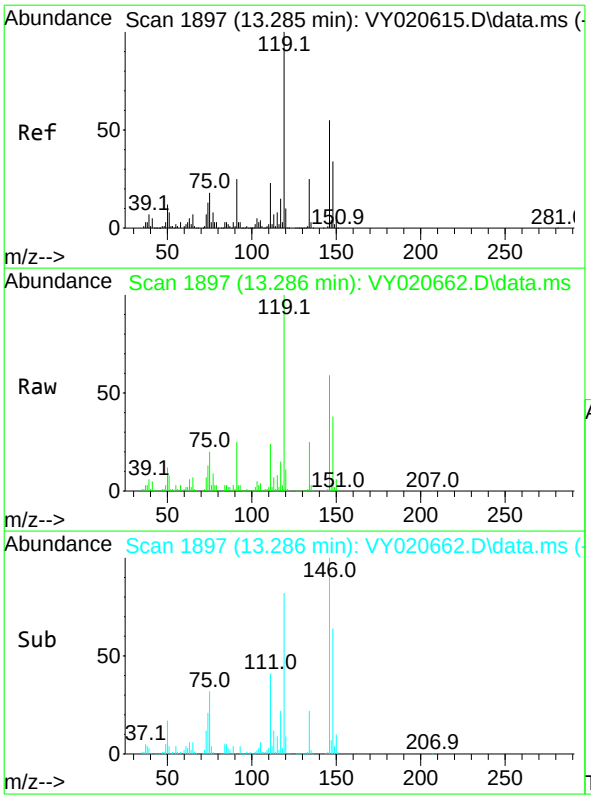


#86
p-Isopropyltoluene
Concen: 24.313 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:119 Resp: 401897

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	23.7	12.1	36.3

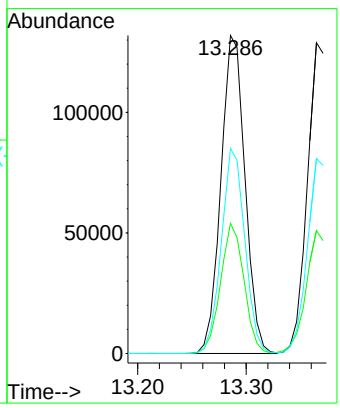




#87
1,3-Dichlorobenzene
Concen: 25.211 ug/l
RT: 13.286 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:146 Resp: 203420

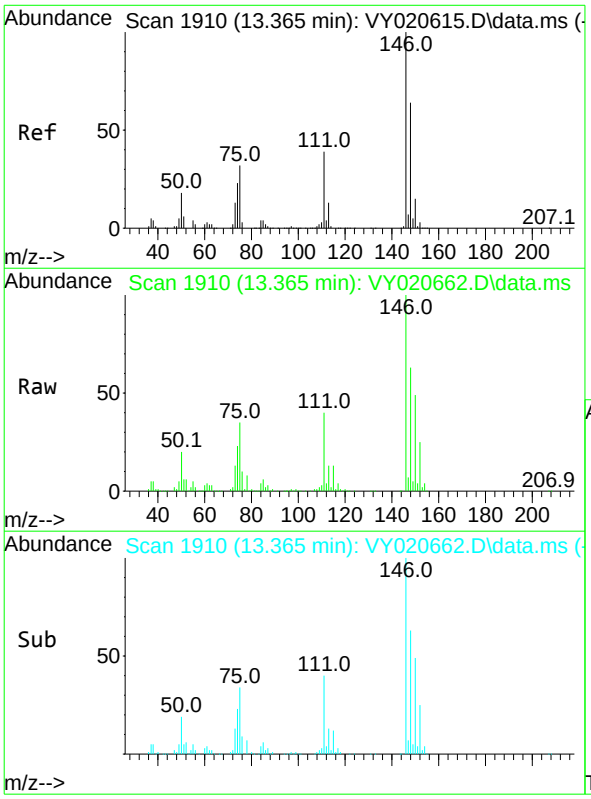
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	63.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

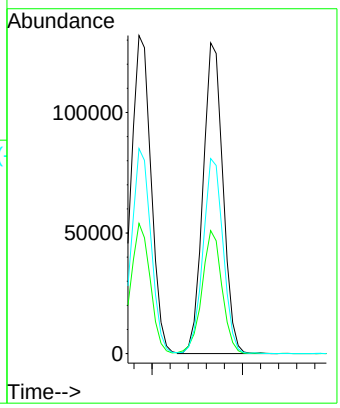
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

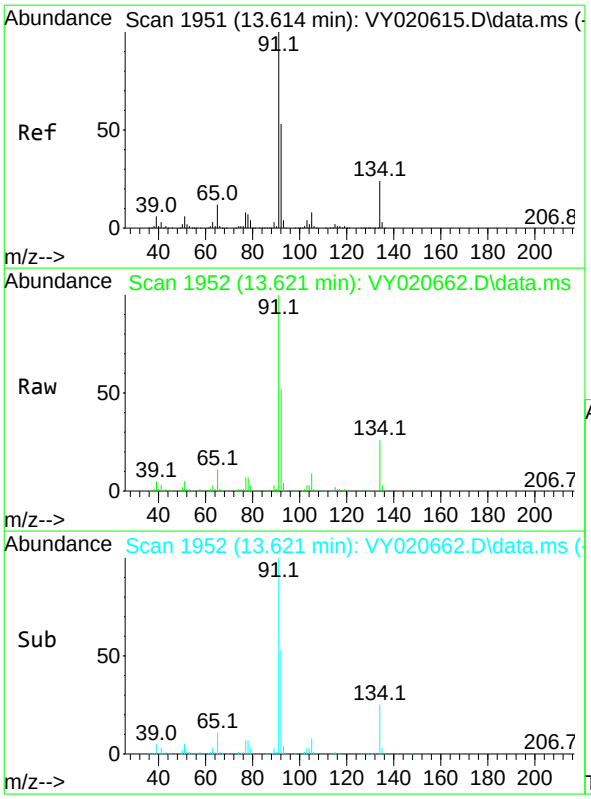


#88
1,4-Dichlorobenzene
Concen: 24.659 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:146 Resp: 197059

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	63.4	31.9	95.5





#89
n-Butylbenzene
Concen: 23.273 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

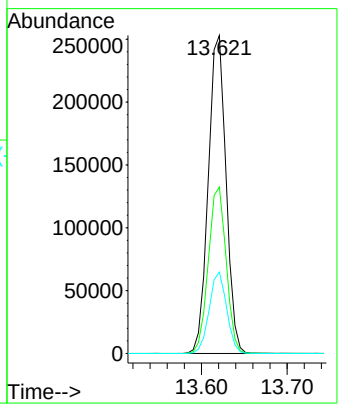
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

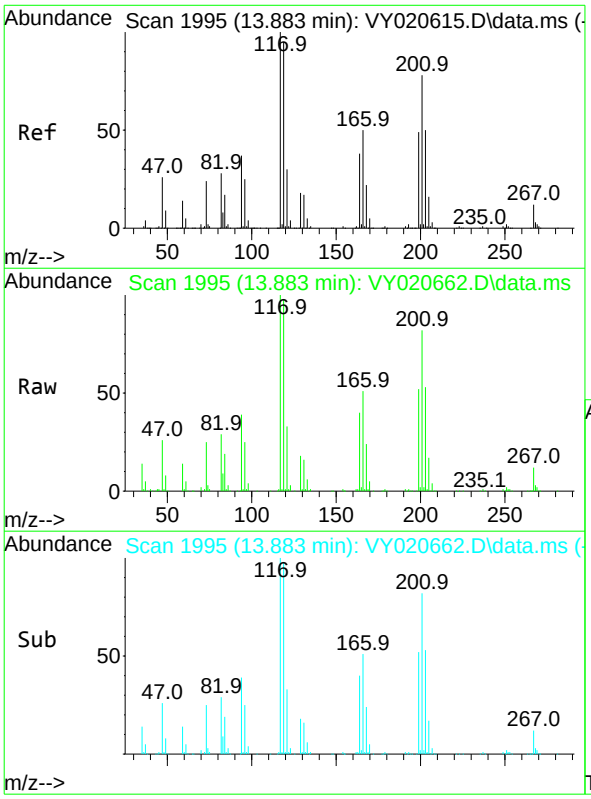
Tgt Ion: 91 Resp: 364597

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	25.1	12.5	37.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

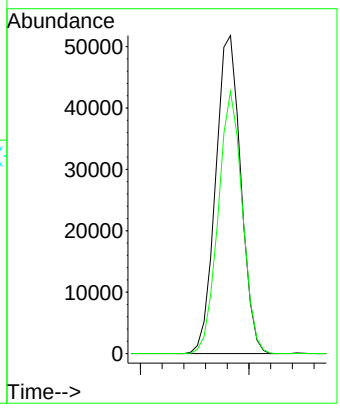


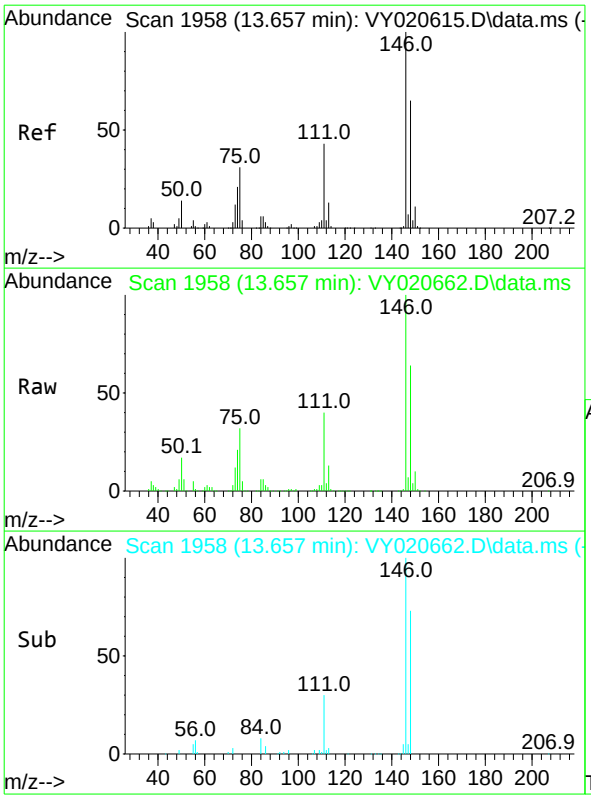


#90
Hexachloroethane
Concen: 25.445 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:117 Resp: 83352

Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.1	117.3

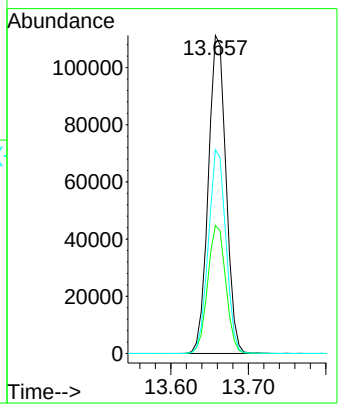




#91
1,2-Dichlorobenzene
Concen: 25.231 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:146 Resp: 176385

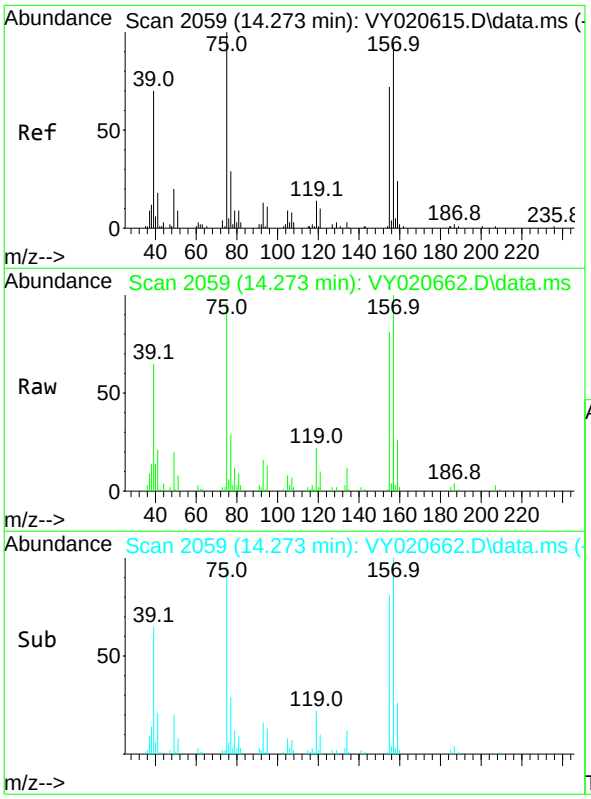
Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.7
148	63.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

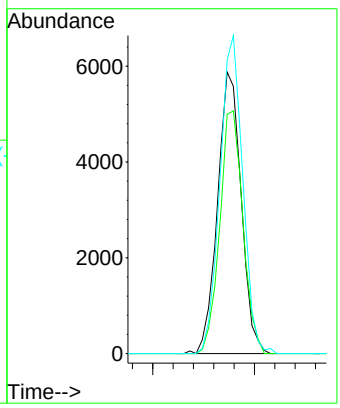
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

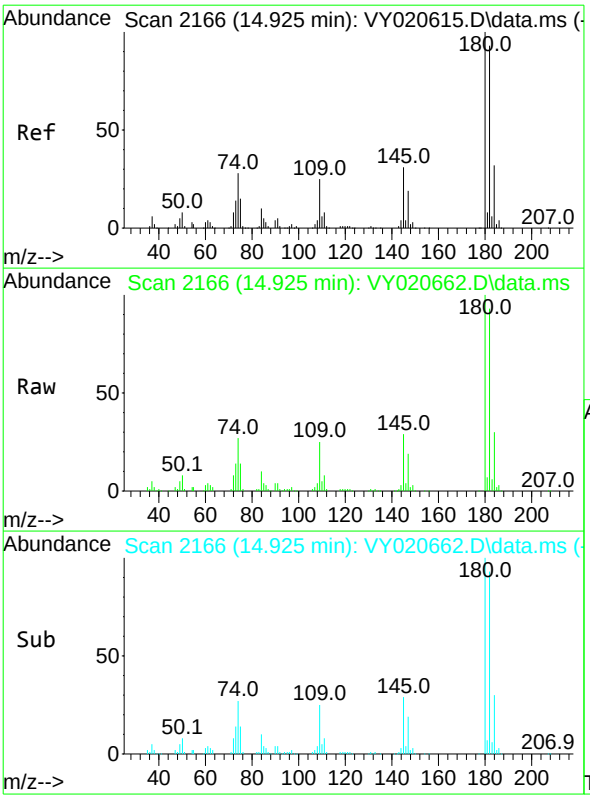


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.161 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 9475

Ion	Ratio	Lower	Upper
75	100		
155	84.5	41.1	123.3
157	108.9	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 22.816 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

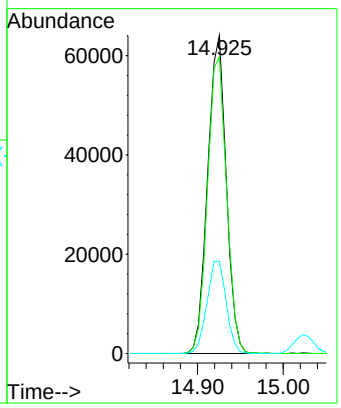
Tgt Ion:180 Resp: 96481

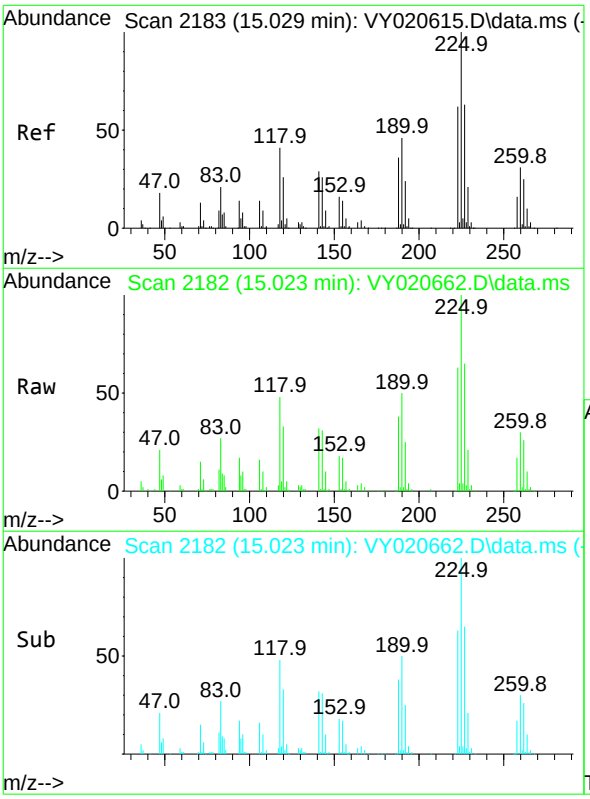
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	30.1	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

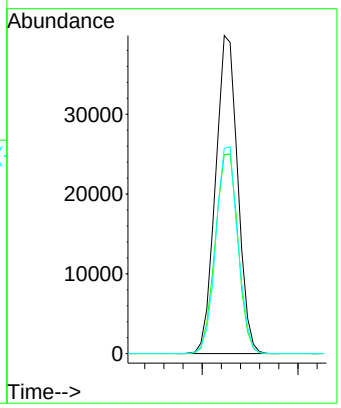


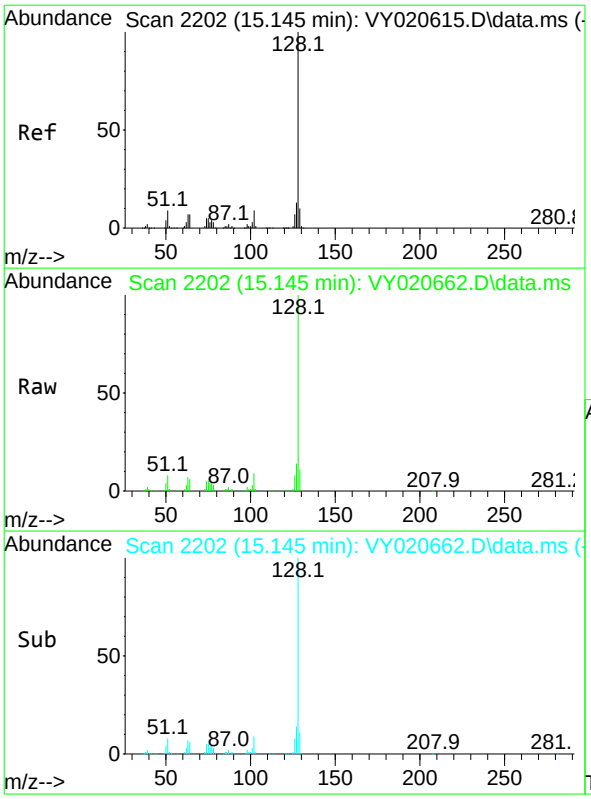


#94
Hexachlorobutadiene
Concen: 23.197 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:225 Resp: 64124

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.8	95.3
227	64.5	32.2	96.6

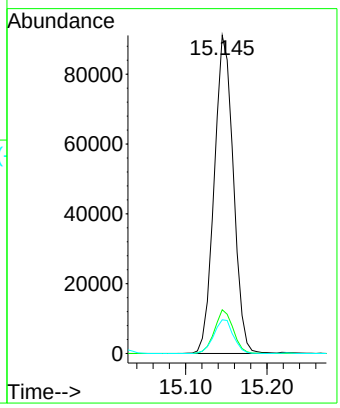




#95
Naphthalene
Concen: 20.504 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:128 Resp: 148643

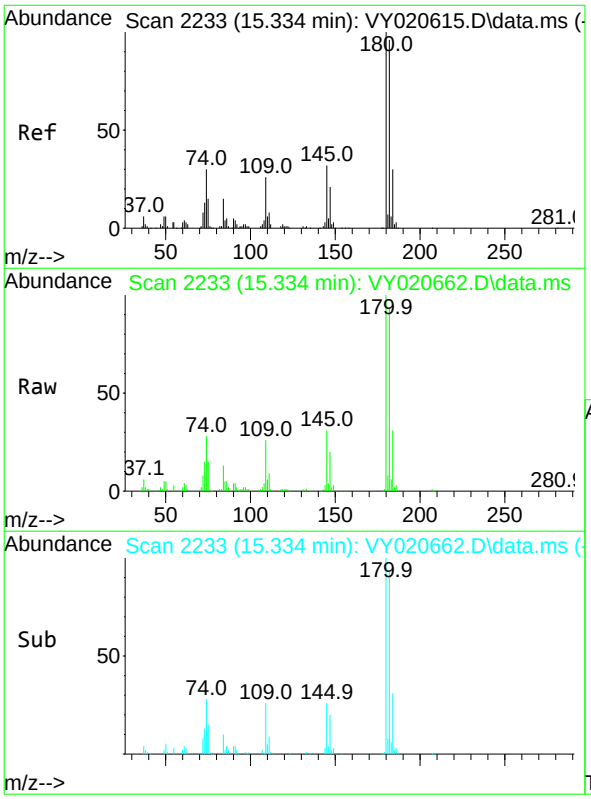
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

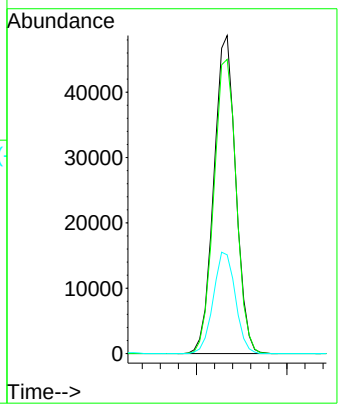
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024



#96
1,2,3-Trichlorobenzene
Concen: 22.922 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:180 Resp: 81895

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	32.1	16.0	48.0



Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	182#	0.00
2	T	Dichlorodifluoromethane	0.625	0.244	61.0#	72	0.00
3	P	Chloromethane	0.463	0.187	59.6#	80	0.00
4	C	Vinyl Chloride	0.431	0.173	59.9#	85	0.00
5	T	Bromomethane	0.277	0.116	58.1#	92	0.00
6	T	Chloroethane	0.266	0.106	60.2#	91	0.00
7	T	Trichlorofluoromethane	0.901	0.344	61.8#	79	0.00
8	T	Diethyl Ether	0.316	0.131	58.5#	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.267	58.7#	81	0.00
10	T	Methyl Iodide	0.719	0.359	50.1#	95	0.00
11	T	Tert butyl alcohol	0.071	0.016	77.5#	56	0.00
12	CM	1,1-Dichloroethene	0.627	0.274	56.3#	85	0.00
13	T	Acrolein	0.026	0.006	76.9#	61	0.00
14	T	Allyl chloride	1.098	0.492	55.2#	87	0.00
15	T	Acrylonitrile	0.151	0.053	64.9#	62	0.00
16	T	Acetone	0.125	0.038	69.6#	71	0.00
17	T	Carbon Disulfide	2.040	0.907	55.5#	85	0.00
18	T	Methyl Acetate	0.373	0.144	61.4#	75	0.00
19	T	Methyl tert-butyl Ether	1.618	0.698	56.9#	76	0.00
20	T	Methylene Chloride	0.681	0.316	53.6#	93	0.00
21	T	trans-1,2-Dichloroethene	0.703	0.321	54.3#	82	0.00
22	T	Diisopropyl ether	2.229	1.087	51.2#	87	0.00
23	T	Vinyl Acetate	1.263	0.507	59.9#	70	0.00
24	P	1,1-Dichloroethane	1.306	0.628	51.9#	86	0.00
25	T	2-Butanone	0.204	0.067	67.2#	62	0.00
26	T	2,2-Dichloropropane	1.235	0.342	72.3#	53	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.382	52.8#	85	0.00
28	T	Bromochloromethane	0.441	0.219	50.3#	81	0.00
29	T	Tetrahydrofuran	0.128	0.045	64.8#	62	0.00
30	C	Chloroform	1.528	0.636	58.4#	84	0.00
31	T	Cyclohexane	1.249	0.490	60.8#	75	0.00
32	T	1,1,1-Trichloroethane	1.200	0.541	54.9#	82	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.536	2.2	172#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	201#	0.00
35	S	Dibromofluoromethane	0.352	0.343	2.6	191#	0.00
36	T	1,1-Dichloropropene	0.643	0.247	61.6#	78	0.00
37	T	Ethyl Acetate	0.302	0.093	69.2#	63	0.00
38	T	Carbon Tetrachloride	0.711	0.279	60.8#	80	0.00
39	T	Methylcyclohexane	0.837	0.294	64.9#	71	0.00
40	TM	Benzene	1.883	0.812	56.9#	88	0.00
41	T	Methacrylonitrile	0.160	0.046	71.3#	60	0.00
42	TM	1,2-Dichloroethane	0.500	0.198	60.4#	79	0.00
43	T	Isopropyl Acetate	0.572	0.197	65.6#	68	0.00
44	TM	Trichloroethene	0.463	0.189	59.2#	83	0.00
45	C	1,2-Dichloropropane	0.440	0.190	56.8#	88	0.00
46	T	Dibromomethane	0.233	0.090	61.4#	78	0.00
47	T	Bromodichloromethane	0.628	0.269	57.2#	85	0.00
48	T	Methyl methacrylate	0.272	0.088	67.6#	64	0.00

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	0.001	66.7#	64	0.00
50	S	Toluene-d8	1.233	1.276	-3.5	201#	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.096	68.2#	64	0.00
52	CM	Toluene	1.170	0.495	57.7#	85	0.00
53	T	t-1,3-Dichloropropene	0.586	0.209	64.3#	70	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.267	61.5#	76	0.00
55	T	1,1,2-Trichloroethane	0.308	0.118	61.7#	78	0.00
56	T	Ethyl methacrylate	0.446	0.164	63.2#	71	0.00
57	T	1,3-Dichloropropane	0.548	0.213	61.1#	77	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.065	65.4#	76	0.00
59	T	2-Hexanone	0.194	0.061	68.6#	62	0.00
60	T	Dibromochloromethane	0.411	0.165	59.9#	79	0.00
61	T	1,2-Dibromoethane	0.286	0.107	62.6#	75	0.00
62	S	4-Bromofluorobenzene	0.482	0.424	12.0	178#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	197#	0.00
64	T	Tetrachloroethene	0.470	0.184	60.9#	80	0.00
65	PM	Chlorobenzene	1.398	0.603	56.9#	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.213	55.4#	89	0.00
67	C	Ethyl Benzene	2.579	1.092	57.7#	84	0.00
68	T	m/p-Xylenes	0.959	0.403	58.0#	83	0.00
69	T	o-Xylene	0.895	0.386	56.9#	85	0.00
70	T	Styrene	1.495	0.659	55.9#	87	0.00
71	P	Bromoform	0.269	0.100	62.8#	73	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	165#	0.00
73	T	Isopropylbenzene	4.363	2.164	50.4#	82	0.00
74	T	N-amyl acetate	1.021	0.425	58.4#	66	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.307	56.6#	71	0.00
76	T	1,2,3-Trichloropropane	0.519	0.214	58.8#	68	0.00
77	T	Bromobenzene	0.950	0.485	48.9#	85	0.00
78	T	n-propylbenzene	5.257	2.574	51.0#	81	0.00
79	T	2-Chlorotoluene	2.958	1.504	49.2#	85	0.00
80	T	1,3,5-Trimethylbenzene	3.540	1.777	49.8#	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.081	67.2#	52	0.00
82	T	4-Chlorotoluene	3.068	1.543	49.7#	83	0.00
83	T	tert-Butylbenzene	3.206	1.582	50.7#	81	0.00
84	T	1,2,4-Trimethylbenzene	3.473	1.772	49.0#	83	0.00
85	T	sec-Butylbenzene	4.662	2.218	52.4#	78	0.00
86	T	p-Isopropyltoluene	3.844	1.869	51.4#	79	0.00
87	T	1,3-Dichlorobenzene	1.876	0.946	49.6#	84	0.00
88	T	1,4-Dichlorobenzene	1.858	0.916	50.7#	83	0.00
89	T	n-Butylbenzene	3.643	1.696	53.4#	75	0.00
90	T	Hexachloroethane	0.762	0.388	49.1#	84	0.00
91	T	1,2-Dichlorobenzene	1.626	0.820	49.6#	84	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.044	61.7#	64	0.00
93	T	1,2,4-Trichlorobenzene	0.983	0.449	54.3#	73	0.00
94	T	Hexachlorobutadiene	0.643	0.298	53.7#	75	0.00
95	T	Naphthalene	1.686	0.691	59.0#	65	0.00

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	0.381	54.2#	73	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	182	0.00
2	T	Dichlorodifluoromethane	50.000	19.537	60.9#	72	0.00
3	P	Chloromethane	50.000	20.223	59.6#	80	0.00
4	C	Vinyl Chloride	50.000	20.104	59.8#	85	0.00
5	T	Bromomethane	50.000	20.866	58.3#	92	0.00
6	T	Chloroethane	50.000	19.932	60.1#	91	0.00
7	T	Trichlorofluoromethane	50.000	19.091	61.8#	79	0.00
8	T	Diethyl Ether	50.000	20.764	58.5#	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	20.664	58.7#	81	0.00
10	T	Methyl Iodide	50.000	24.986	50.0#	95	0.00
11	T	Tert butyl alcohol	250.000	41.062	83.6#	56	0.00
12	CM	1,1-Dichloroethene	50.000	21.885	56.2#	85	0.00
13	T	Acrolein	250.000	55.648	77.7#	61	0.00
14	T	Allyl chloride	50.000	22.407	55.2#	87	0.00
15	T	Acrylonitrile	250.000	87.534	65.0#	62	0.00
16	T	Acetone	250.000	83.445	66.6#	71	0.00
17	T	Carbon Disulfide	50.000	22.232	55.5#	85	0.00
18	T	Methyl Acetate	50.000	19.310	61.4#	75	0.00
19	T	Methyl tert-butyl Ether	50.000	21.584	56.8#	76	0.00
20	T	Methylene Chloride	50.000	23.204	53.6#	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	22.803	54.4#	82	0.00
22	T	Diisopropyl ether	50.000	24.389	51.2#	87	0.00
23	T	Vinyl Acetate	250.000	100.483	59.8#	70	0.00
24	P	1,1-Dichloroethane	50.000	24.037	51.9#	86	0.00
25	T	2-Butanone	250.000	82.027	67.2#	62	0.00
26	T	2,2-Dichloropropane	50.000	13.836	72.3#	53	0.00
27	T	cis-1,2-Dichloroethene	50.000	23.640	52.7#	85	0.00
28	T	Bromochloromethane	50.000	24.867	50.3#	81	0.00
29	T	Tetrahydrofuran	250.000	87.132	65.1#	62	0.00
30	C	Chloroform	50.000	21.191	57.6#	84	0.00
31	T	Cyclohexane	50.000	19.618	60.8#	75	0.00
32	T	1,1,1-Trichloroethane	50.000	22.530	54.9#	82	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.981	2.0	172	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	201	0.00
35	S	Dibromofluoromethane	50.000	48.666	2.7	191	0.00
36	T	1,1-Dichloropropene	50.000	19.208	61.6#	78	0.00
37	T	Ethyl Acetate	50.000	15.417	69.2#	63	0.00
38	T	Carbon Tetrachloride	50.000	19.640	60.7#	80	0.00
39	T	Methylcyclohexane	50.000	17.524	65.0#	71	0.00
40	TM	Benzene	50.000	21.564	56.9#	88	0.00
41	T	Methacrylonitrile	50.000	14.338	71.3#	60	0.00
42	TM	1,2-Dichloroethane	50.000	19.798	60.4#	79	0.00
43	T	Isopropyl Acetate	50.000	17.203	65.6#	68	0.00
44	TM	Trichloroethene	50.000	20.381	59.2#	83	0.00
45	C	1,2-Dichloropropane	50.000	21.636	56.7#	88	0.00
46	T	Dibromomethane	50.000	19.282	61.4#	78	0.00
47	T	Bromodichloromethane	50.000	21.405	57.2#	85	0.00
48	T	Methyl methacrylate	50.000	16.260	67.5#	64	0.00

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	318.450	68.2#	64	0.00
50	S	Toluene-d8	50.000	51.718	-3.4	201	0.00
51	T	4-Methyl-2-Pentanone	250.000	79.170	68.3#	64	0.00
52	CM	Toluene	50.000	21.138	57.7#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	17.875	64.3#	70	0.00
54	T	cis-1,3-Dichloropropene	50.000	19.252	61.5#	76	0.00
55	T	1,1,2-Trichloroethane	50.000	19.236	61.5#	78	0.00
56	T	Ethyl methacrylate	50.000	18.335	63.3#	71	0.00
57	T	1,3-Dichloropropane	50.000	19.428	61.1#	77	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	86.648	65.3#	76	0.00
59	T	2-Hexanone	250.000	79.270	68.3#	62	0.00
60	T	Dibromochloromethane	50.000	20.097	59.8#	79	0.00
61	T	1,2-Dibromoethane	50.000	18.780	62.4#	75	0.00
62	S	4-Bromofluorobenzene	50.000	43.986	12.0	178	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	197	0.00
64	T	Tetrachloroethene	50.000	19.519	61.0#	80	0.00
65	PM	Chlorobenzene	50.000	21.570	56.9#	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	22.236	55.5#	89	0.00
67	C	Ethyl Benzene	50.000	21.171	57.7#	84	0.00
68	T	m/p-Xylenes	100.000	41.993	58.0#	83	0.00
69	T	o-Xylene	50.000	21.597	56.8#	85	0.00
70	T	Styrene	50.000	22.040	55.9#	87	0.00
71	P	Bromoform	50.000	18.655	62.7#	73	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	165	0.00
73	T	Isopropylbenzene	50.000	24.793	50.4#	82	0.00
74	T	N-amyl acetate	50.000	20.789	58.4#	66	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	21.676	56.6#	71	0.00
76	T	1,2,3-Trichloropropane	50.000	20.616	58.8#	68	0.00
77	T	Bromobenzene	50.000	25.517	49.0#	85	0.00
78	T	n-propylbenzene	50.000	24.484	51.0#	81	0.00
79	T	2-Chlorotoluene	50.000	25.431	49.1#	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	25.099	49.8#	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	16.420	67.2#	52	0.00
82	T	4-Chlorotoluene	50.000	25.151	49.7#	83	0.00
83	T	tert-Butylbenzene	50.000	24.673	50.7#	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	25.518	49.0#	83	0.00
85	T	sec-Butylbenzene	50.000	23.788	52.4#	78	0.00
86	T	p-Isopropyltoluene	50.000	24.313	51.4#	79	0.00
87	T	1,3-Dichlorobenzene	50.000	25.211	49.6#	84	0.00
88	T	1,4-Dichlorobenzene	50.000	24.659	50.7#	83	0.00
89	T	n-Butylbenzene	50.000	23.273	53.5#	75	0.00
90	T	Hexachloroethane	50.000	25.445	49.1#	84	0.00
91	T	1,2-Dichlorobenzene	50.000	25.231	49.5#	84	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	19.161	61.7#	64	0.00
93	T	1,2,4-Trichlorobenzene	50.000	22.816	54.4#	73	0.00
94	T	Hexachlorobutadiene	50.000	23.197	53.6#	75	0.00
95	T	Naphthalene	50.000	20.504	59.0#	65	0.00

Sample Results: **VY020662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 00:58:31 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	22.922	54.2#	73	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Dichlorodifluoromethane	0.625	0.623		-0.32	20
Chloromethane	0.463	0.405	0.1	-12.53	20
Vinyl Chloride	0.431	0.372		-13.69	20
Bromomethane	0.277	0.219		-20.94	20
Chloroethane	0.266	0.215		-19.17	20
Tetrahydrofuran	0.128	0.129		0.78	20
Trichlorofluoromethane	0.901	0.877		-2.66	20
1,1,2-Trichlorotrifluoroethane	0.646	0.683		5.73	20
1,1-Dichloroethene	0.627	0.646		3.03	20
Acrylonitrile	0.151	0.154		1.99	20
Acetone	0.125	0.112		-10.4	20
Carbon Disulfide	2.040	2.219		8.77	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
2,2-Dichloropropane	1.235	1.242		0.57	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
1,1-Dichloropropene	0.643	0.702		9.18	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
1,2-Dichloropropane	0.440	0.476		8.18	20
Dibromomethane	0.233	0.252		8.15	20
Bromodichloromethane	0.628	0.687		9.4	20
4-Methyl-2-Pentanone	0.302	0.310		2.65	20
Toluene	1.170	1.291		10.34	20
t-1,3-Dichloropropene	0.586	0.636		8.53	20
cis-1,3-Dichloropropene	0.694	0.769		10.81	20
1,1,2-Trichloroethane	0.308	0.334		8.44	20
1,3-Dichloropropane	0.548	0.595		8.58	20
2-Hexanone	0.194	0.205		5.67	20
Dibromochloromethane	0.411	0.454		10.46	20
1,2-Dibromoethane	0.286	0.306		6.99	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Tetrachloroethene	0.470	0.508		8.09	20
Chlorobenzene	1.398	1.523	0.3	8.94	20
1,1,1,2-Tetrachloroethane	0.478	0.538		12.55	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
Styrene	1.495	1.648		10.23	20
Bromoform	0.269	0.301	0.1	11.9	20
Isopropylbenzene	4.363	4.784		9.65	20
1,1,2,2-Tetrachloroethane	0.708	0.759	0.3	7.2	20
1,2,3-Trichloropropane	0.519	0.526		1.35	20
Bromobenzene	0.950	1.018		7.16	20
n-propylbenzene	5.257	5.794		10.22	20
2-Chlorotoluene	2.958	3.205		8.35	20
1,3,5-Trimethylbenzene	3.540	3.857		8.95	20
4-Chlorotoluene	3.068	3.306		7.76	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
p-Isopropyltoluene	3.844	4.251		10.59	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-Dibromo-3-Chloropropane	0.115	0.117		1.74	20
1,2,4-Trichlorobenzene	0.983	1.015		3.26	20
Hexachlorobutadiene	0.643	0.698		8.55	20
1,2,3-Trichlorobenzene	0.831	0.845		1.68	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
trans-1,4-Dichloro-2-butene	0.247	0.272		10.12	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\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

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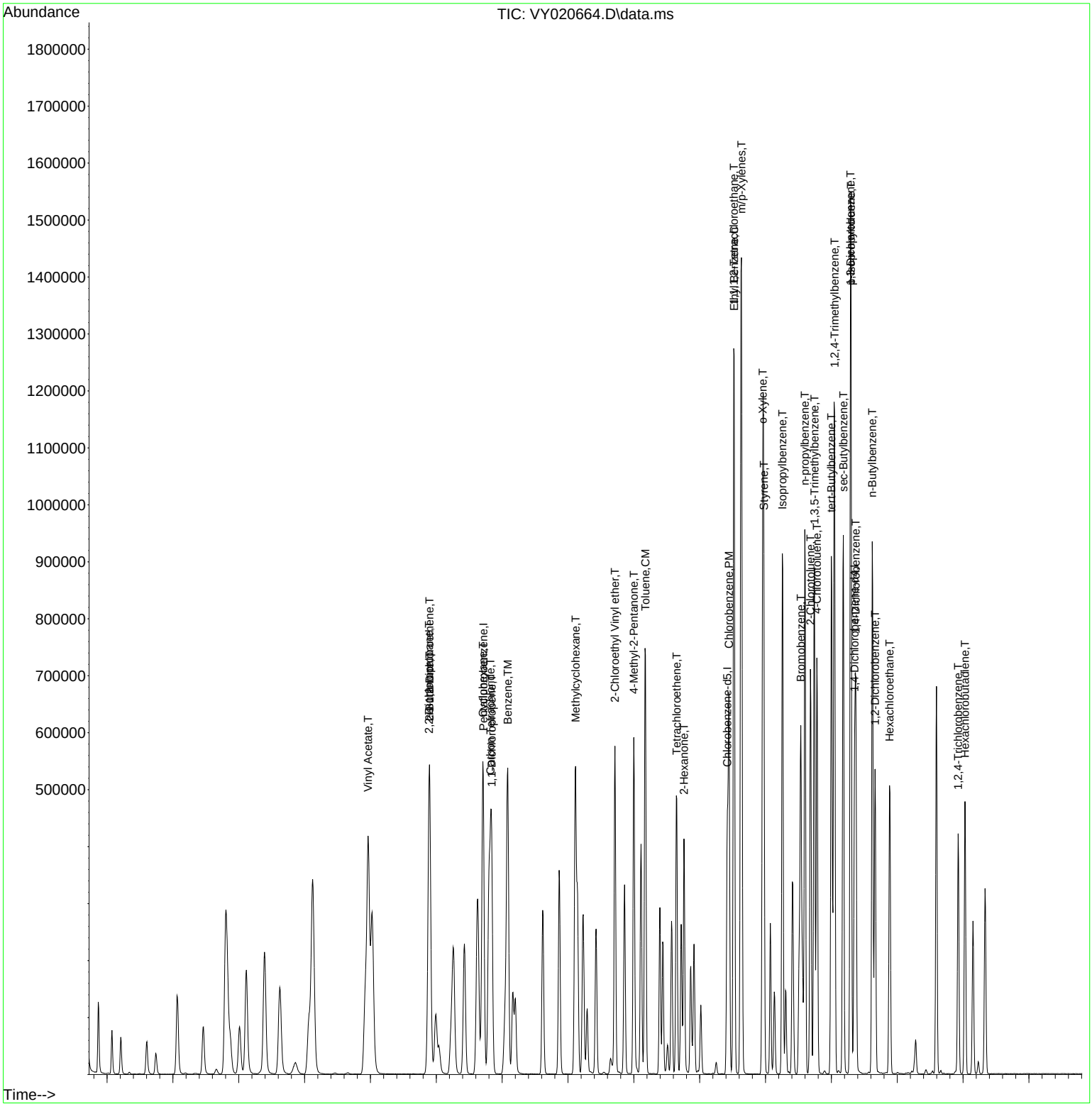
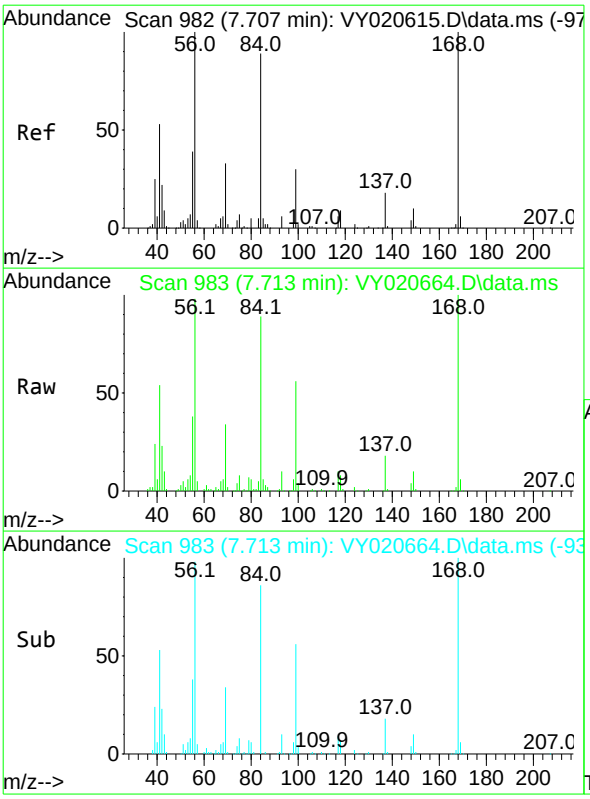
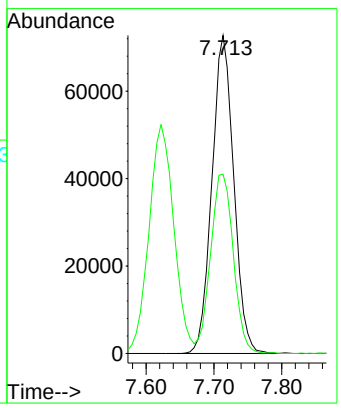




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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
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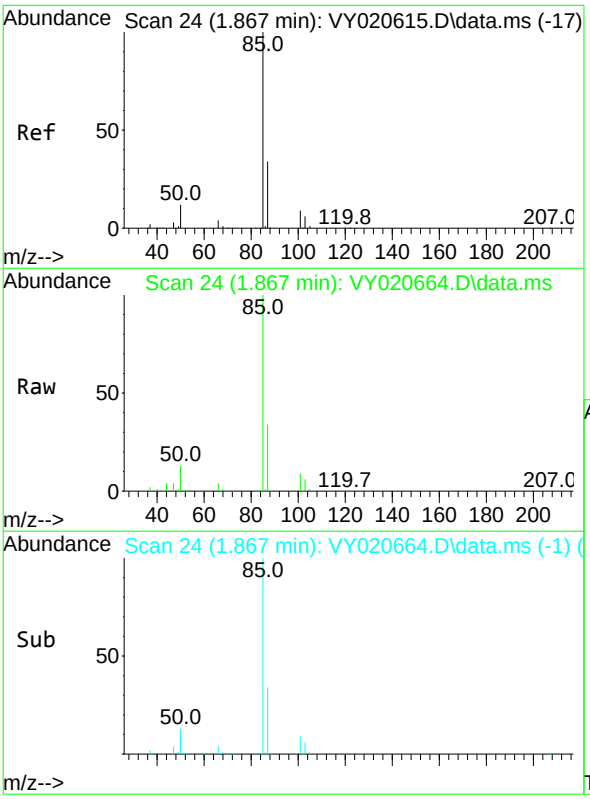
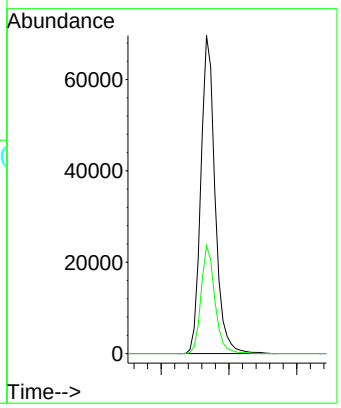
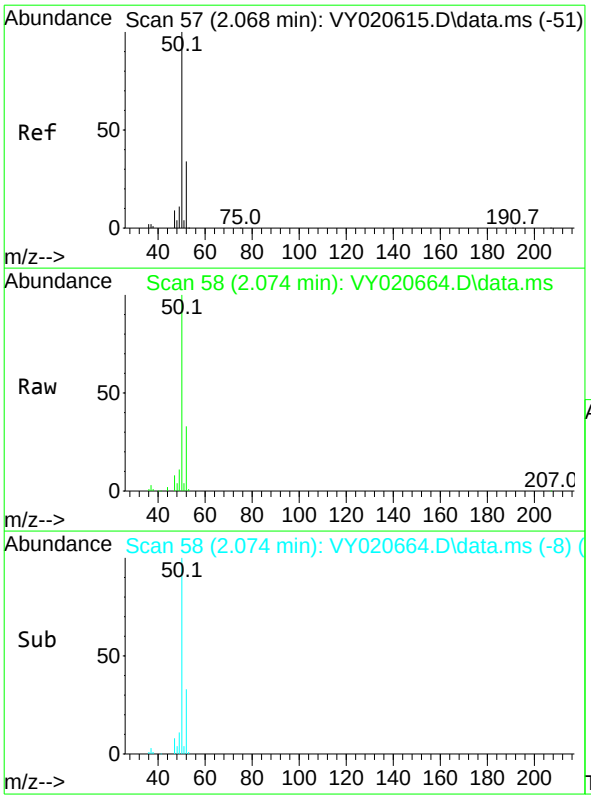


#2
Dichlorodifluoromethane
Concen: 49.863 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 85 Resp: 101237

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.8	50.3

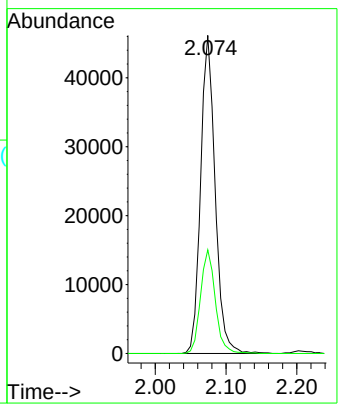




#3
Chloromethane
Concen: 43.800 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 50 Resp: 65890

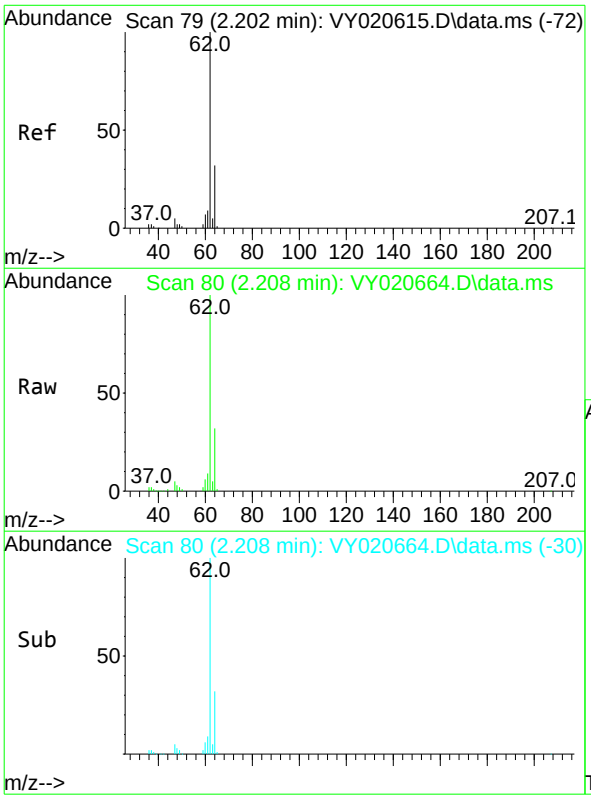
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

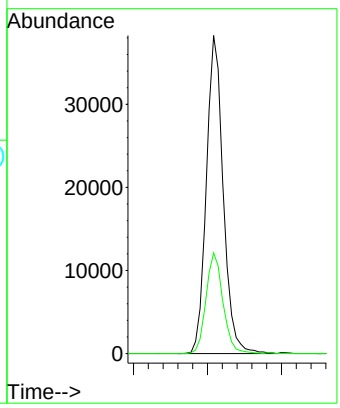
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

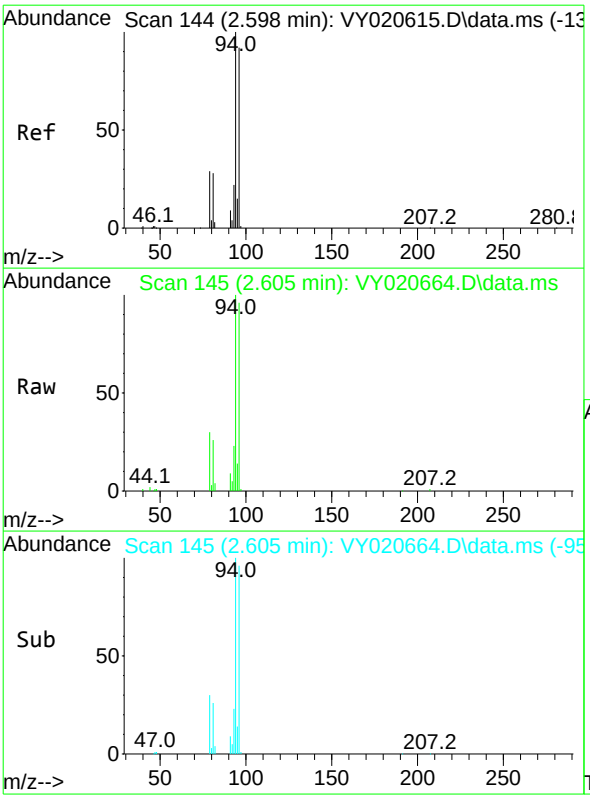


#4
Vinyl Chloride
Concen: 43.169 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

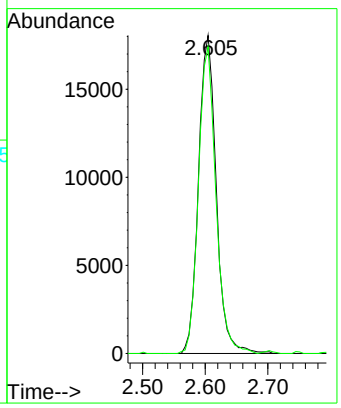
Tgt Ion: 94 Resp: 35571

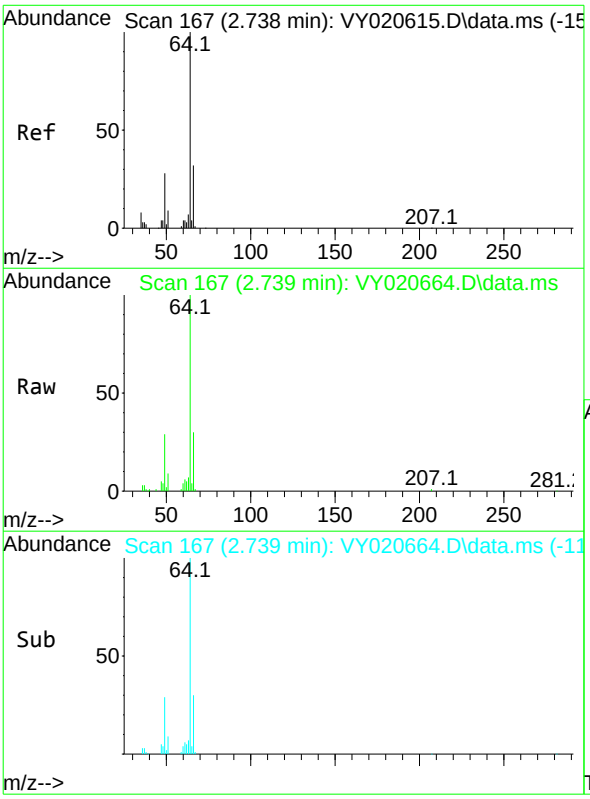
Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.8	110.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

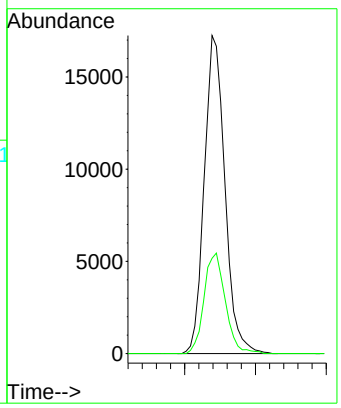


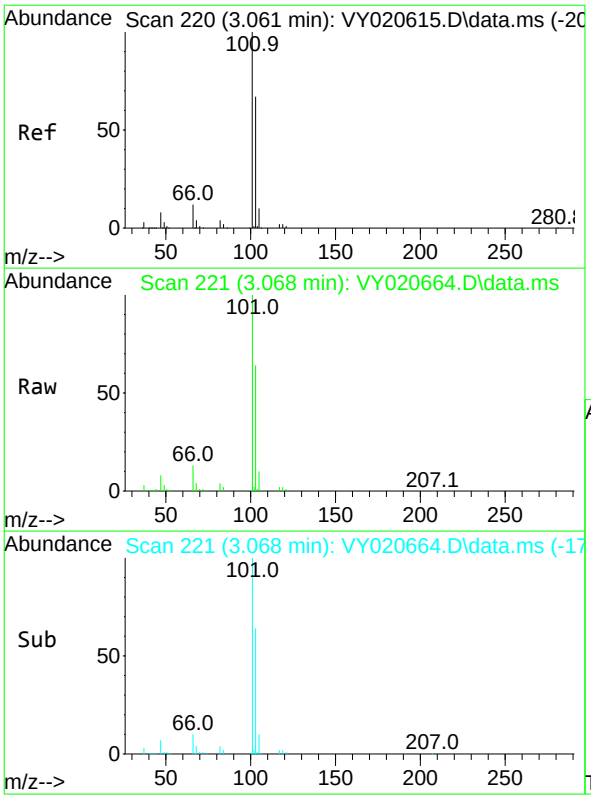


#6
Chloroethane
Concen: 40.318 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 64 Resp: 34884

Ion	Ratio	Lower	Upper
64	100		
66	30.0	25.8	38.6

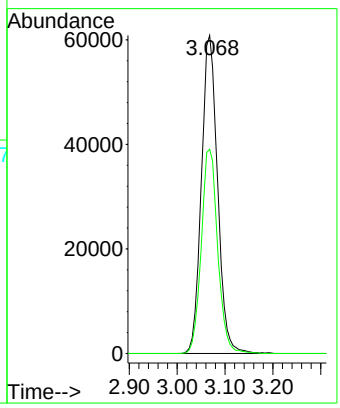




#7
Trichlorofluoromethane
Concen: 48.639 ug/l
RT: 3.068 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:101 Resp: 142498

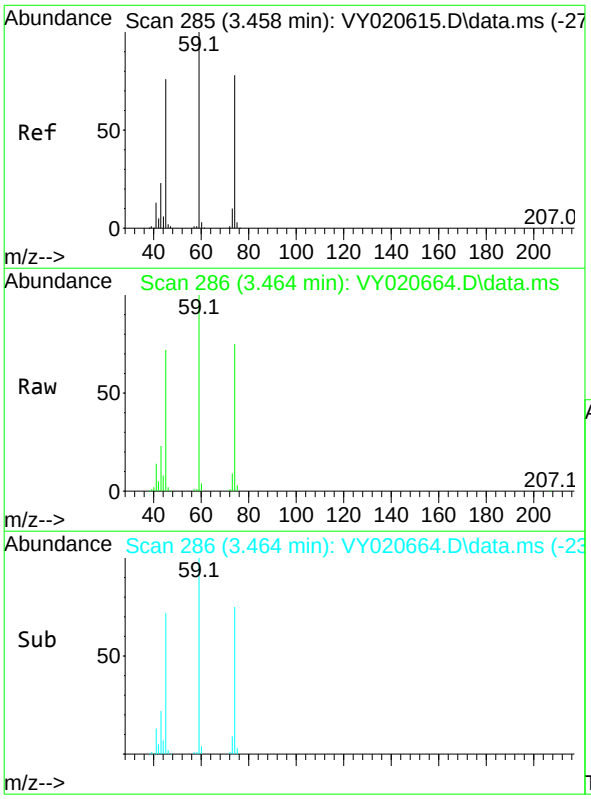
Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

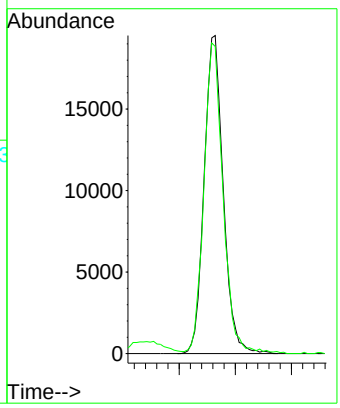
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

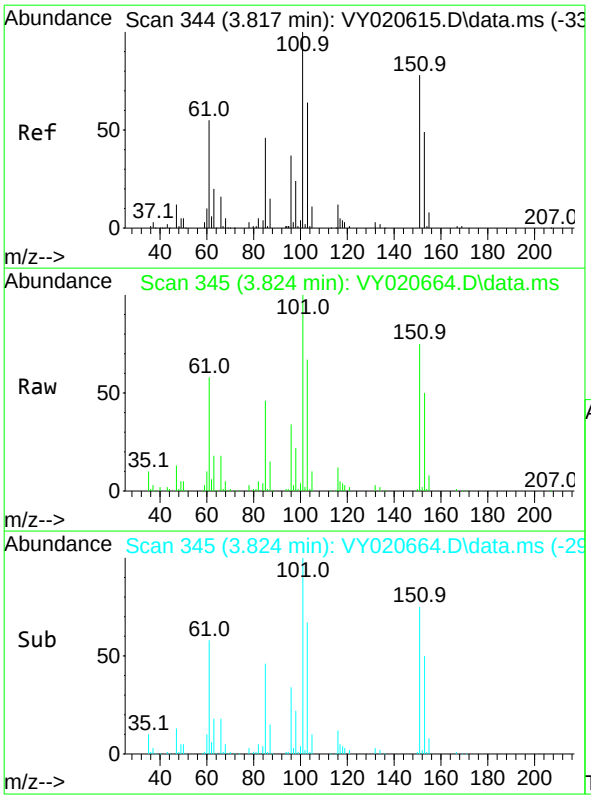


#8
Diethyl Ether
Concen: 44.802 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

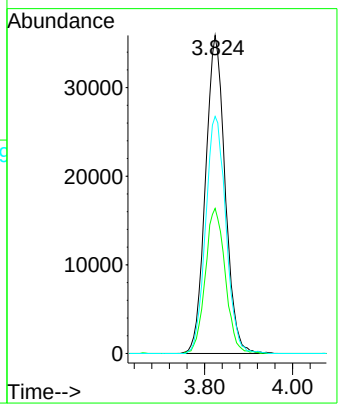
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

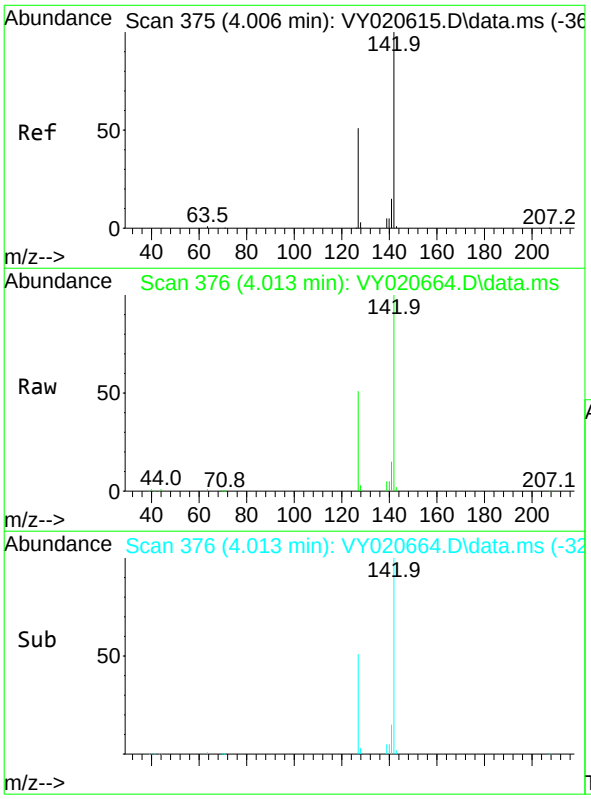
Tgt Ion:101 Resp: 110942

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.6	54.8
151	77.1	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

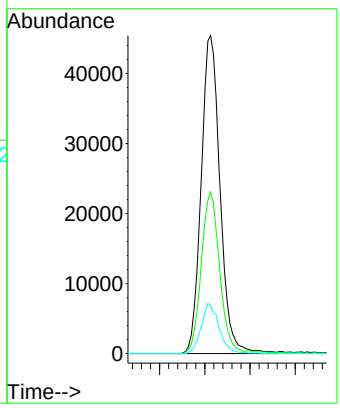


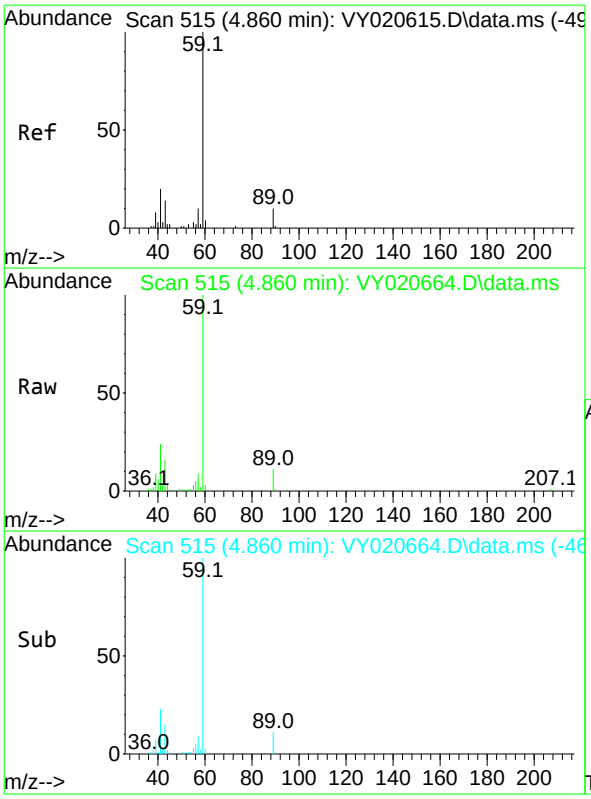


#10
Methyl Iodide
Concen: 56.311 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

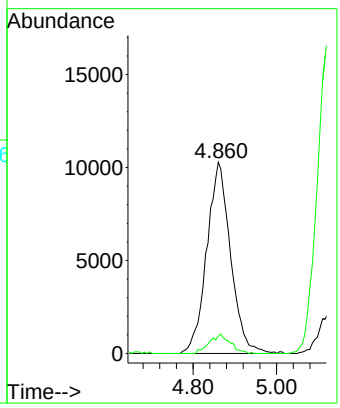




#11
Tert butyl alcohol
Concen: 212.136 ug/l
RT: 4.860 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 59 Resp: 40751

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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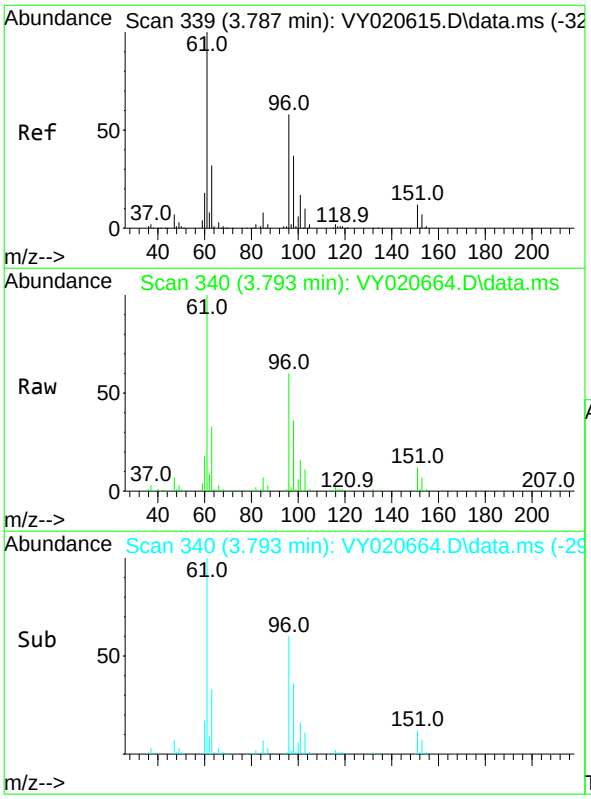
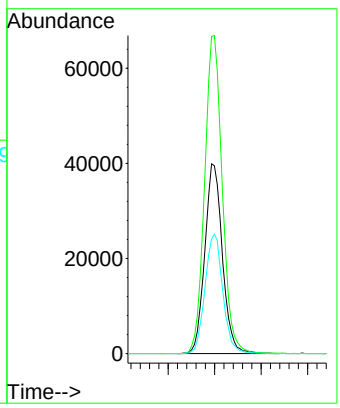
Supervised By :Mahesh Dadoda 12/24/2024

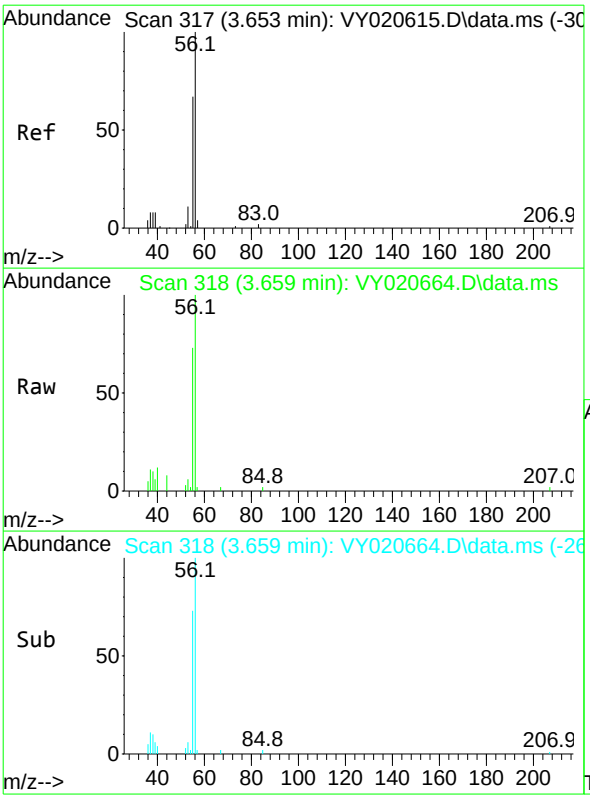


#12
1,1-Dichloroethene
Concen: 51.529 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

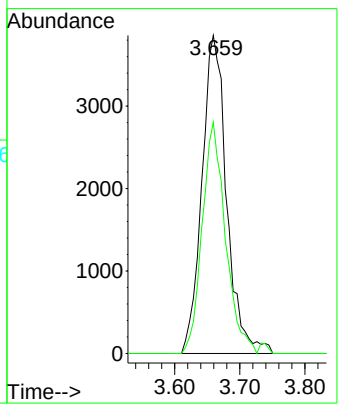




#13
Acrolein
Concen: 120.792 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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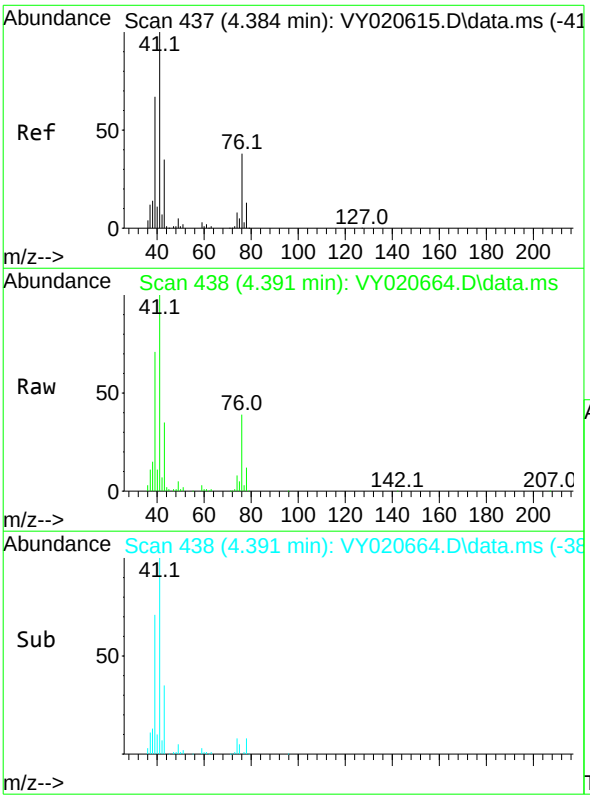
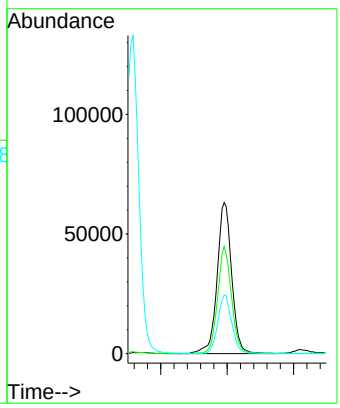
Supervised By :Mahesh Dadoda 12/24/2024

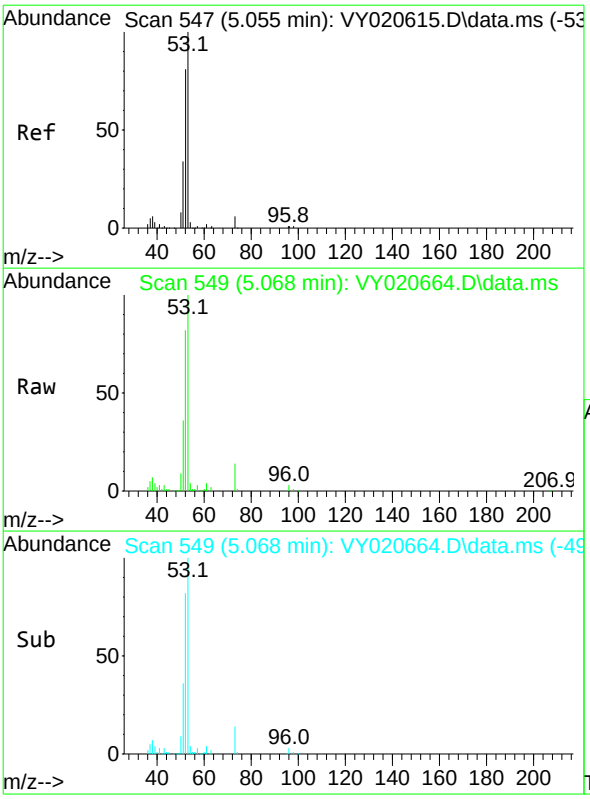


#14
Allyl chloride
Concen: 53.969 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

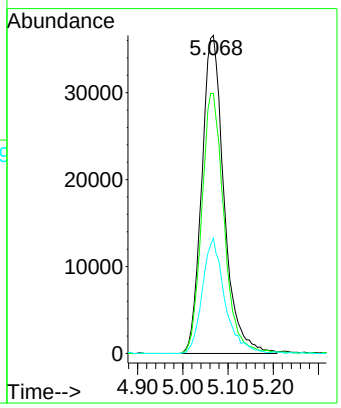




#15
Acrylonitrile
Concen: 254.850 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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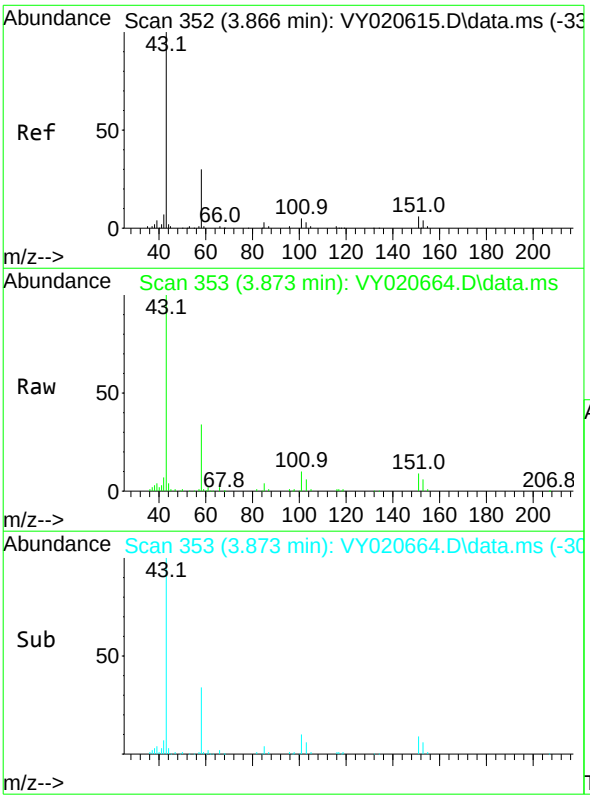
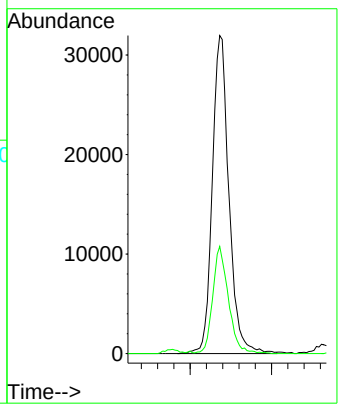
Supervised By :Mahesh Dadoda 12/24/2024

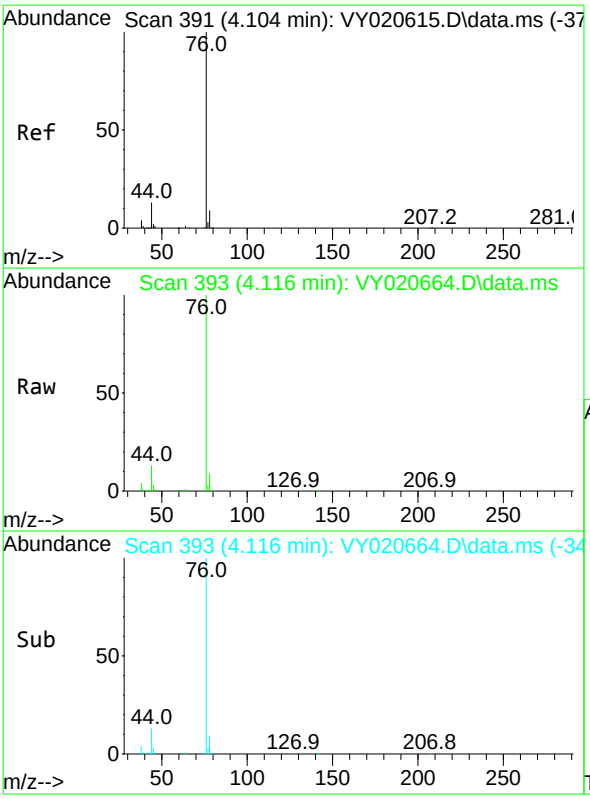


#16
Acetone
Concen: 256.402 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 90623

Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.0	37.6

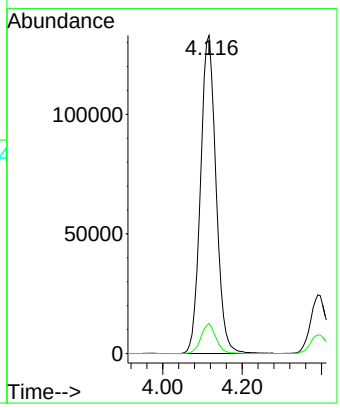




#17
Carbon Disulfide
Concen: 54.380 ug/l
RT: 4.116 min Scan# 39
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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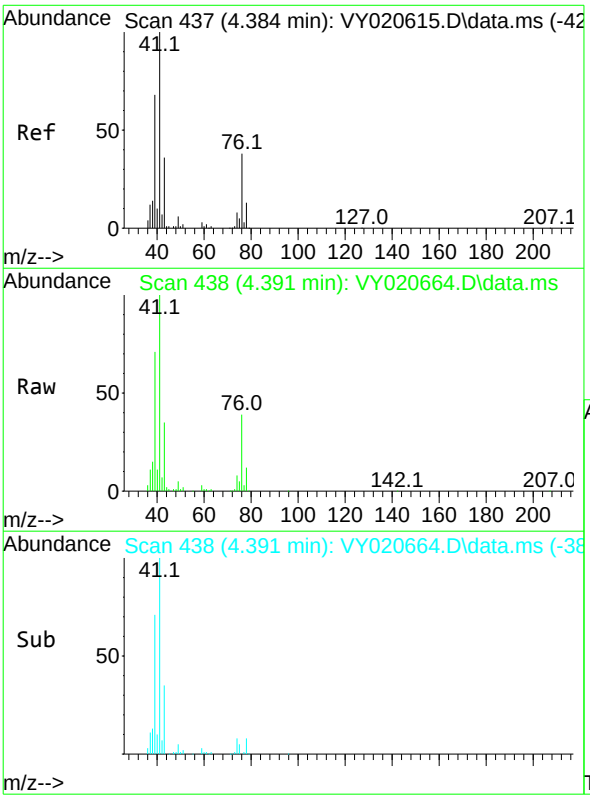
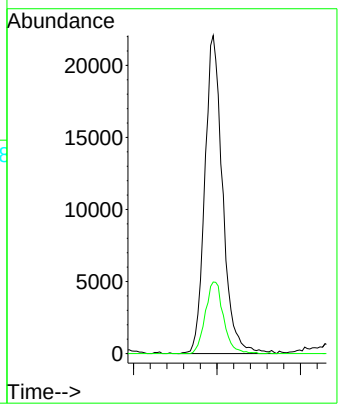
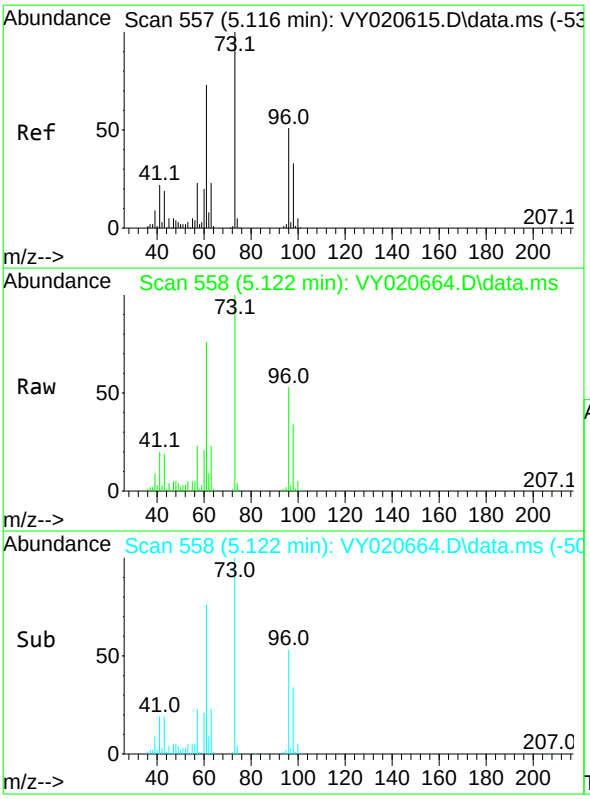


#18
Methyl Acetate
Concen: 53.944 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 65339

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8

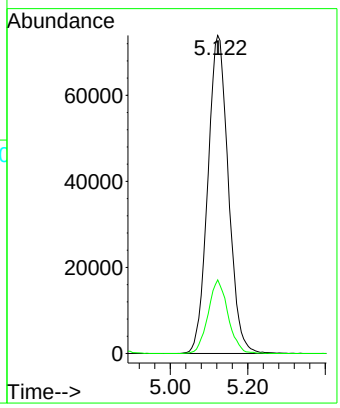




#19
Methyl tert-butyl Ether
Concen: 51.833 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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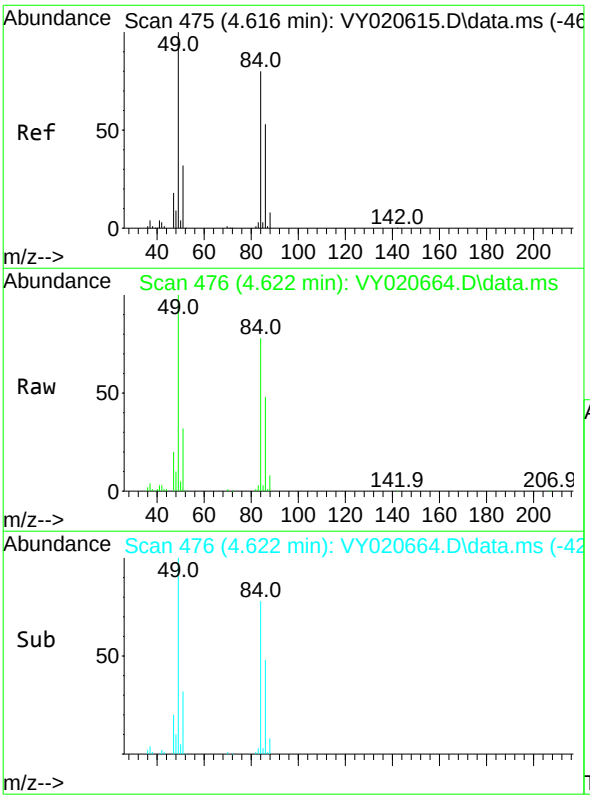
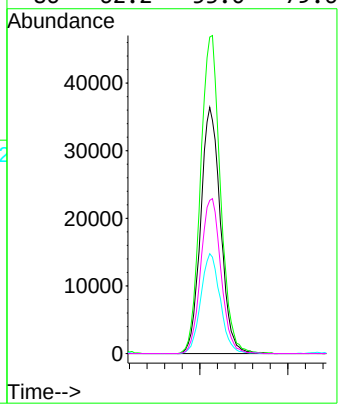
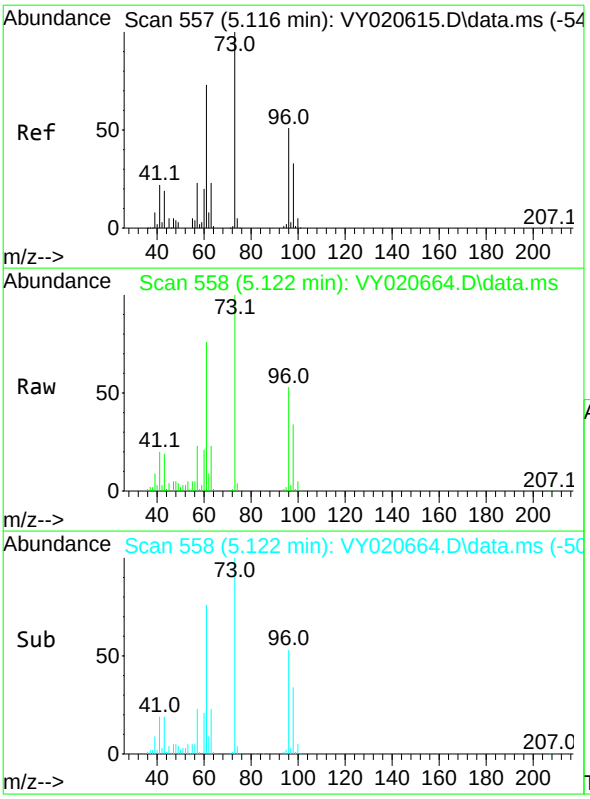


#20
Methylene Chloride
Concen: 51.431 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

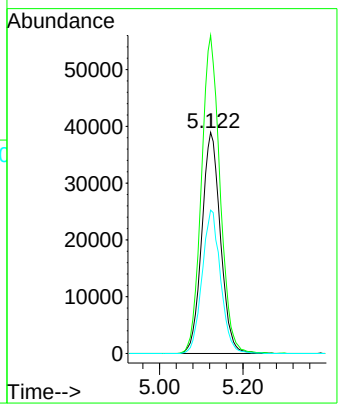




#21
trans-1,2-Dichloroethene
Concen: 52.751 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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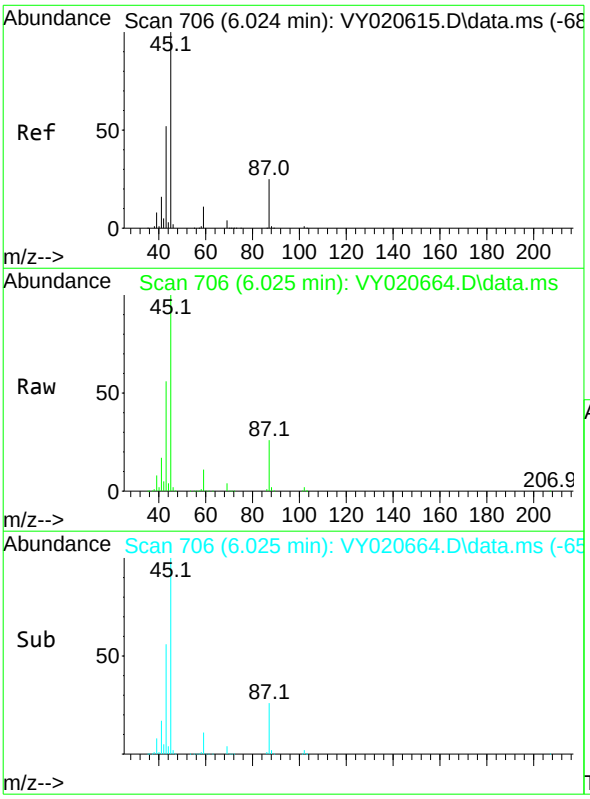
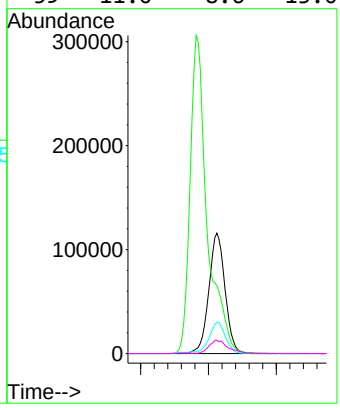
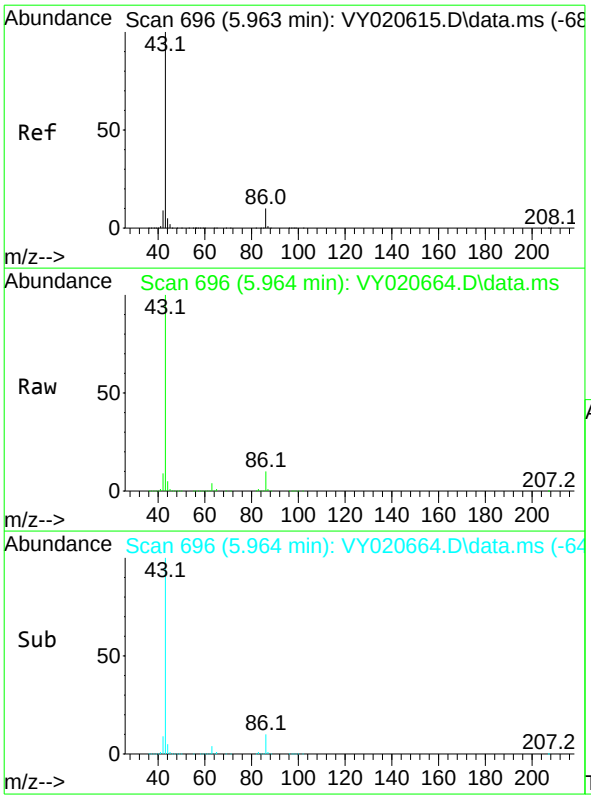


#22
Diisopropyl ether
Concen: 53.195 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

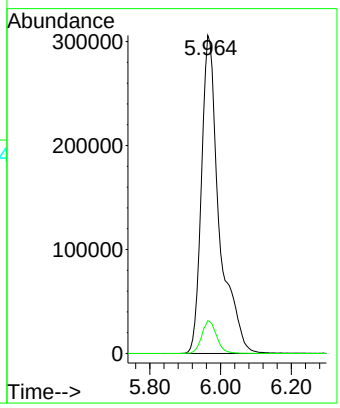




#23
Vinyl Acetate
Concen: 260.253 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 1068233

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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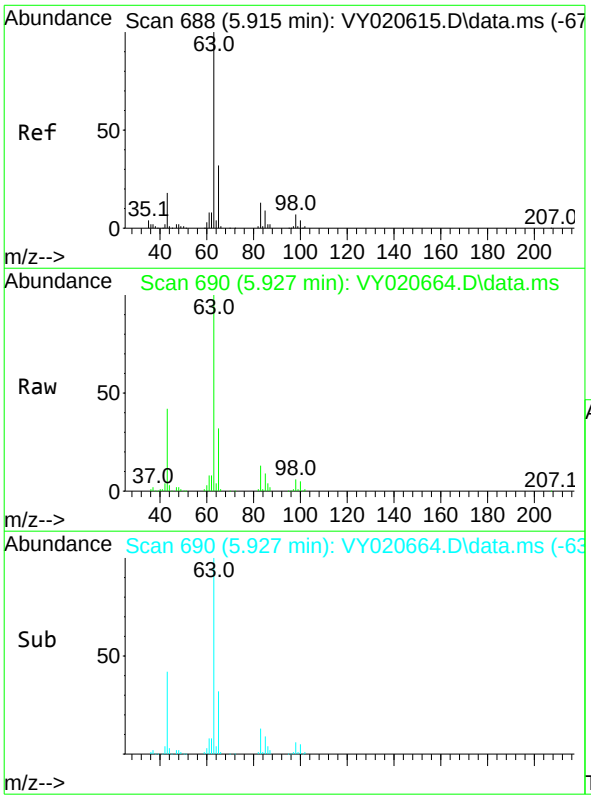
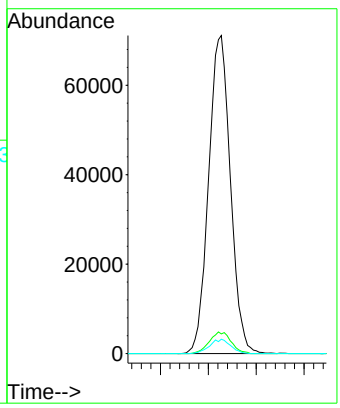
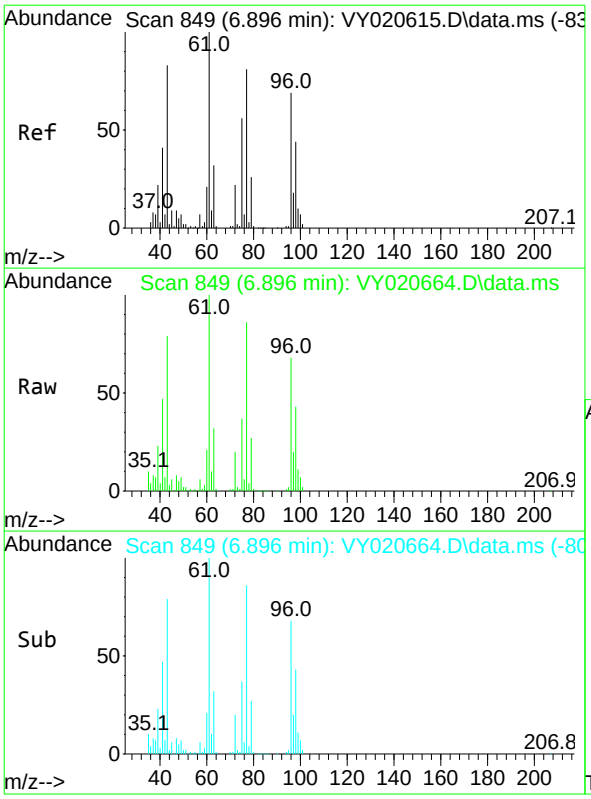


#24
1,1-Dichloroethane
Concen: 52.991 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

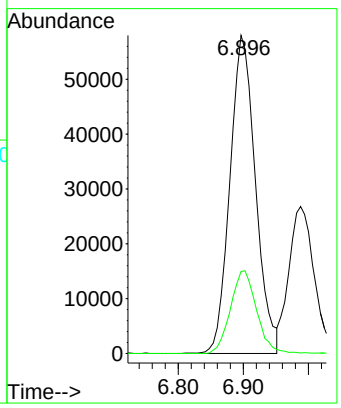




#25
2-Butanone
Concen: 239.715 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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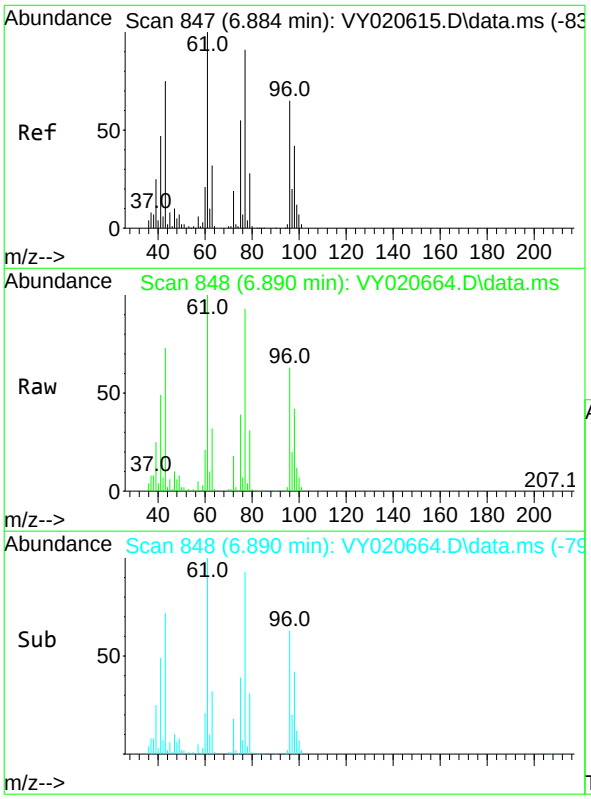
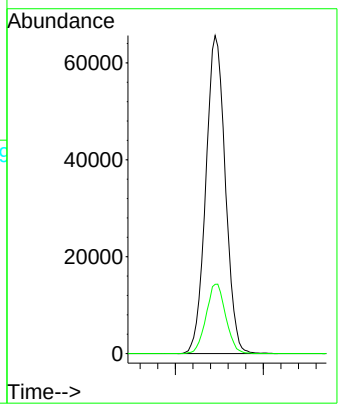
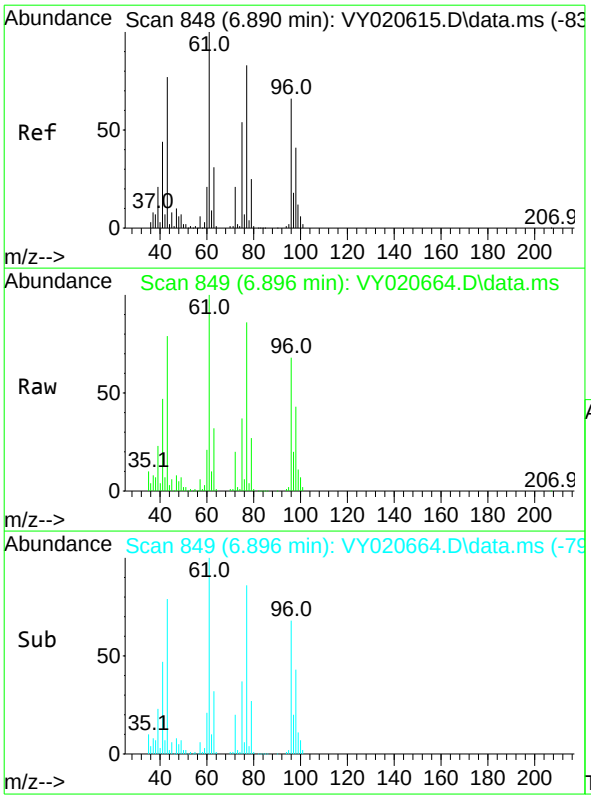


#26
2,2-Dichloropropane
Concen: 50.287 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 77 Resp: 201830

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

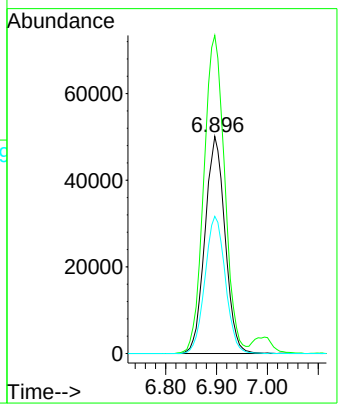




#27
cis-1,2-Dichloroethene
Concen: 52.244 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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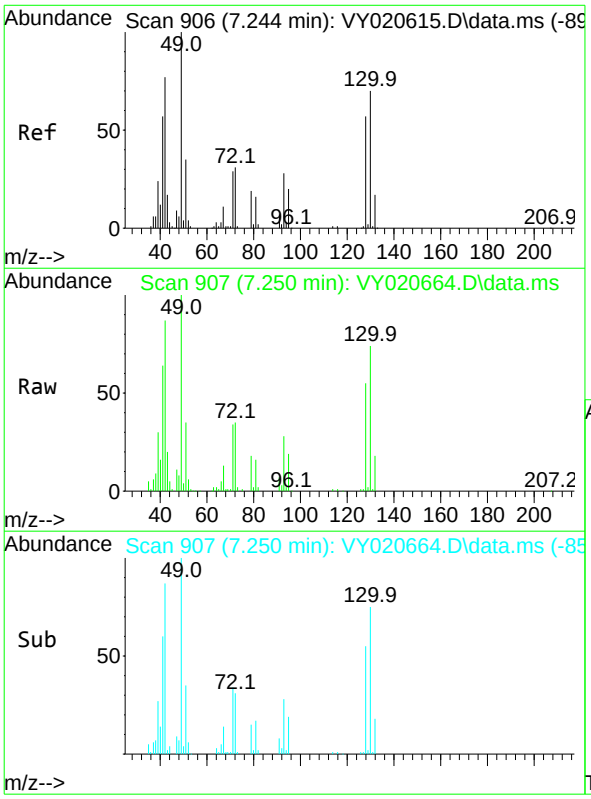
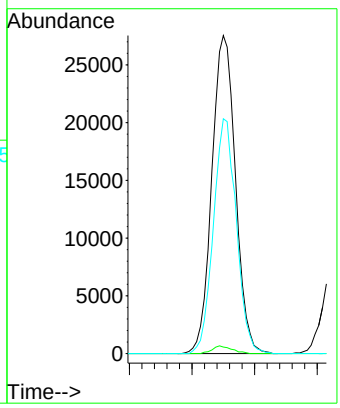
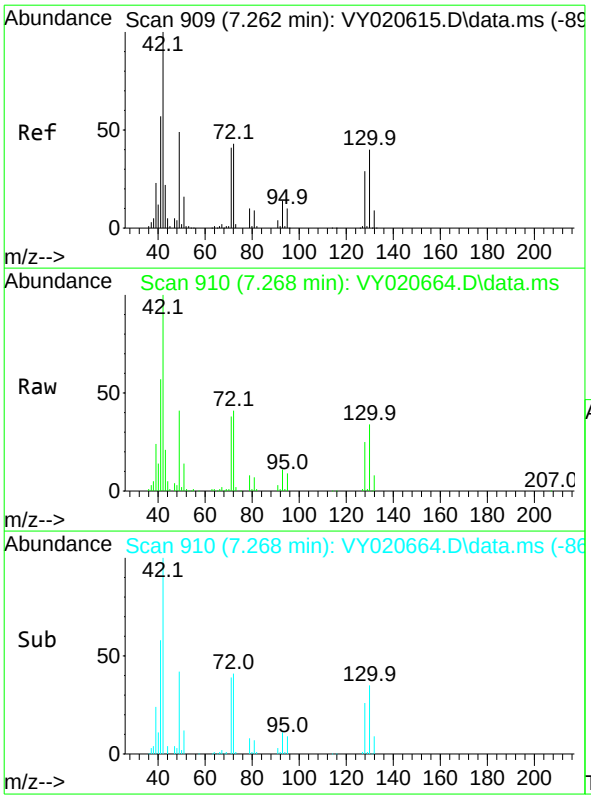


#28
Bromochloromethane
Concen: 50.330 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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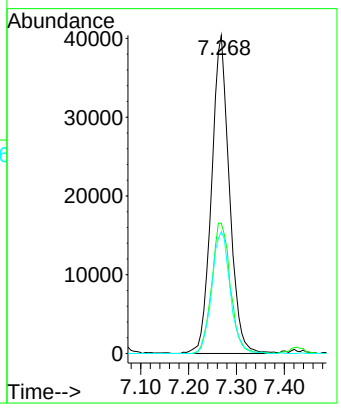
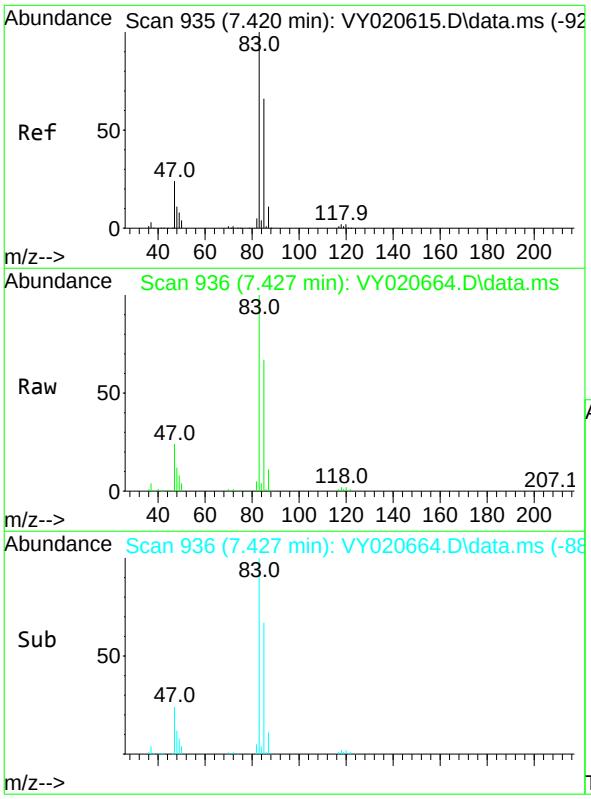
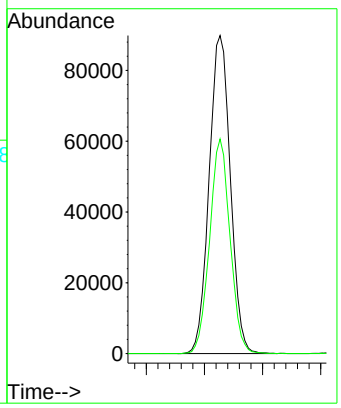


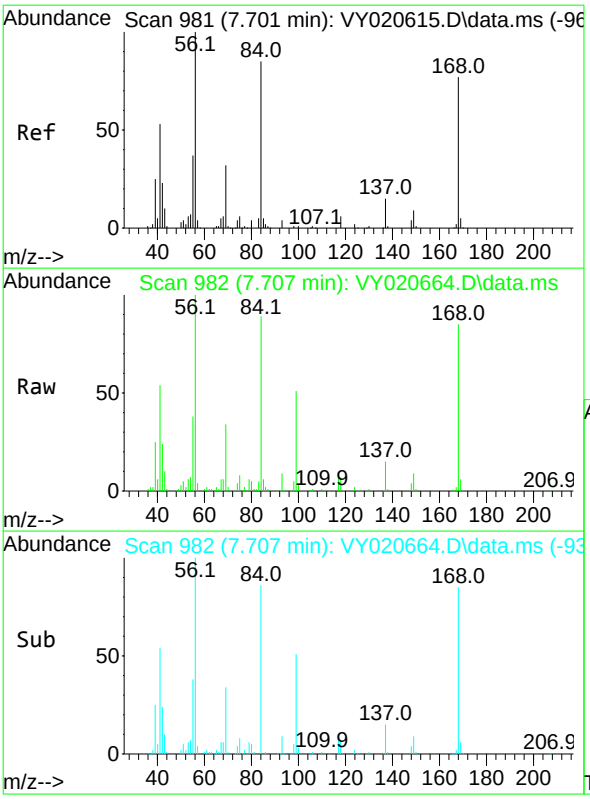


#30
Chloroform
Concen: 53.857 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 227859

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.7	79.1

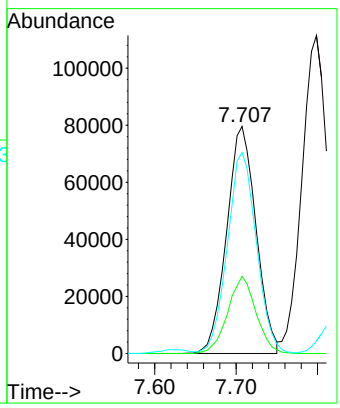




#31
Cyclohexane
Concen: 49.141 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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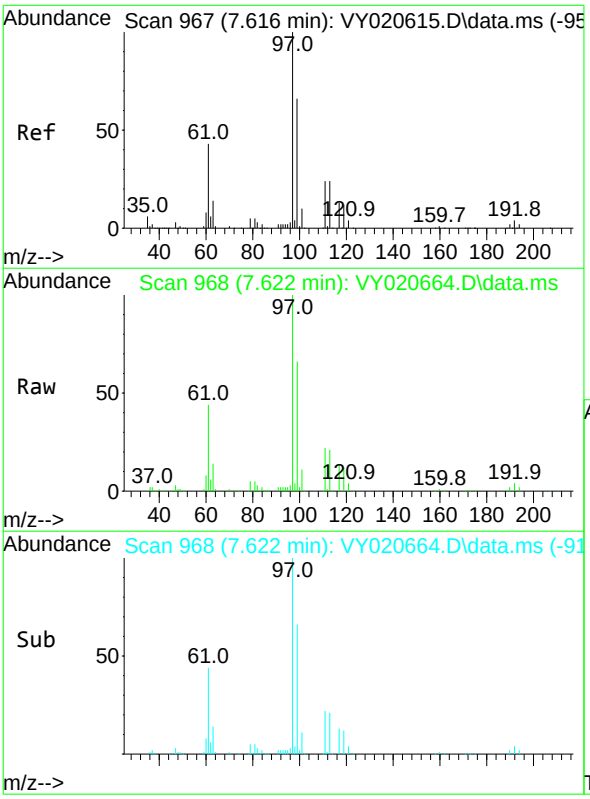
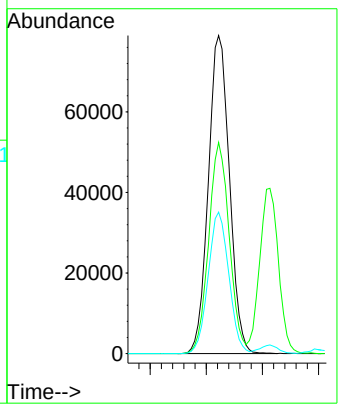
Supervised By :Mahesh Dadoda 12/24/2024

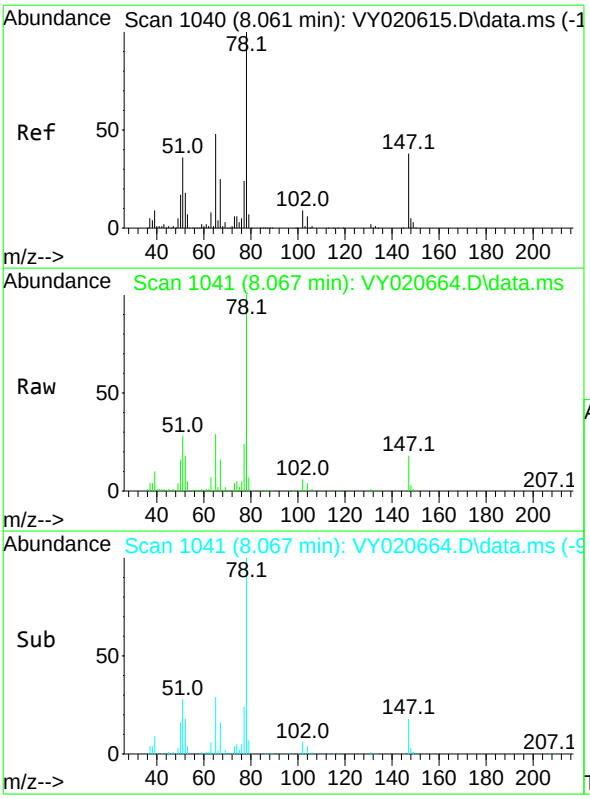


#32
1,1,1-Trichloroethane
Concen: 52.846 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

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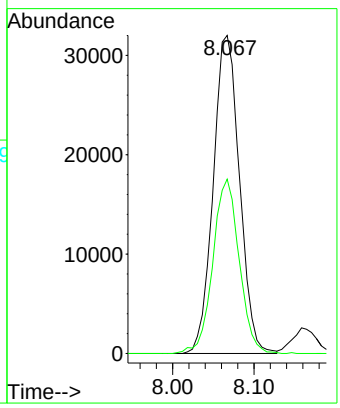
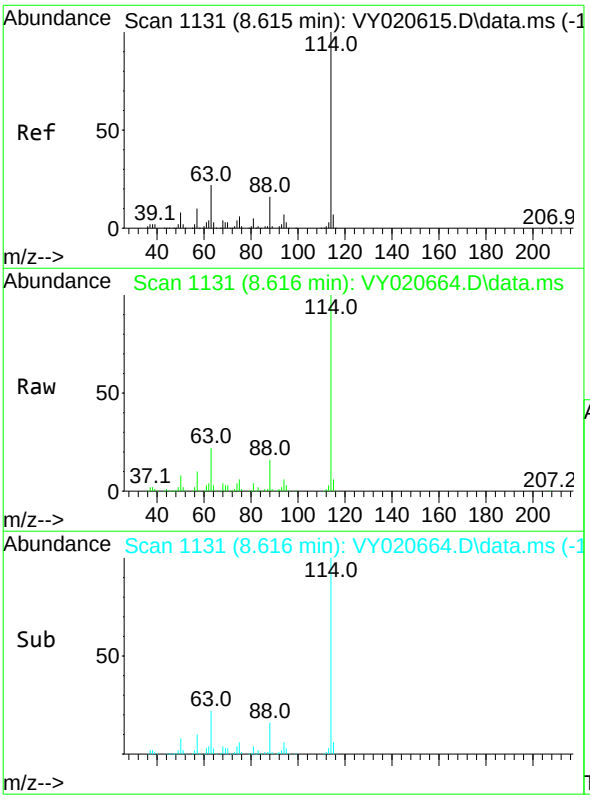
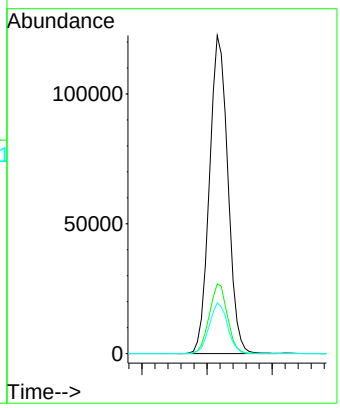


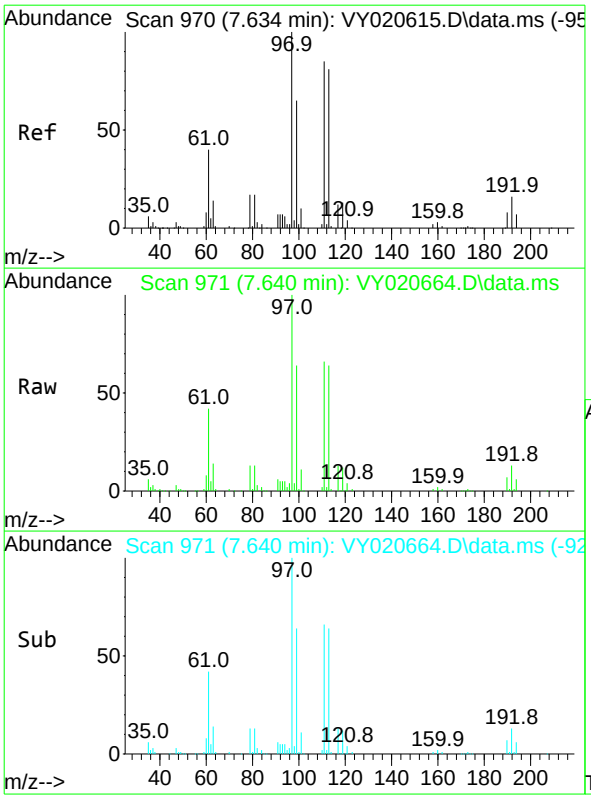


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

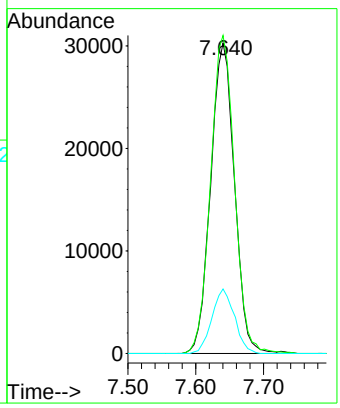




#35
Dibromofluoromethane
Concen: 43.459 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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 :
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VSTDCCC050

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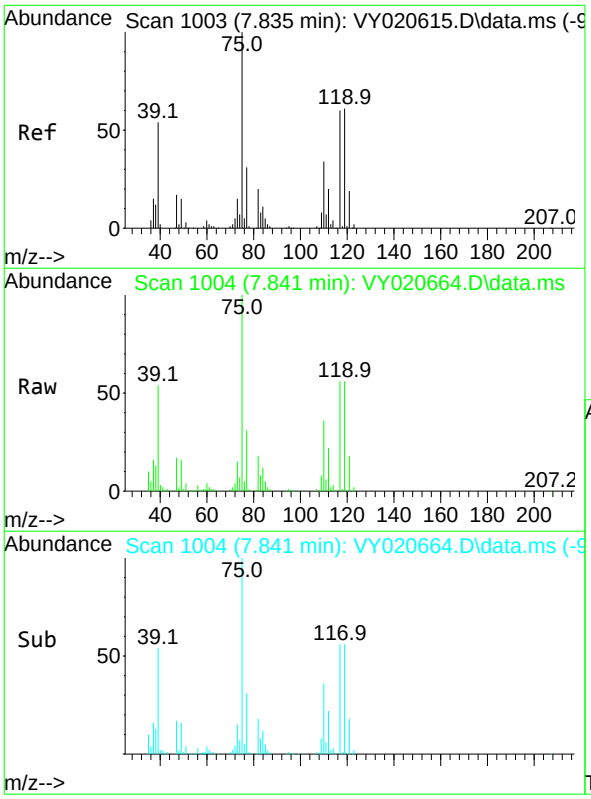
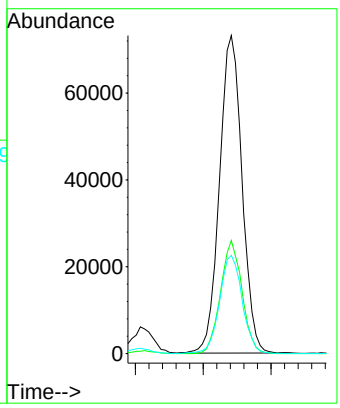
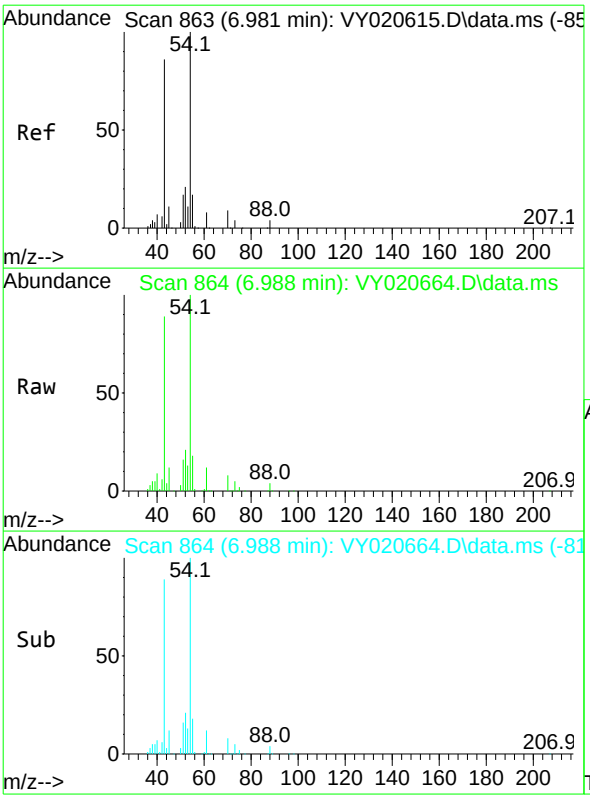


#36
1,1-Dichloropropene
Concen: 54.656 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

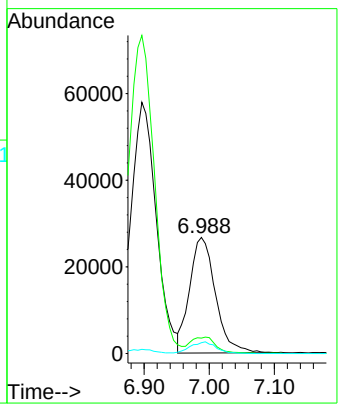




#37
Ethyl Acetate
Concen: 50.481 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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 :
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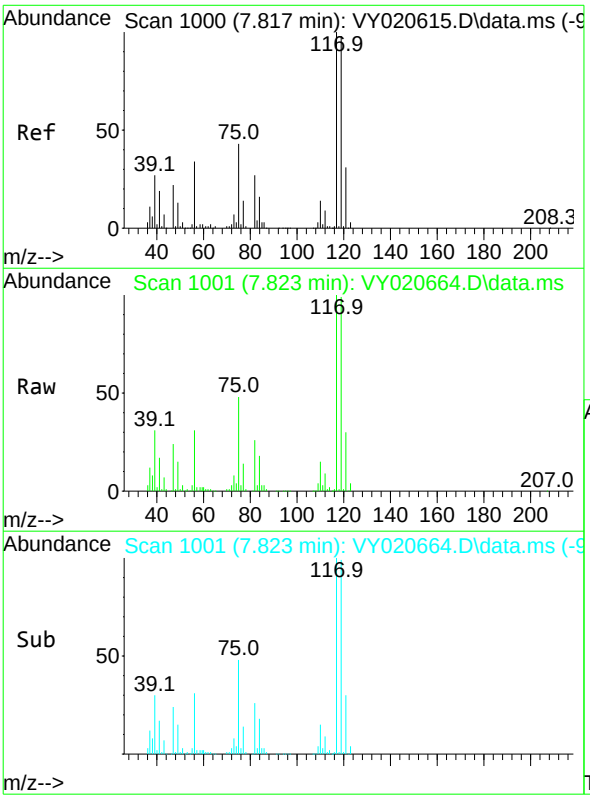
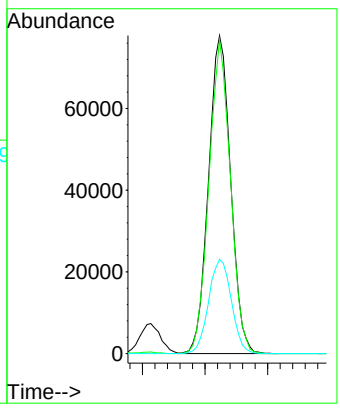
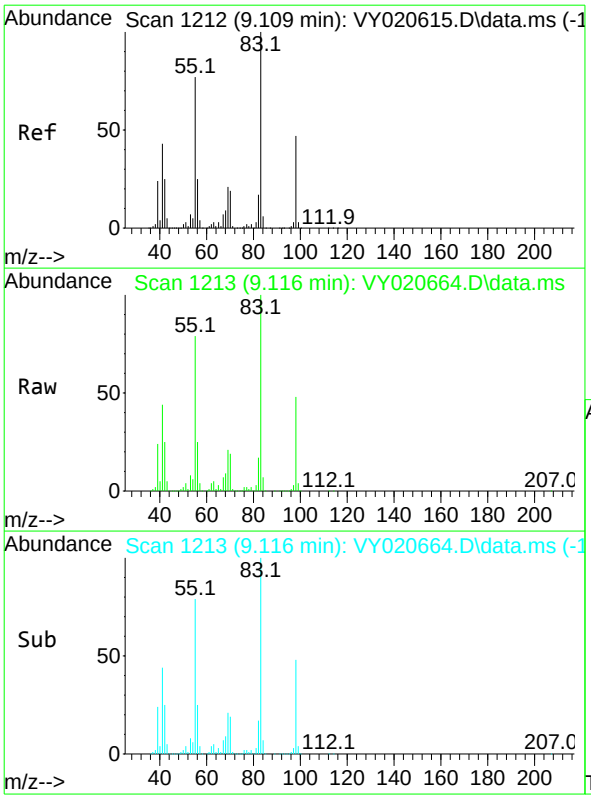


#38
Carbon Tetrachloride
Concen: 55.798 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

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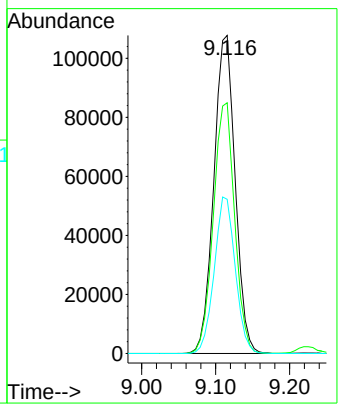
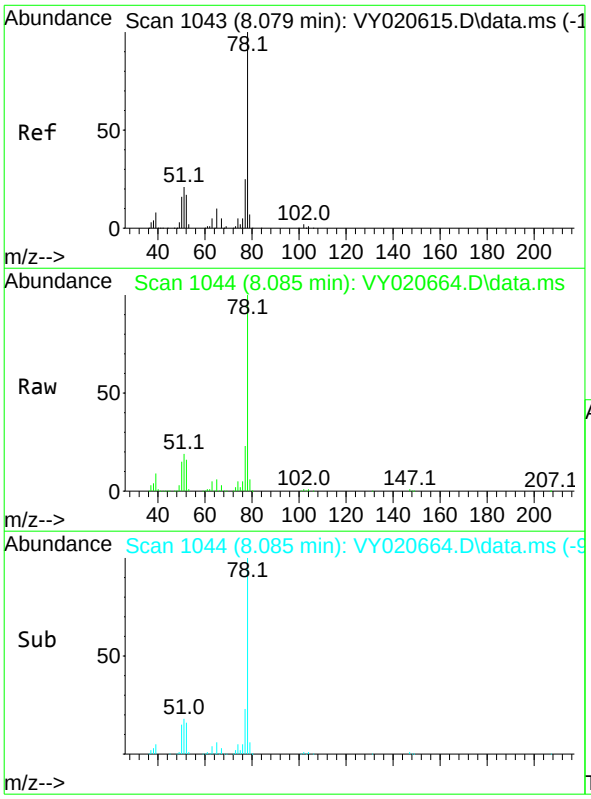
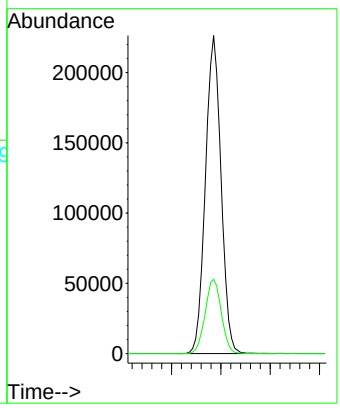


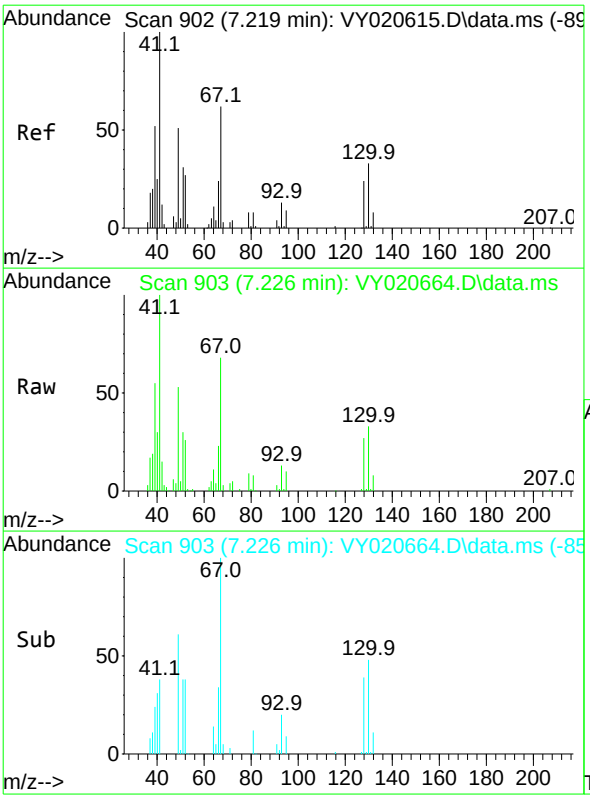


#40
Benzene
Concen: 54.799 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 78 Resp: 496803

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1

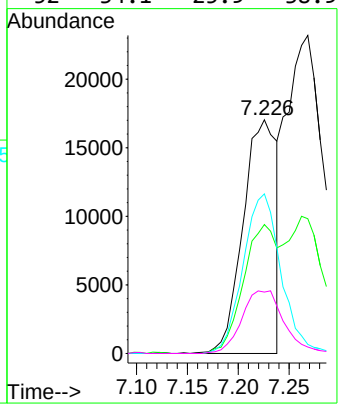




#41
Methacrylonitrile
Concen: 50.789 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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 :
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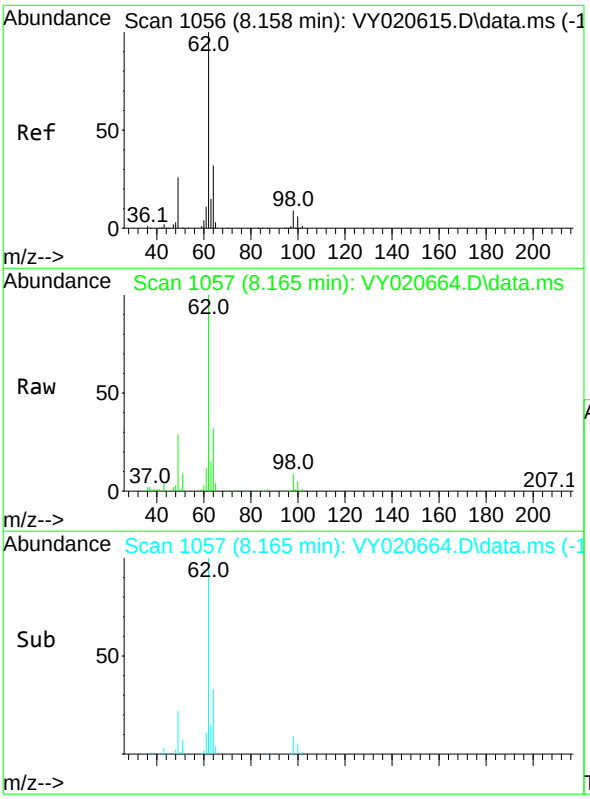
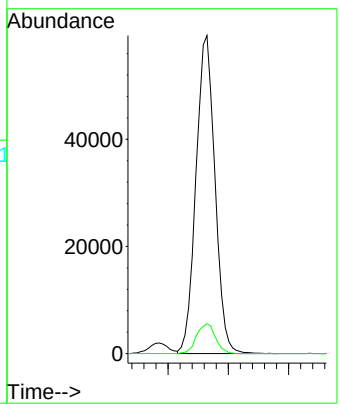
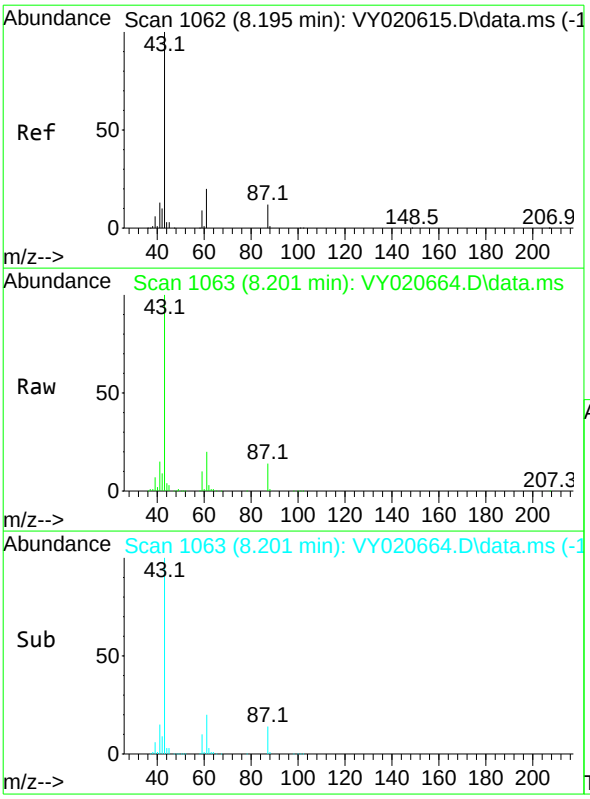


#42
1,2-Dichloroethane
Concen: 53.978 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 129790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

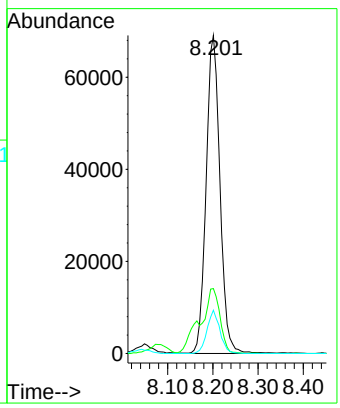




#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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 :
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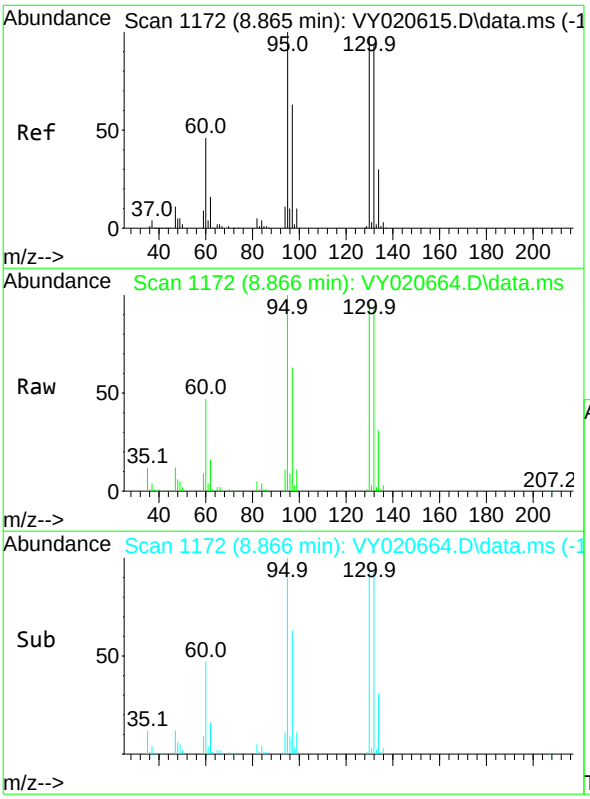
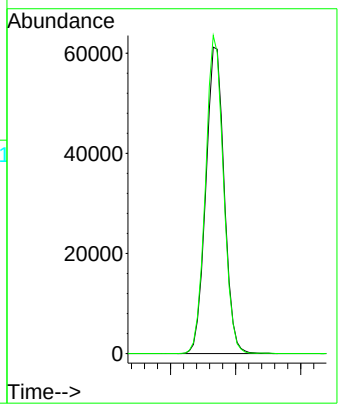
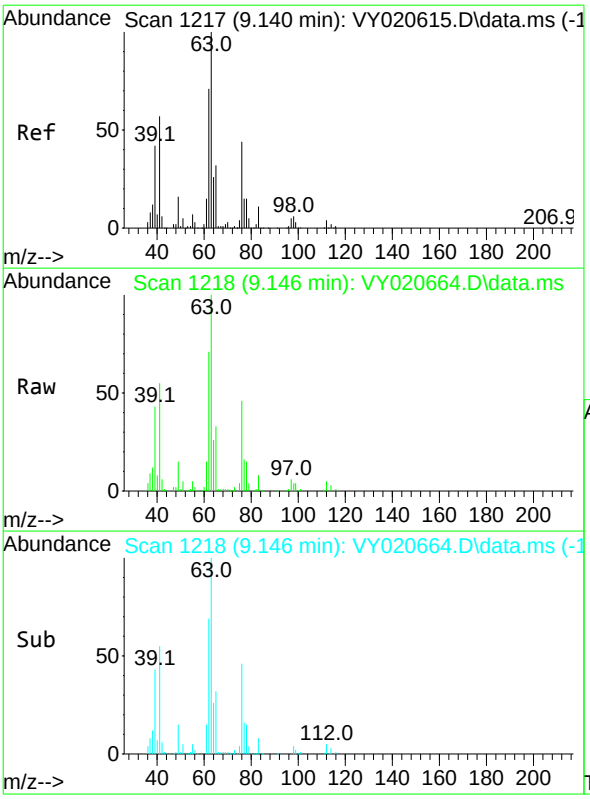


#44
Trichloroethene
Concen: 53.915 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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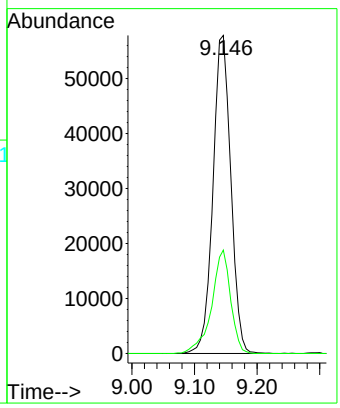
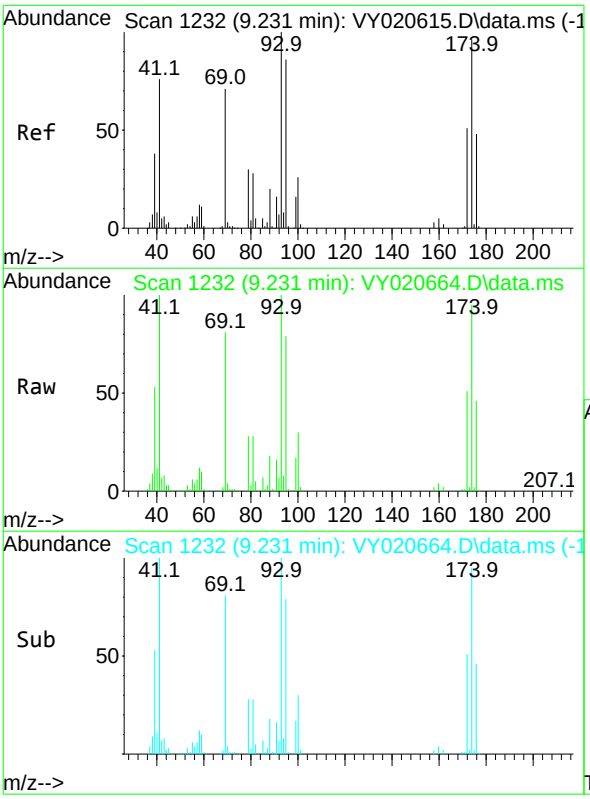
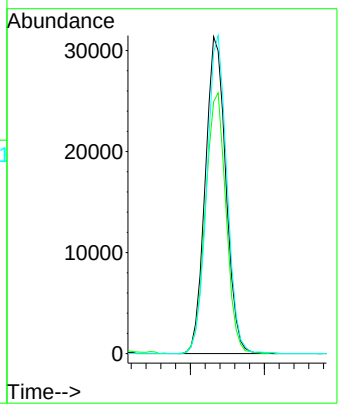


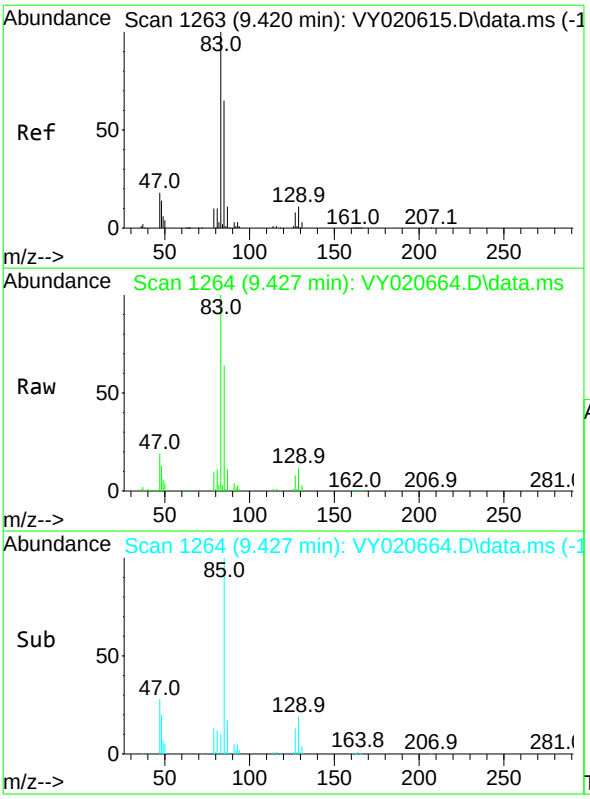


#46
Dibromomethane
Concen: 54.086 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

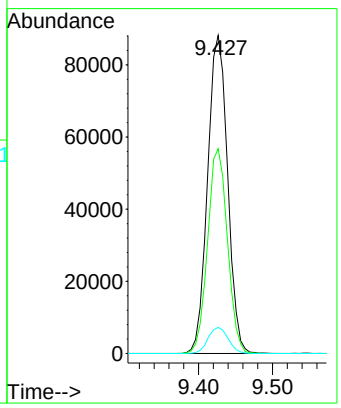




#47
Bromodichloromethane
Concen: 54.644 ug/l
RT: 9.427 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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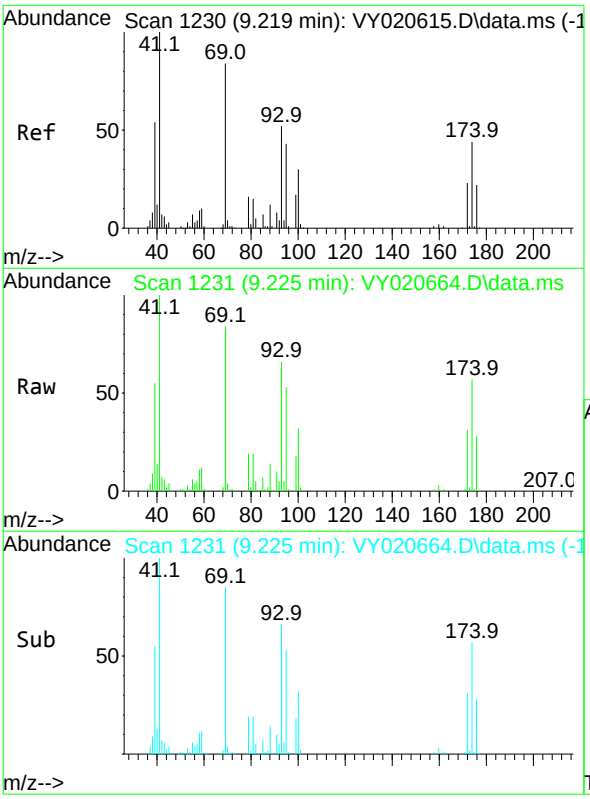
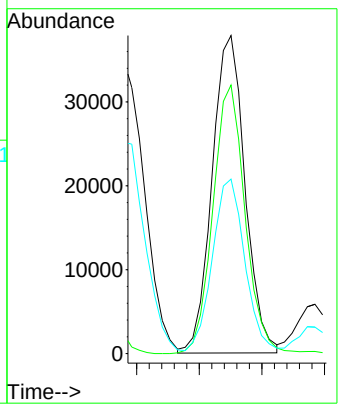
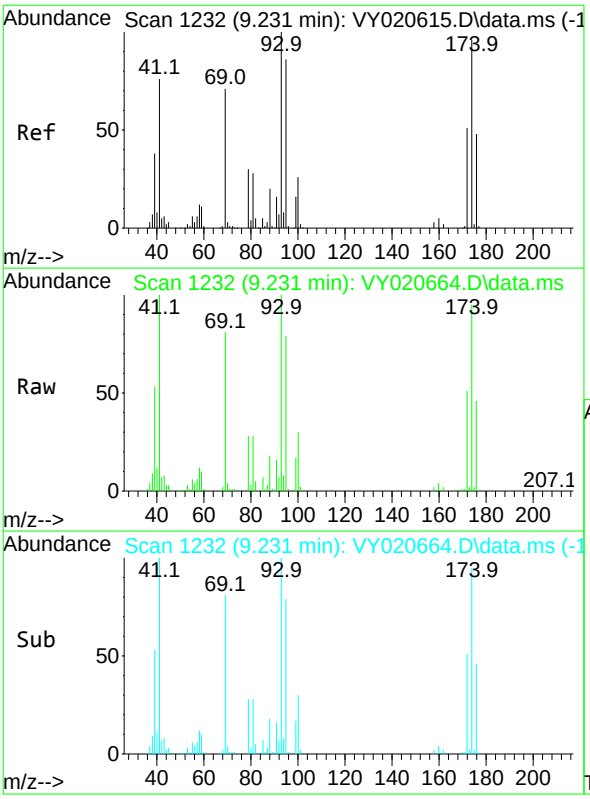


#48
Methyl methacrylate
Concen: 52.772 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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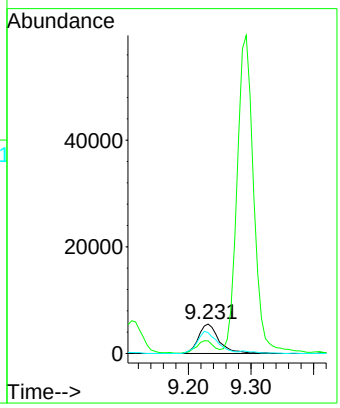
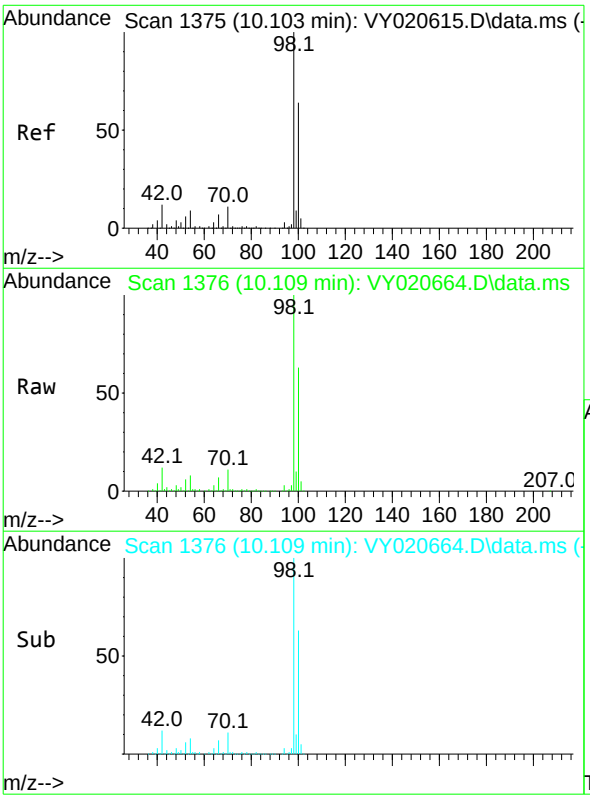
Supervised By :Mahesh Dadoda 12/24/2024

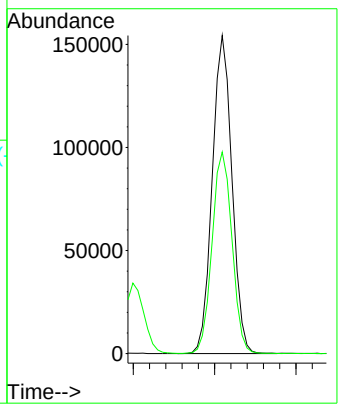


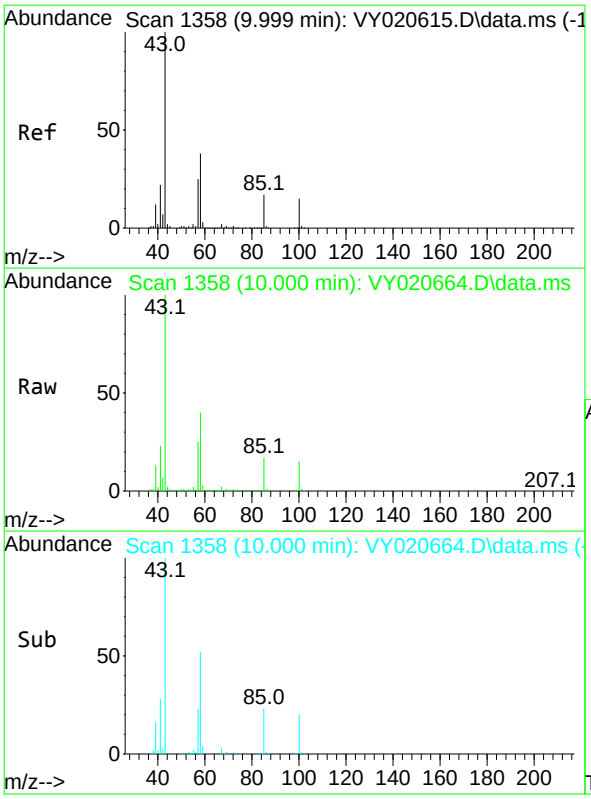


#50
Toluene-d8
Concen: 43.661 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 98 Resp: 259216

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

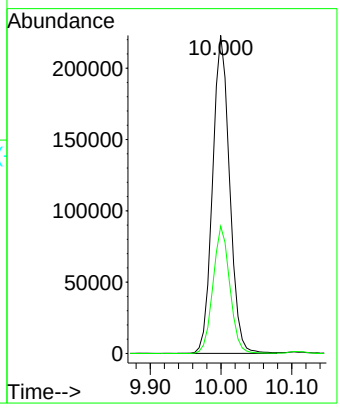




#51
4-Methyl-2-Pentanone
Concen: 256.228 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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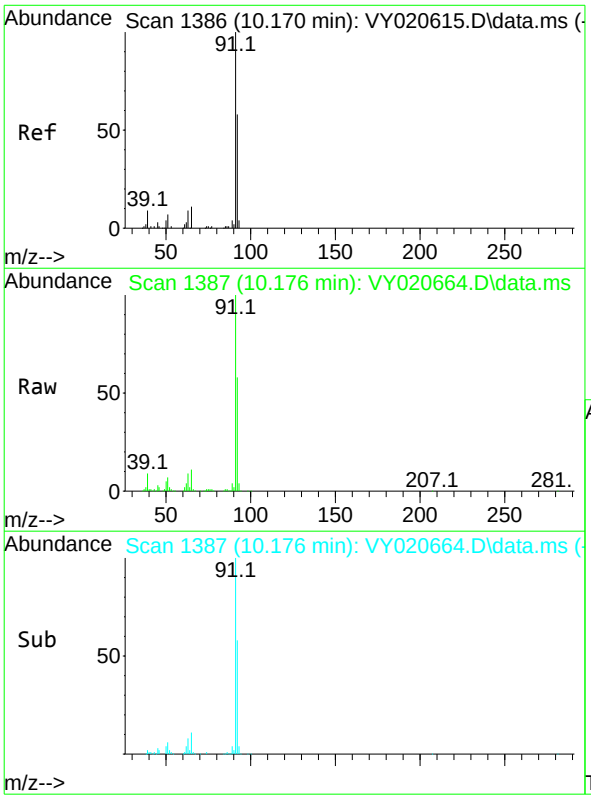
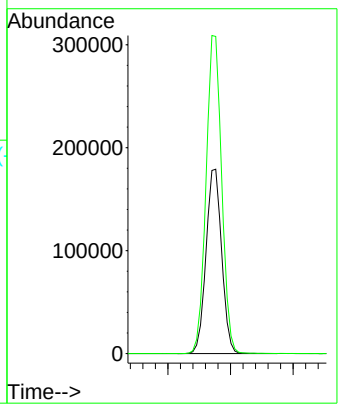
Supervised By :Mahesh Dadoda 12/24/2024

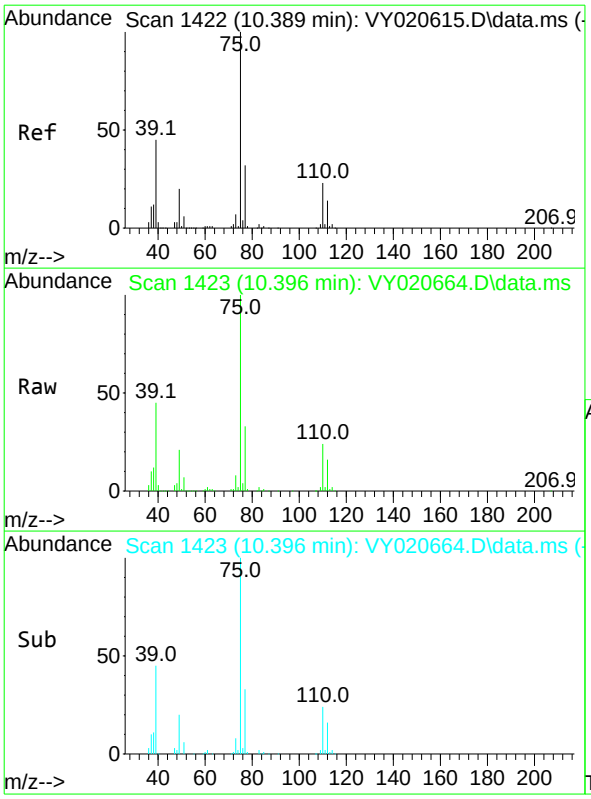


#52
Toluene
Concen: 55.159 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 92 Resp: 310772

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

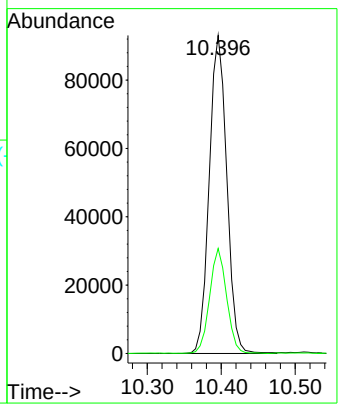




#53
t-1,3-Dichloropropene
Concen: 54.306 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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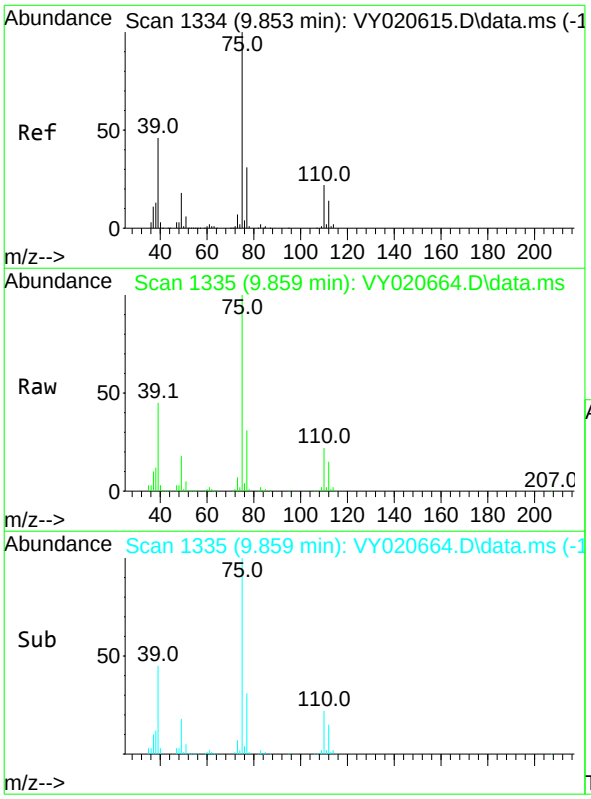
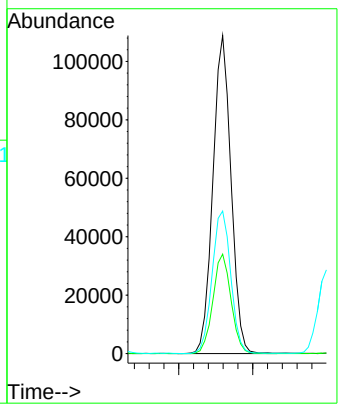
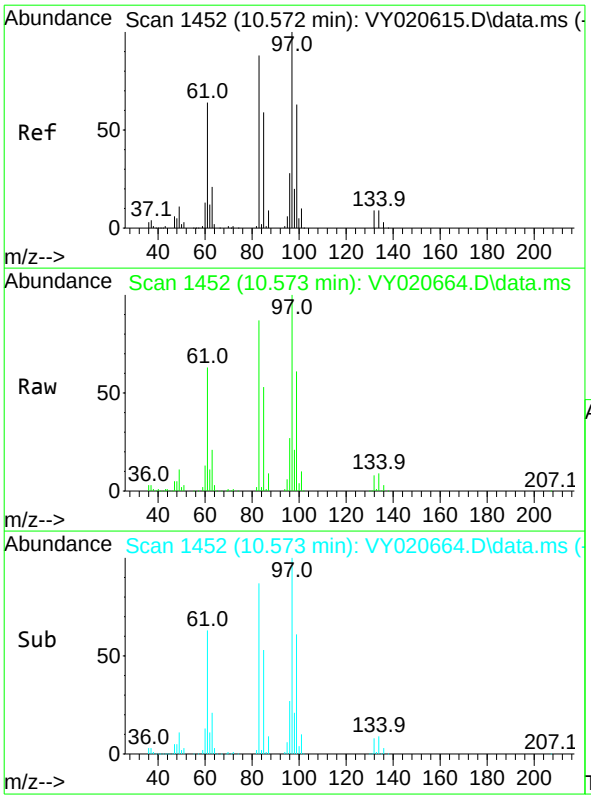


#54
cis-1,3-Dichloropropene
Concen: 55.407 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

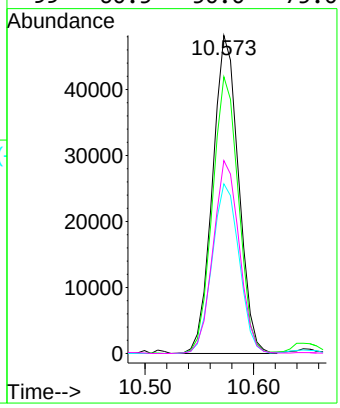




#55
1,1,2-Trichloroethane
Concen: 54.290 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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 :
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ClientSampleId :
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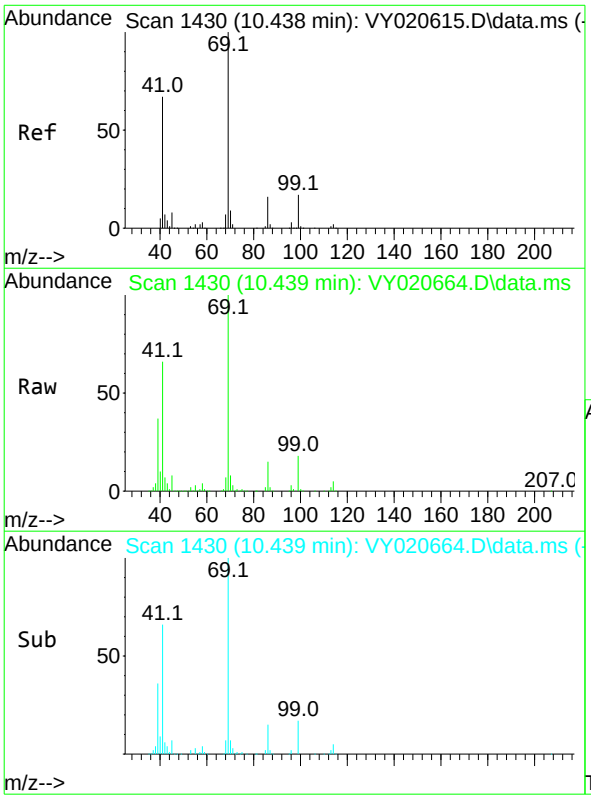
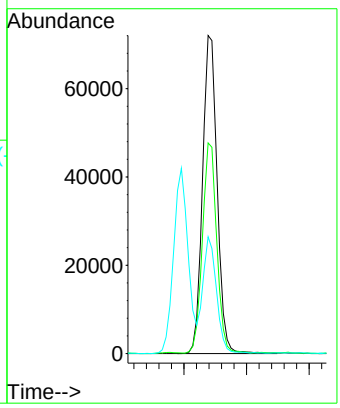
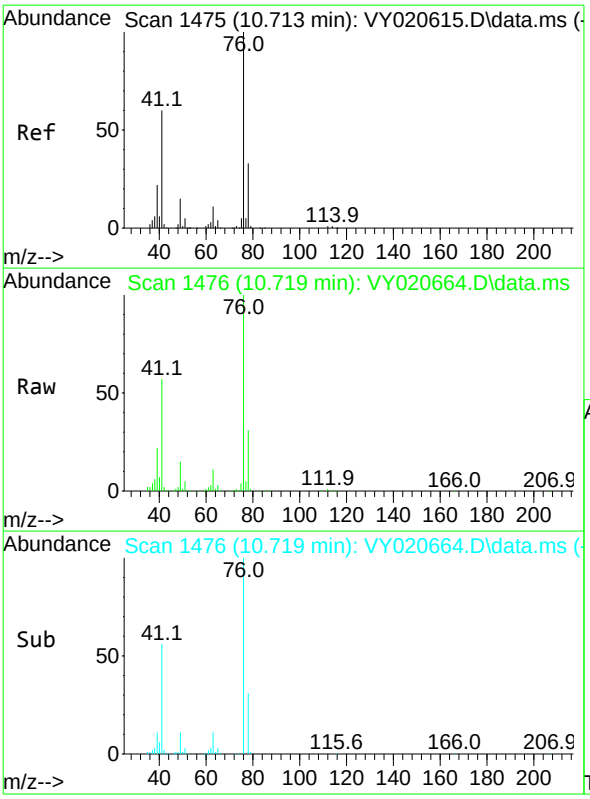


#56
Ethyl methacrylate
Concen: 54.394 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

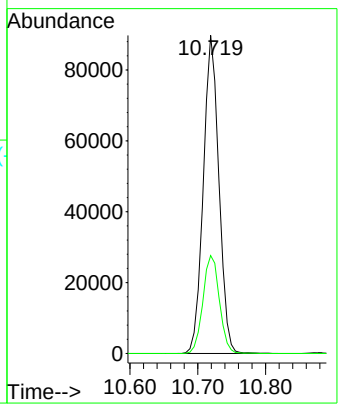




#57
1,3-Dichloropropane
Concen: 54.257 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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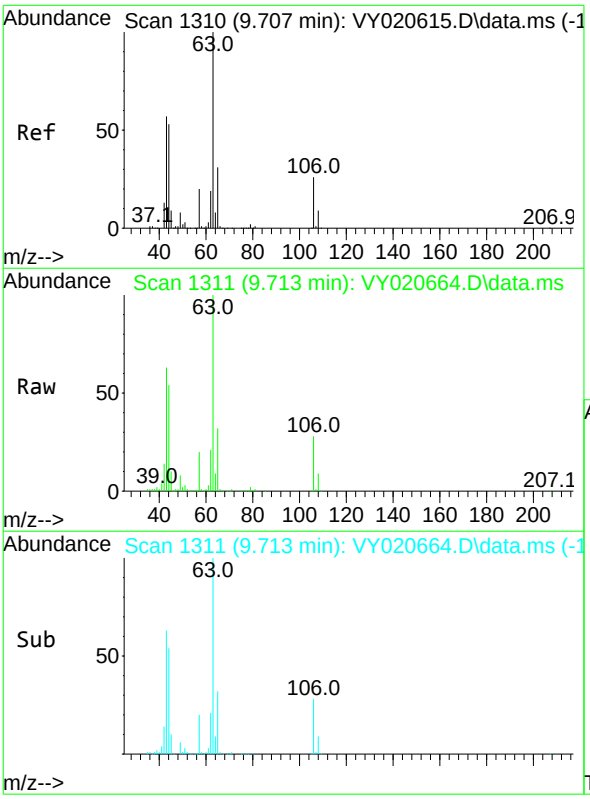
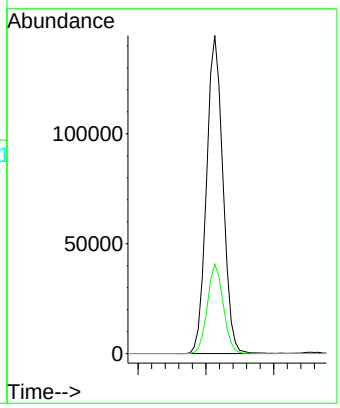
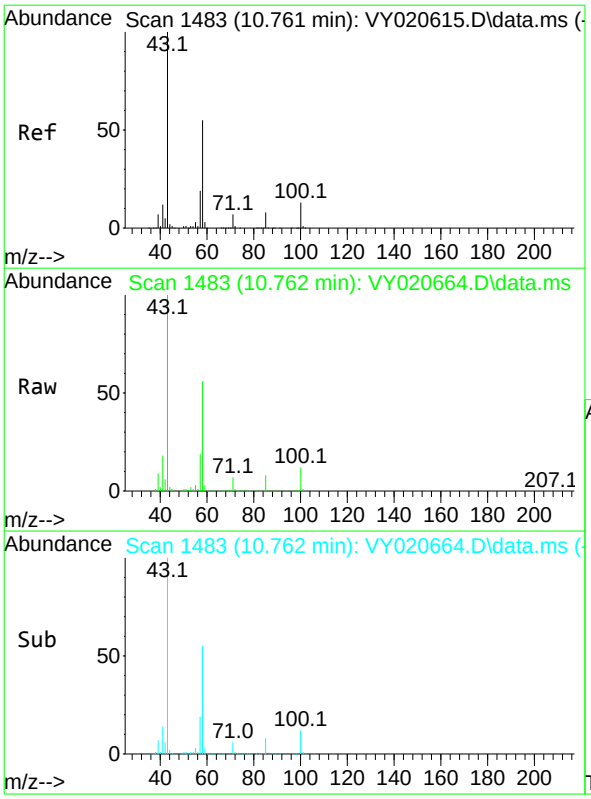


#58
2-Chloroethyl Vinyl ether
Concen: 268.265 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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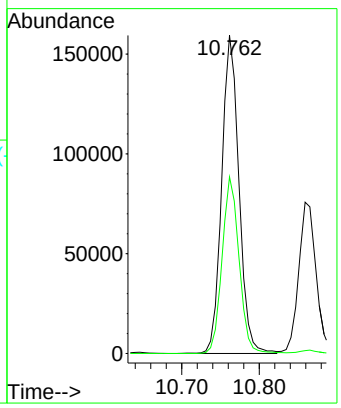
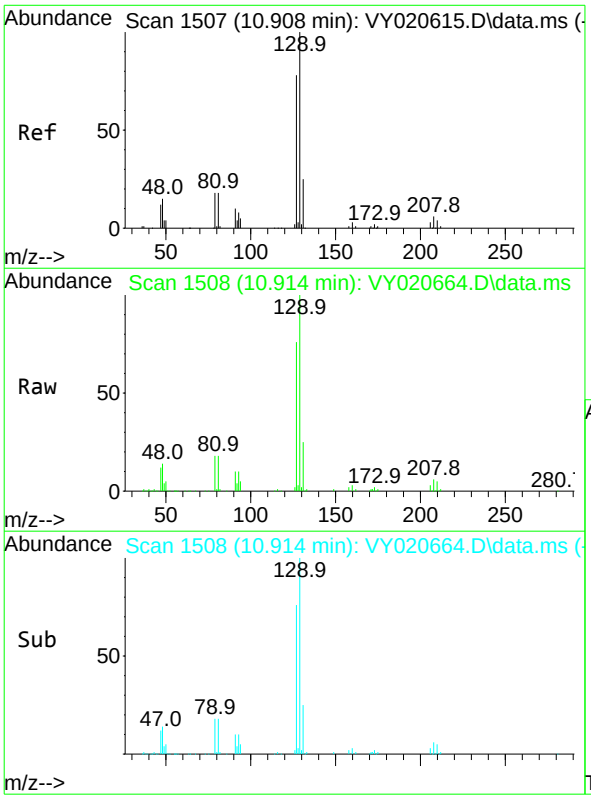
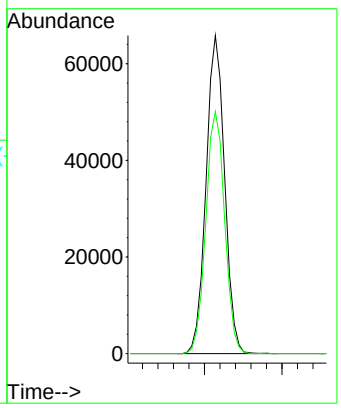


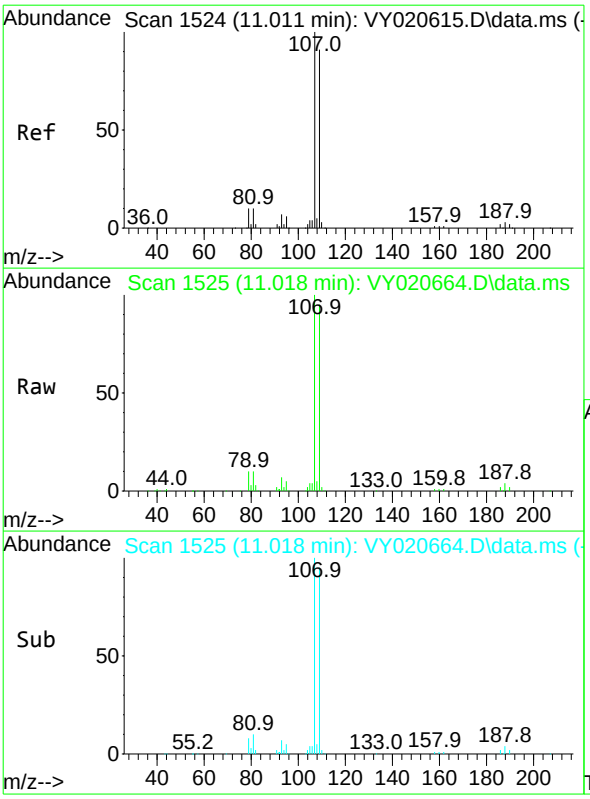


#60
Dibromochloromethane
Concen: 55.226 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:129 Resp: 109346

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3

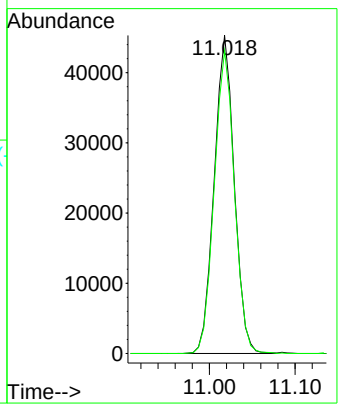




#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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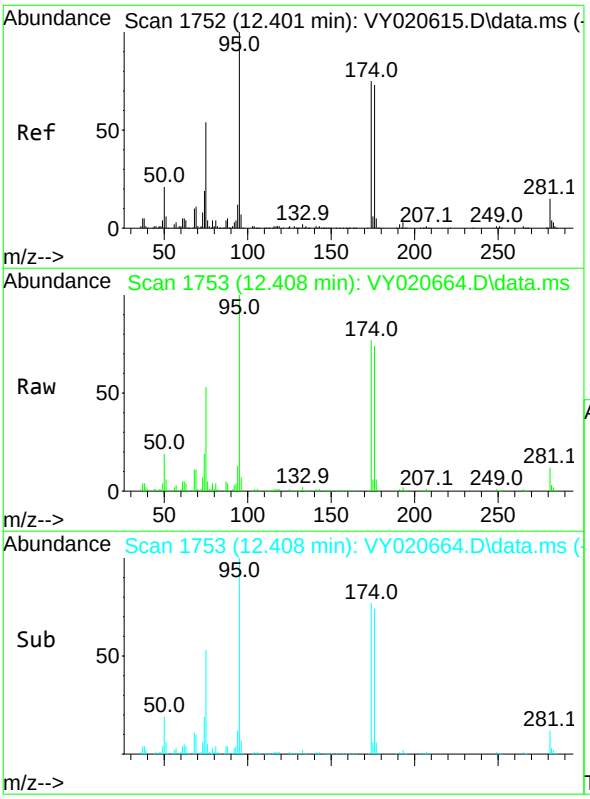
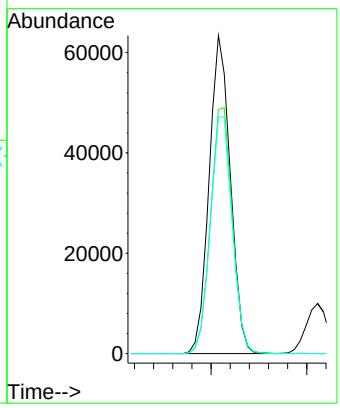
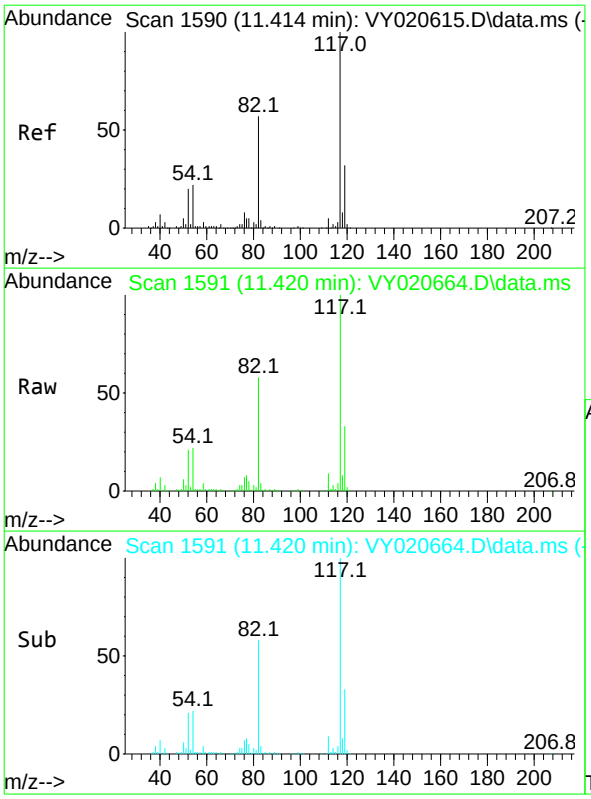


#62
4-Bromofluorobenzene
Concen: 42.036 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

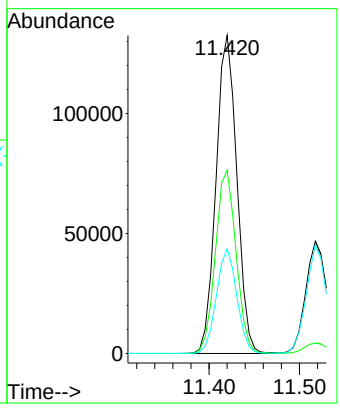




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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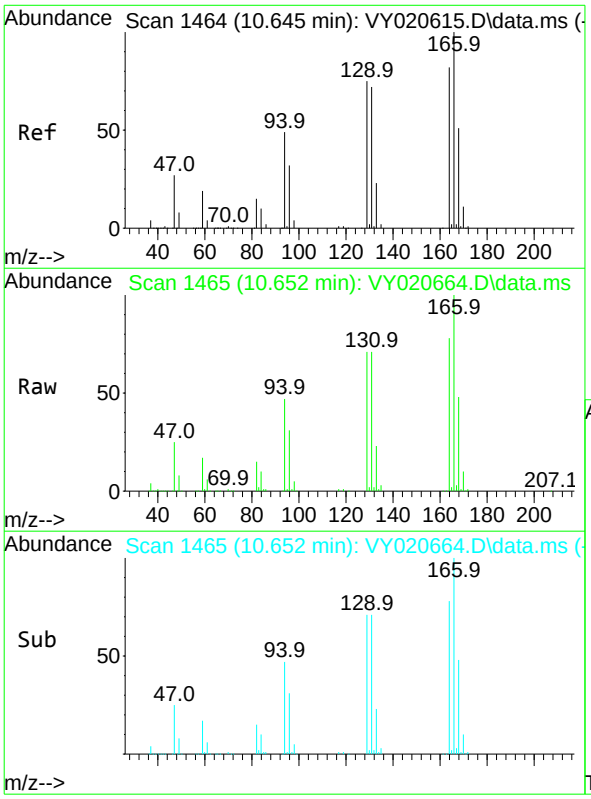
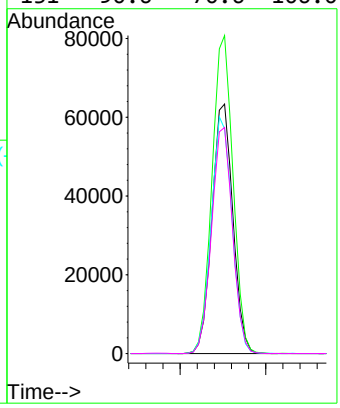
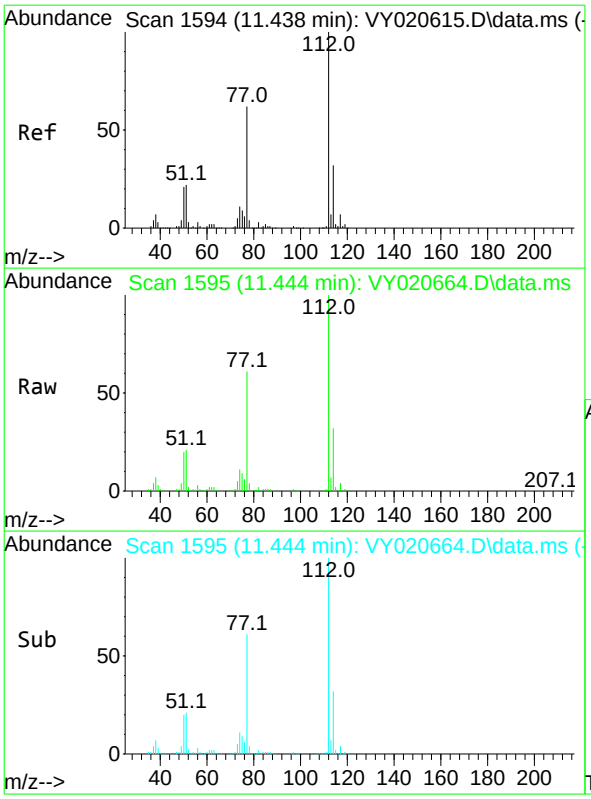


#64
Tetrachloroethene
Concen: 53.958 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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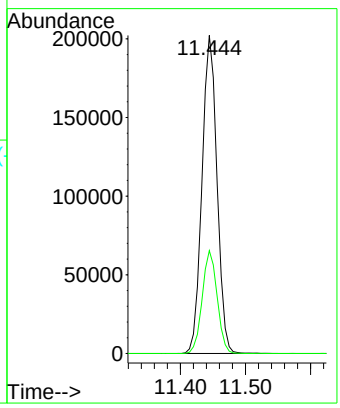
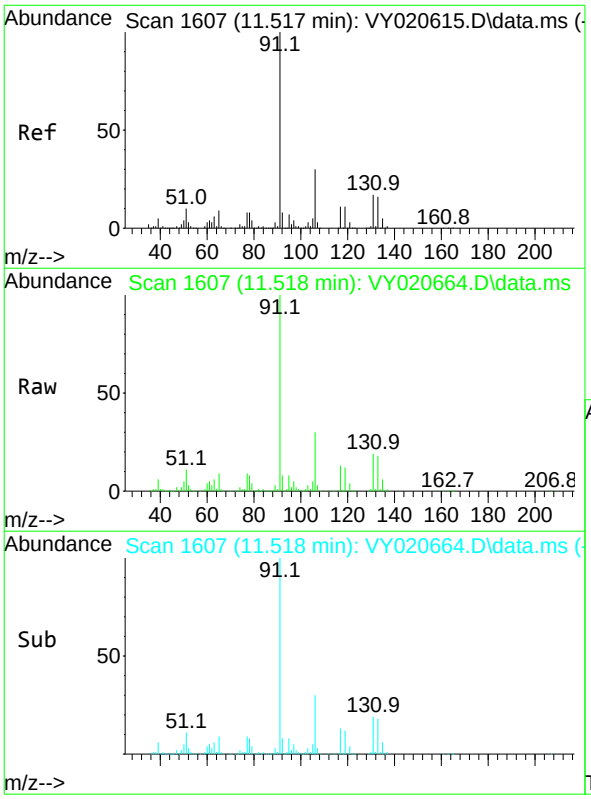
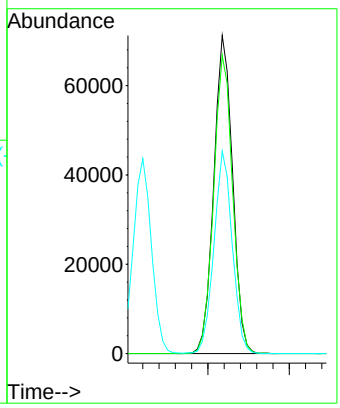


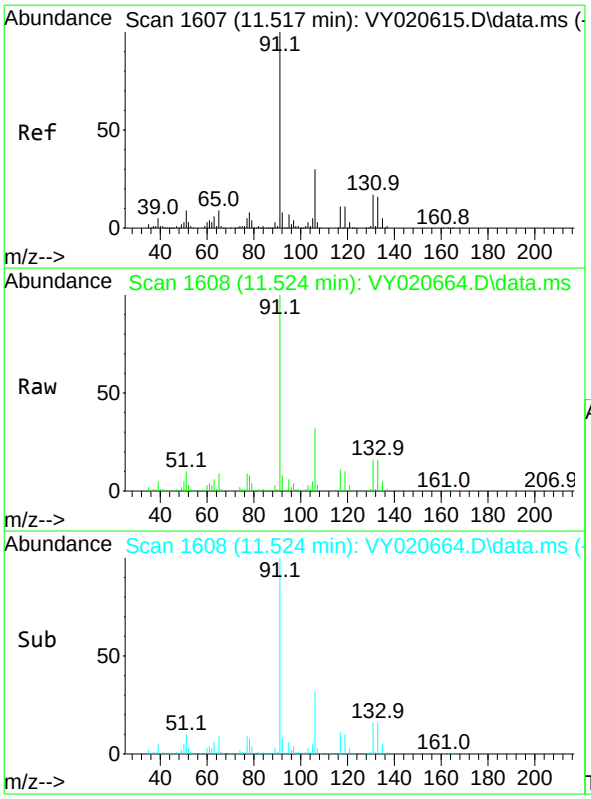


#66
1,1,1,2-Tetrachloroethane
Concen: 56.252 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

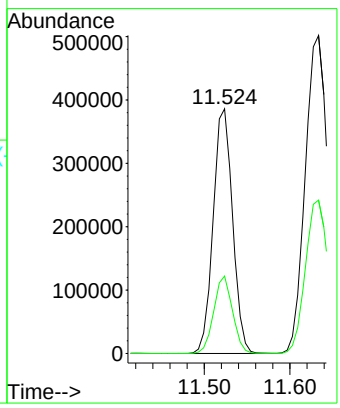




#67
Ethyl Benzene
Concen: 55.519 ug/l
RT: 11.524 min Scan# 16
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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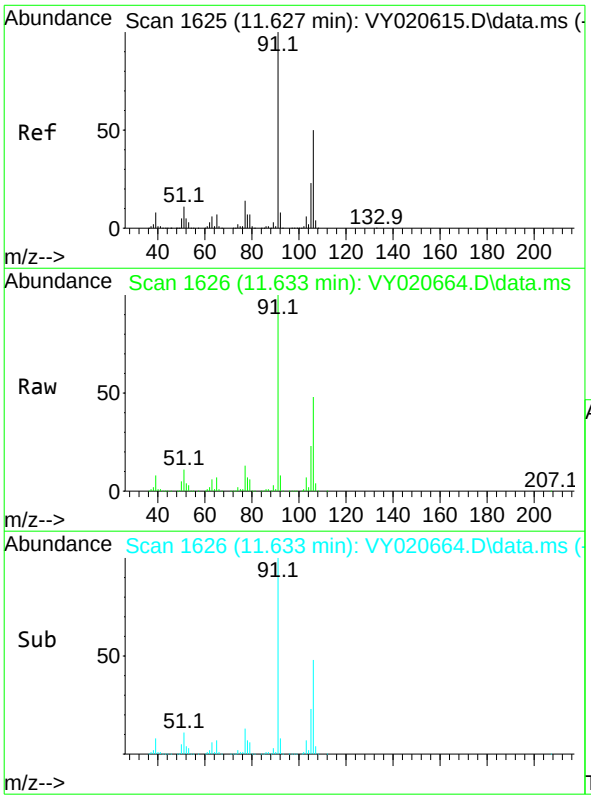
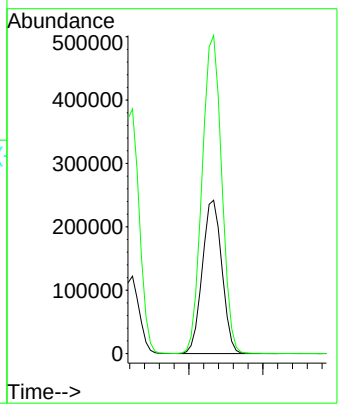
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

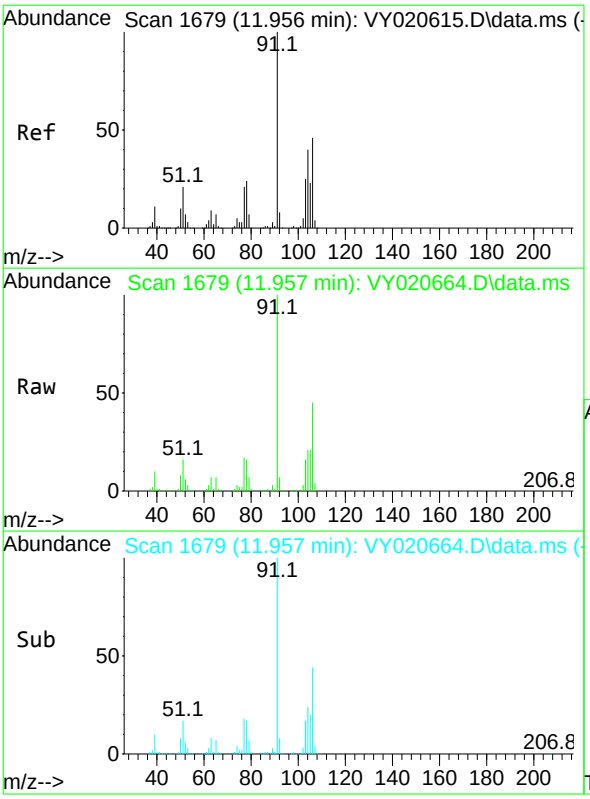


#68
m/p-Xylenes
Concen: 109.344 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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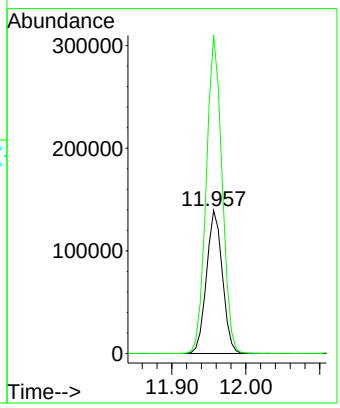
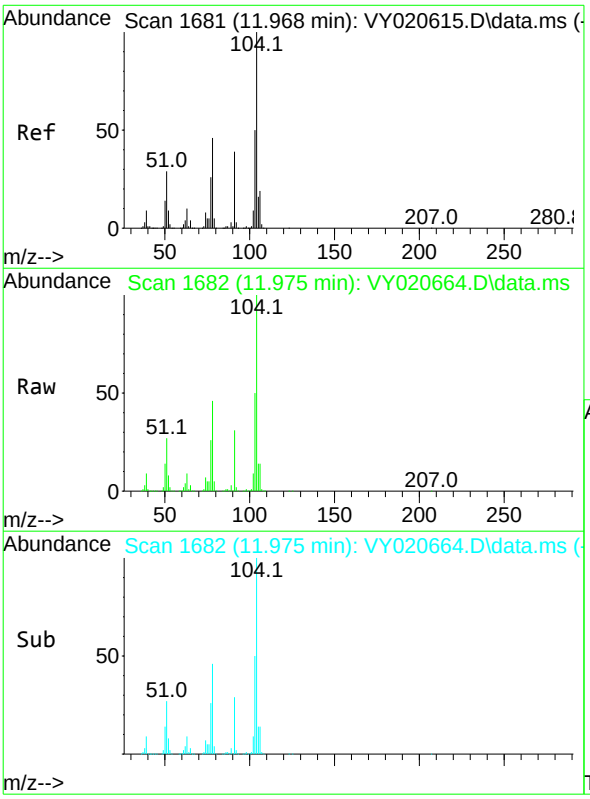
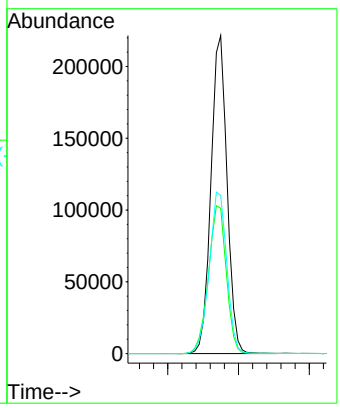


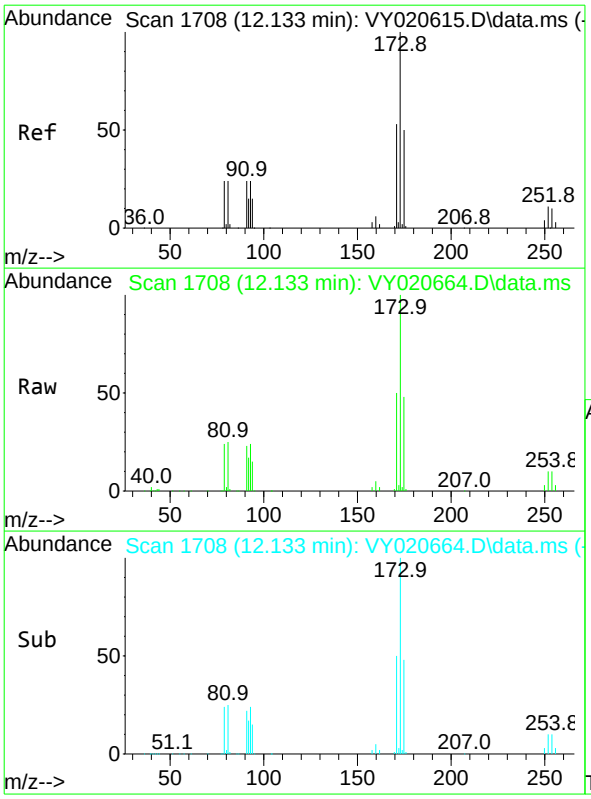


#70
Styrene
Concen: 55.127 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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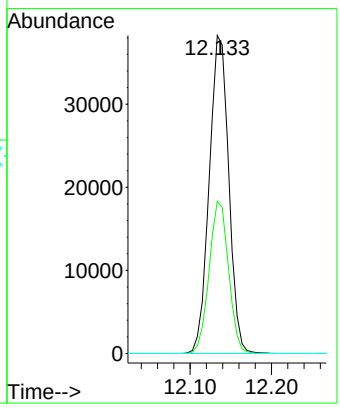
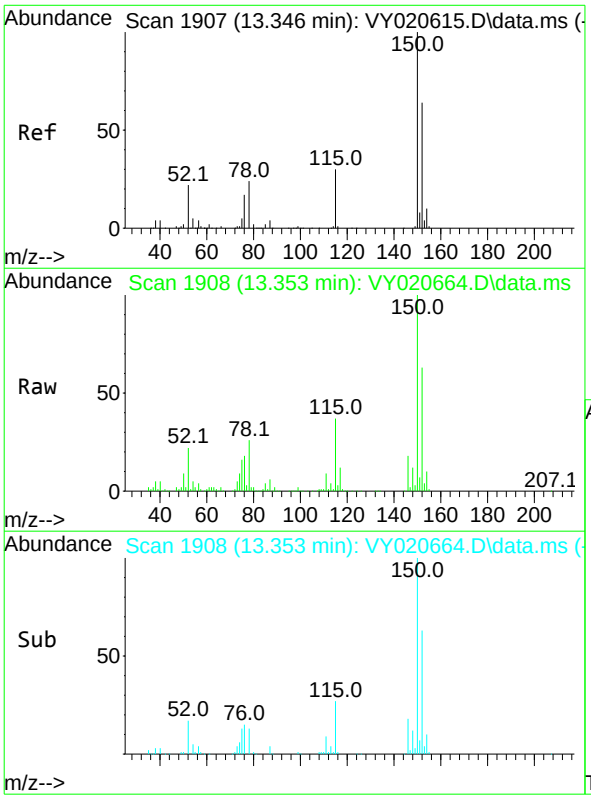
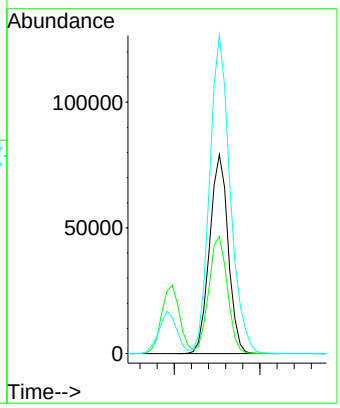


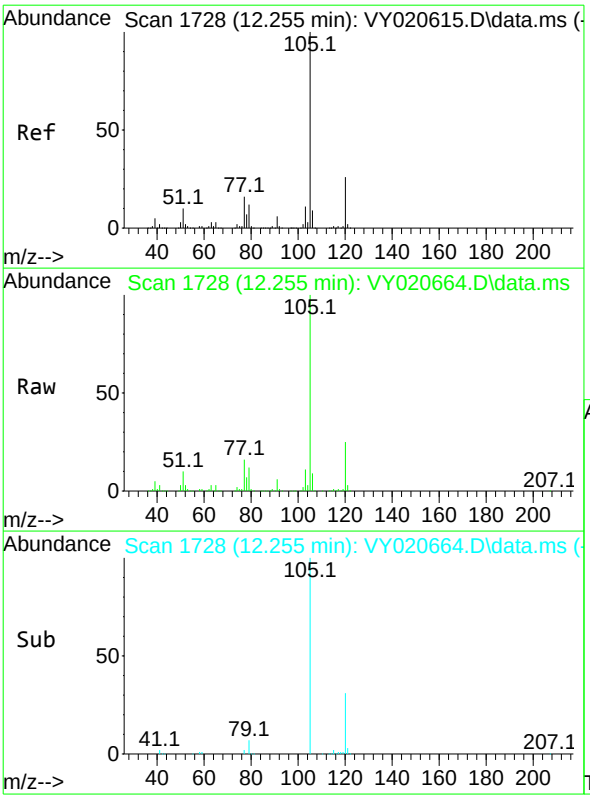


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

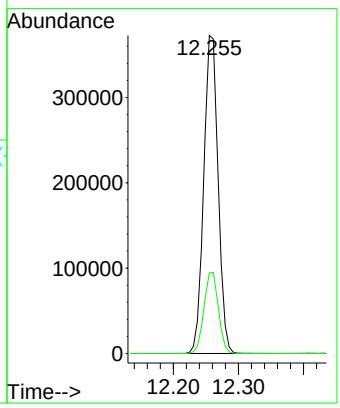




#73
Isopropylbenzene
Concen: 54.823 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 571028

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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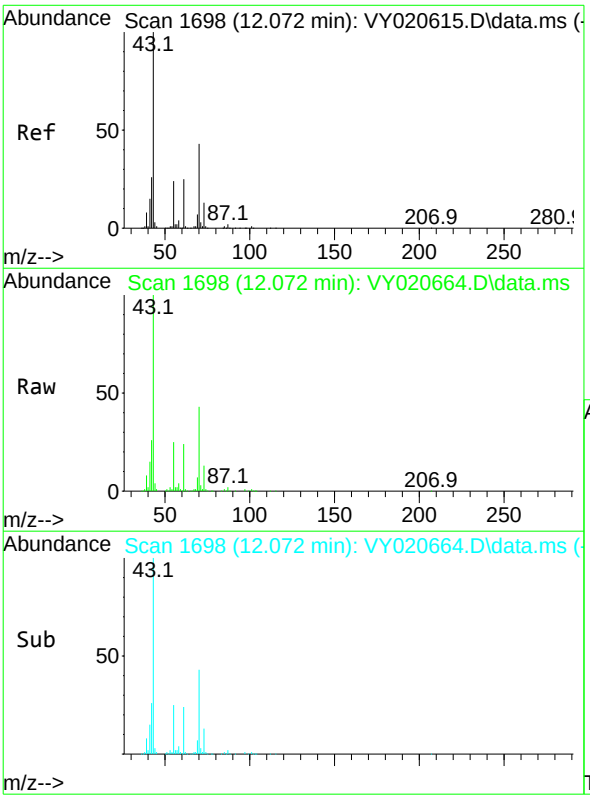
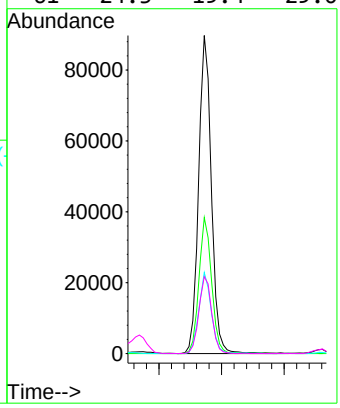
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

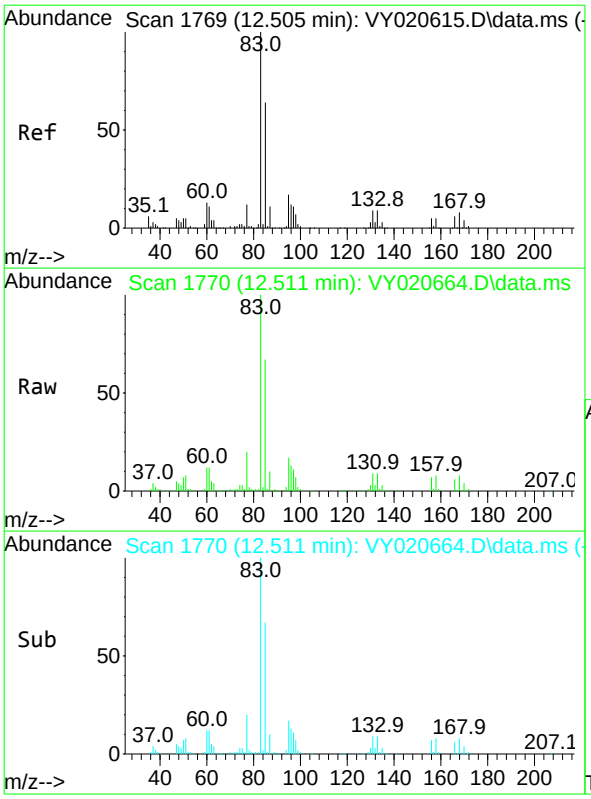


#74
N-amyl acetate
Concen: 52.048 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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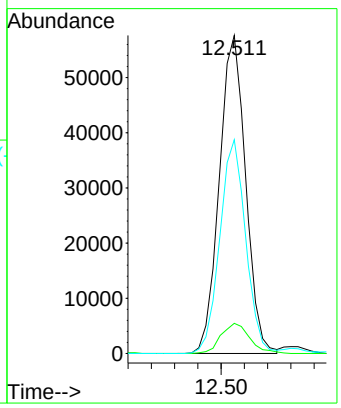
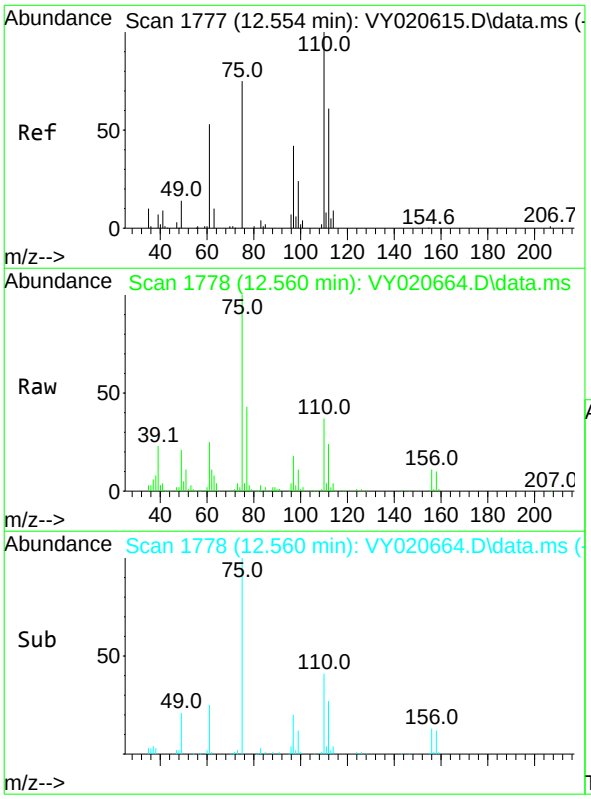
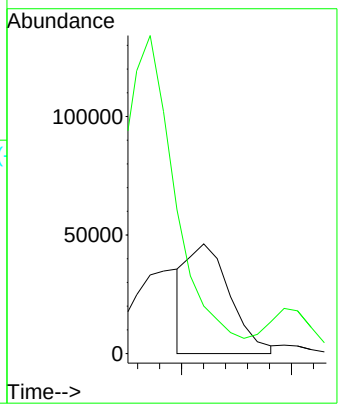


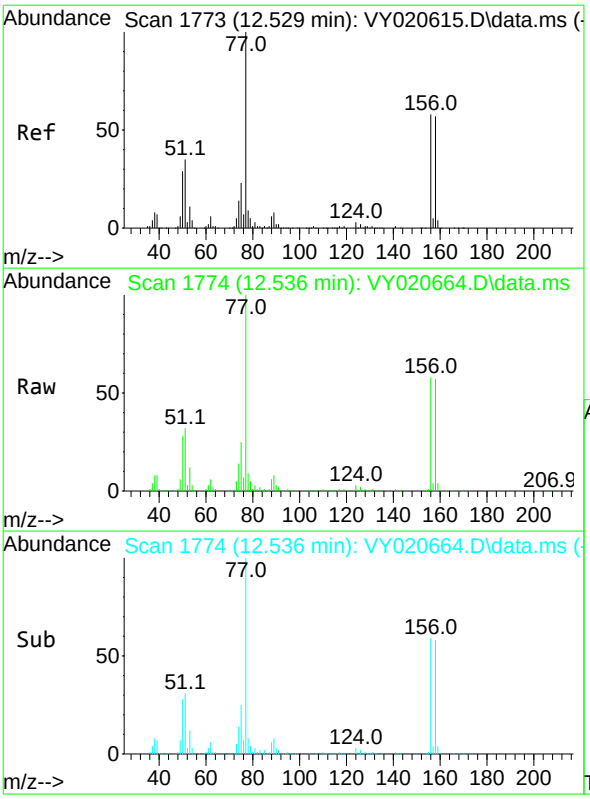


#76
1,2,3-Trichloropropane
Concen: 50.593 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 62731

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

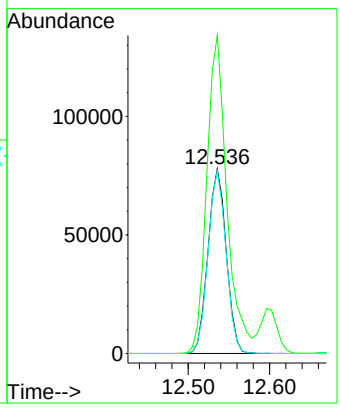




#77
Bromobenzene
Concen: 53.559 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/23/2024
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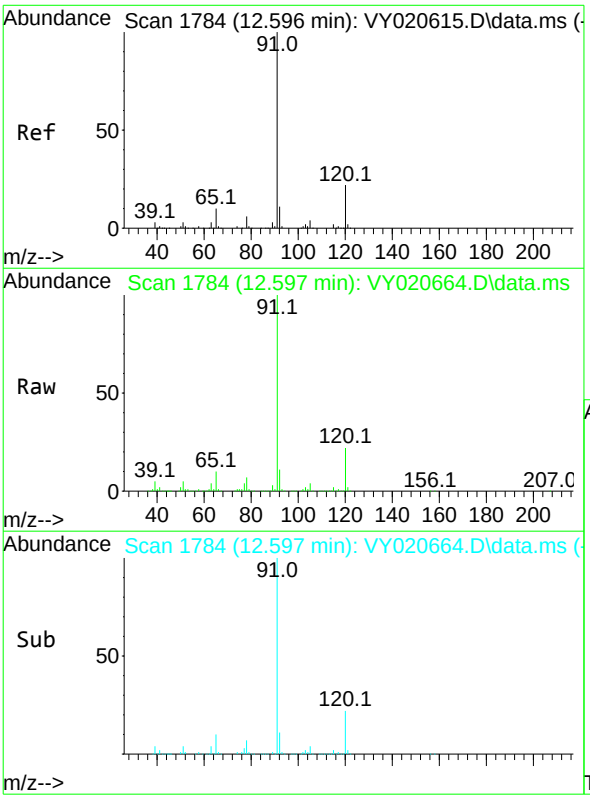
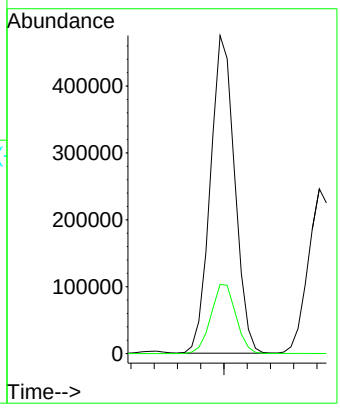
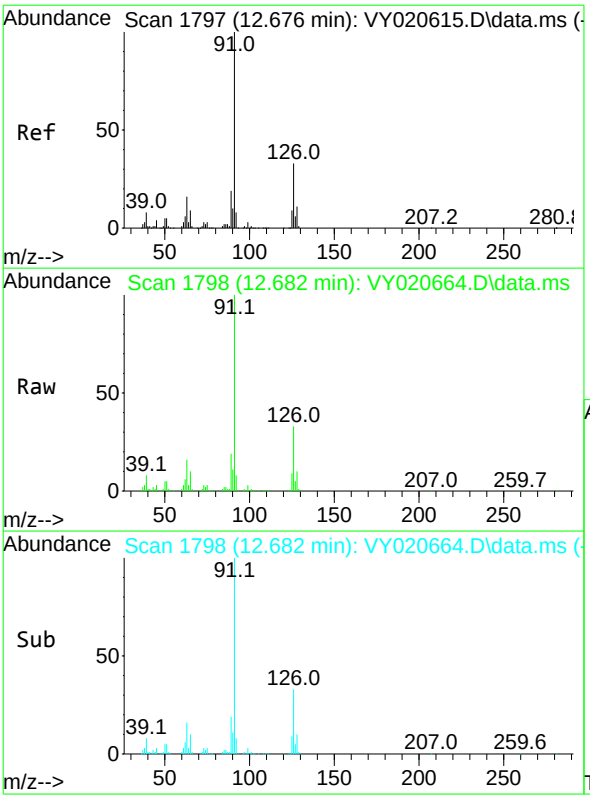


#78
n-propylbenzene
Concen: 55.107 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 691545

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

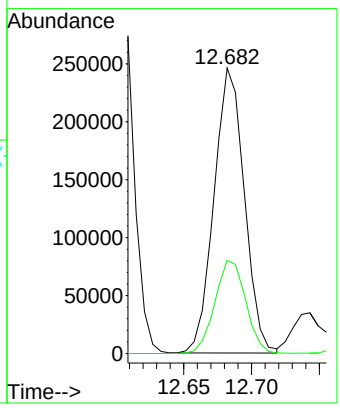




#79
2-Chlorotoluene
Concen: 54.188 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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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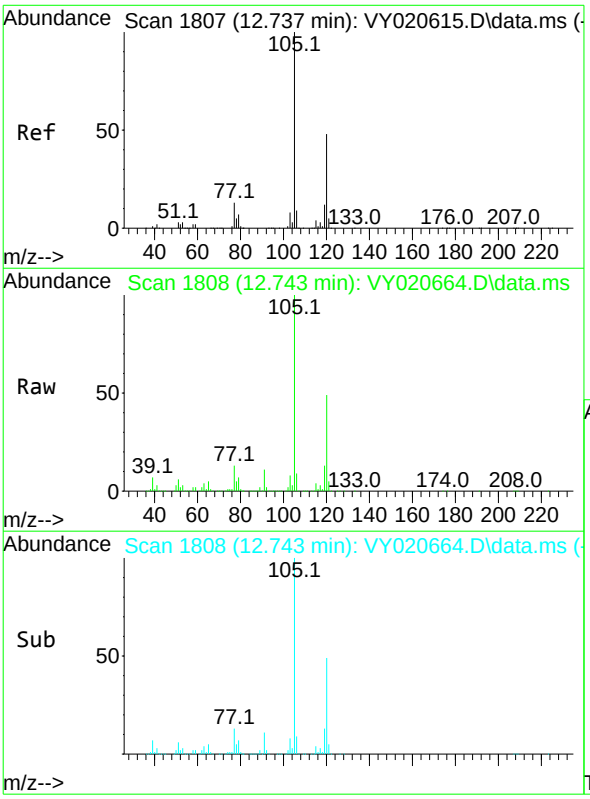
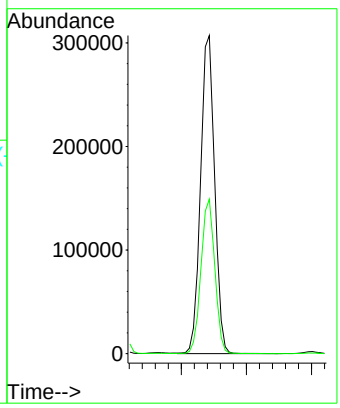
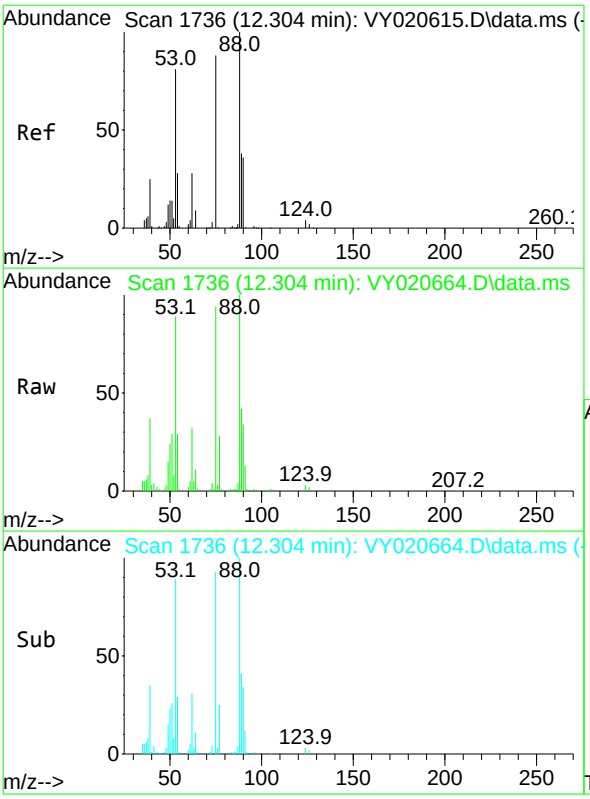


#80
1,3,5-Trimethylbenzene
Concen: 54.473 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

Manual Integrations
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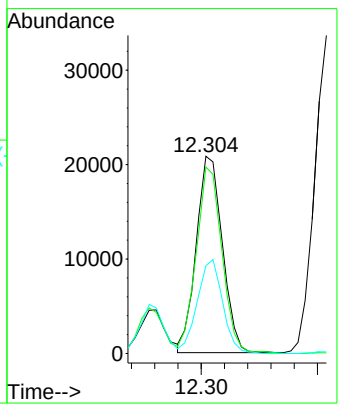
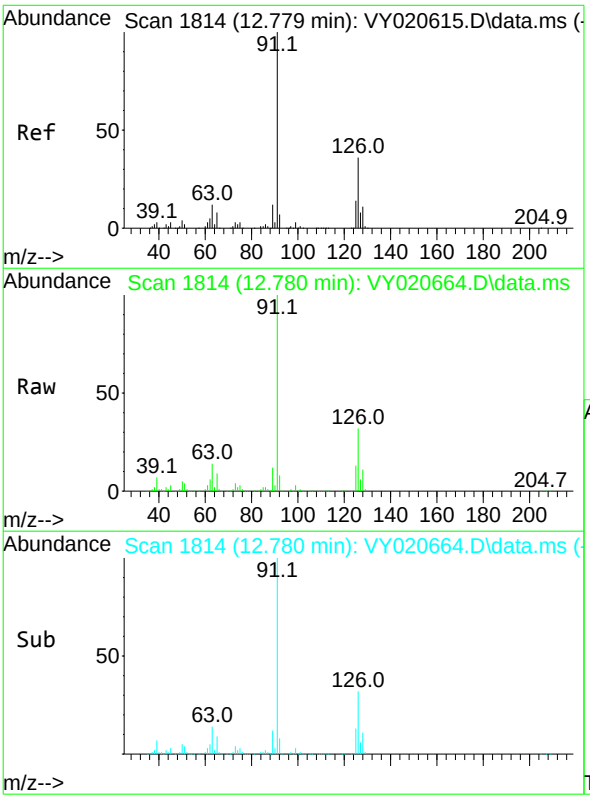
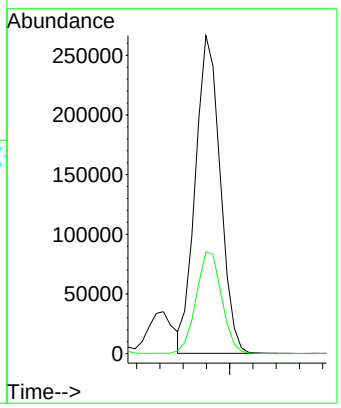


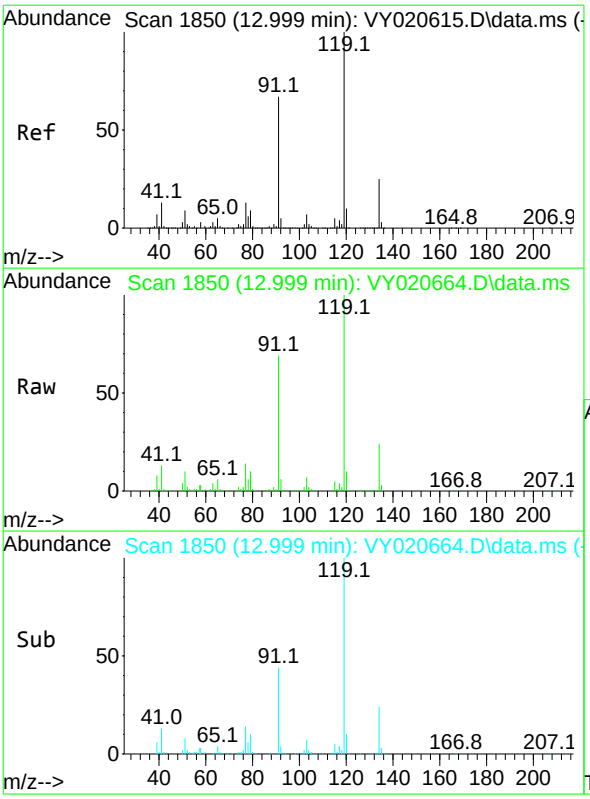


#82
4-Chlorotoluene
Concen: 53.864 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 394546

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

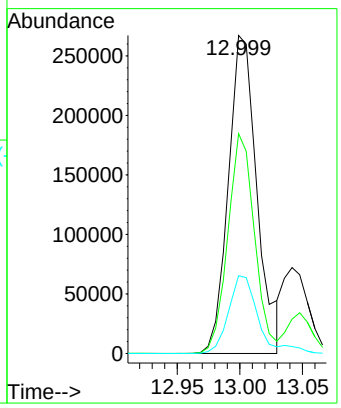




#83
tert-Butylbenzene
Concen: 55.644 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

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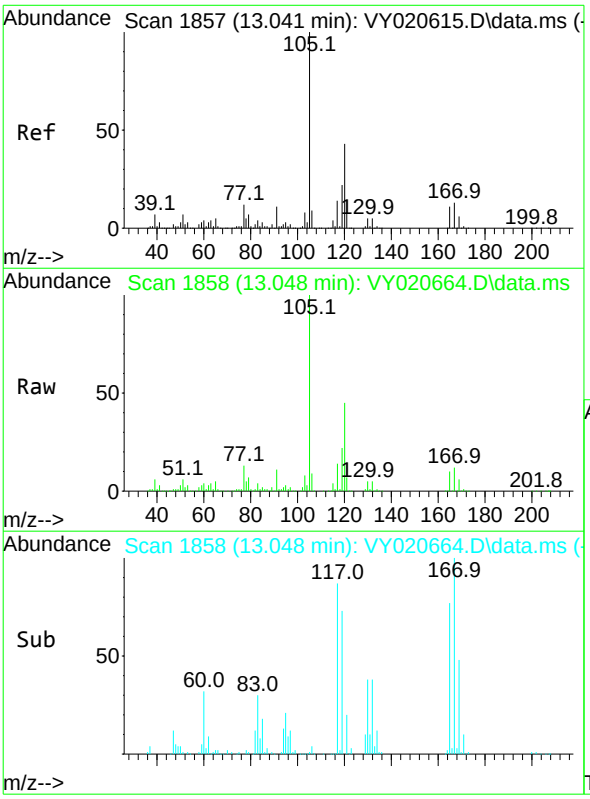
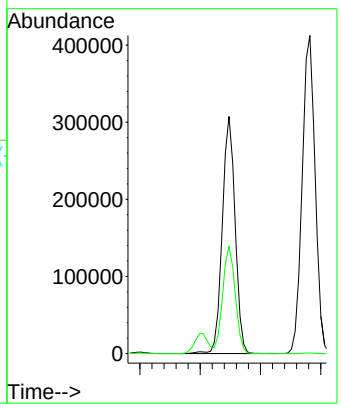
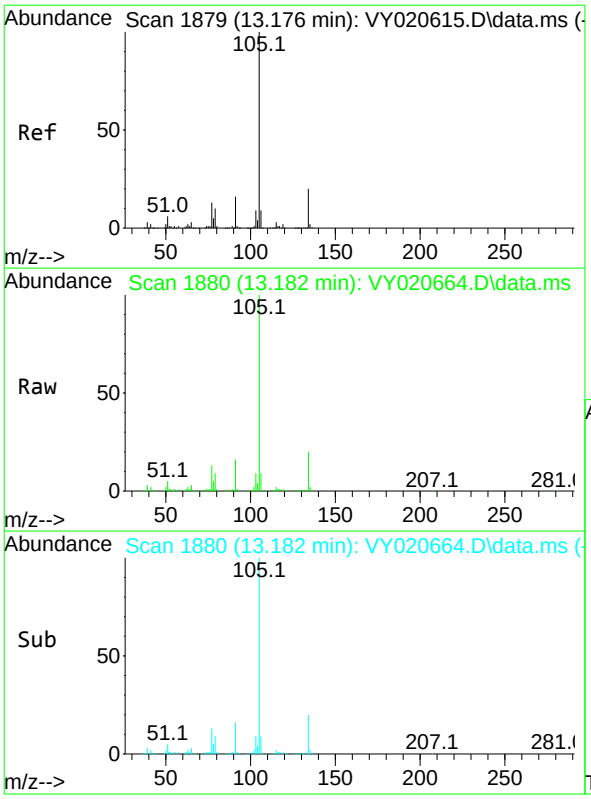


#84
1,2,4-Trimethylbenzene
Concen: 54.789 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 454208

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4

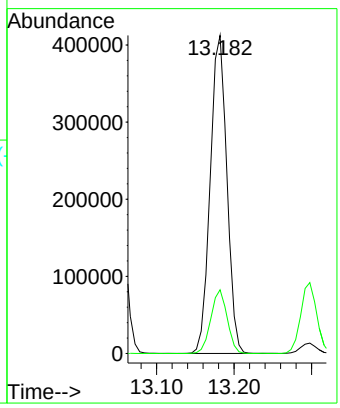




#85
sec-Butylbenzene
Concen: 55.289 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 615306

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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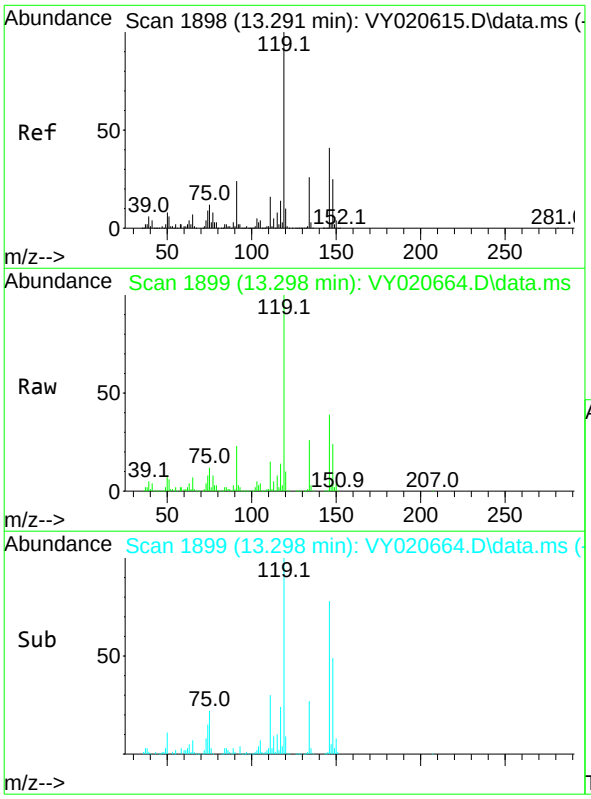
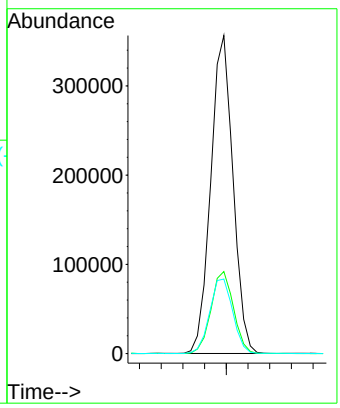
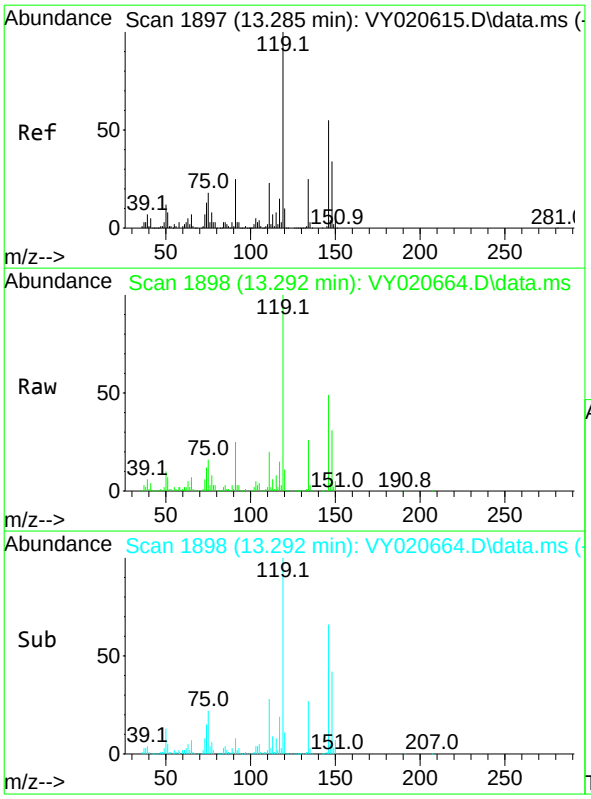


#86
p-Isopropyltoluene
Concen: 55.299 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

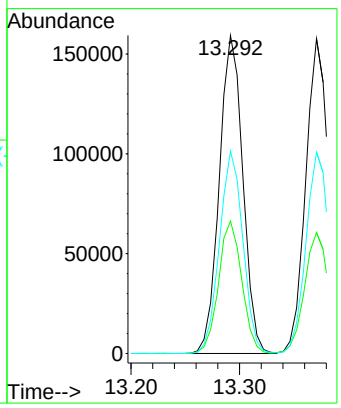




#87
1,3-Dichlorobenzene
Concen: 53.623 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 240167

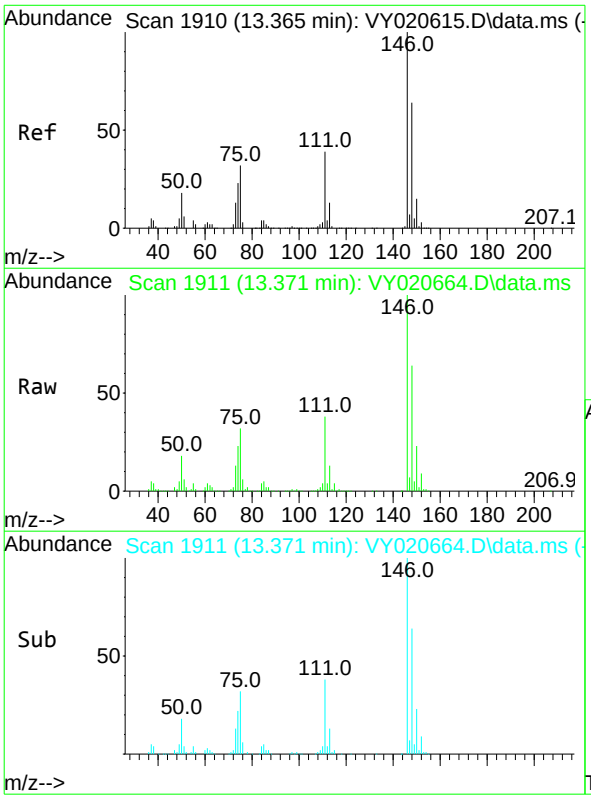
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	63.3	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

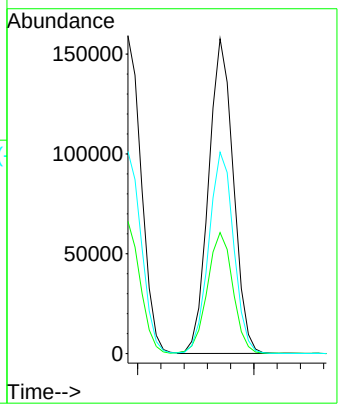
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

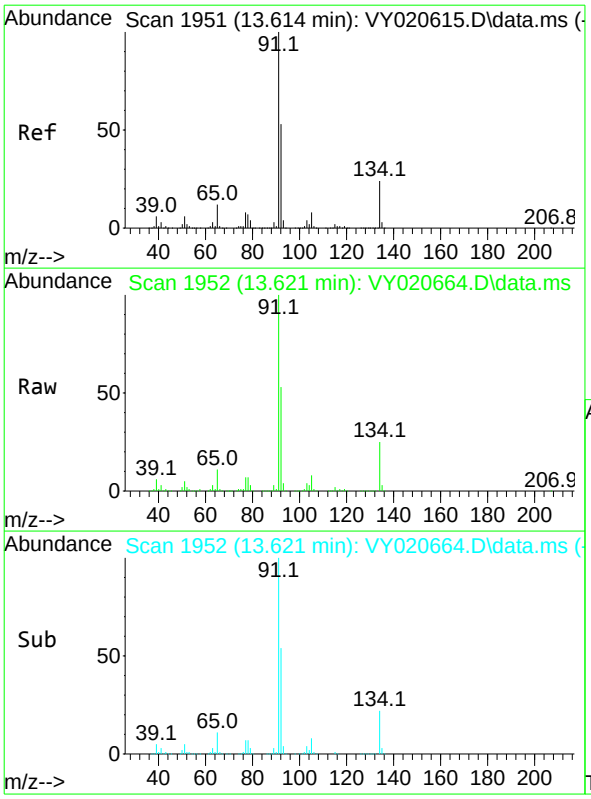


#88
1,4-Dichlorobenzene
Concen: 52.643 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

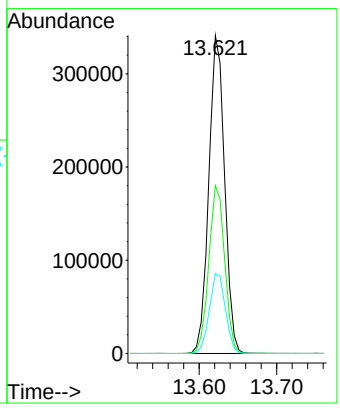




#89
n-Butylbenzene
Concen: 55.471 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 482377

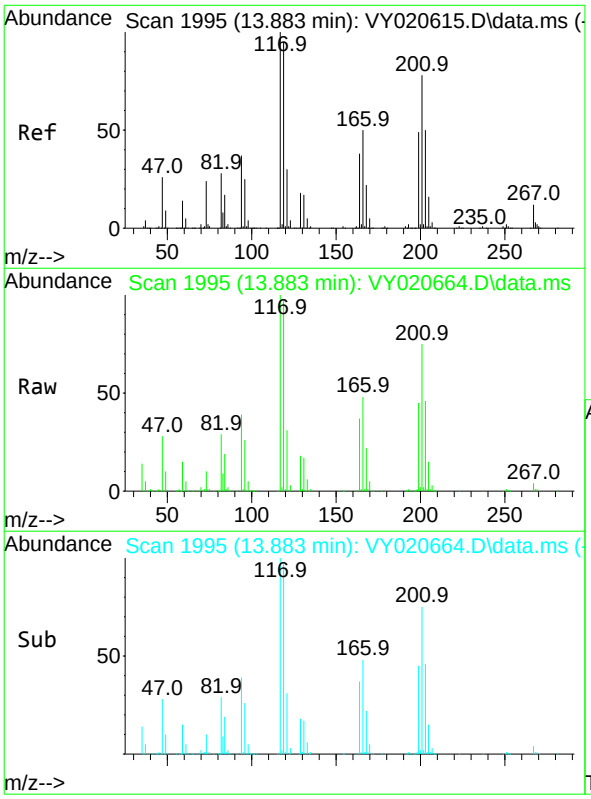
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.6	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

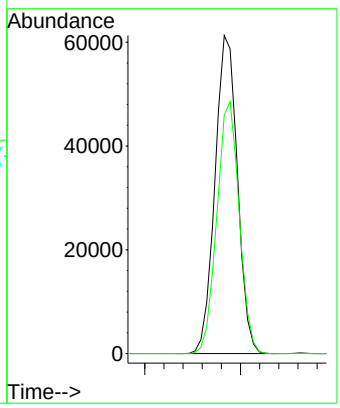
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

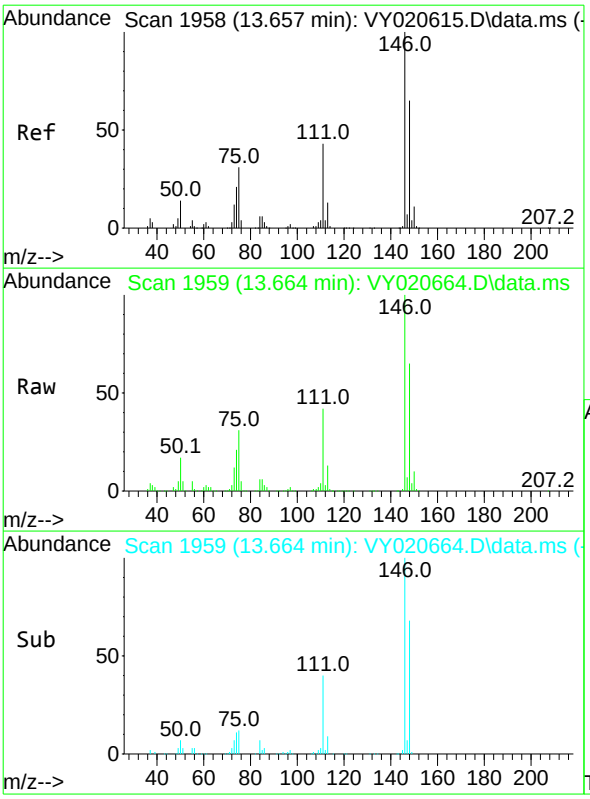


#90
Hexachloroethane
Concen: 54.904 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 99835

Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.1	117.3

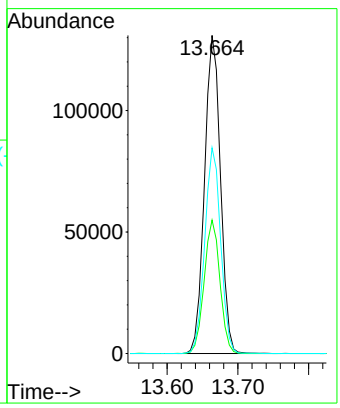




#91
1,2-Dichlorobenzene
Concen: 52.844 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 205065

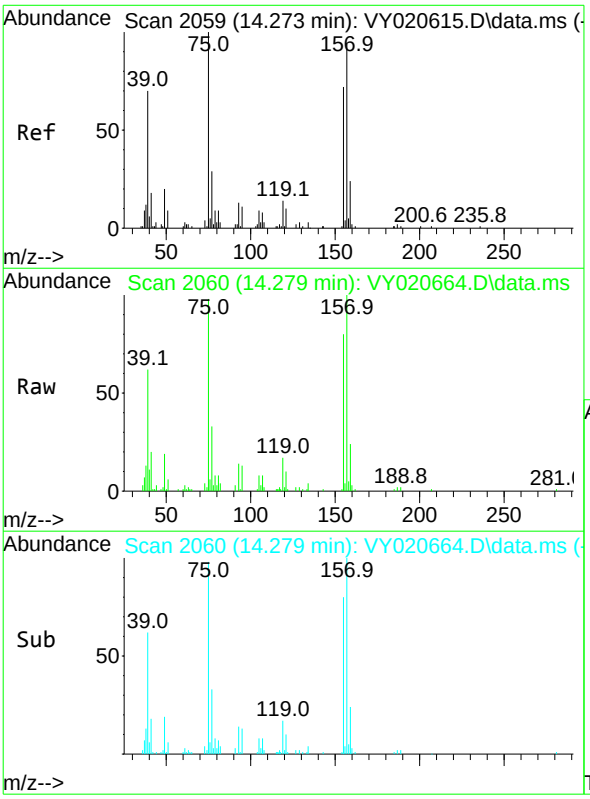
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

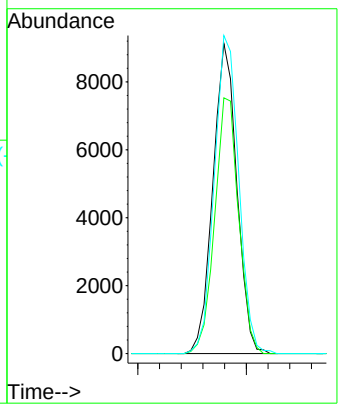
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

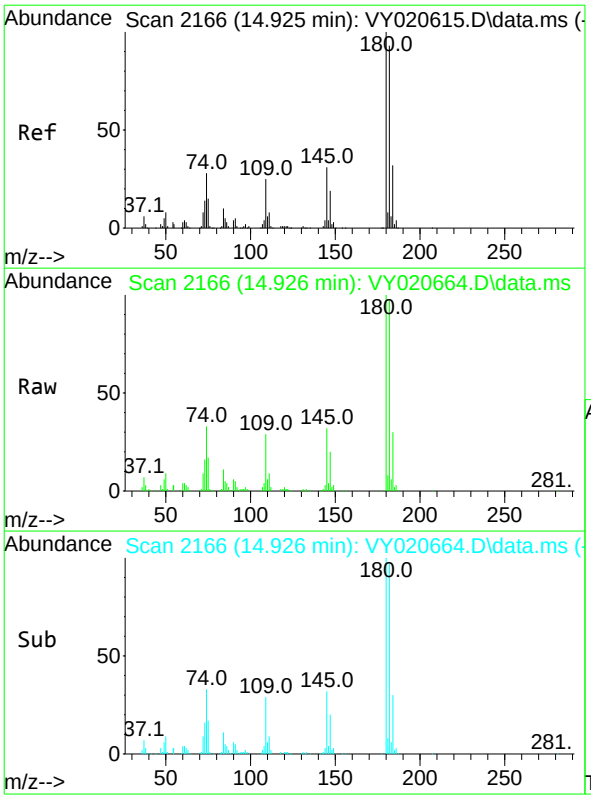


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.926 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

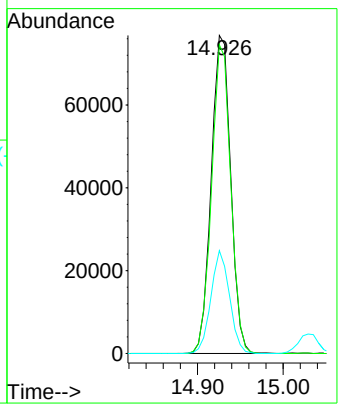
Tgt Ion:180 Resp: 121126

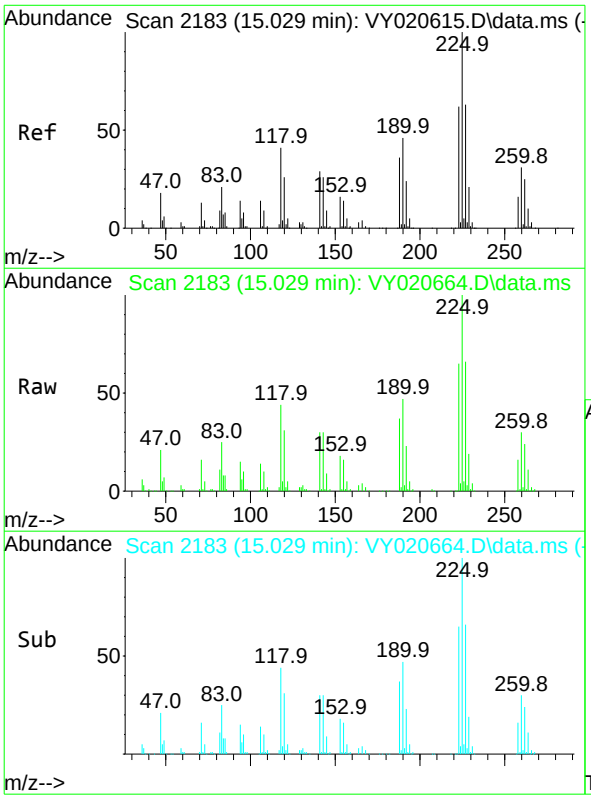
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	31.0	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

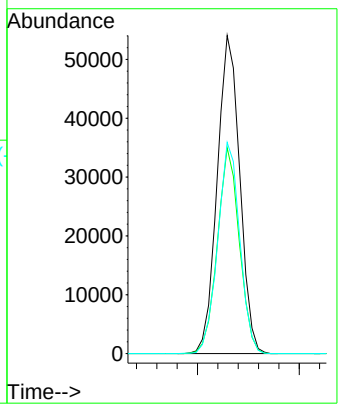


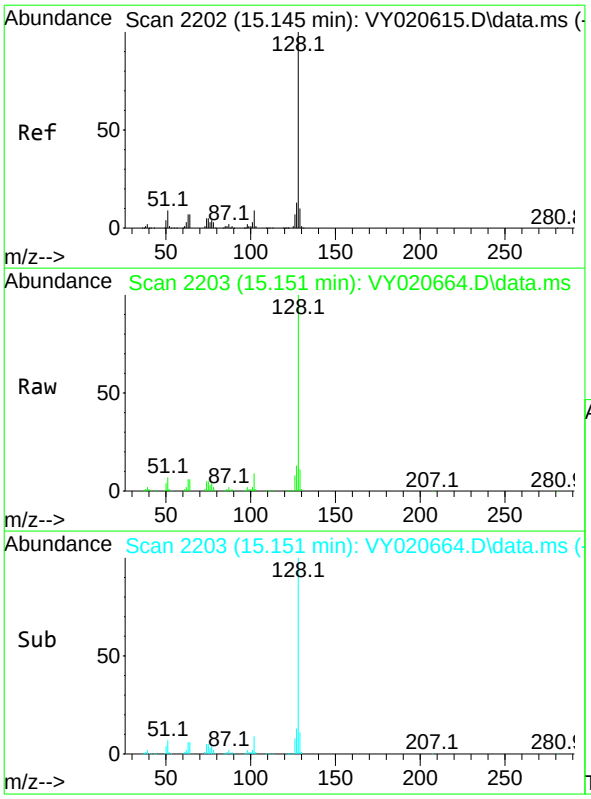


#94
Hexachlorobutadiene
Concen: 54.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

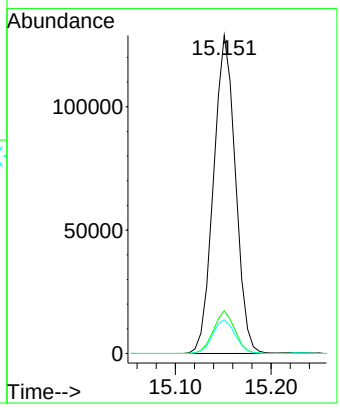




#95
Naphthalene
Concen: 50.926 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:128 Resp: 204937

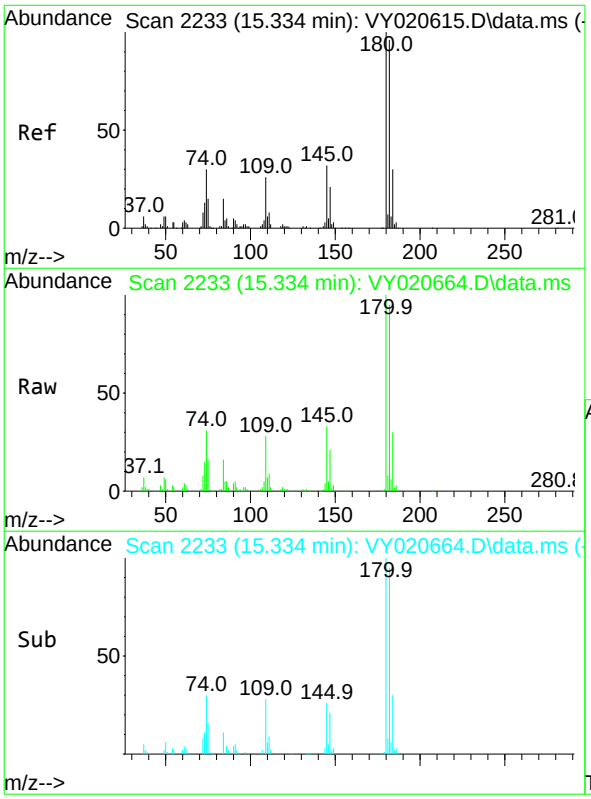
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

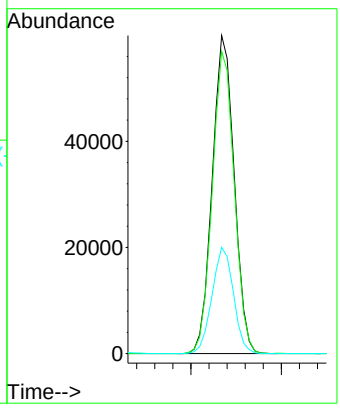
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#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**

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)
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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Dichlorodifluoromethane	0.625	0.568		-9.12	50
Chloromethane	0.463	0.410	0.1	-11.45	50
Vinyl Chloride	0.431	0.262		-39.21	50
Bromomethane	0.277	0.190		-31.41	50
Chloroethane	0.266	0.166		-37.59	50
Tetrahydrofuran	0.128	0.138		7.81	50
Trichlorofluoromethane	0.901	0.677		-24.86	50
1,1,2-Trichlorotrifluoroethane	0.646	0.506		-21.67	50
1,1-Dichloroethene	0.627	0.500		-20.25	50
Acrylonitrile	0.151	0.159		5.3	50
Acetone	0.125	0.087		-30.4	50
Carbon Disulfide	2.040	1.675		-17.89	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
2,2-Dichloropropane	1.235	1.127		-8.74	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
1,1-Dichloropropene	0.643	0.626		-2.64	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
1,2-Dichloropropane	0.440	0.457		3.86	50
Dibromomethane	0.233	0.245		5.15	50
Bromodichloromethane	0.628	0.662		5.41	50
4-Methyl-2-Pentanone	0.302	0.308		1.99	50
Toluene	1.170	1.198		2.39	50
t-1,3-Dichloropropene	0.586	0.609		3.92	50
cis-1,3-Dichloropropene	0.694	0.716		3.17	50
1,1,2-Trichloroethane	0.308	0.321		4.22	50
1,3-Dichloropropane	0.548	0.576		5.11	50
2-Hexanone	0.194	0.206		6.19	50
Dibromochloromethane	0.411	0.438		6.57	50
1,2-Dibromoethane	0.286	0.299		4.55	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

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
Tetrachloroethene	0.470	0.443		-5.74	50
Chlorobenzene	1.398	1.409	0.3	0.79	50
1,1,1,2-Tetrachloroethane	0.478	0.489		2.3	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
Styrene	1.495	1.505		0.67	50
Bromoform	0.269	0.279	0.1	3.72	50
Isopropylbenzene	4.363	4.137		-5.18	50
1,1,2,2-Tetrachloroethane	0.708	0.725	0.3	2.4	50
1,2,3-Trichloropropane	0.519	0.532		2.51	50
Bromobenzene	0.950	0.943		-0.74	50
n-propylbenzene	5.257	4.958		-5.69	50
2-Chlorotoluene	2.958	2.857		-3.41	50
1,3,5-Trimethylbenzene	3.540	3.377		-4.61	50
4-Chlorotoluene	3.068	2.936		-4.3	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
p-Isopropyltoluene	3.844	3.639		-5.33	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-Dibromo-3-Chloropropane	0.115	0.109		-5.22	50
1,2,4-Trichlorobenzene	0.983	0.941		-4.27	50
Hexachlorobutadiene	0.643	0.621		-3.42	50
1,2,3-Trichlorobenzene	0.831	0.813		-2.17	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
trans-1,4-Dichloro-2-butene	0.247	0.247		0	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\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

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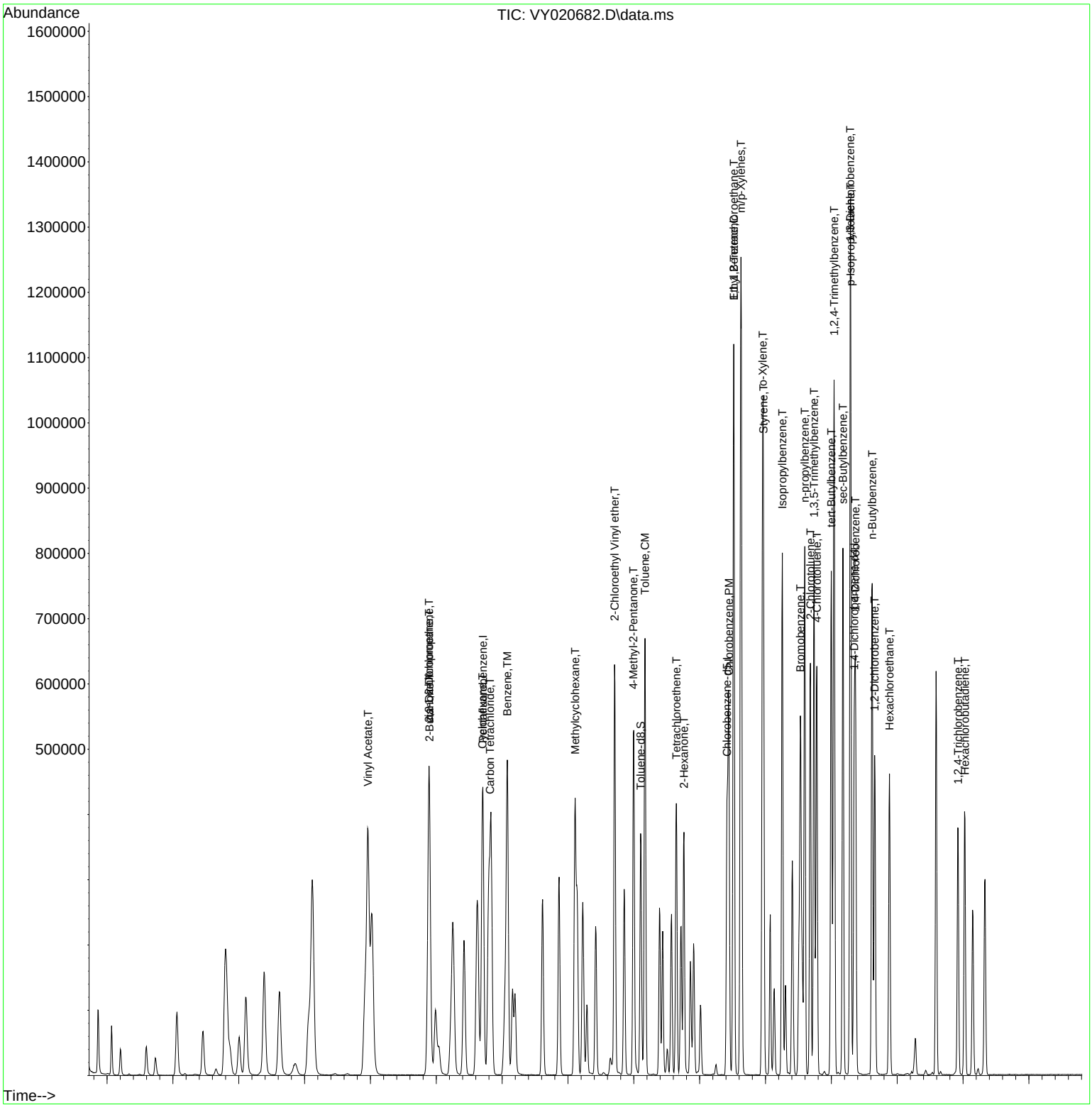
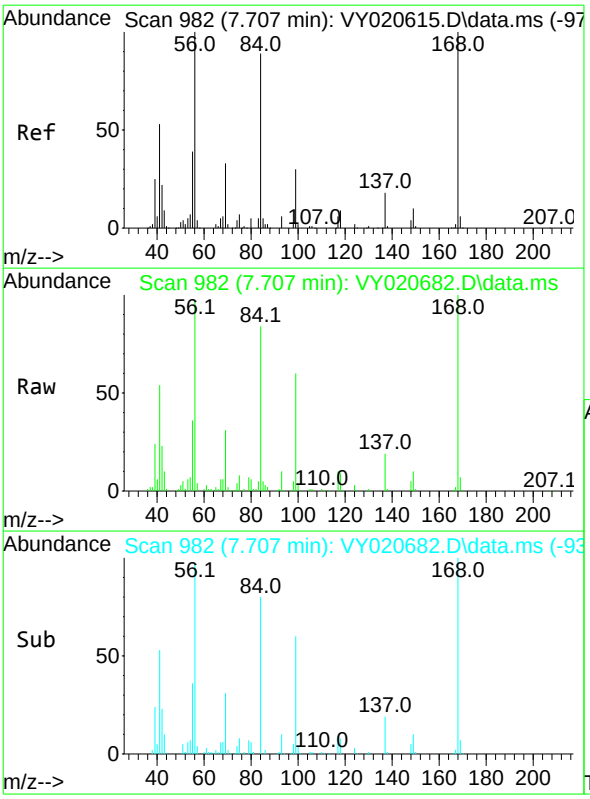
Supervised By :Mahesh Dadoda 12/24/2024

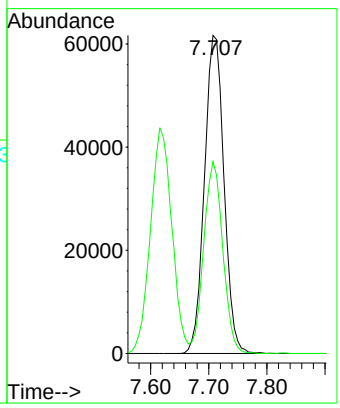




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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
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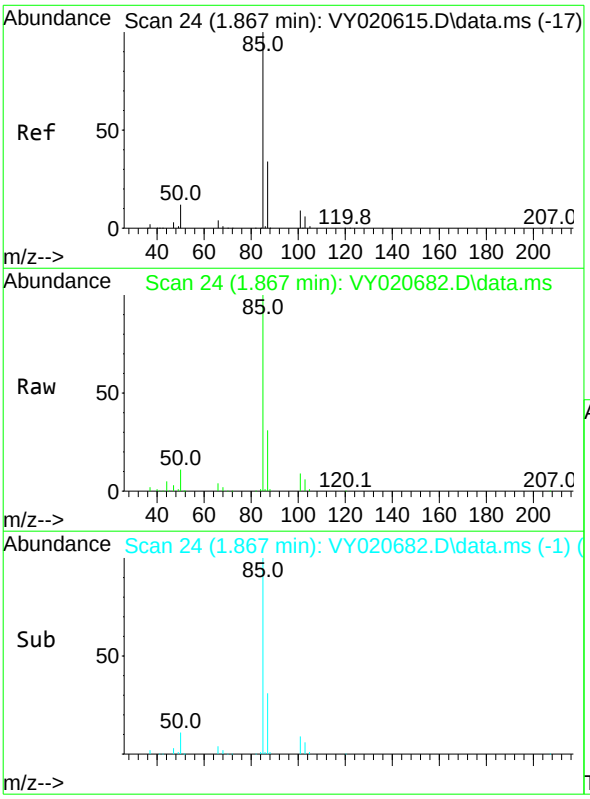
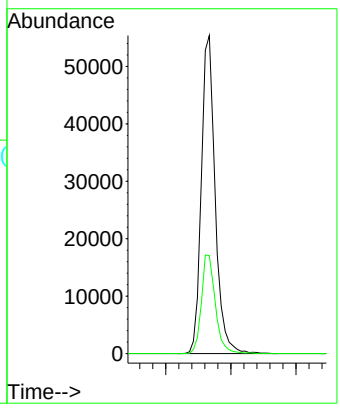
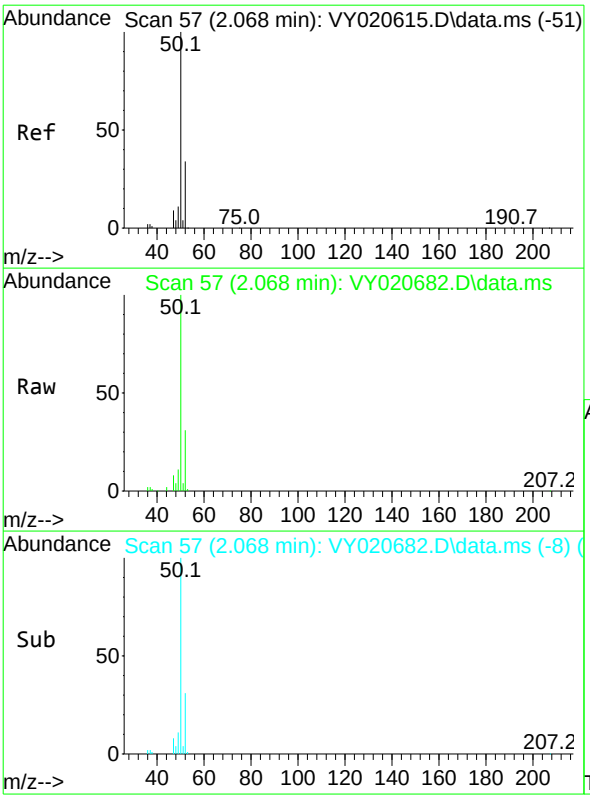


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 85 Resp: 81747

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.8	50.3

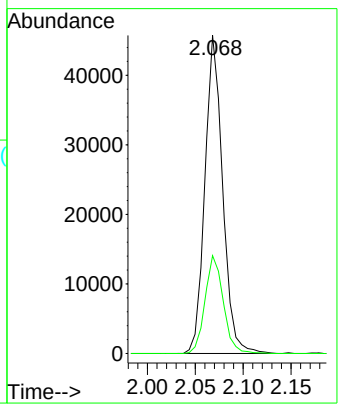




#3
Chloromethane
Concen: 44.285 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 50 Resp: 58949

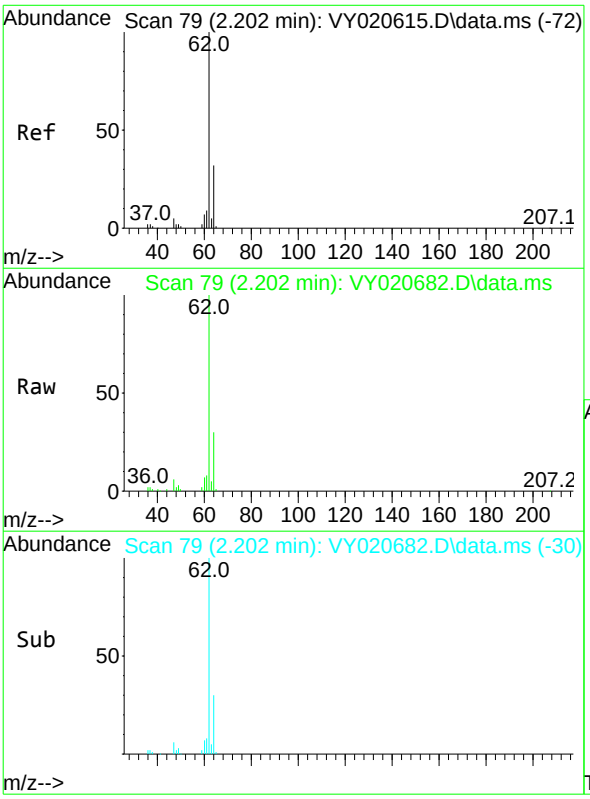
Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

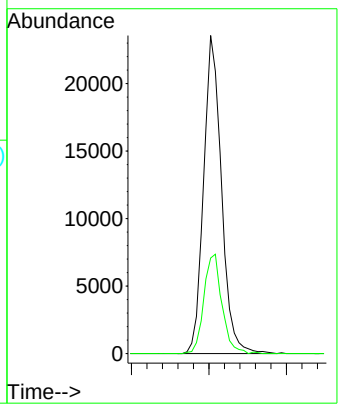
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

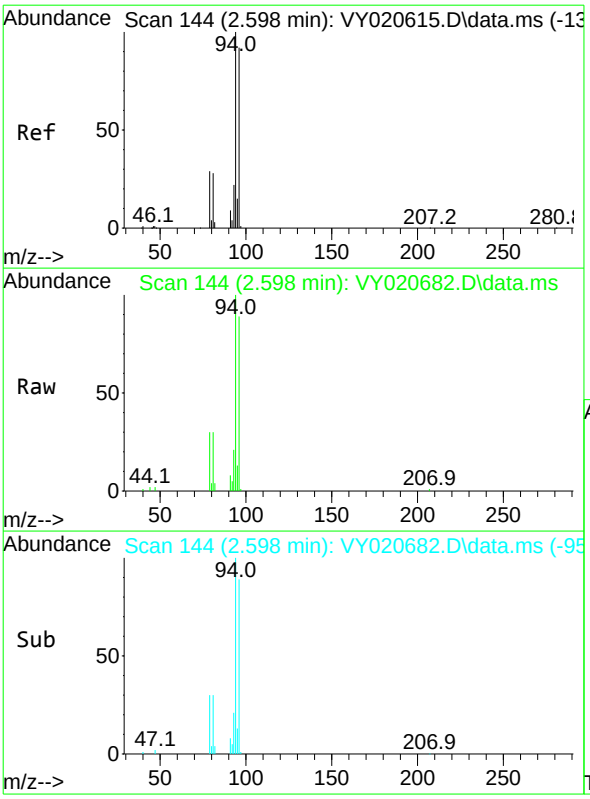


#4
Vinyl Chloride
Concen: 30.430 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 37701

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9

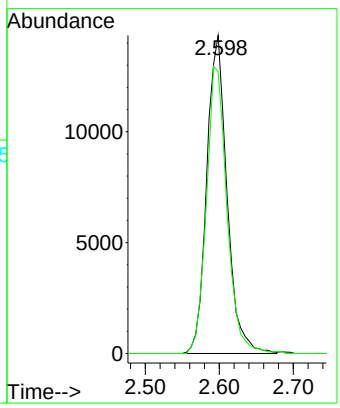




#5
Bromomethane
Concen: 34.241 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 94 Resp: 27270

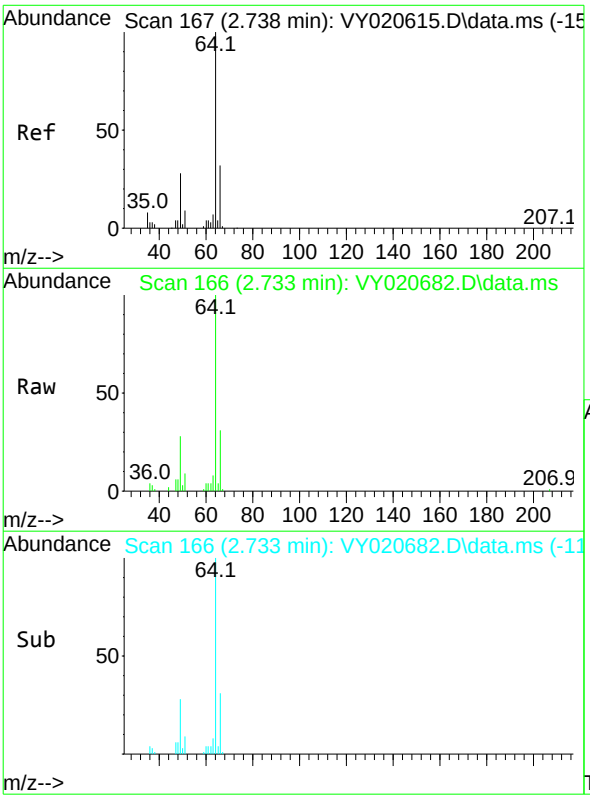
Ion	Ratio	Lower	Upper
94	100		
96	88.6	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

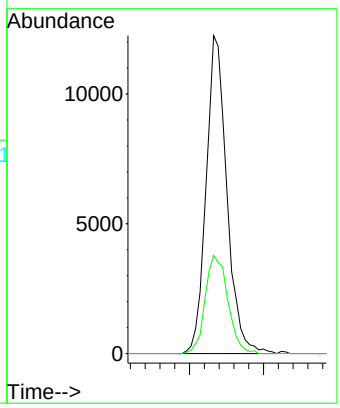
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

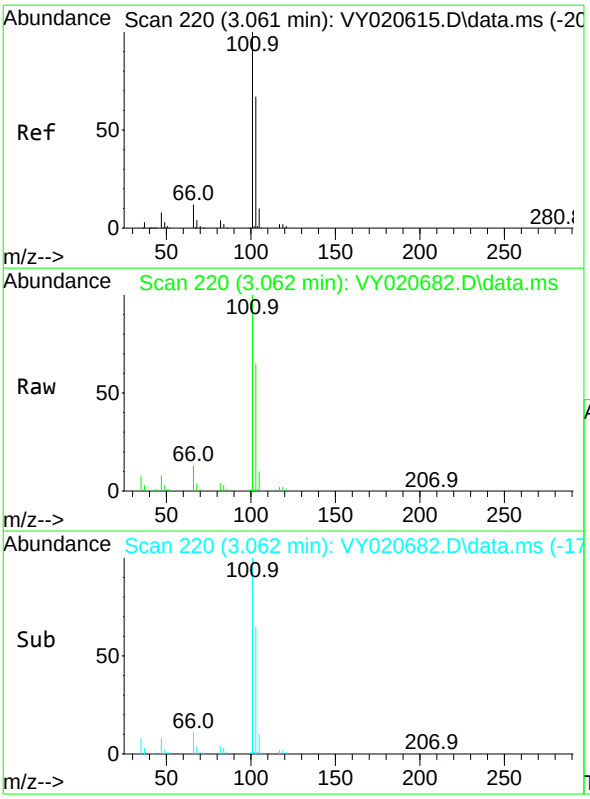


#6
Chloroethane
Concen: 31.154 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 64 Resp: 23852

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.8	38.6

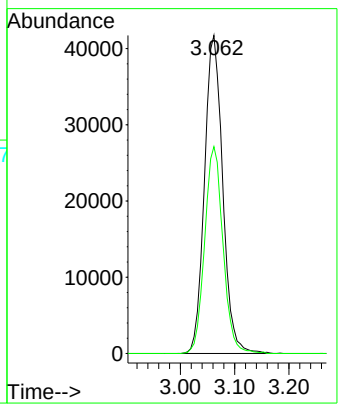




#7
Trichlorofluoromethane
Concen: 37.582 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

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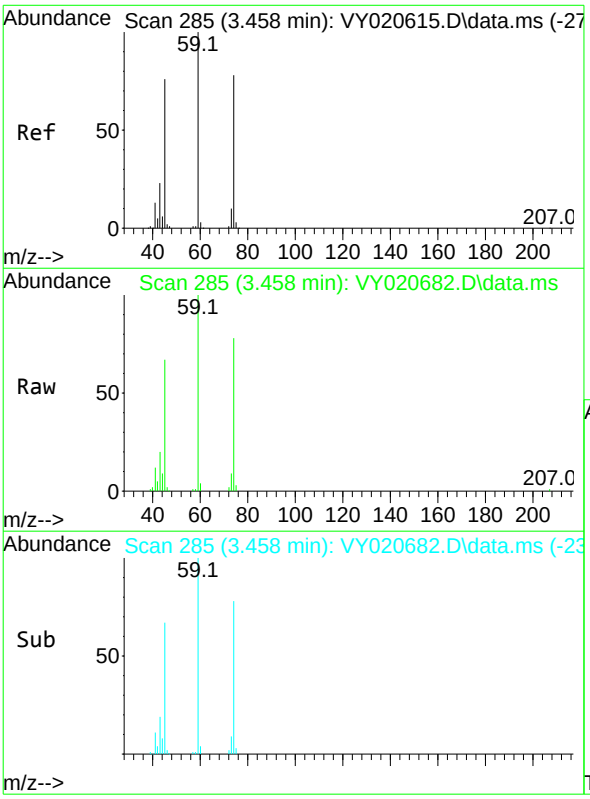
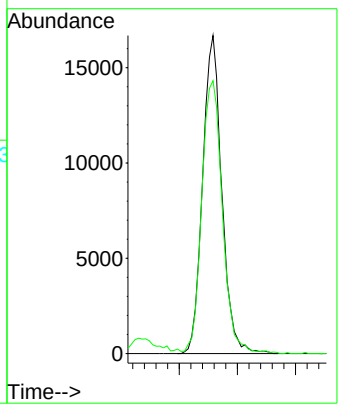
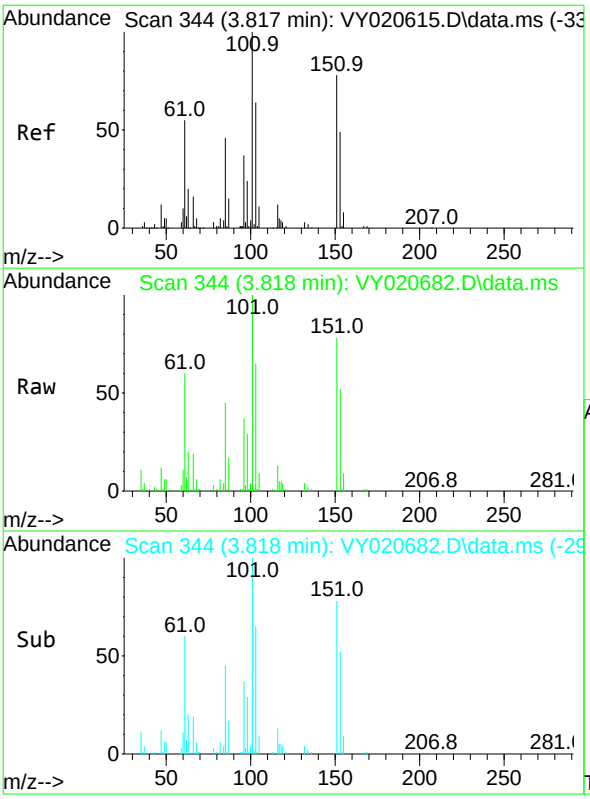


#8
Diethyl Ether
Concen: 41.896 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

Manual Integrations
APPROVED

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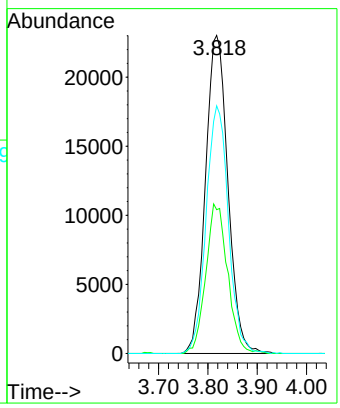
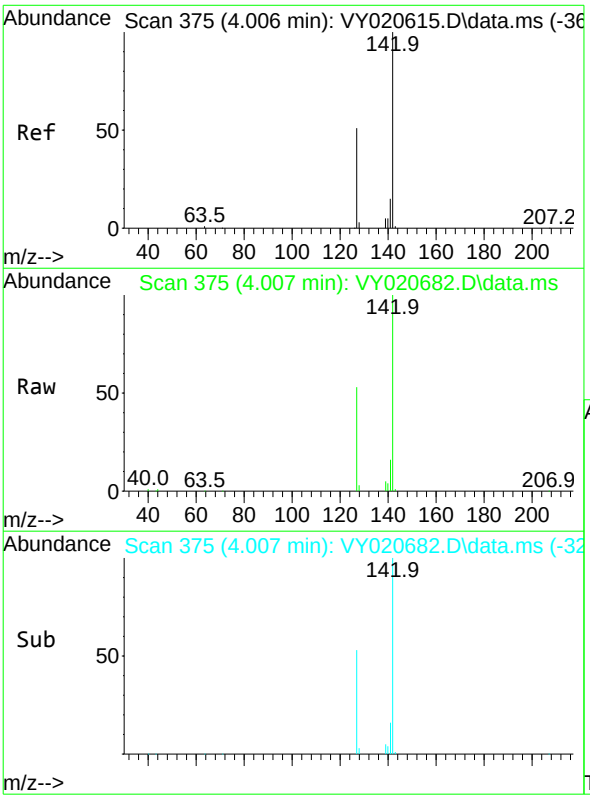
Supervised By :Mahesh Dadoda 12/24/2024

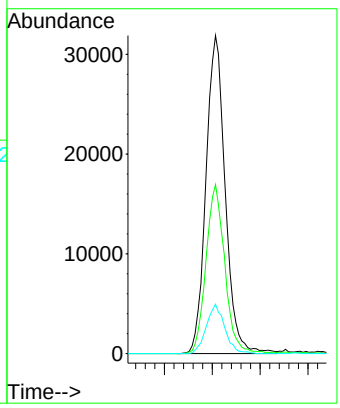


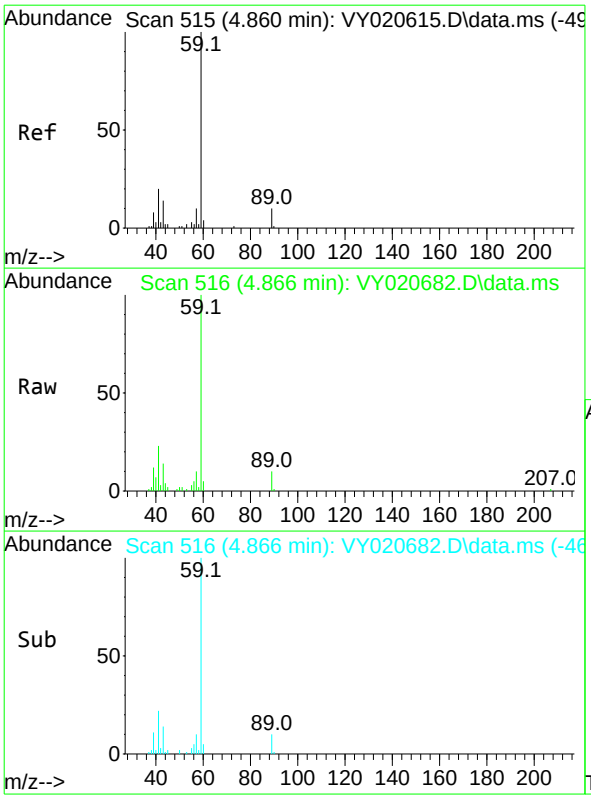


#10
Methyl Iodide
Concen: 43.050 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

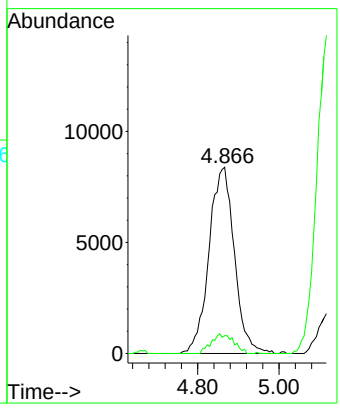




#11
Tert butyl alcohol
Concen: 213.879 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 59 Resp: 36300

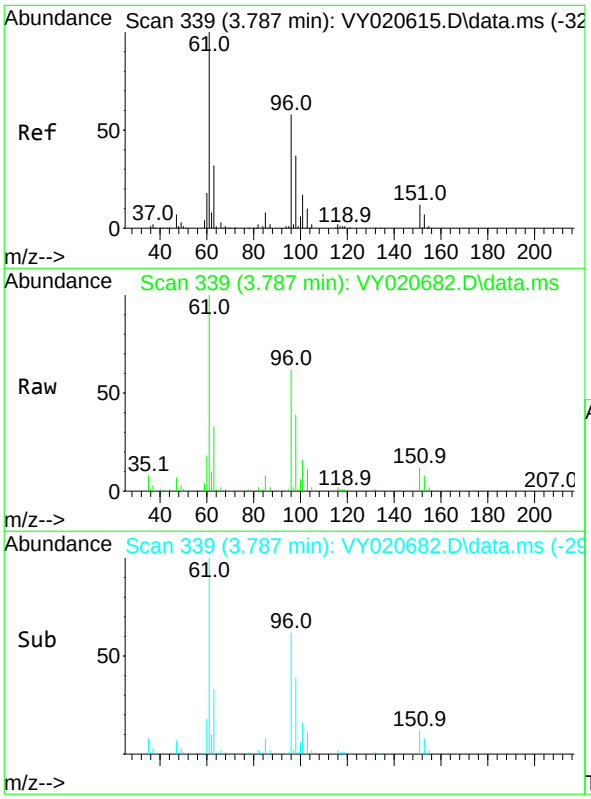
Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

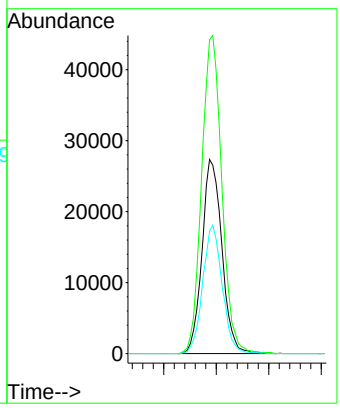
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

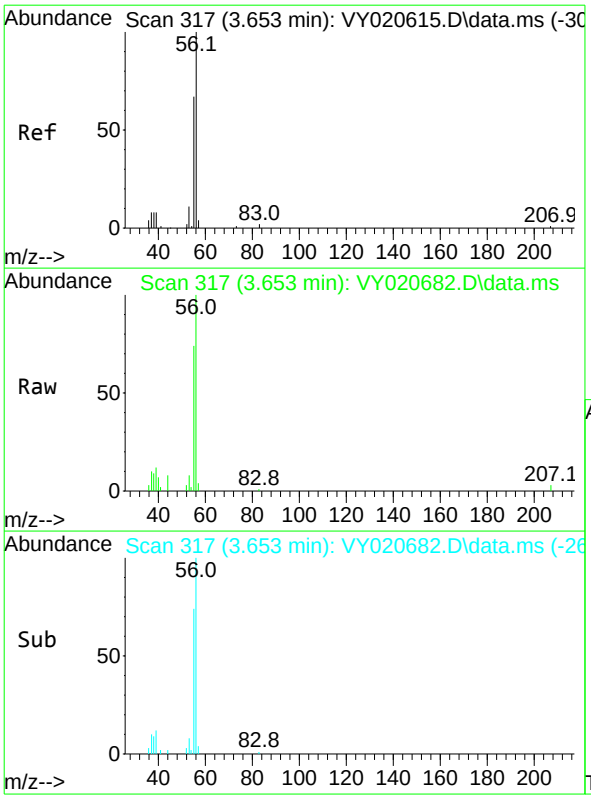


#12
1,1-Dichloroethene
Concen: 39.896 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

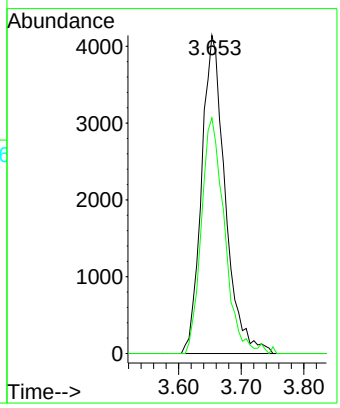




#13
Acrolein
Concen: 145.691 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 56 Resp: 10852

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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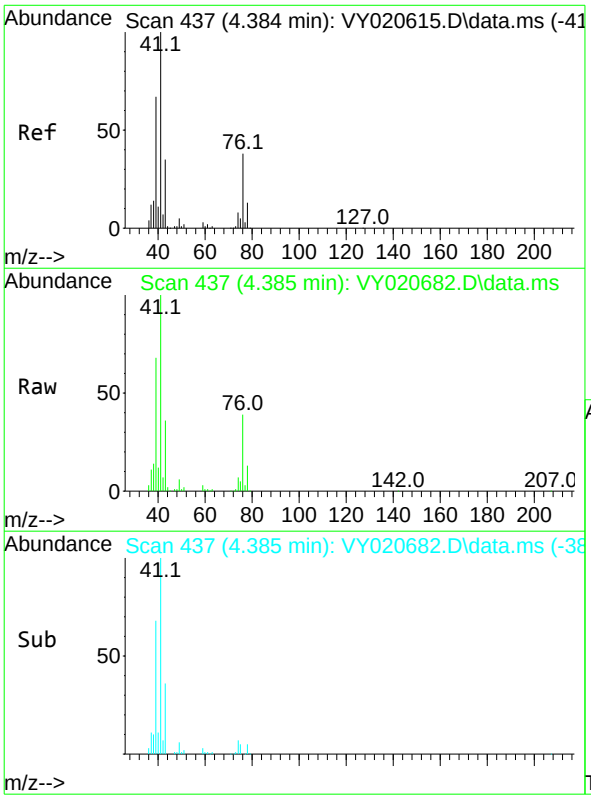
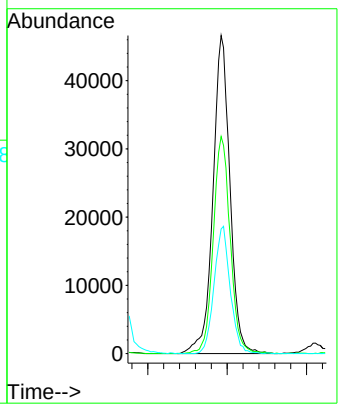
Supervised By :Mahesh Dadoda 12/24/2024

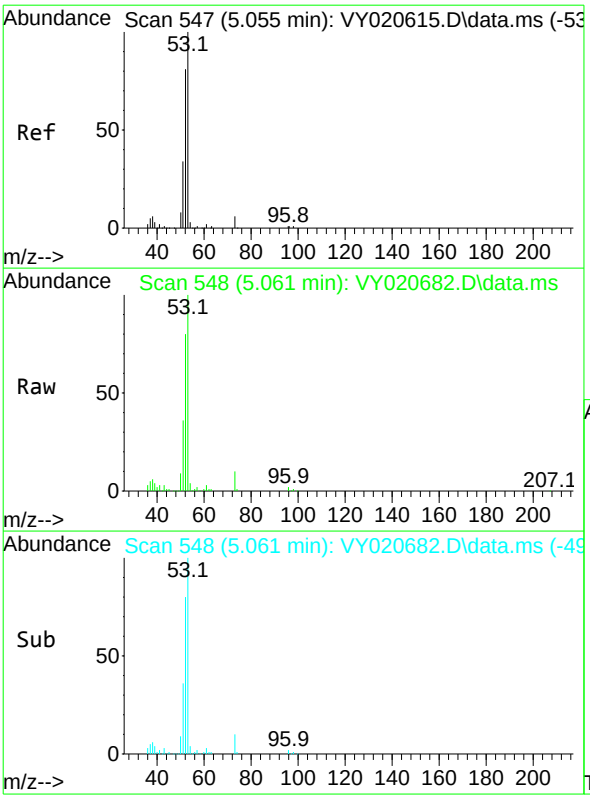


#14
Allyl chloride
Concen: 43.827 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

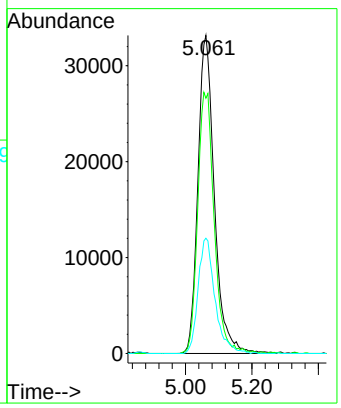




#15
Acrylonitrile
Concen: 262.307 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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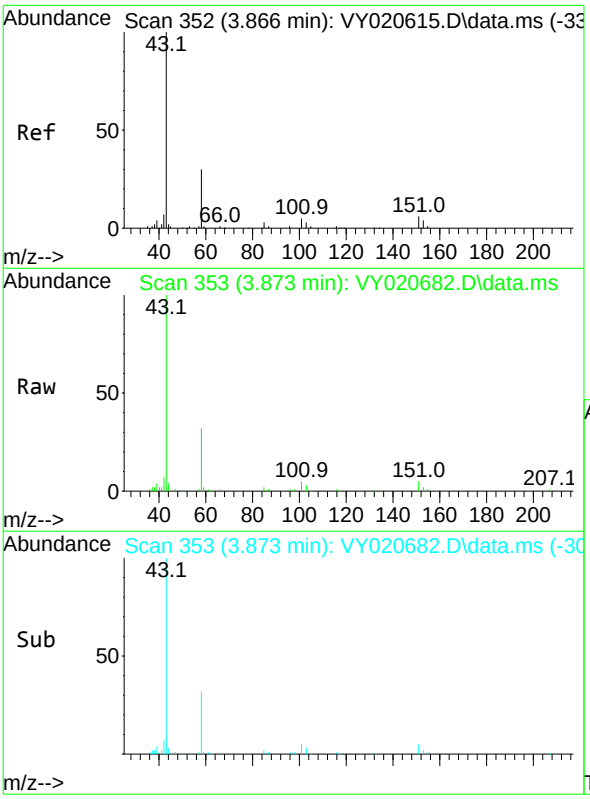
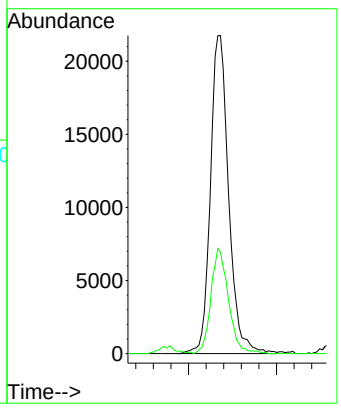
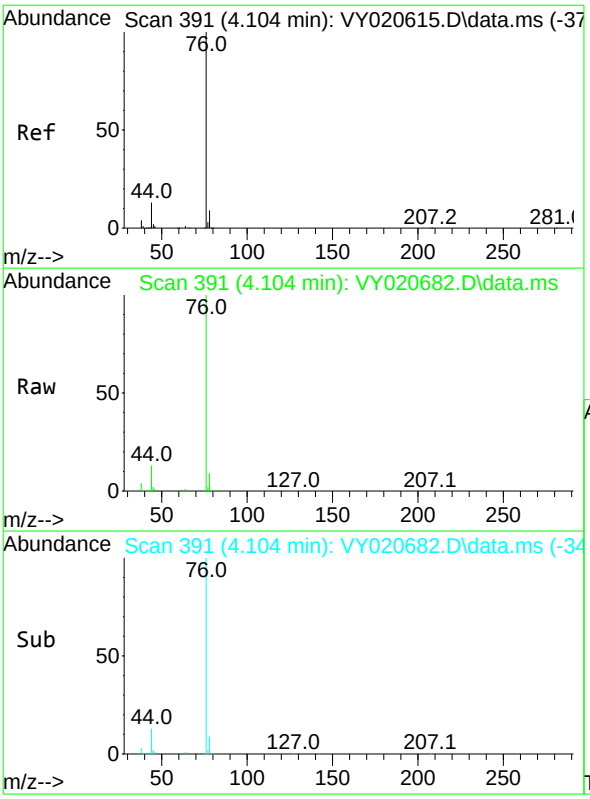


#16
Acetone
Concen: 198.675 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 62589

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.0	37.6

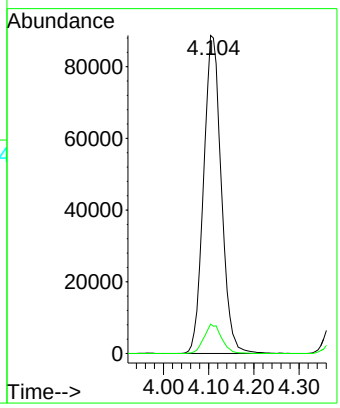




#17
Carbon Disulfide
Concen: 41.052 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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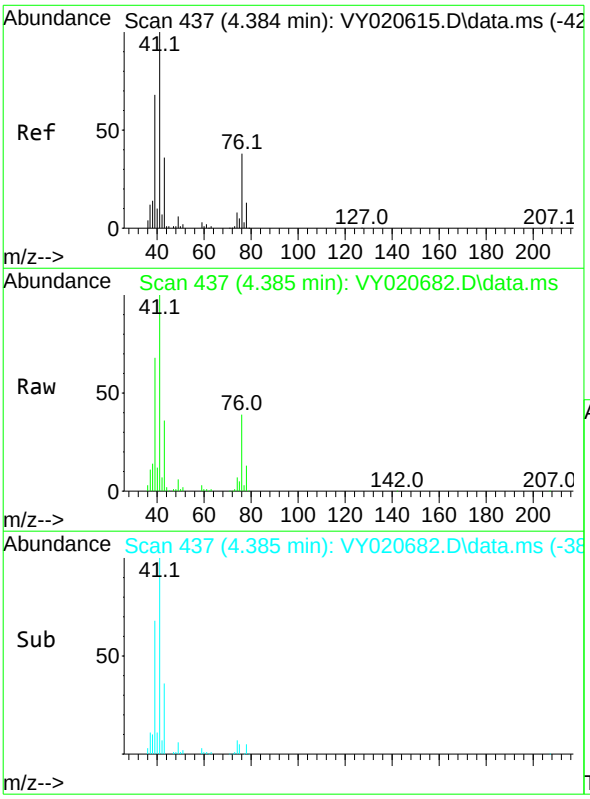
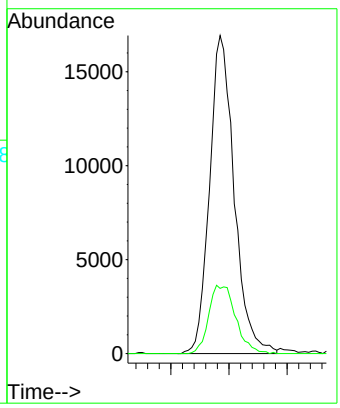
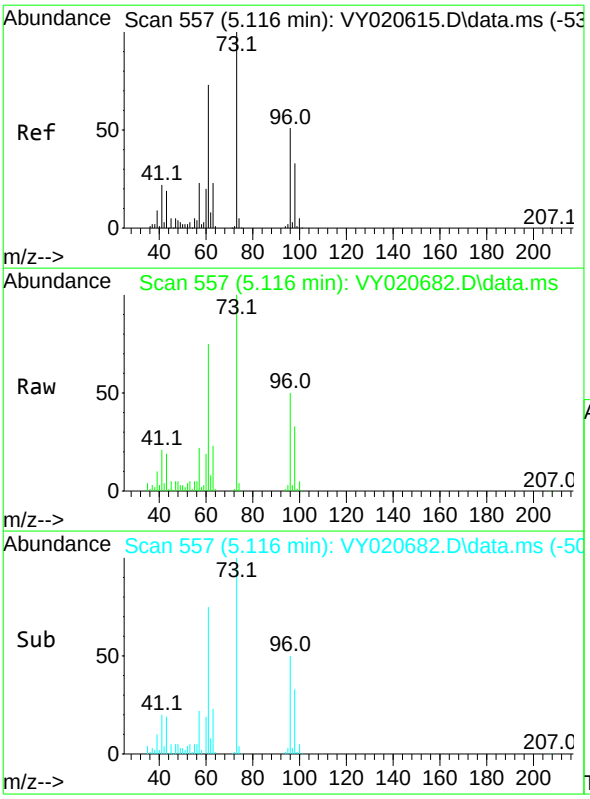


#18
Methyl Acetate
Concen: 46.480 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 49816

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8

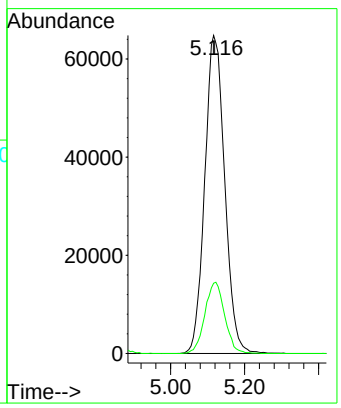




#19
Methyl tert-butyl Ether
Concen: 52.095 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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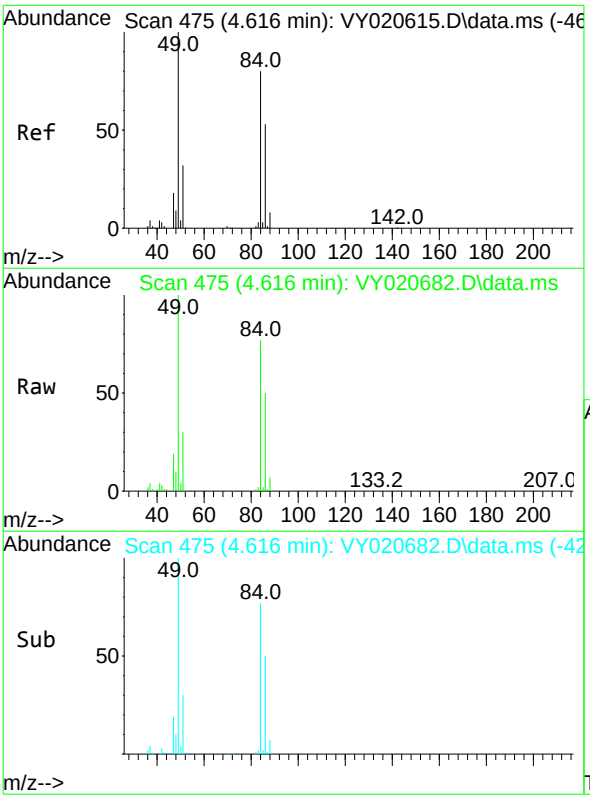
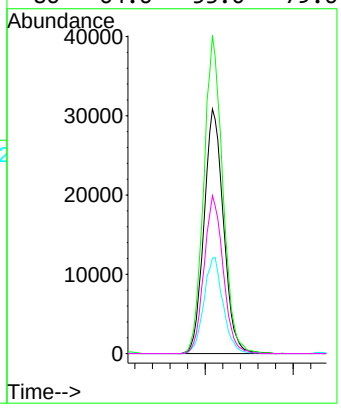
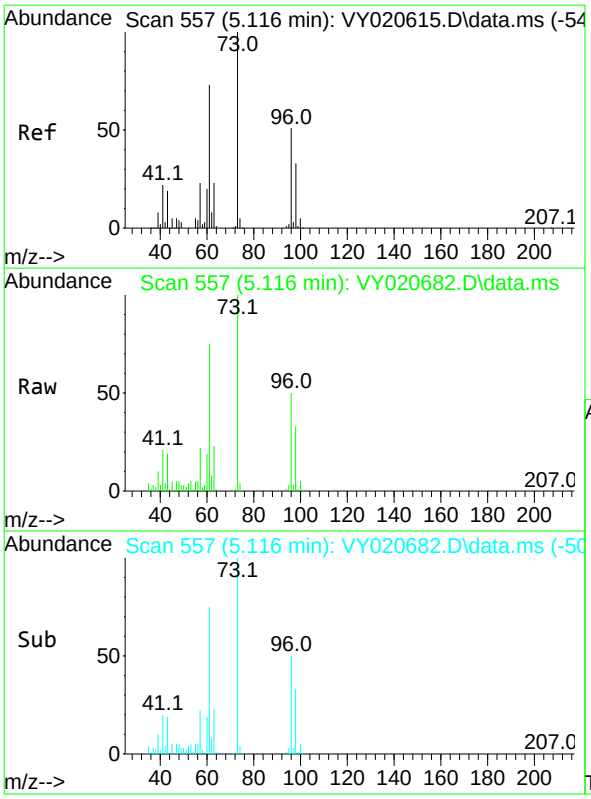


#20
Methylene Chloride
Concen: 48.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

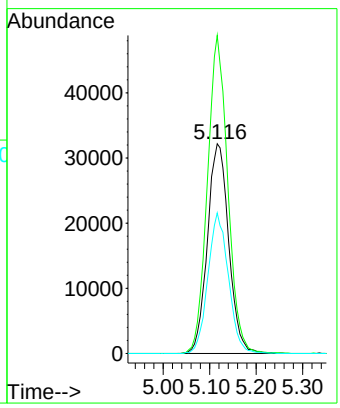




#21
trans-1,2-Dichloroethene
Concen: 50.685 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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
ClientSampleId :
VSTDCCC050EC

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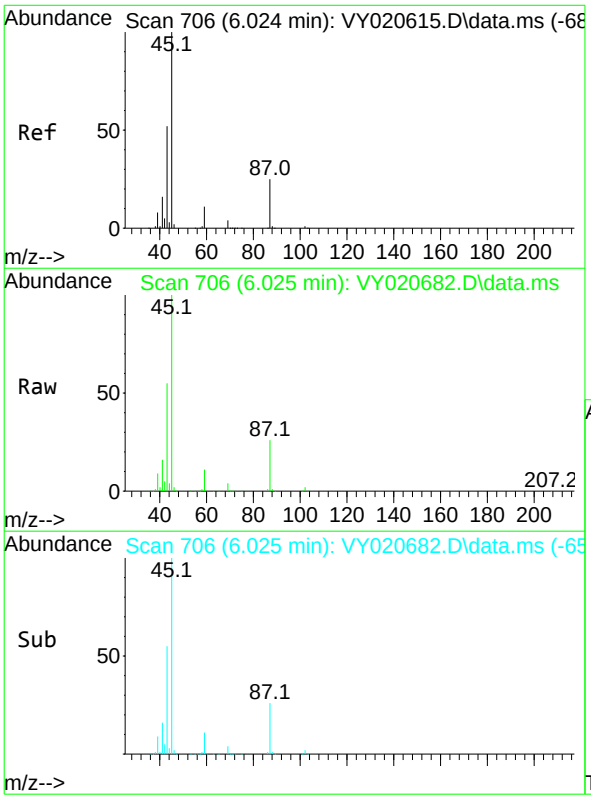
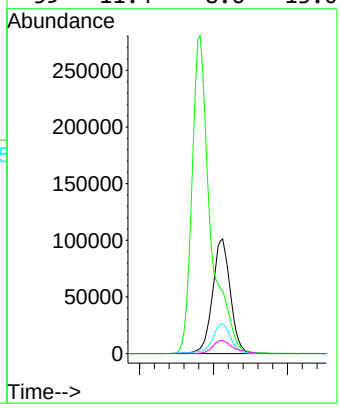
Supervised By :Mahesh Dadoda 12/24/2024

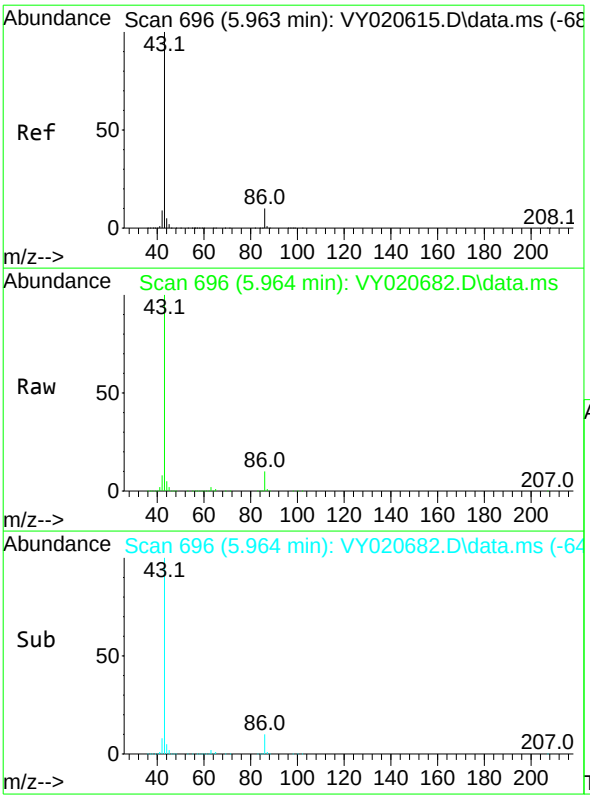


#22
Diisopropyl ether
Concen: 52.616 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

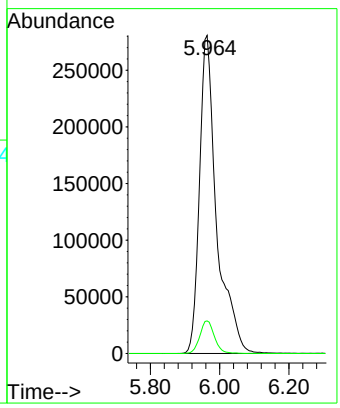




#23
Vinyl Acetate
Concen: 266.302 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 967217

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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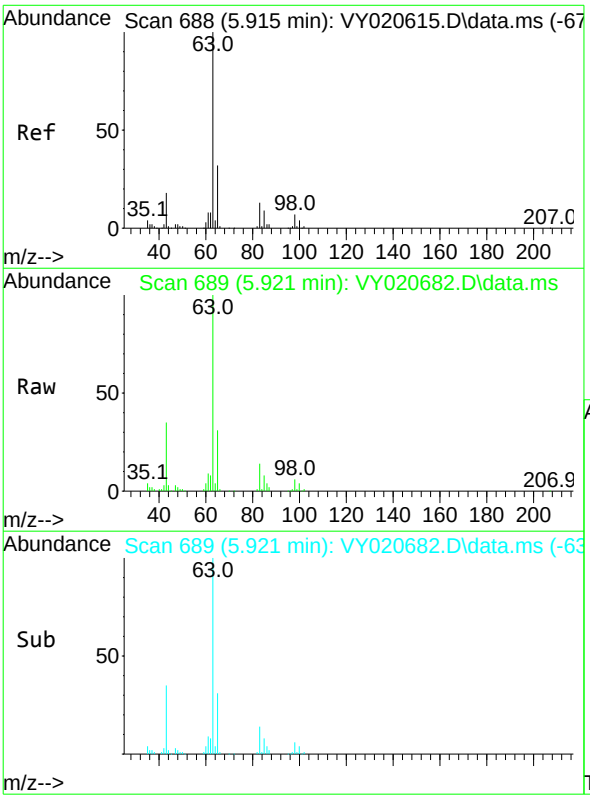
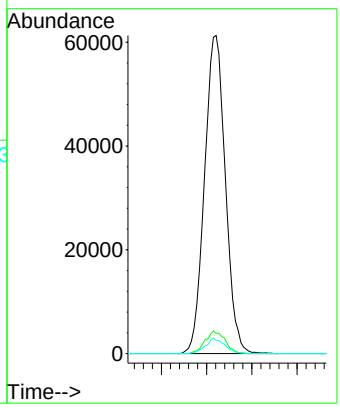
Supervised By :Mahesh Dadoda 12/24/2024

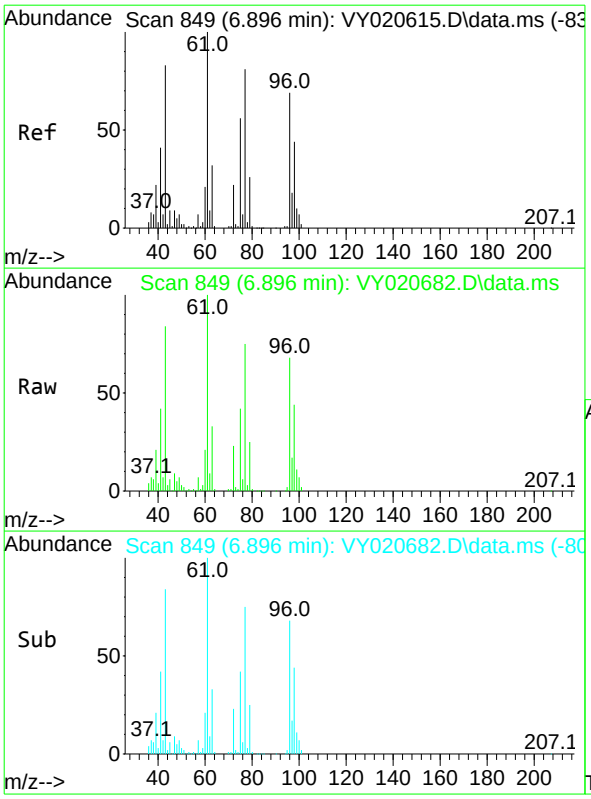


#24
1,1-Dichloroethane
Concen: 52.280 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

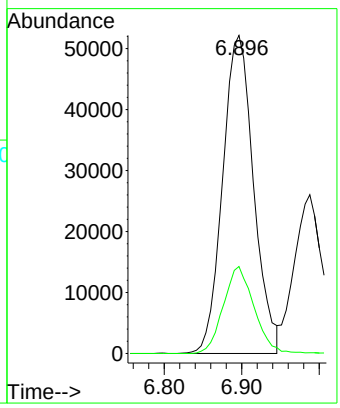




#25
2-Butanone
Concen: 247.823 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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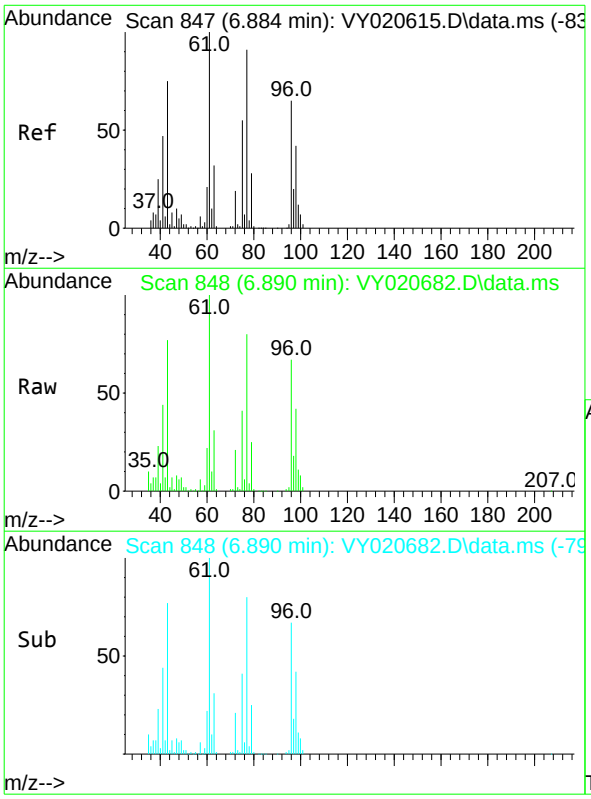
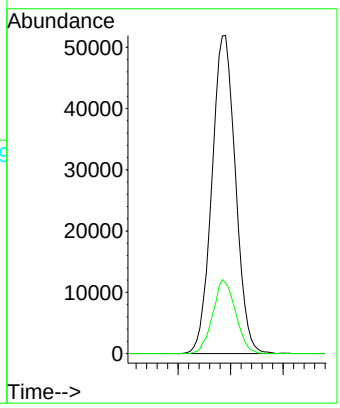
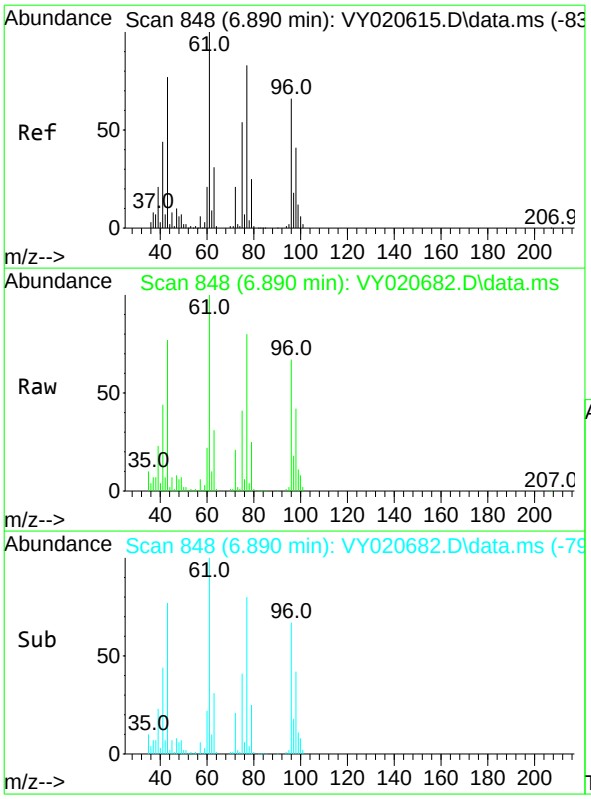


#26
2,2-Dichloropropane
Concen: 45.653 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 77 Resp: 162135

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6

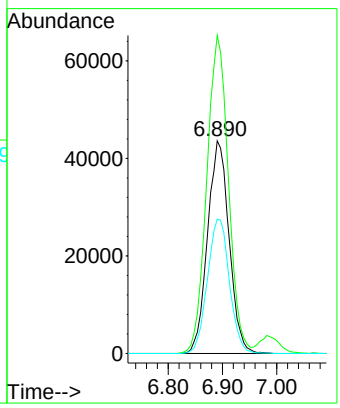




#27
cis-1,2-Dichloroethene
Concen: 51.699 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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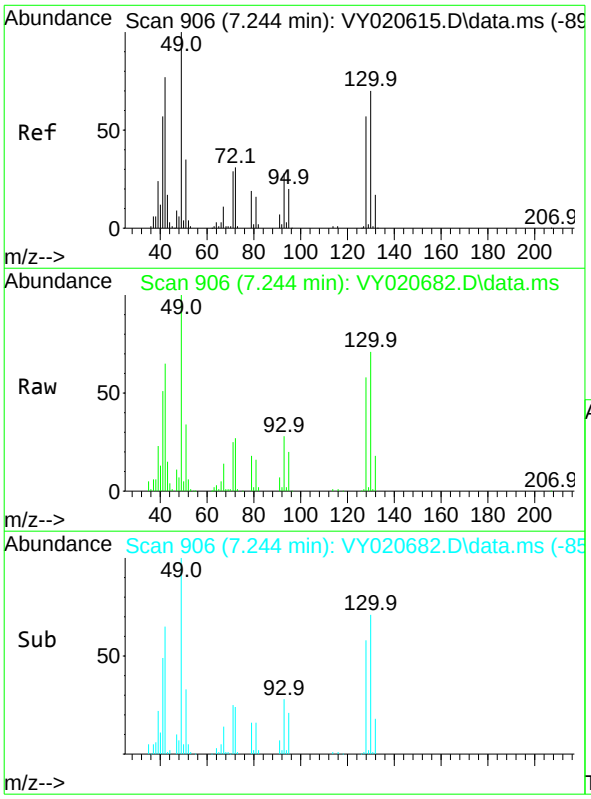
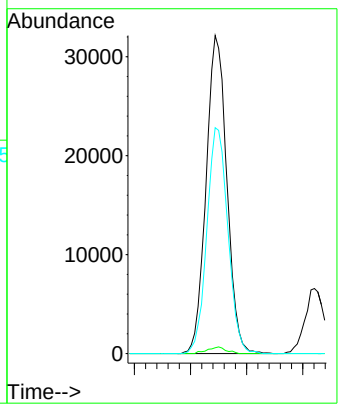
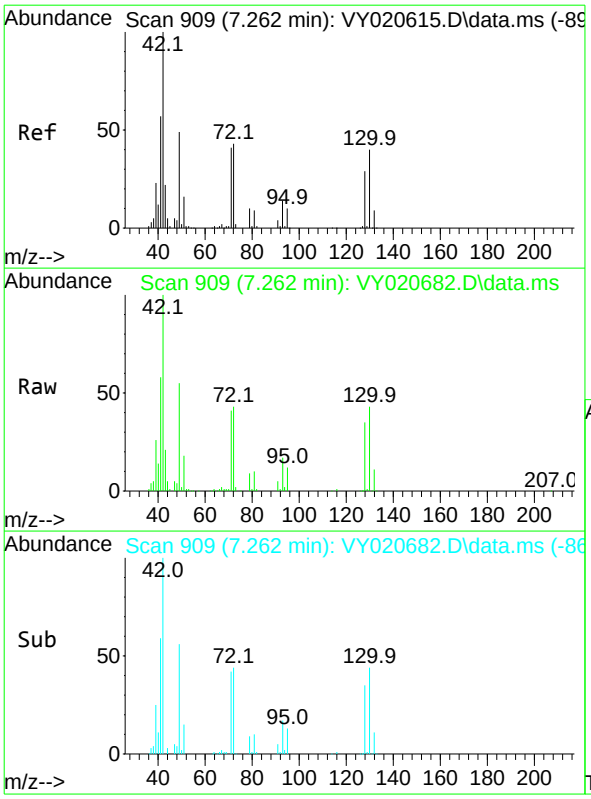


#28
Bromochloromethane
Concen: 65.015 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

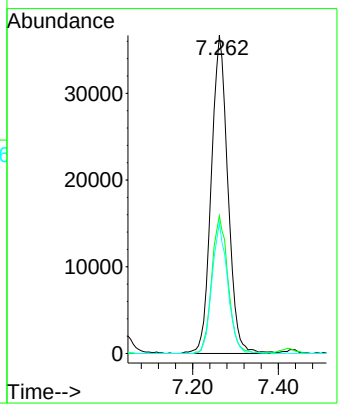




#29
Tetrahydrofuran
Concen: 268.209 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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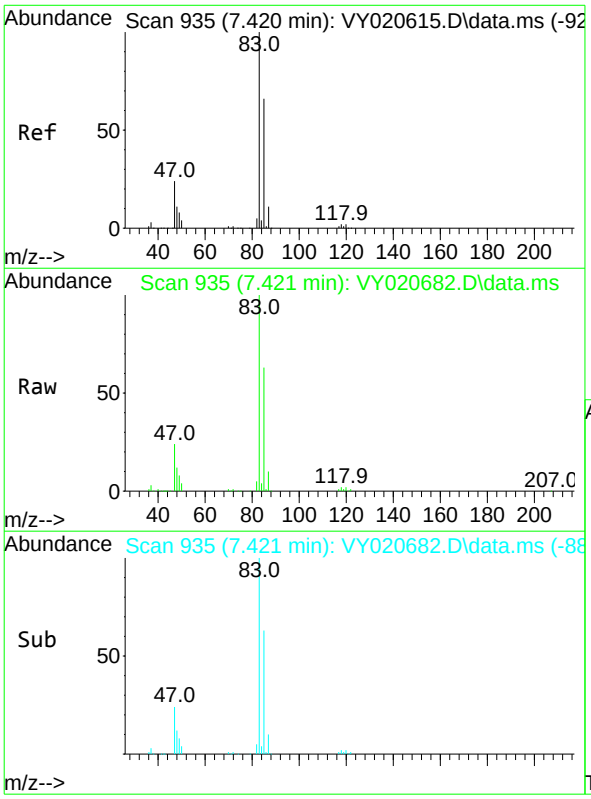
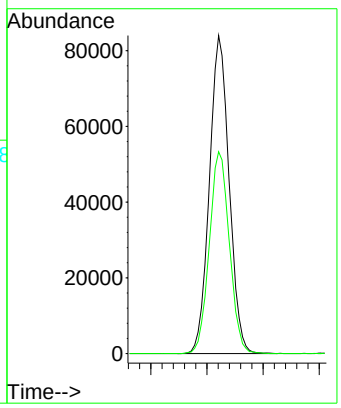
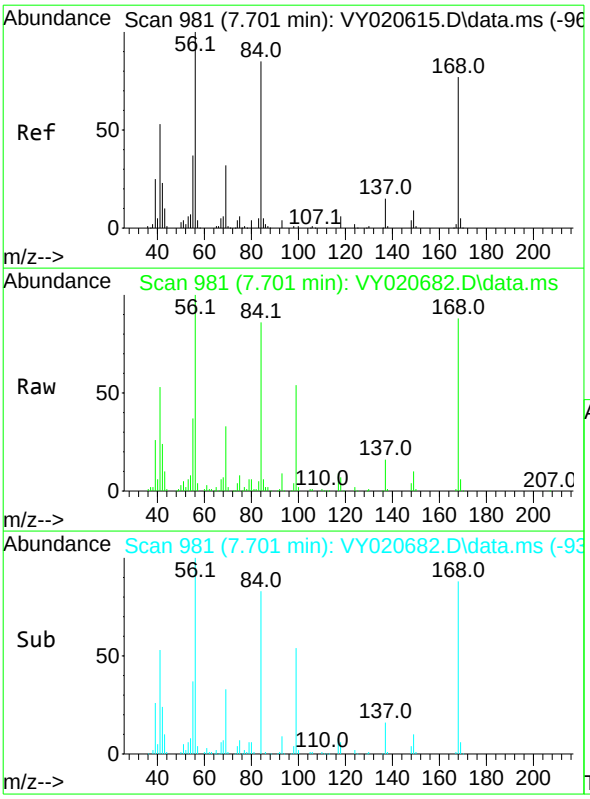


#30
Chloroform
Concen: 54.780 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 204738

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1

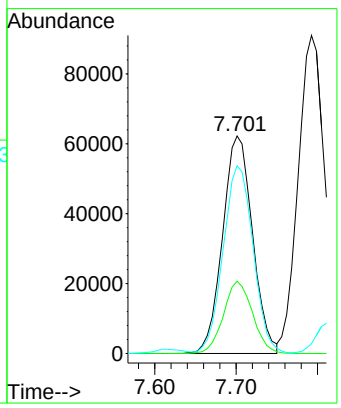




#31
Cyclohexane
Concen: 44.289 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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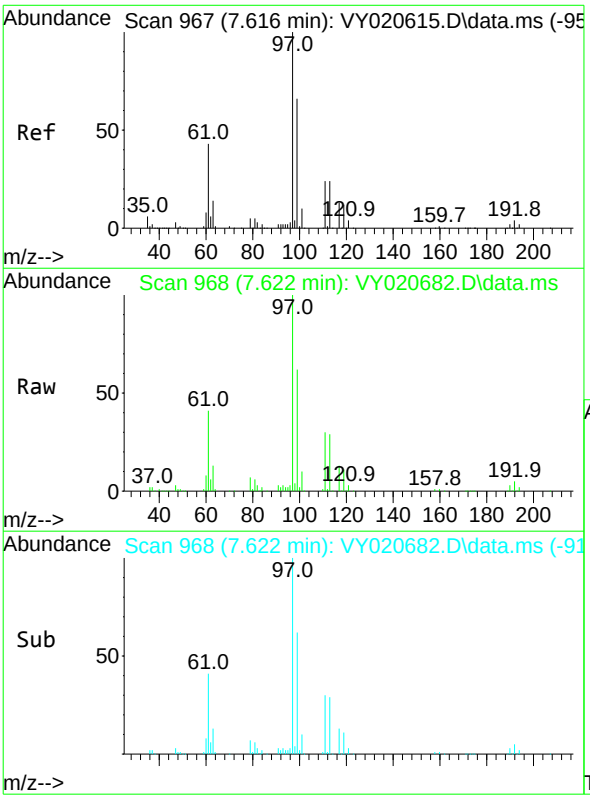
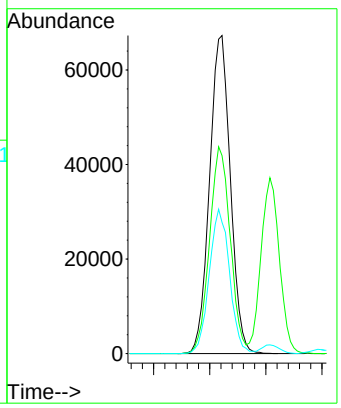
Supervised By :Mahesh Dadoda 12/24/2024

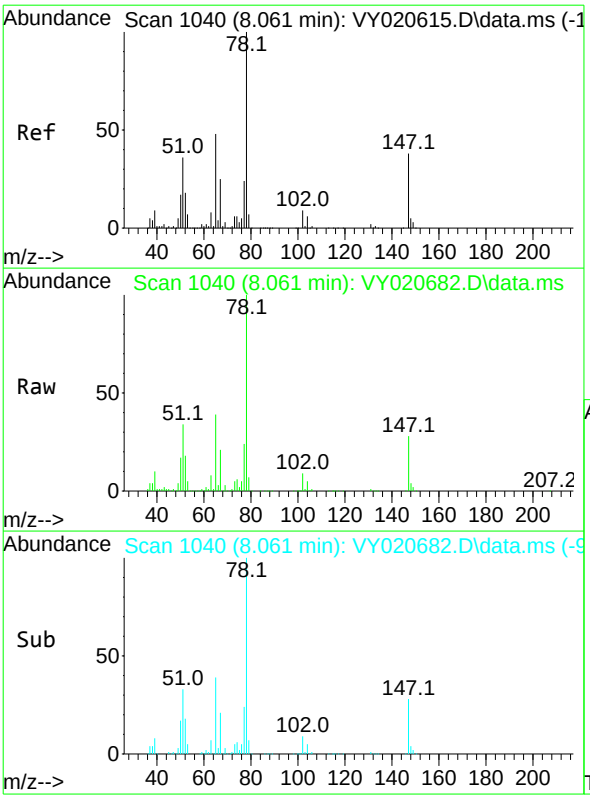


#32
1,1,1-Trichloroethane
Concen: 50.188 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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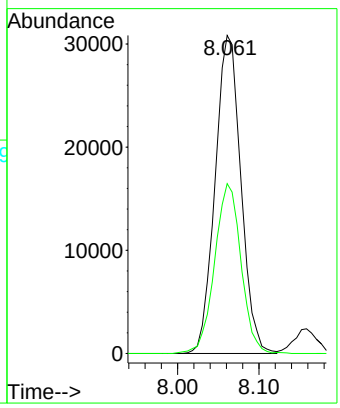
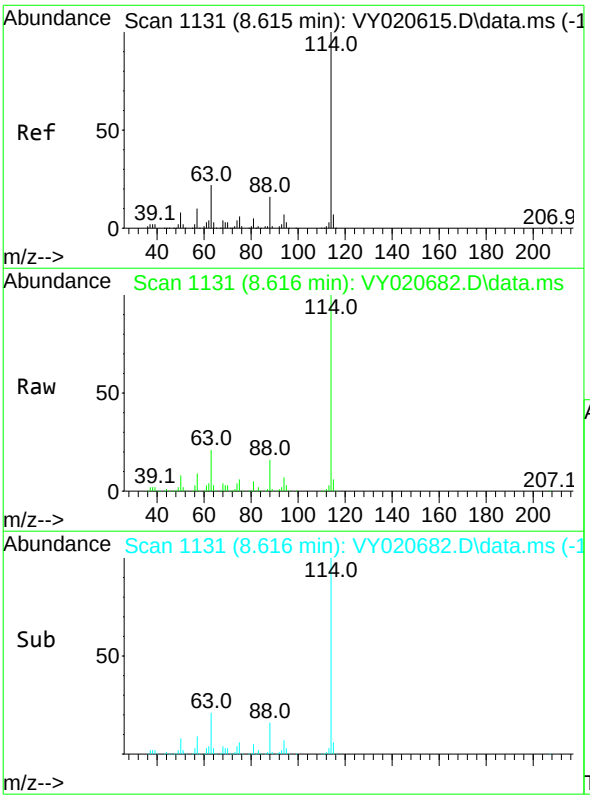
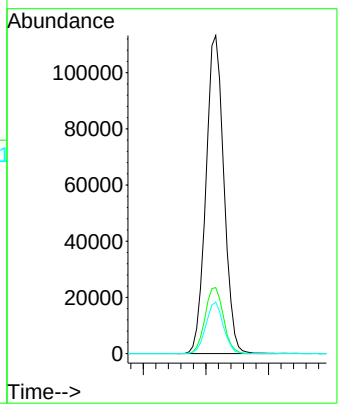


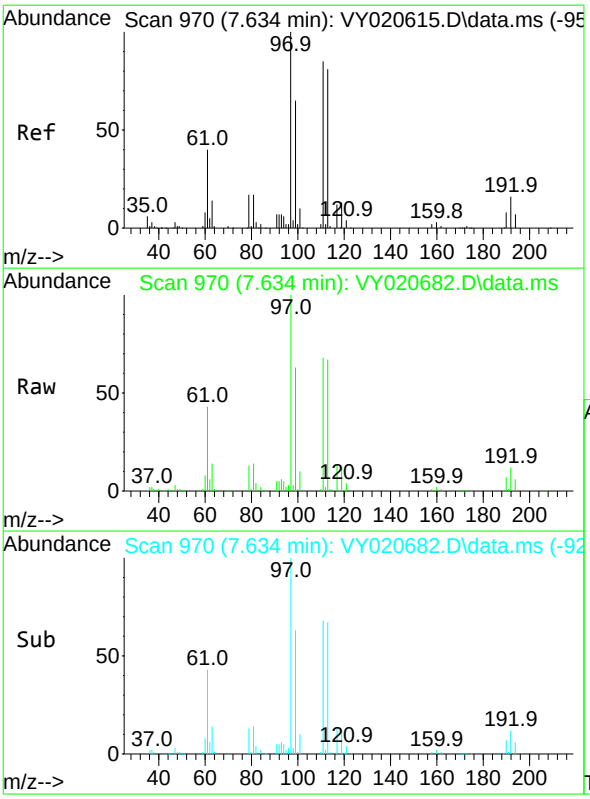


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

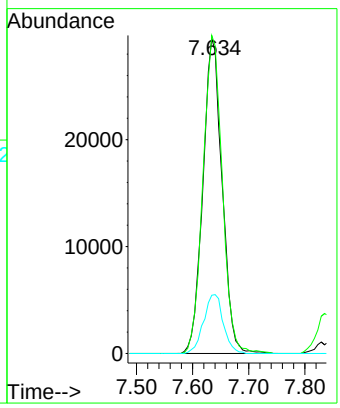




#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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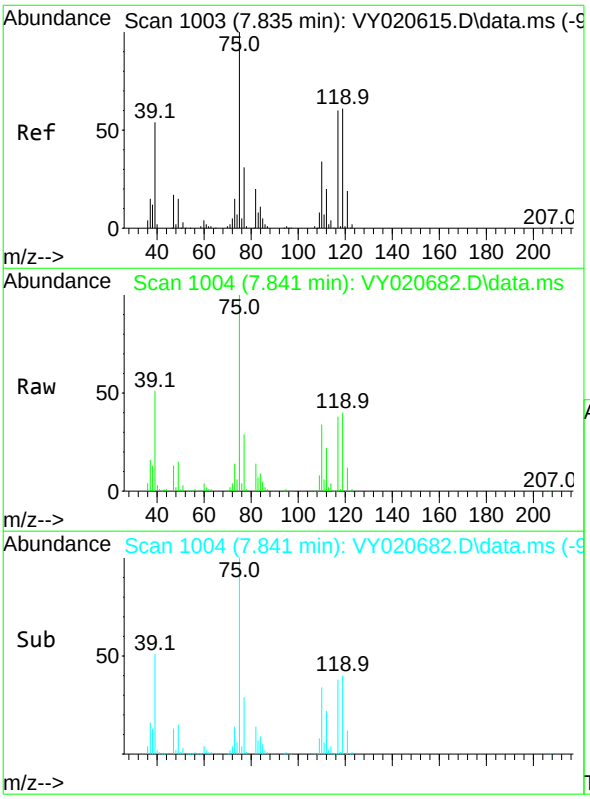
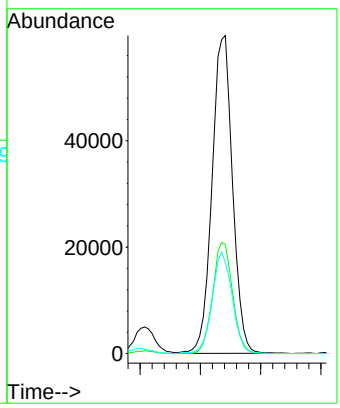
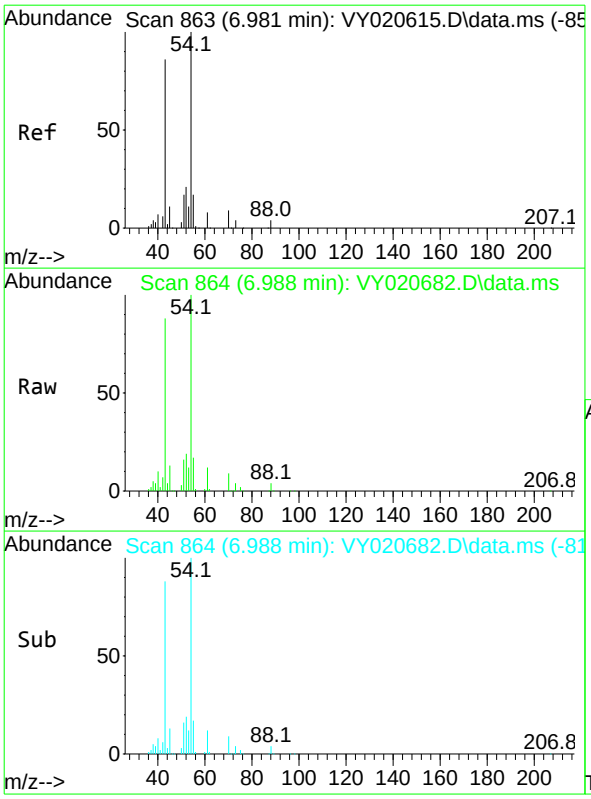


#36
1,1-Dichloropropene
Concen: 48.693 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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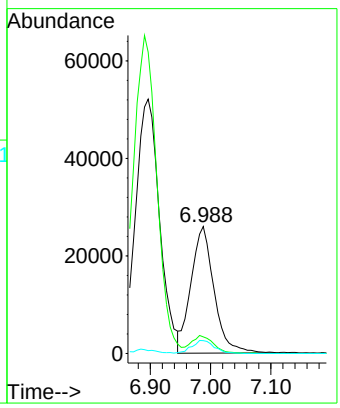
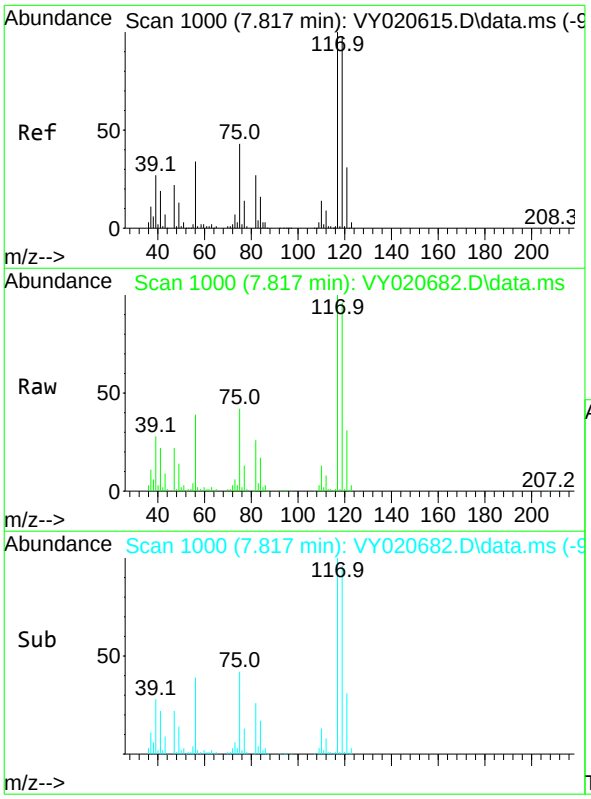
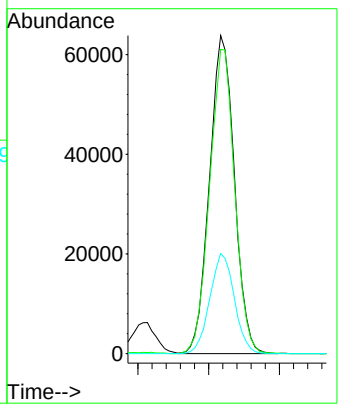


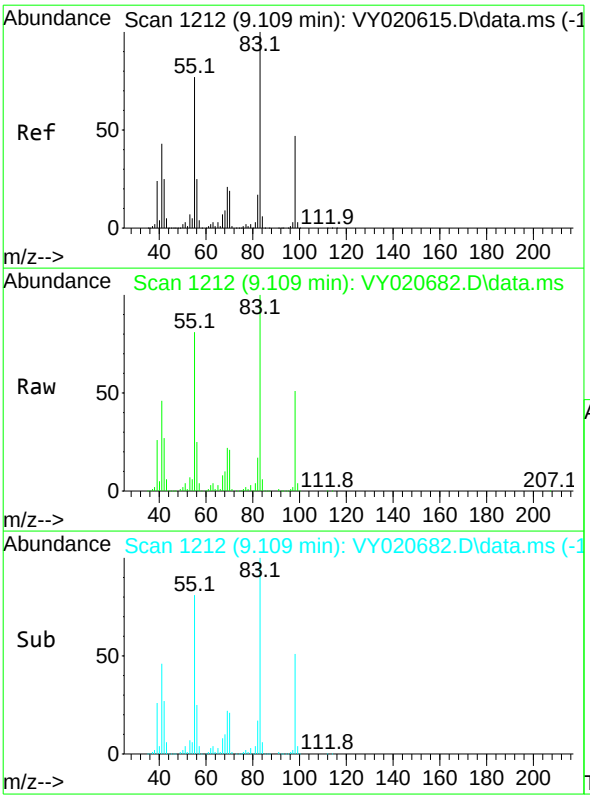


#38
Carbon Tetrachloride
Concen: 48.699 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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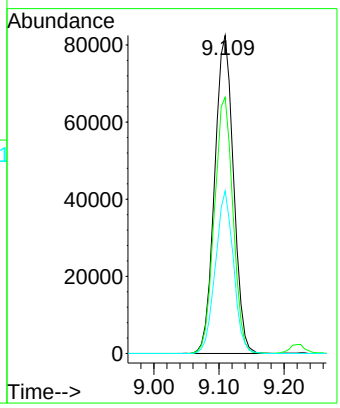
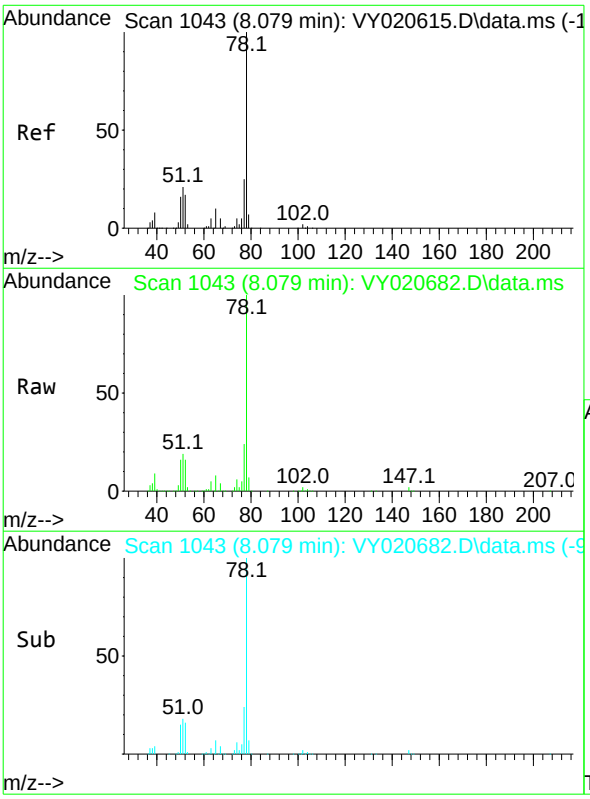
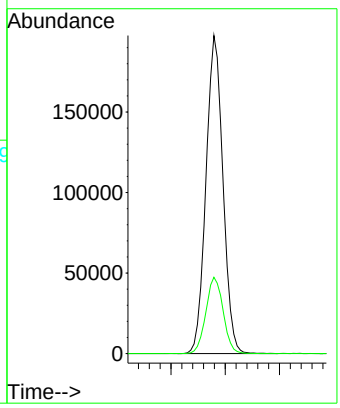


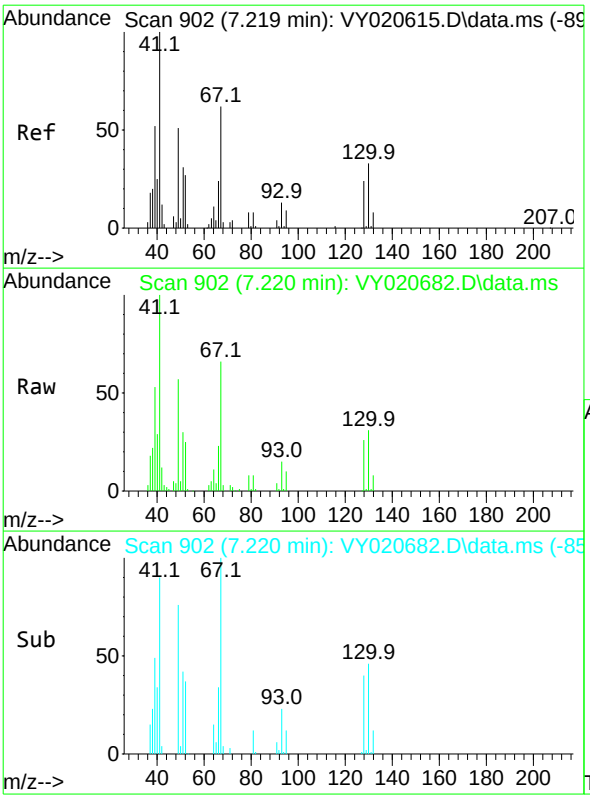


#40
Benzene
Concen: 50.578 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 78 Resp: 429017

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1

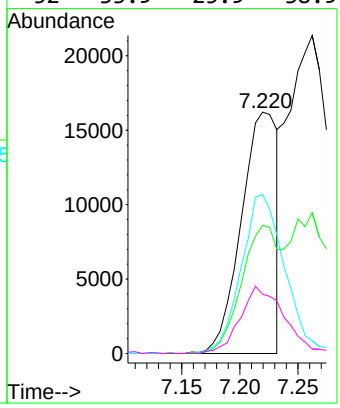




#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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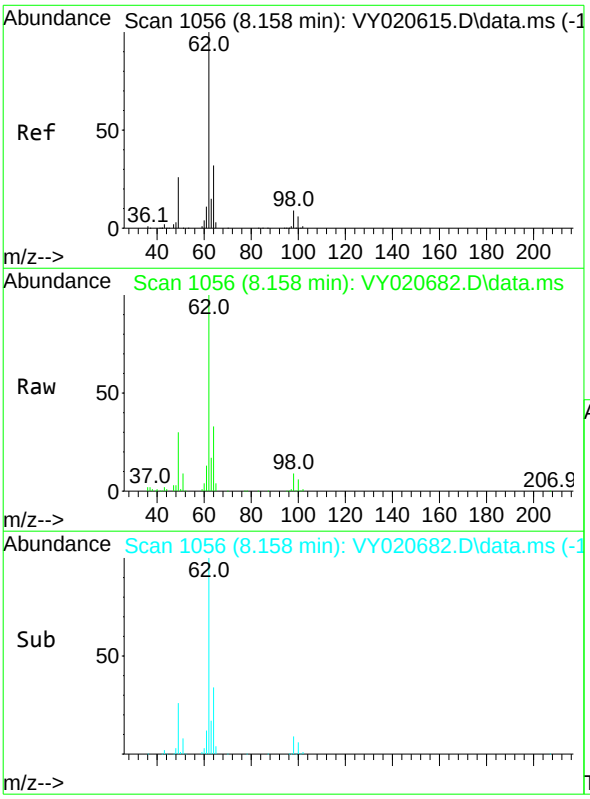
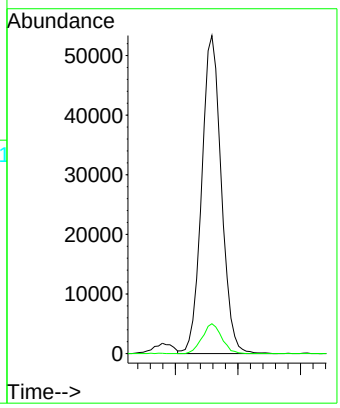
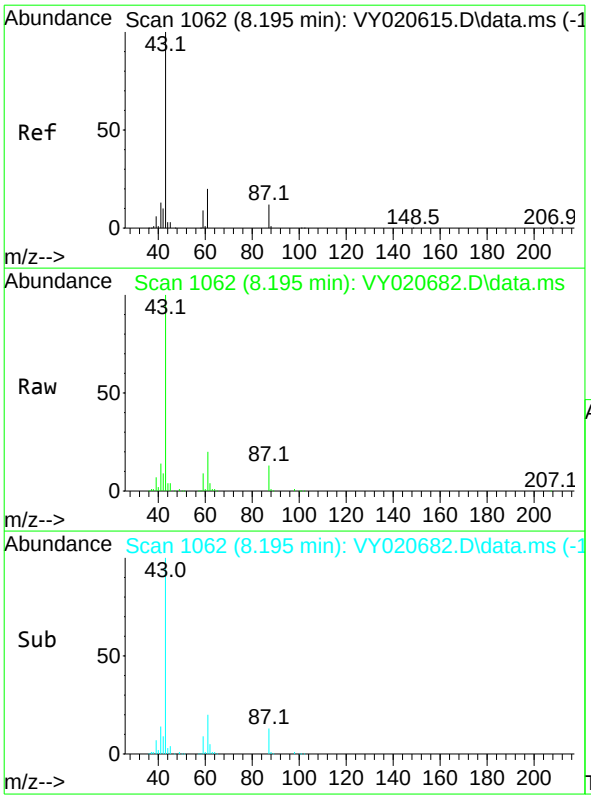


#42
1,2-Dichloroethane
Concen: 51.589 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 116059

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

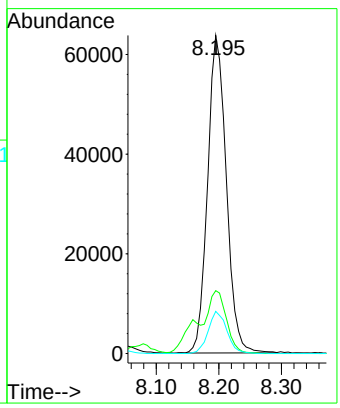




#43
Isopropyl Acetate
Concen: 51.476 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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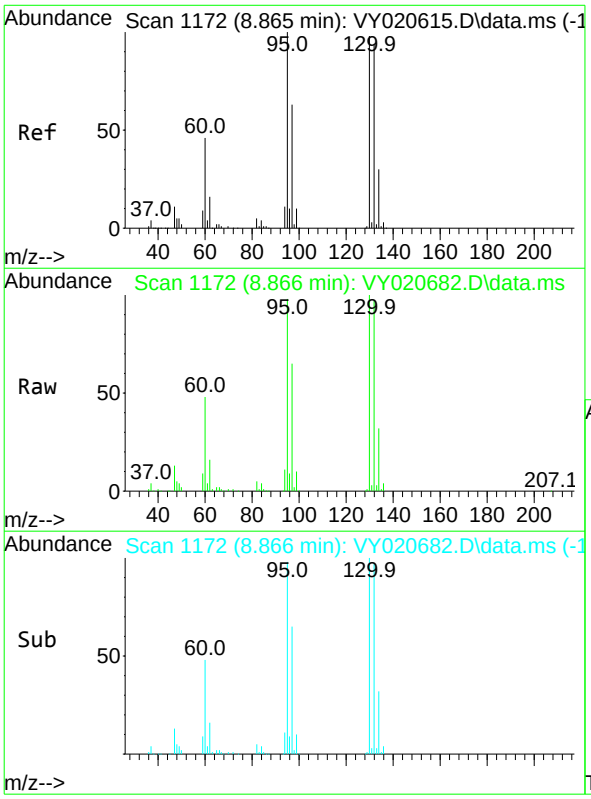
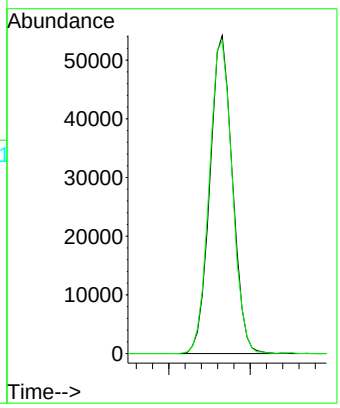
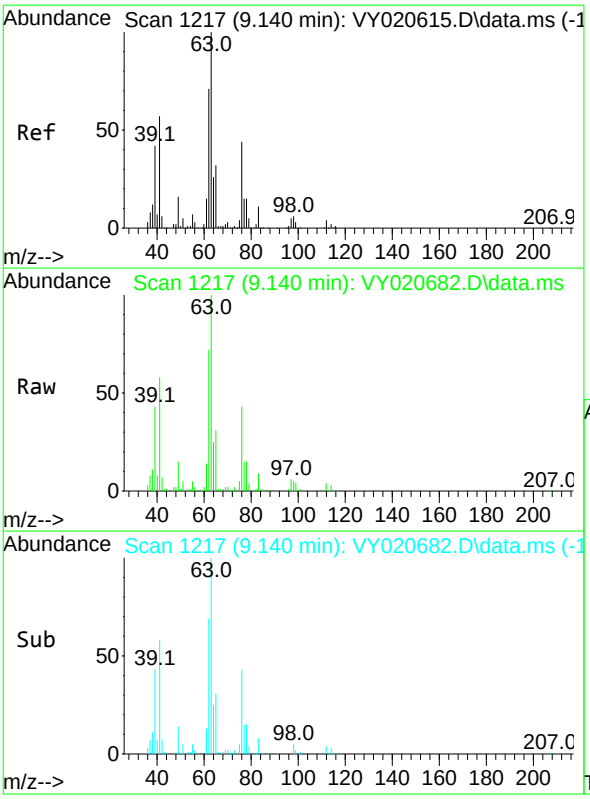


#44
Trichloroethene
Concen: 50.065 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:130 Resp: 104350

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	203.2

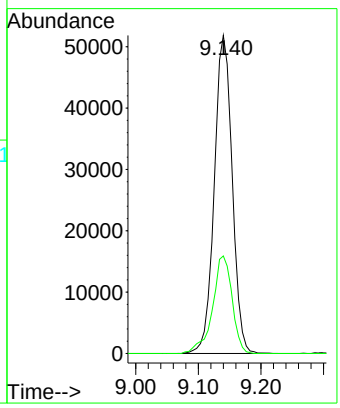




#45
1,2-Dichloropropane
Concen: 51.953 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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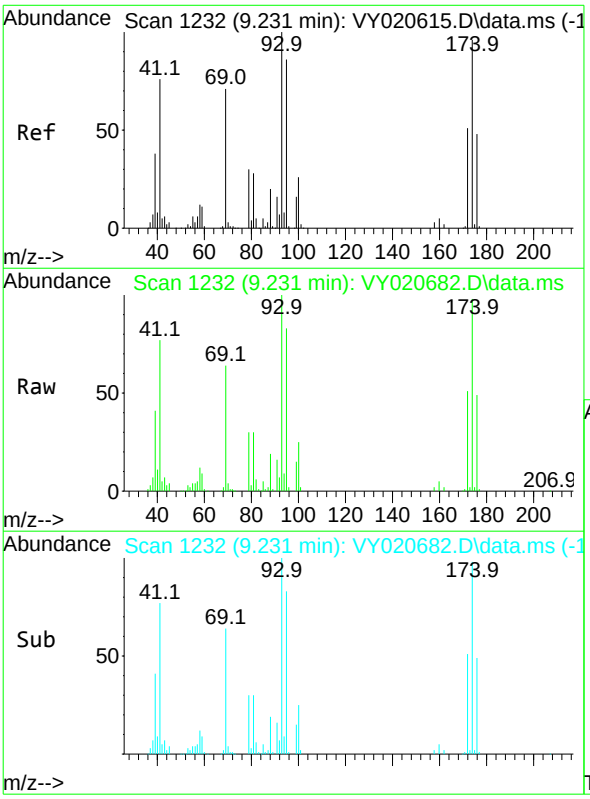
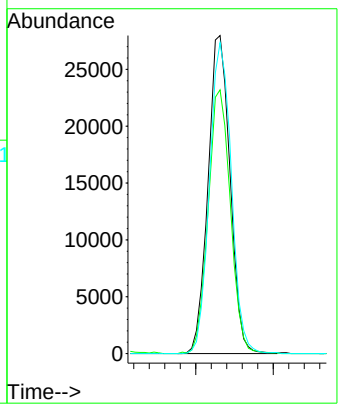
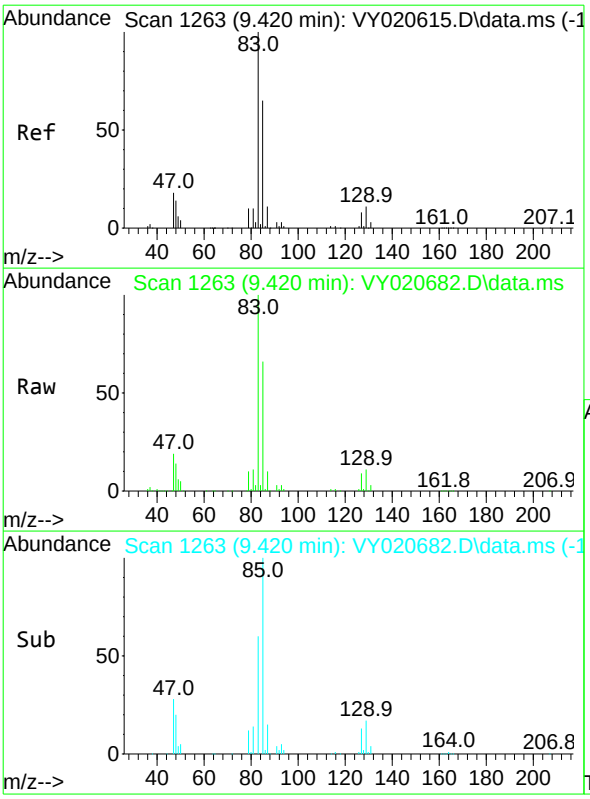


#46
Dibromomethane
Concen: 52.734 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

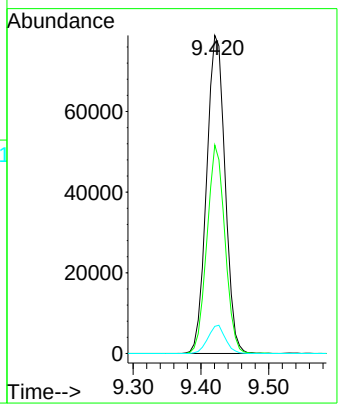




#47
Bromodichloromethane
Concen: 52.643 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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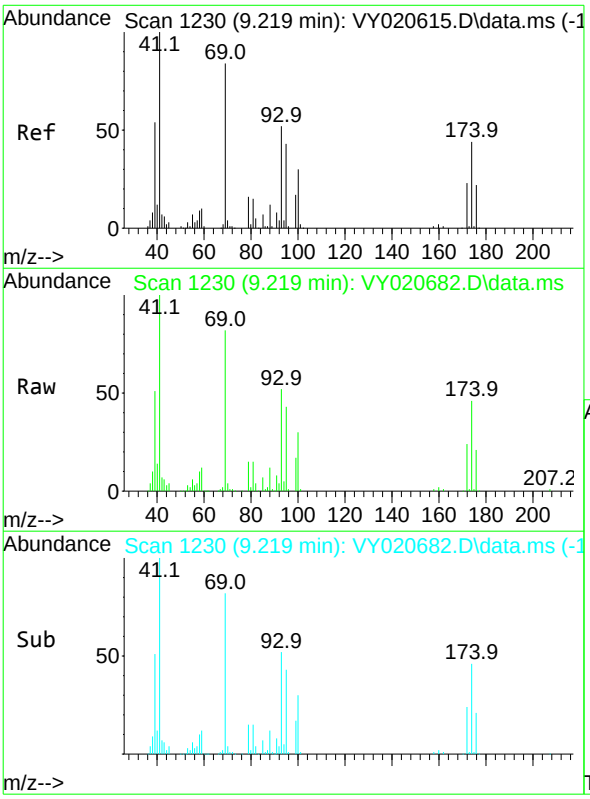
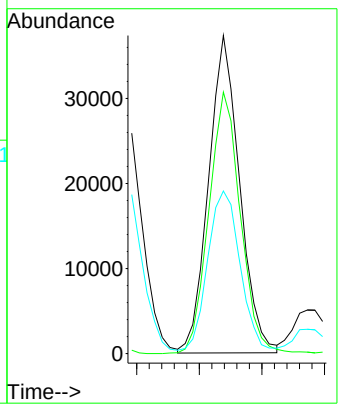
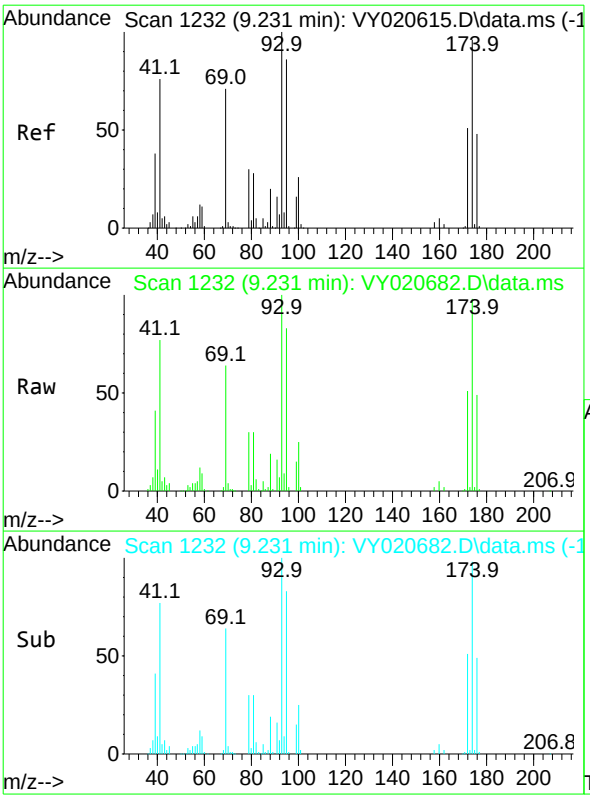


#48
Methyl methacrylate
Concen: 52.516 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

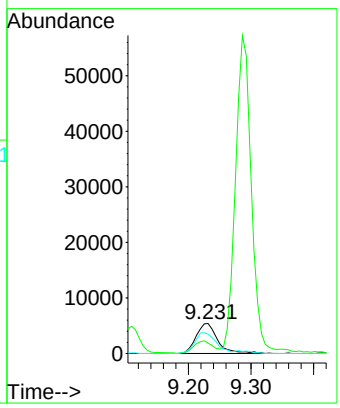




#49
1,4-Dioxane
Concen: 1069.318 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
VSTDCCC050EC

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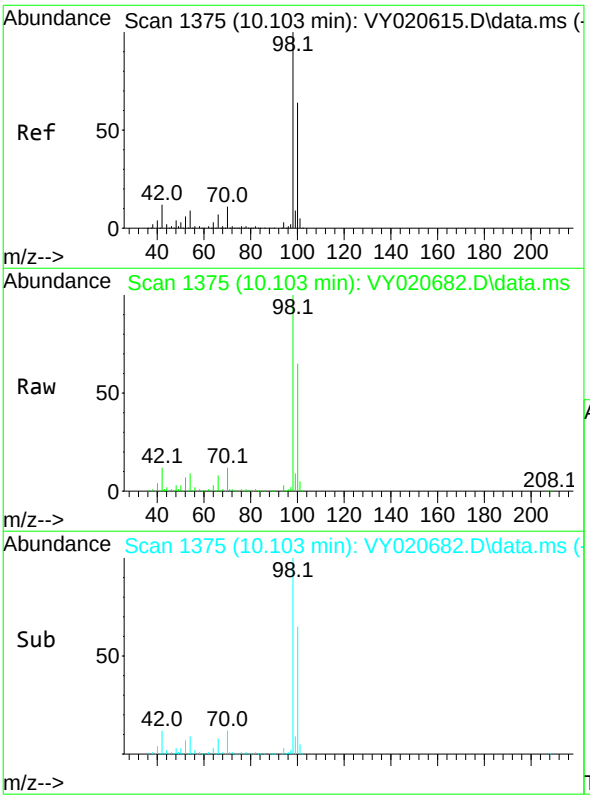
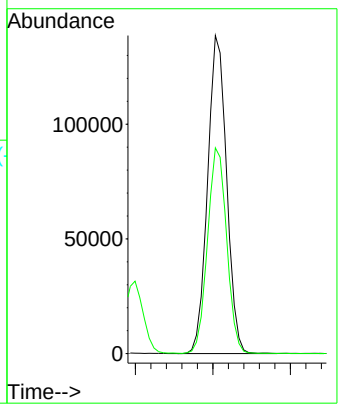
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

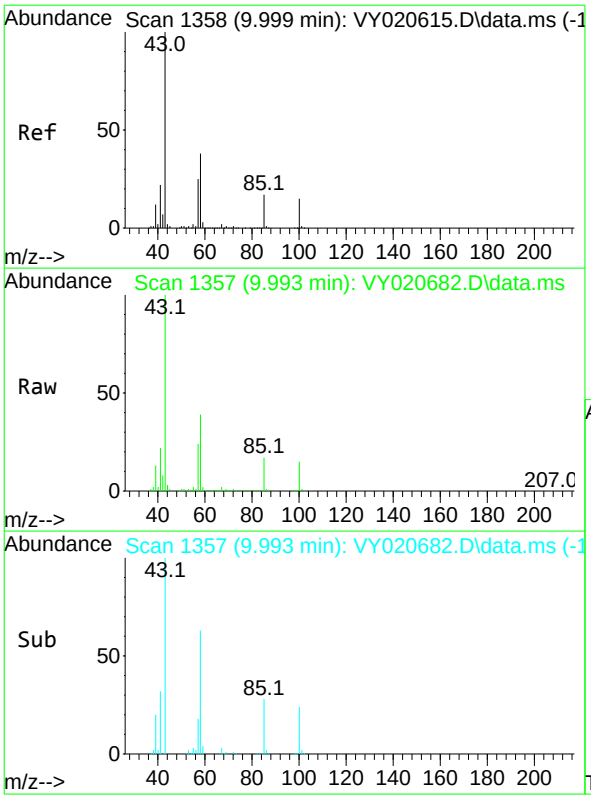


#50
Toluene-d8
Concen: 42.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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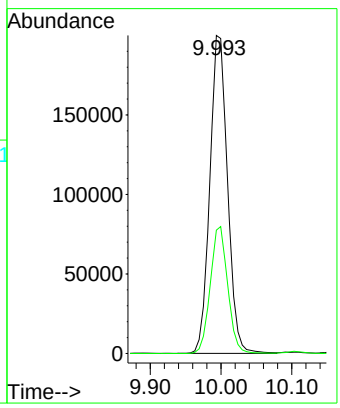
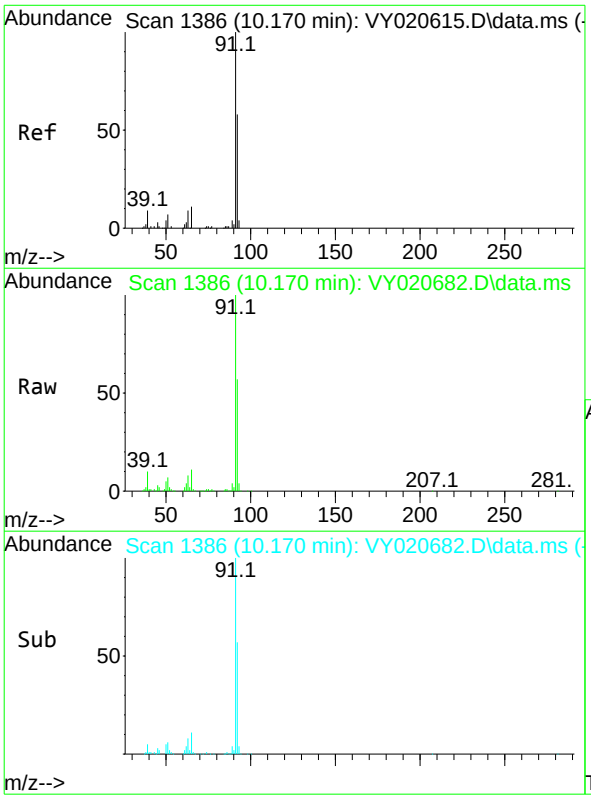
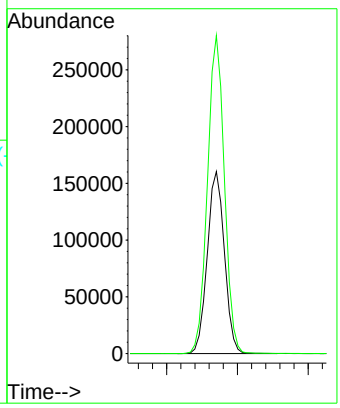


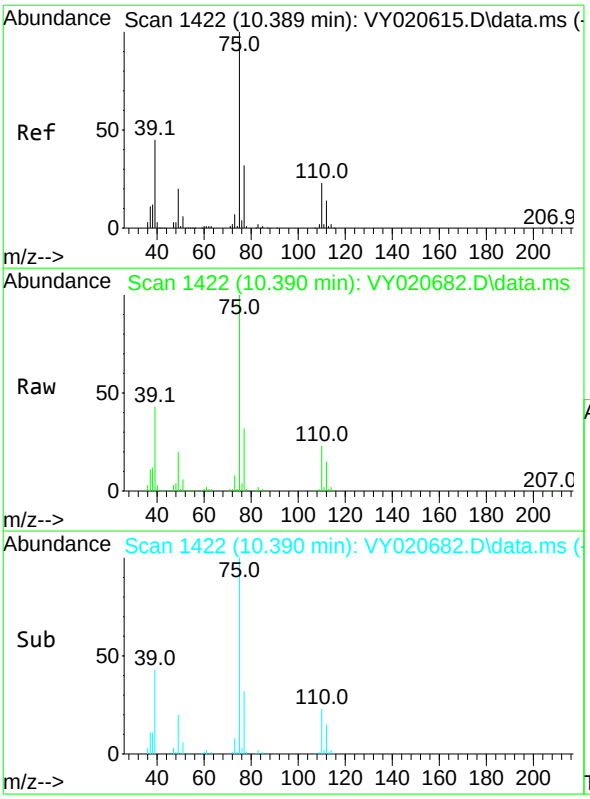


#52
Toluene
Concen: 51.164 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 92 Resp: 269709

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.4	206.0

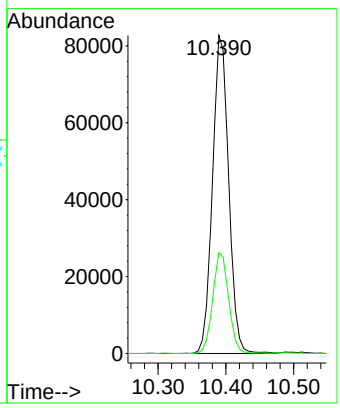




#53
t-1,3-Dichloropropene
Concen: 51.983 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 137082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
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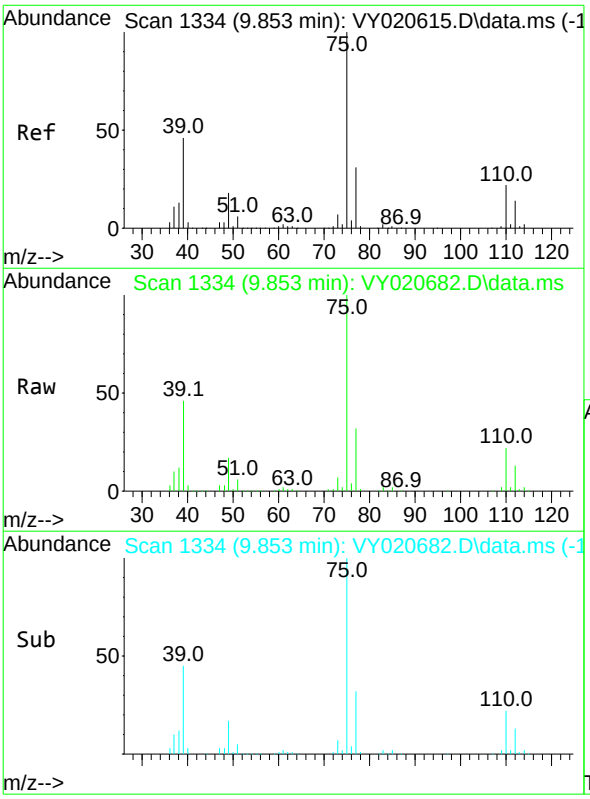
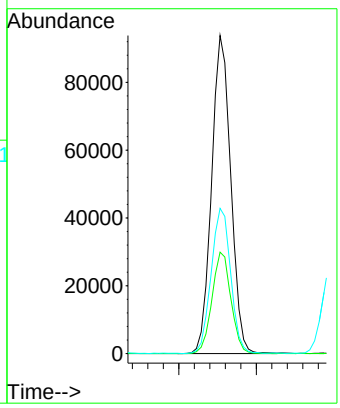
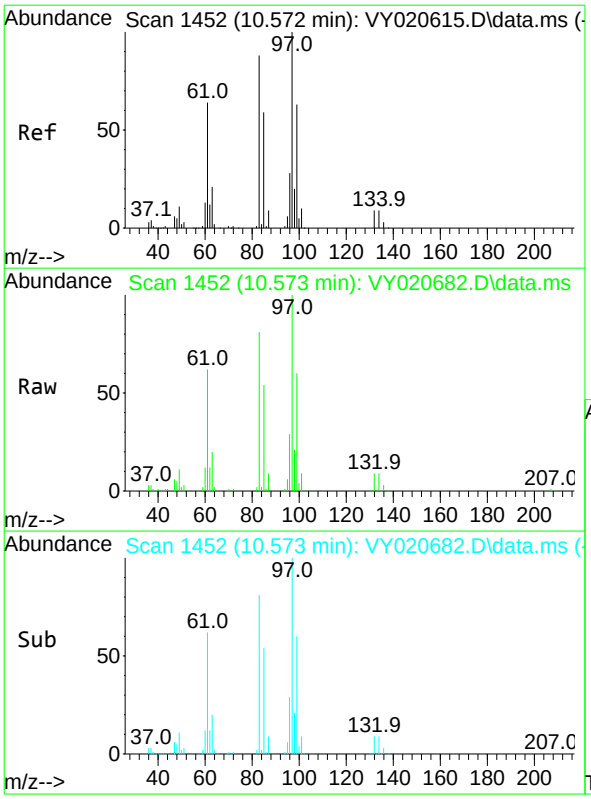


#54
cis-1,3-Dichloropropene
Concen: 51.582 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

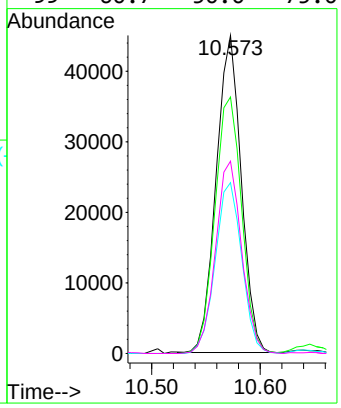




#55
1,1,2-Trichloroethane
Concen: 52.160 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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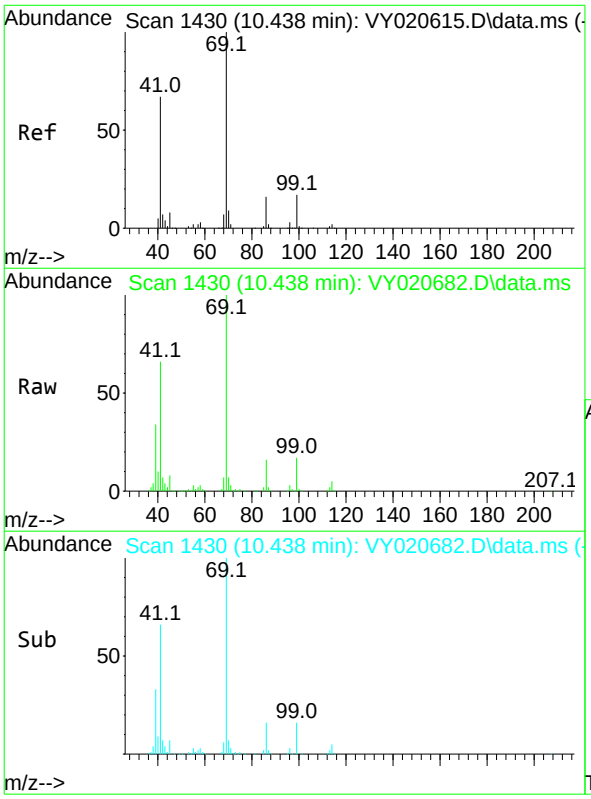
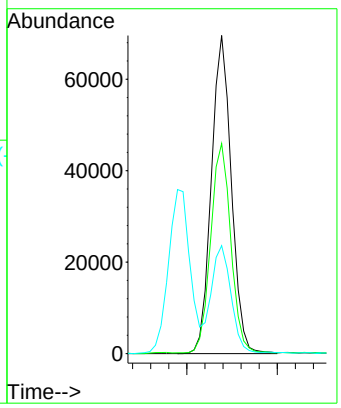
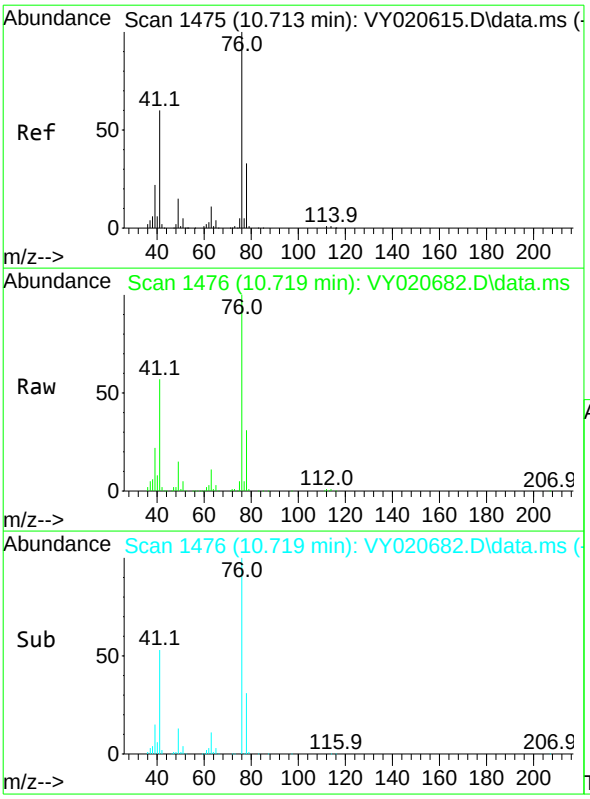


#56
Ethyl methacrylate
Concen: 53.177 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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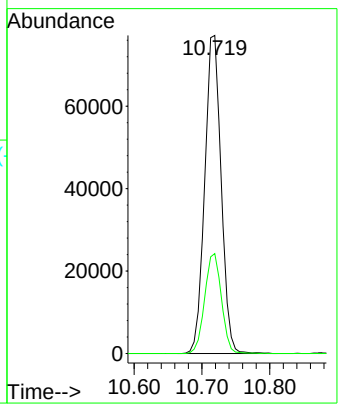
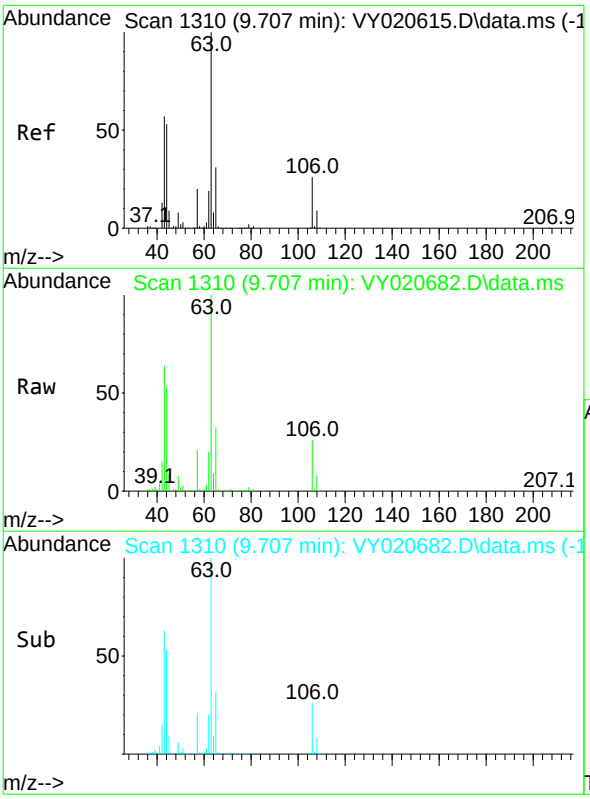
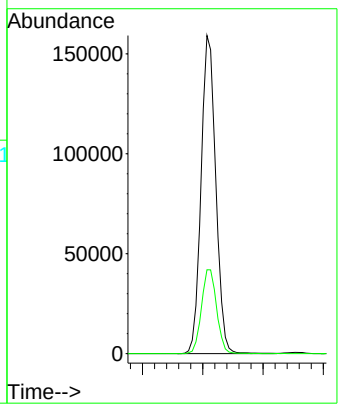


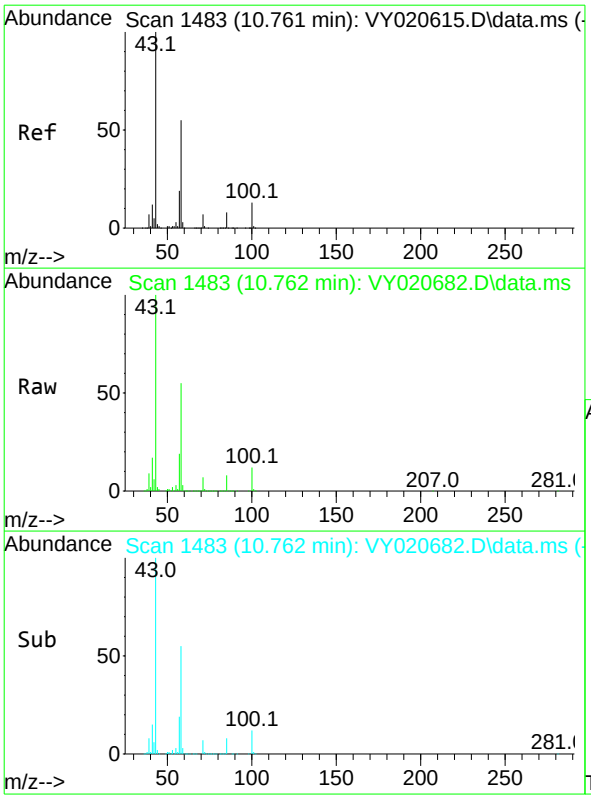


#58
2-Chloroethyl Vinyl ether
Concen: 318.460 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 269274

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

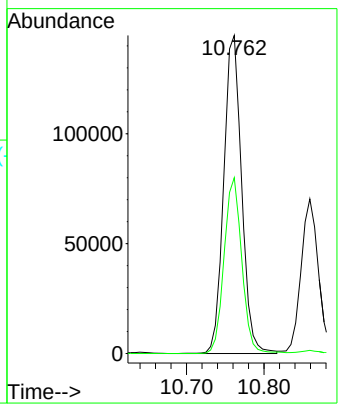




#59
2-Hexanone
Concen: 266.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 232450

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6



Instrument :
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ClientSampleId :
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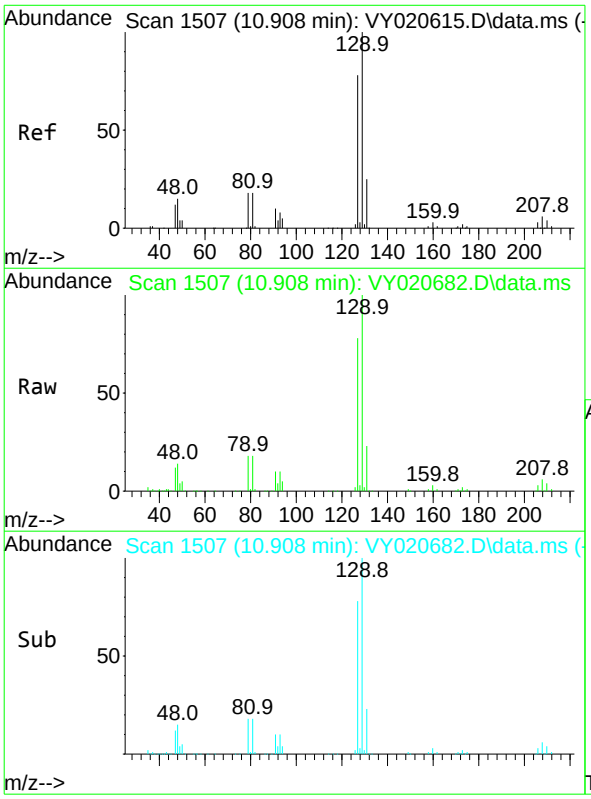
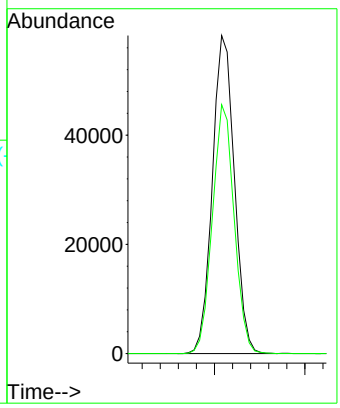
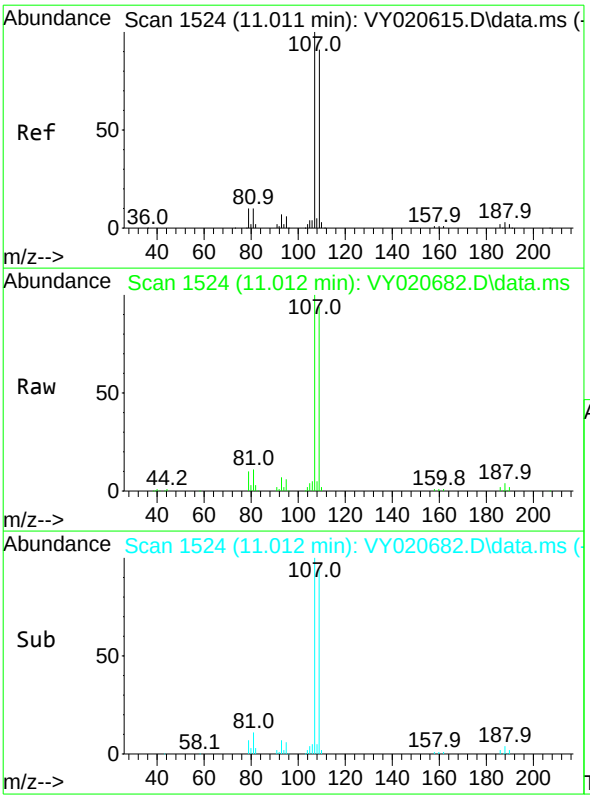


#60
Dibromochloromethane
Concen: 53.204 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
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ClientSampleId :
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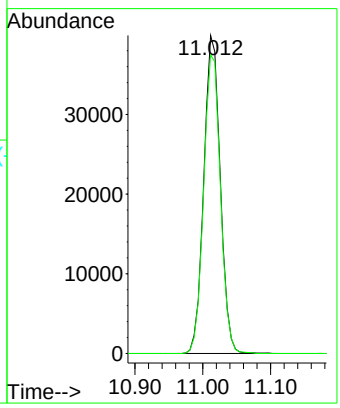
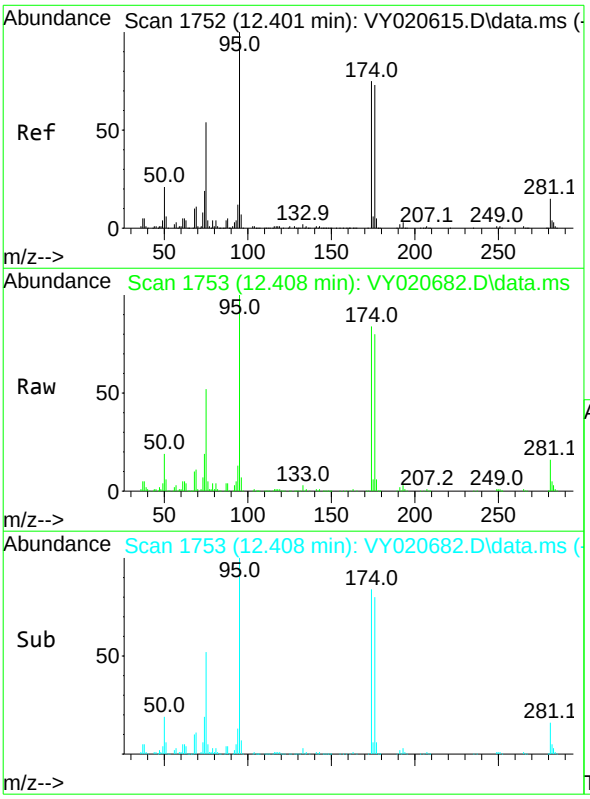
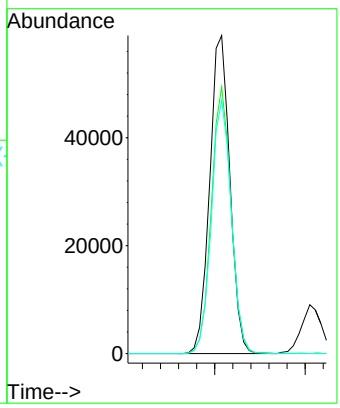


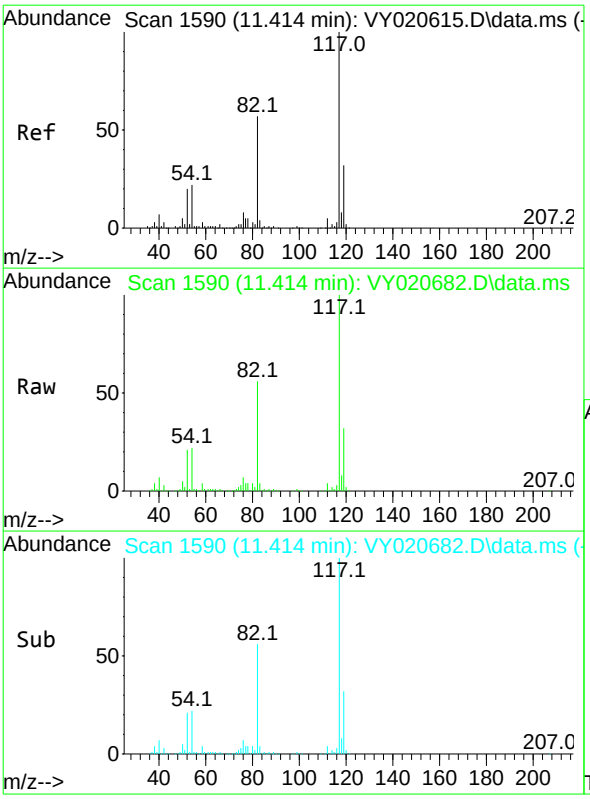


#62
4-Bromofluorobenzene
Concen: 42.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

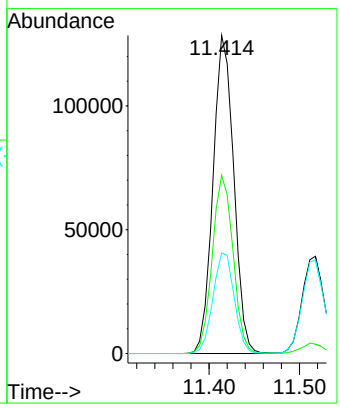




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



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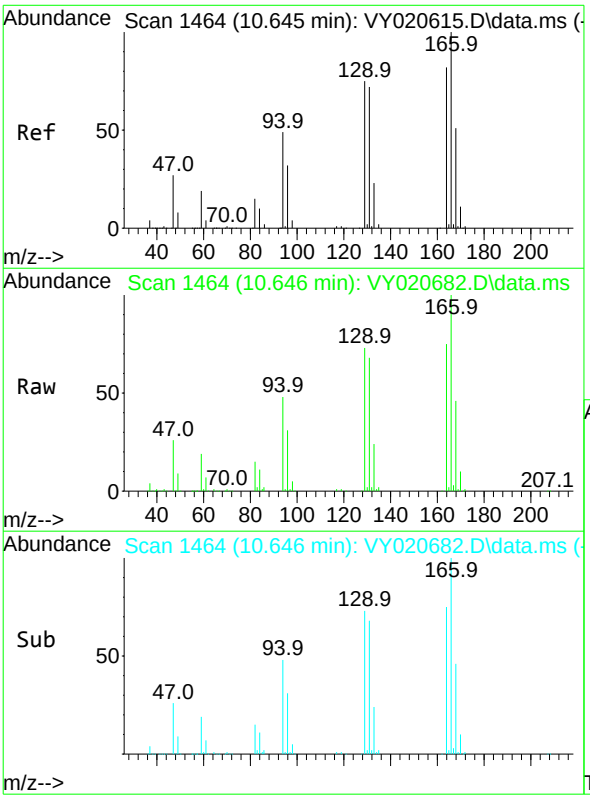
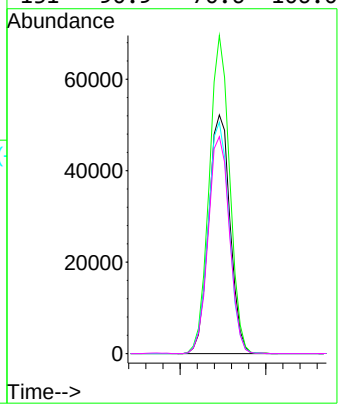
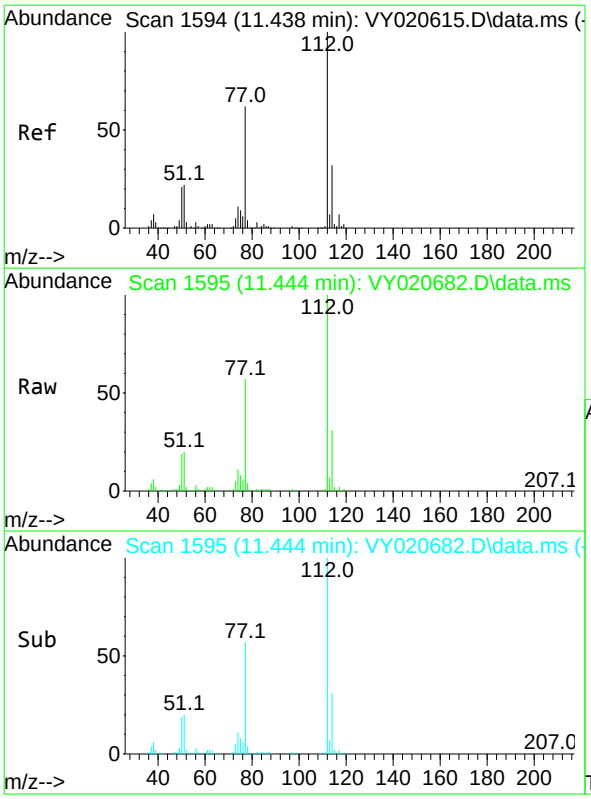


#64
Tetrachloroethene
Concen: 47.125 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

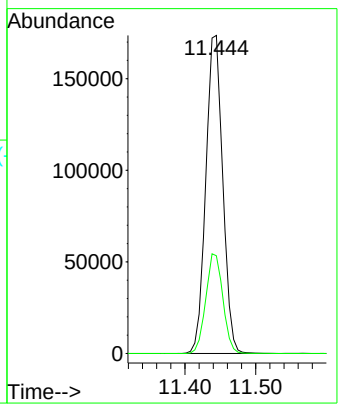




#65
Chlorobenzene
Concen: 50.396 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:112 Resp: 288406

Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0



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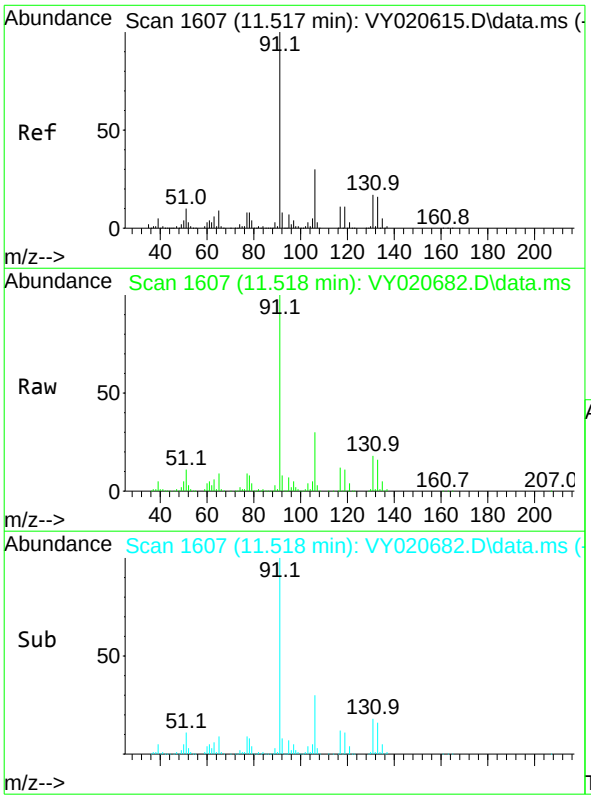
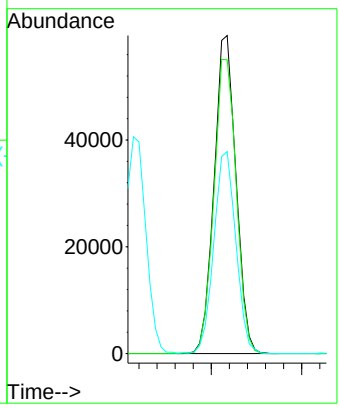
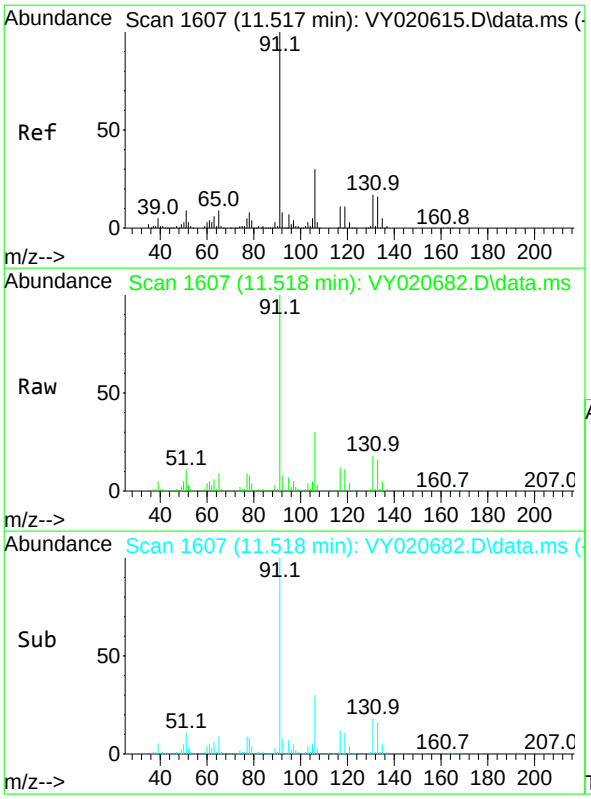


#66
1,1,1,2-Tetrachloroethane
Concen: 51.120 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

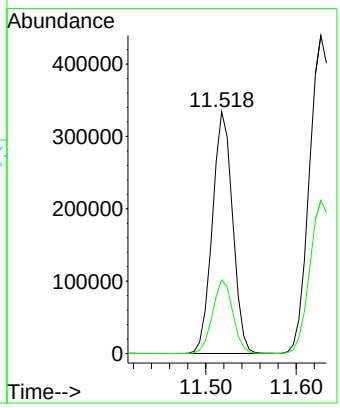




#67
Ethyl Benzene
Concen: 49.283 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 520329

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
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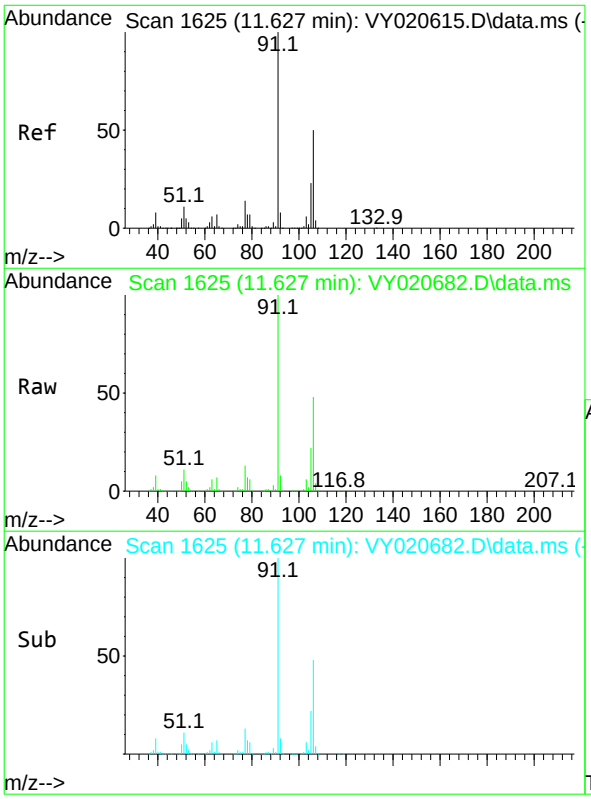
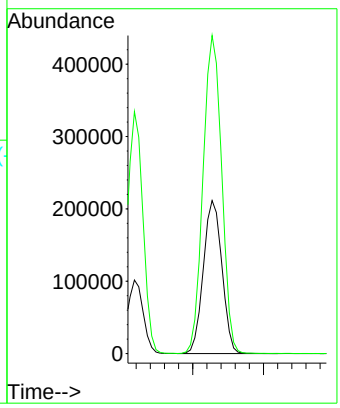
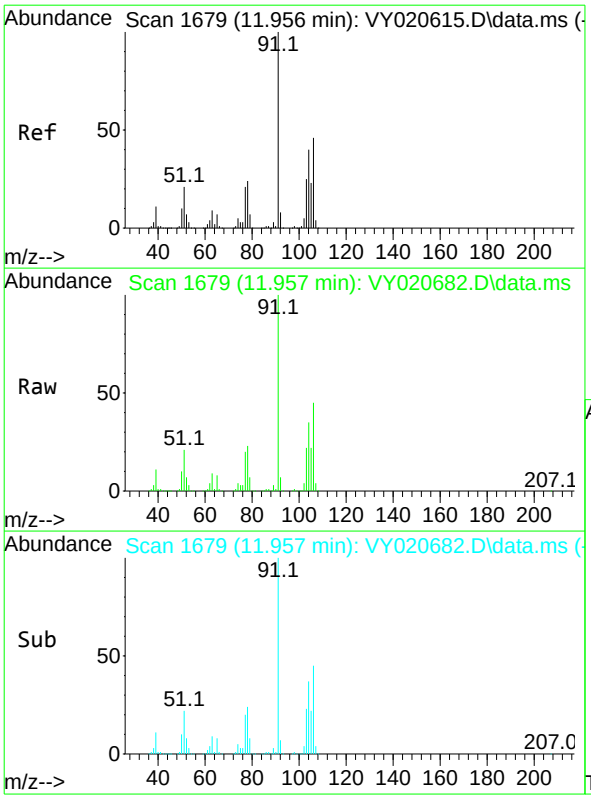


#68
m/p-Xylenes
Concen: 98.385 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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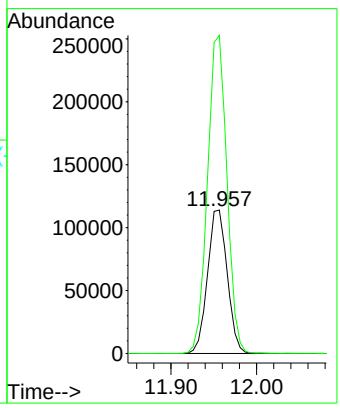
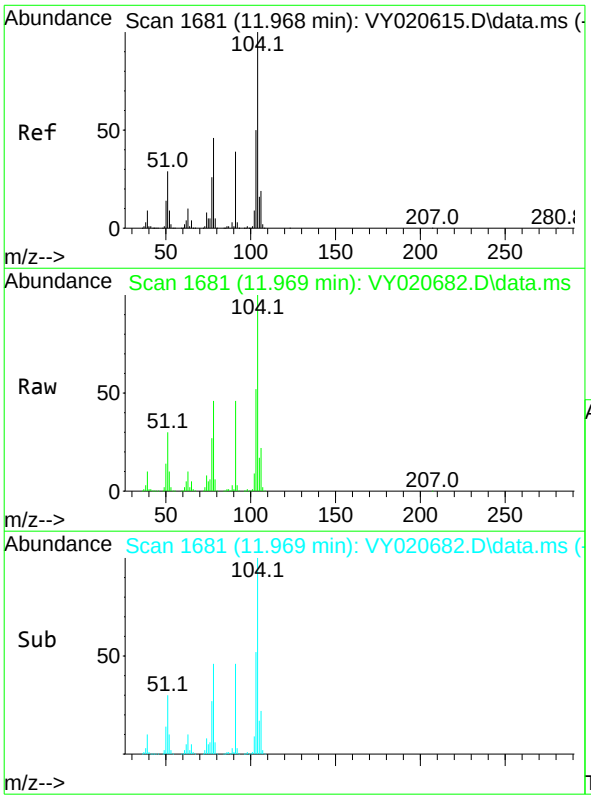
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

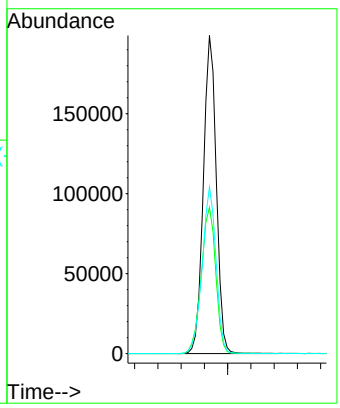


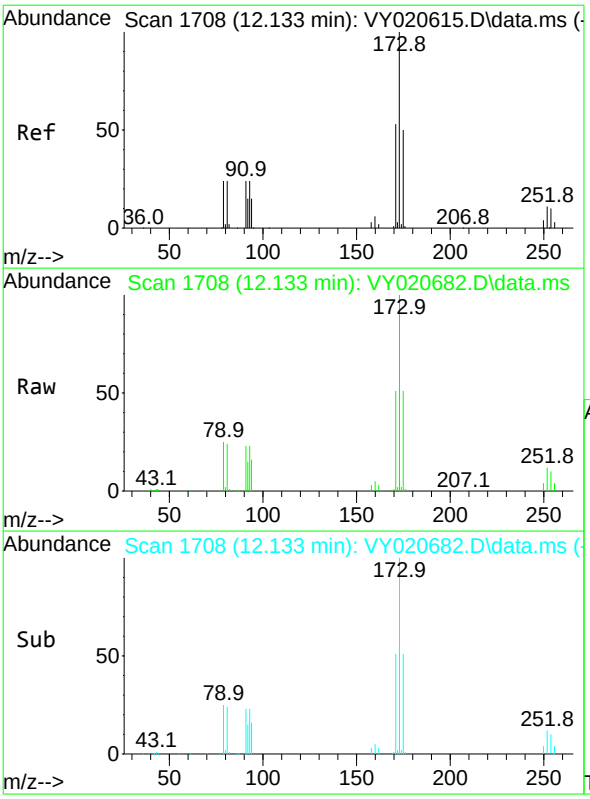


#70
Styrene
Concen: 50.345 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

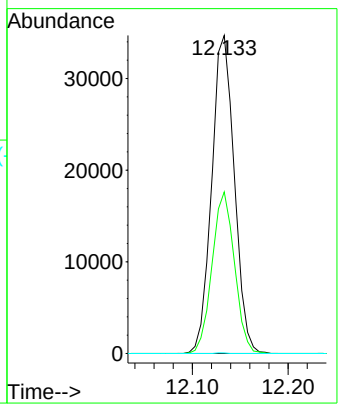




#71
Bromoform
Concen: 51.813 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
VSTDCCC050EC

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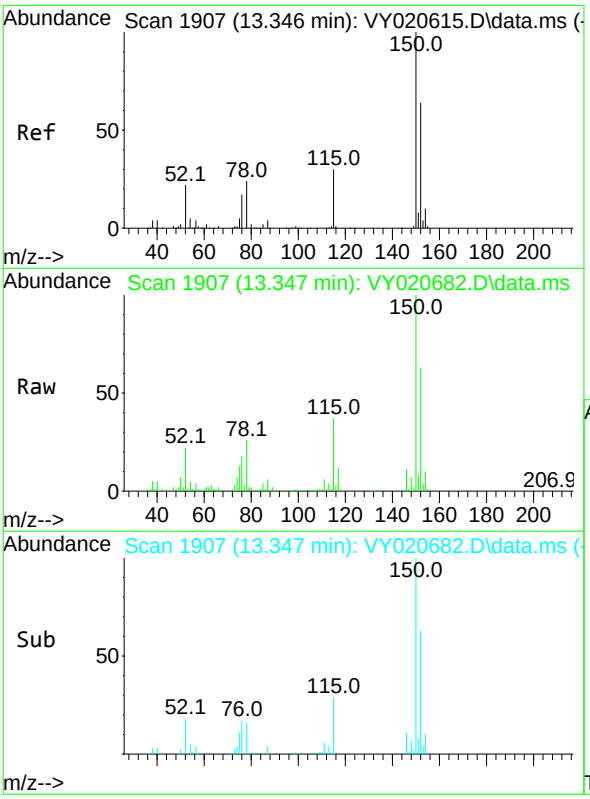
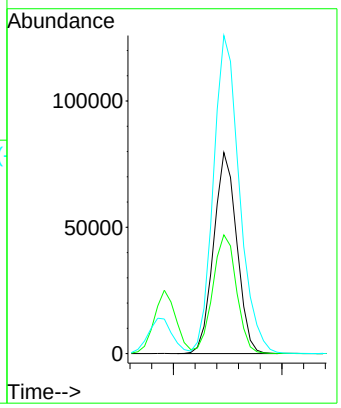
Supervised By :Mahesh Dadoda 12/24/2024

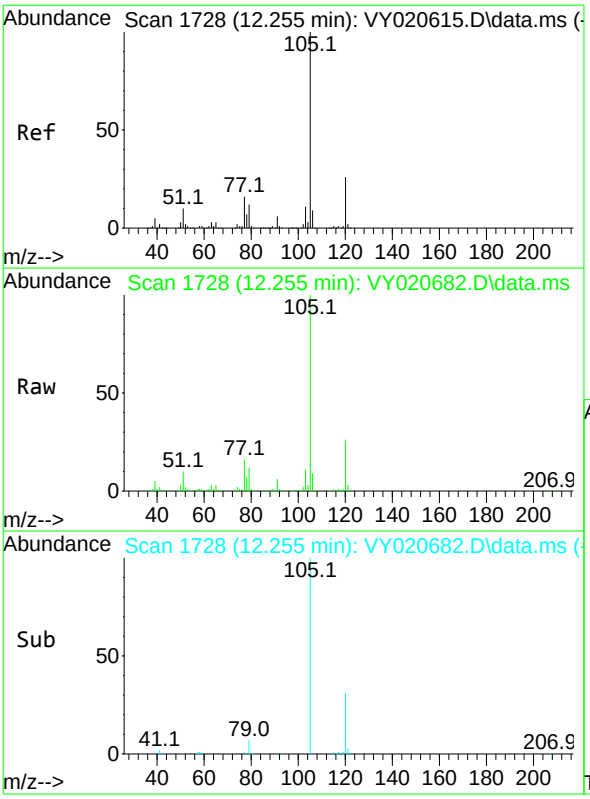


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

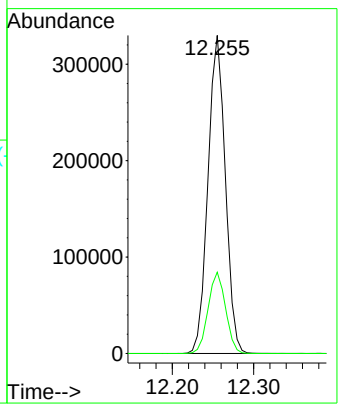




#73
Isopropylbenzene
Concen: 47.402 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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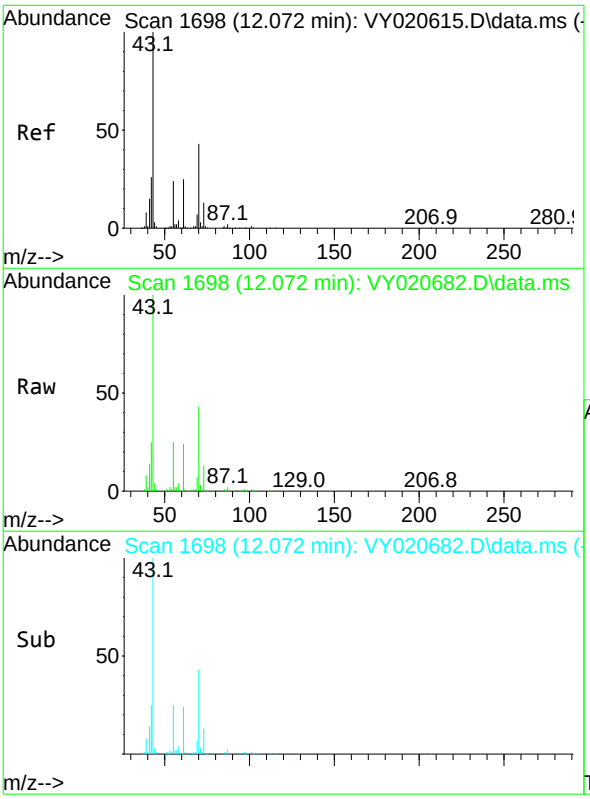
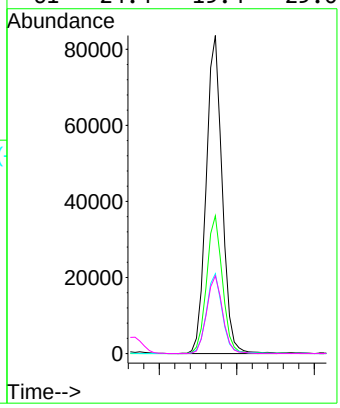
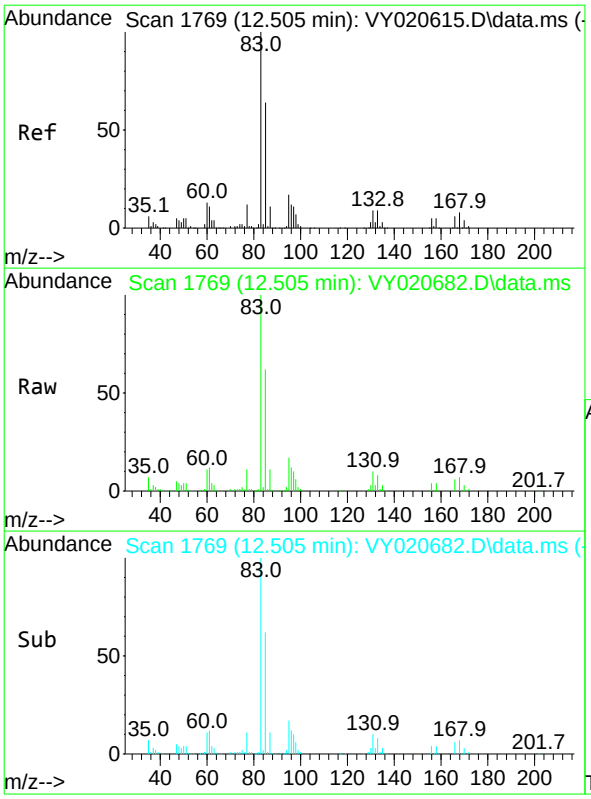


#74
N-amyl acetate
Concen: 49.676 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

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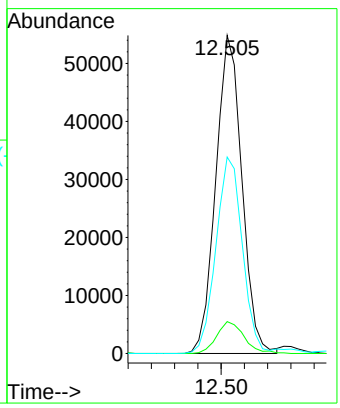
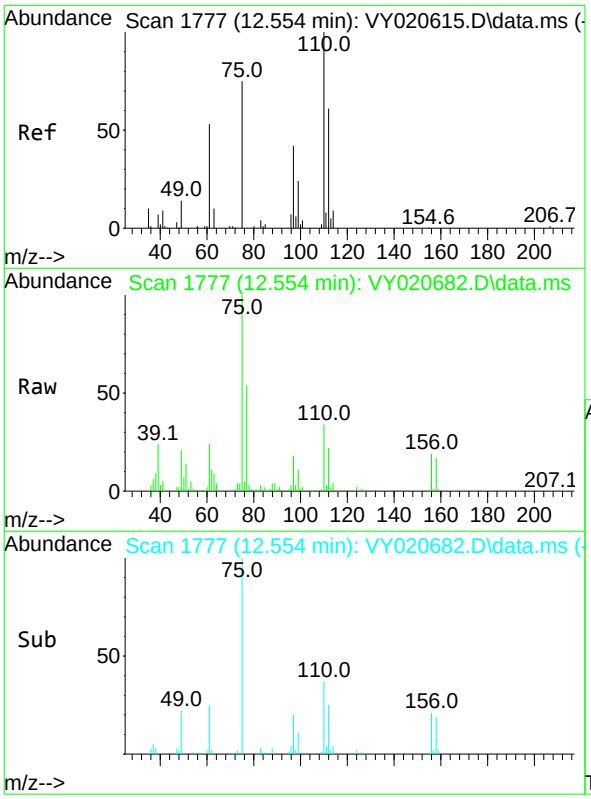
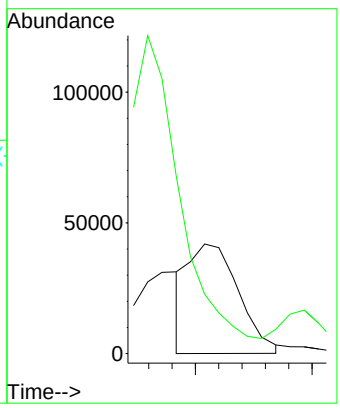


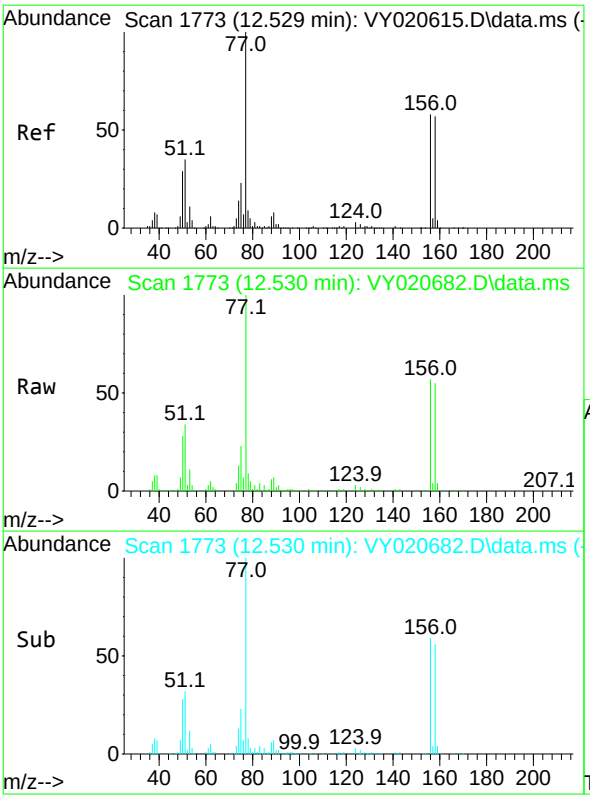


#76
1,2,3-Trichloropropane
Concen: 51.211 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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 :
VSTDCCC050EC

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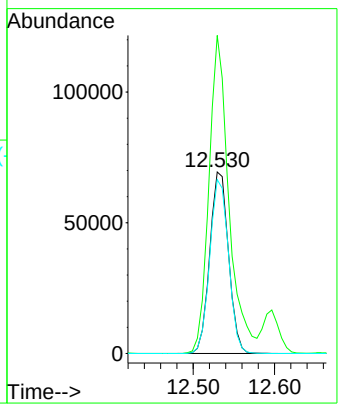
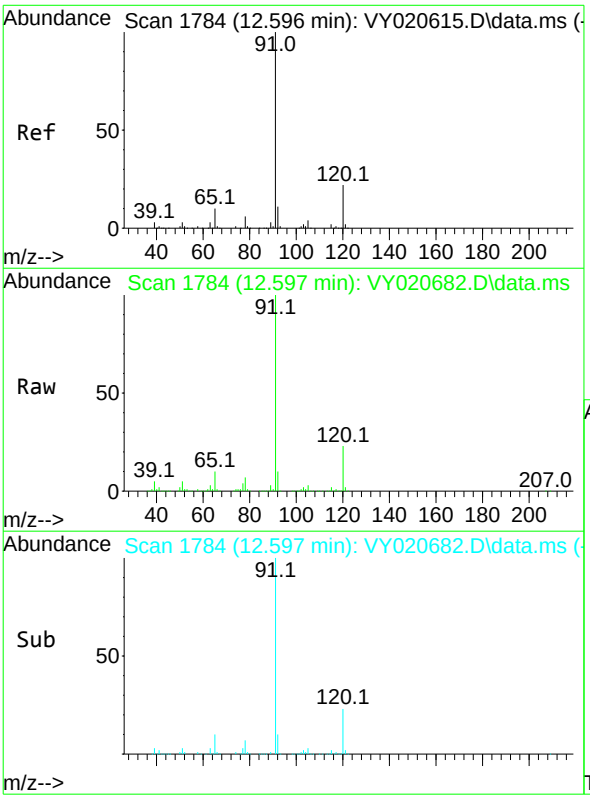
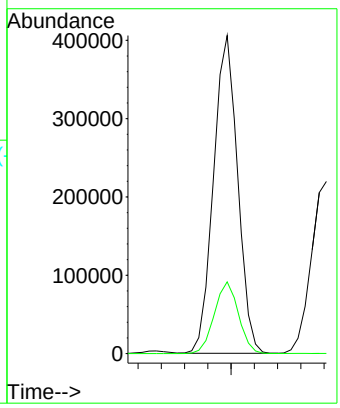


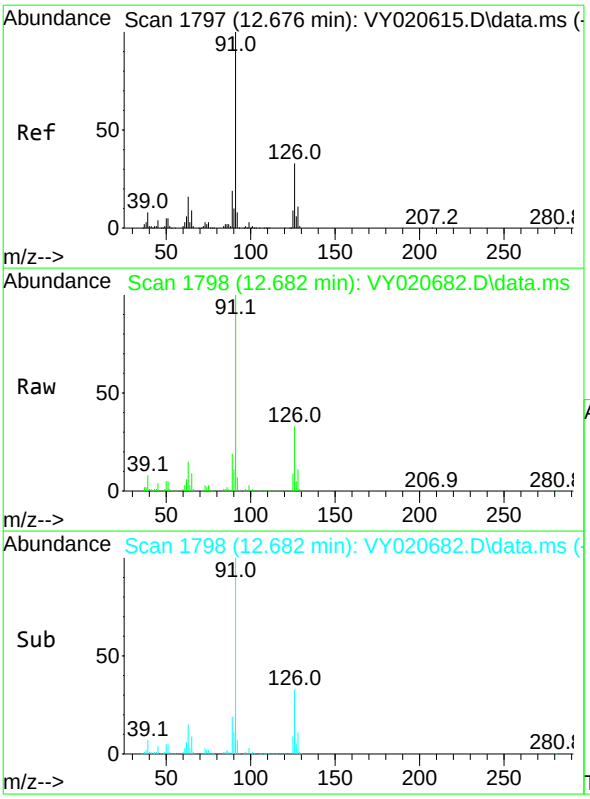


#78
n-propylbenzene
Concen: 47.158 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 585185

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1

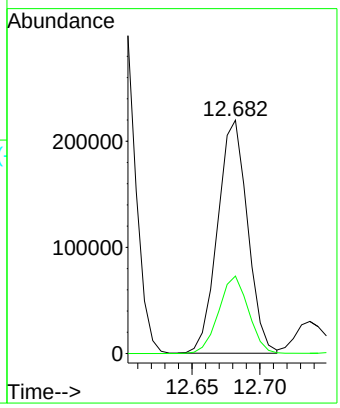




#79
2-Chlorotoluene
Concen: 48.298 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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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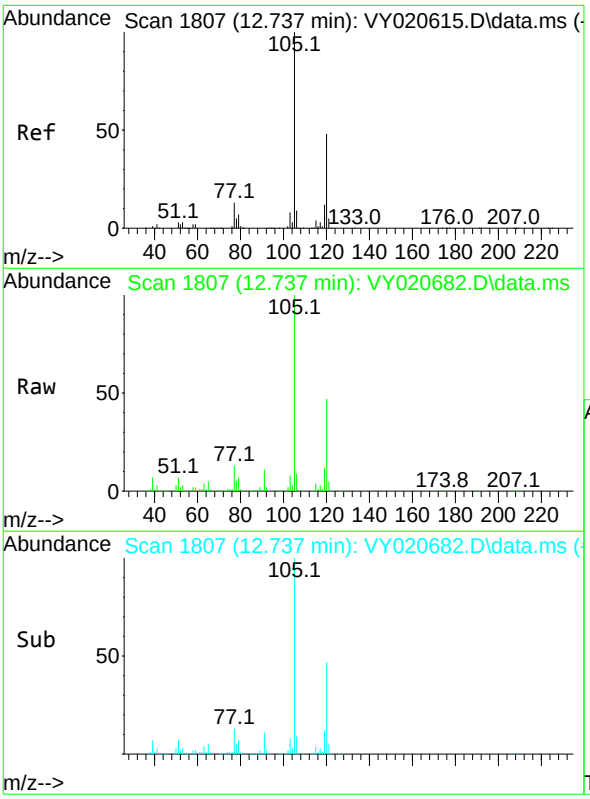
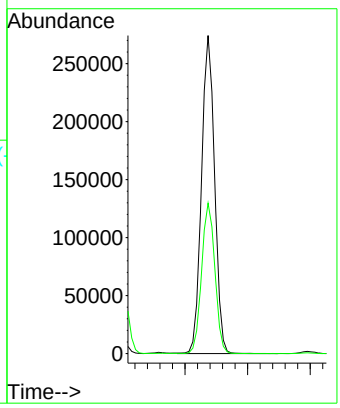
Supervised By :Mahesh Dadoda 12/24/2024

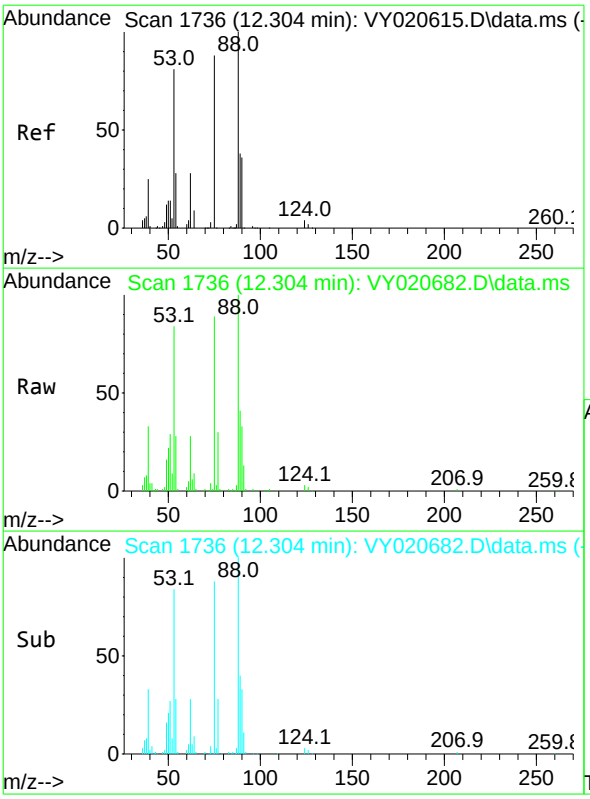


#80
1,3,5-Trimethylbenzene
Concen: 47.693 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

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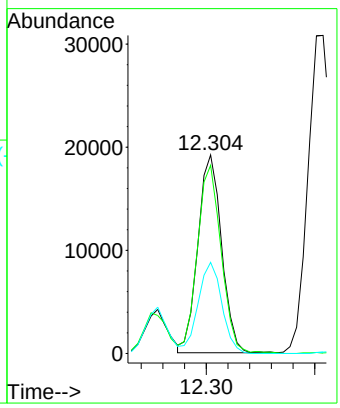
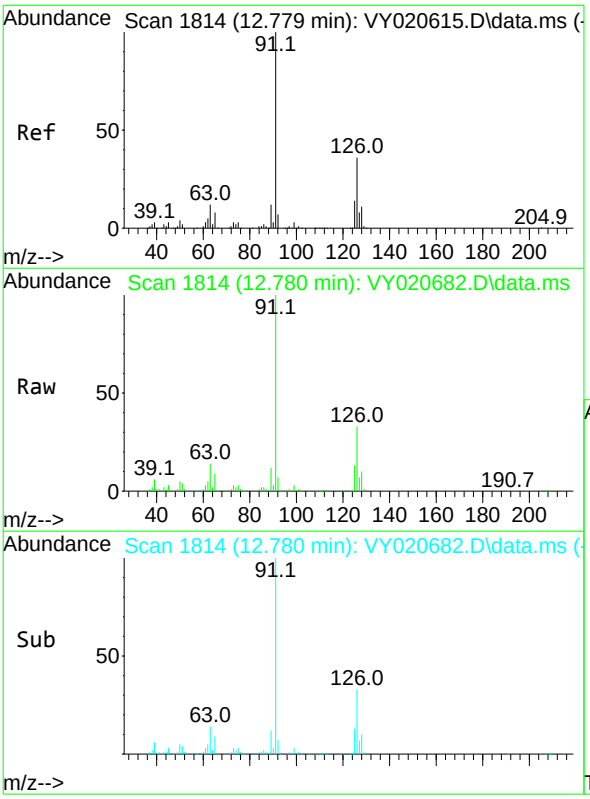
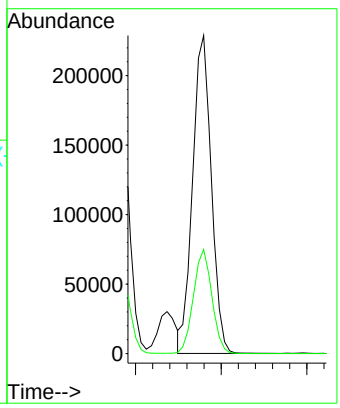


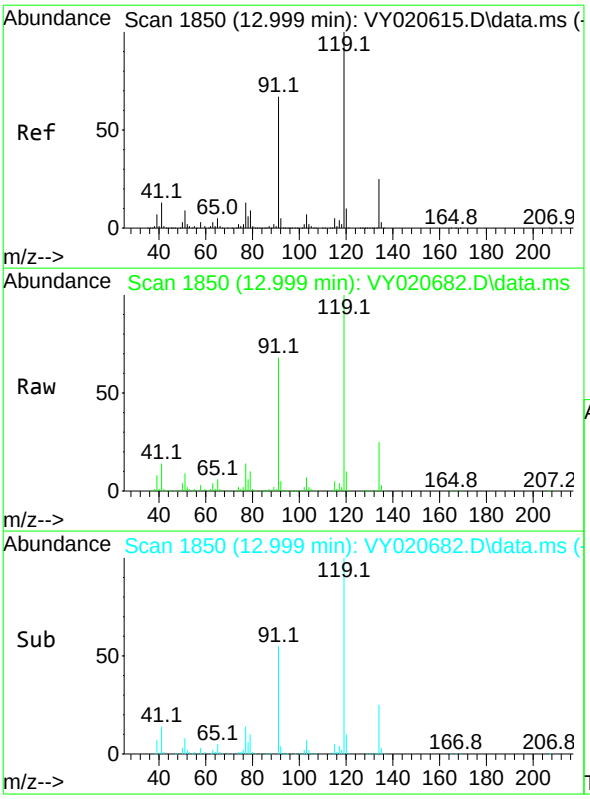


#82
4-Chlorotoluene
Concen: 47.838 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

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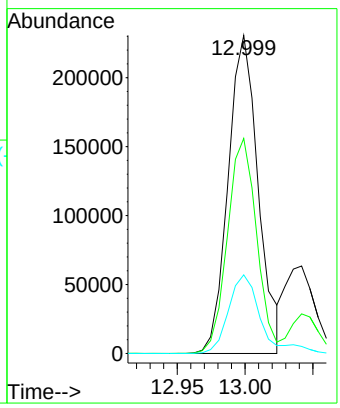
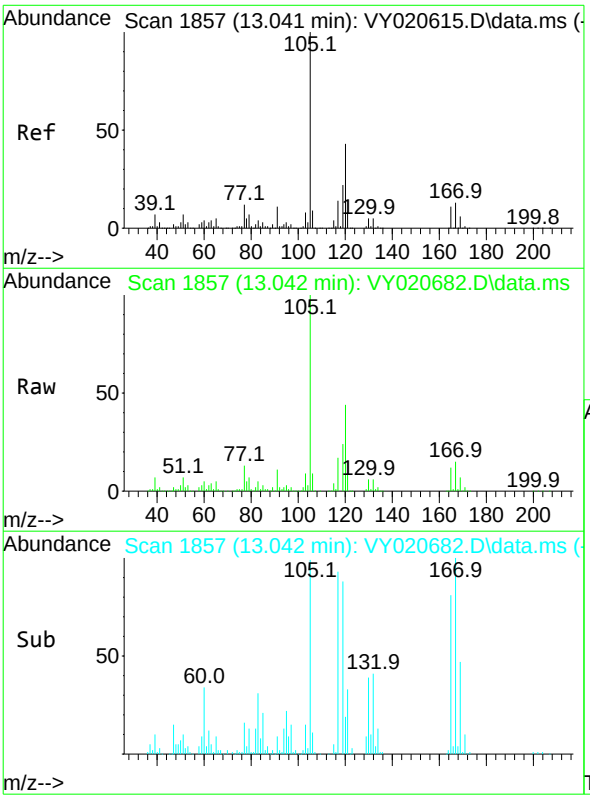
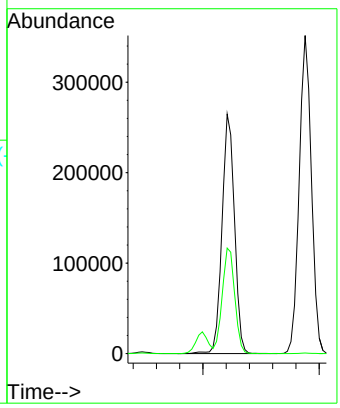


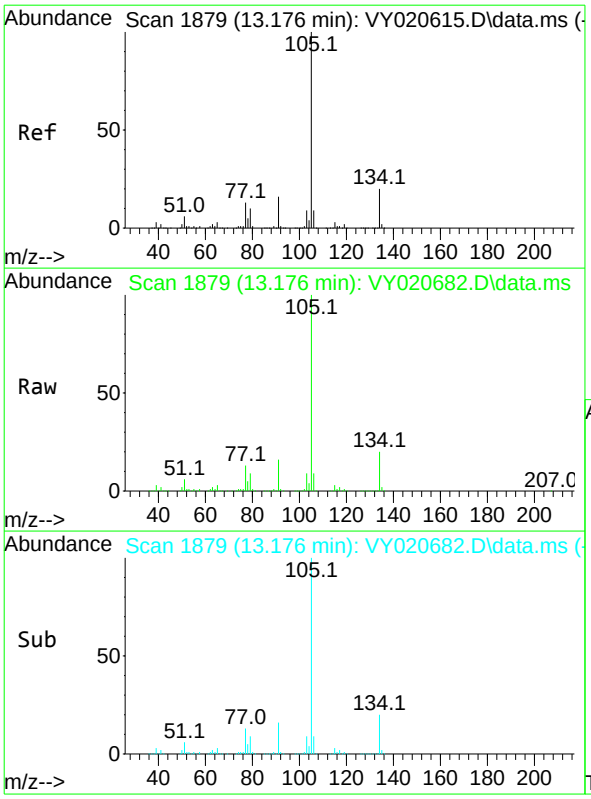


#84
1,2,4-Trimethylbenzene
Concen: 48.012 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 393582

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4

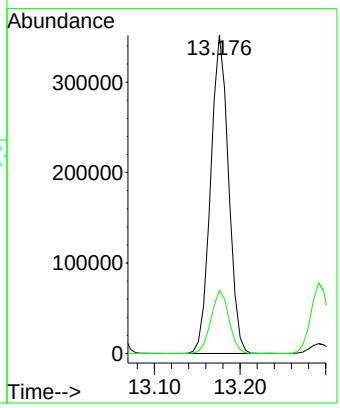




#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 510662

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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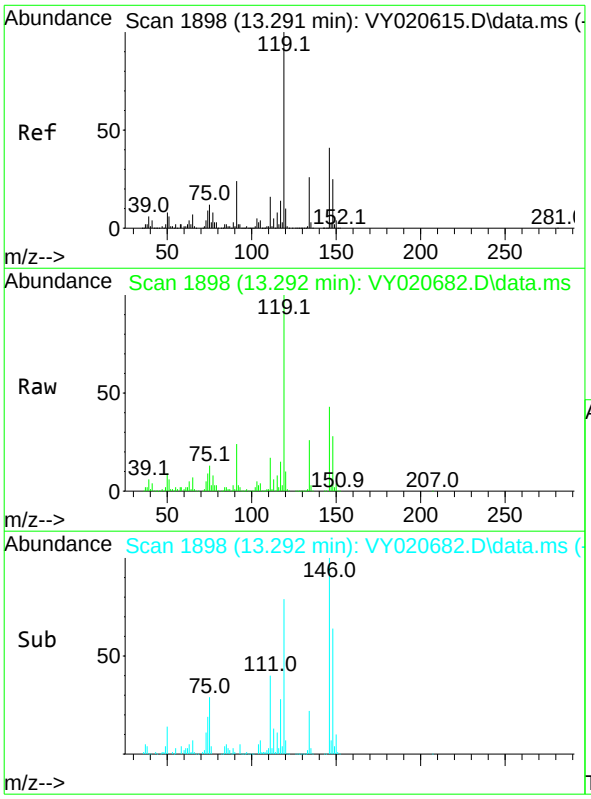
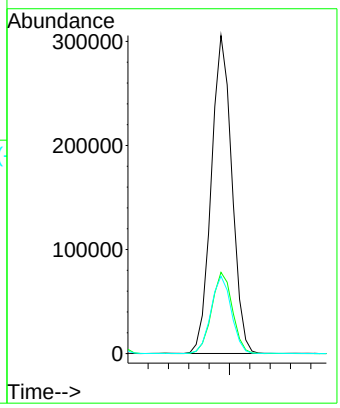
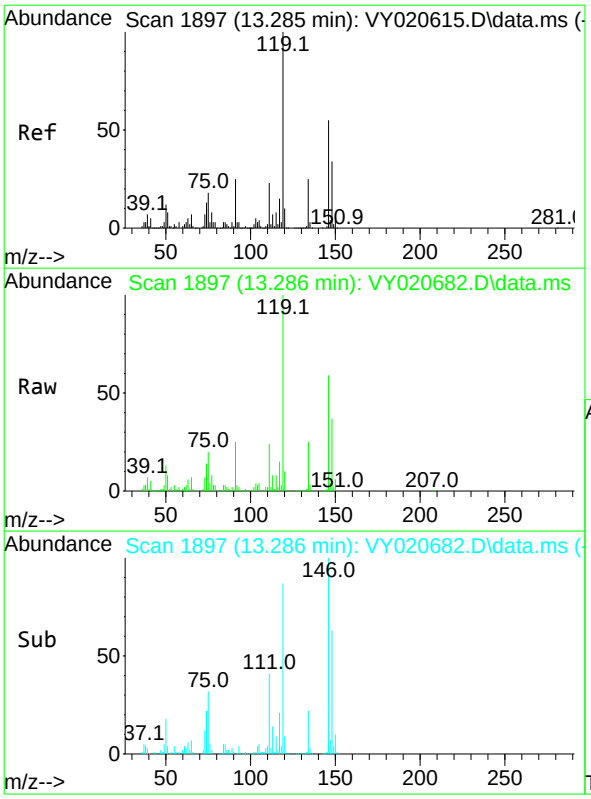


#86
p-Isopropyltoluene
Concen: 47.333 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

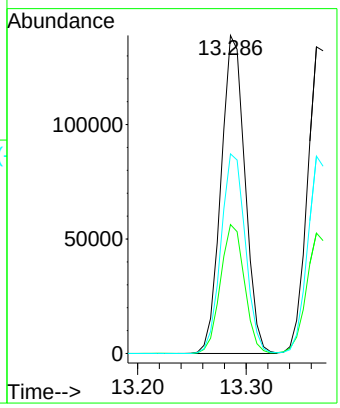




#87
1,3-Dichlorobenzene
Concen: 48.040 ug/l
RT: 13.286 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 212764

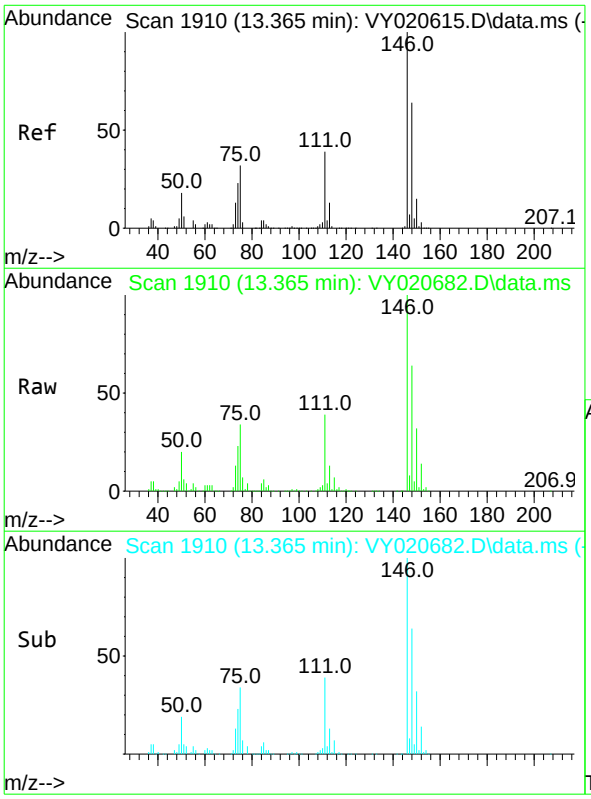
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

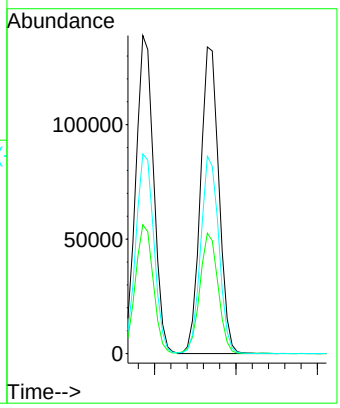
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

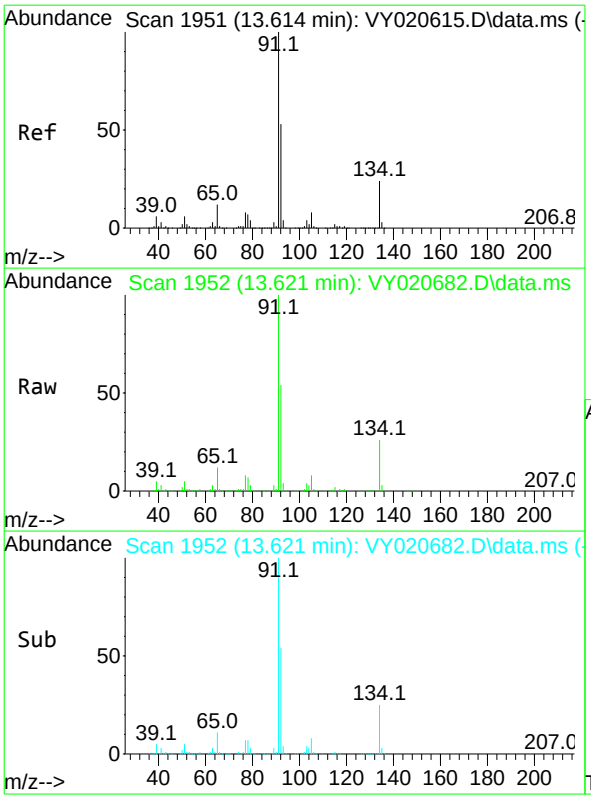


#88
1,4-Dichlorobenzene
Concen: 47.998 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

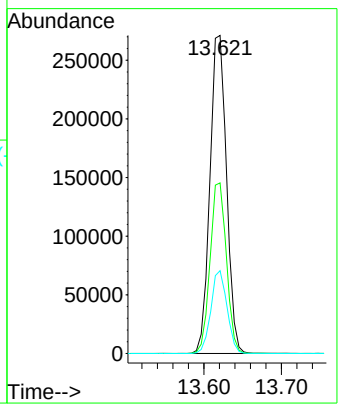




#89
n-Butylbenzene
Concen: 46.895 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 403246

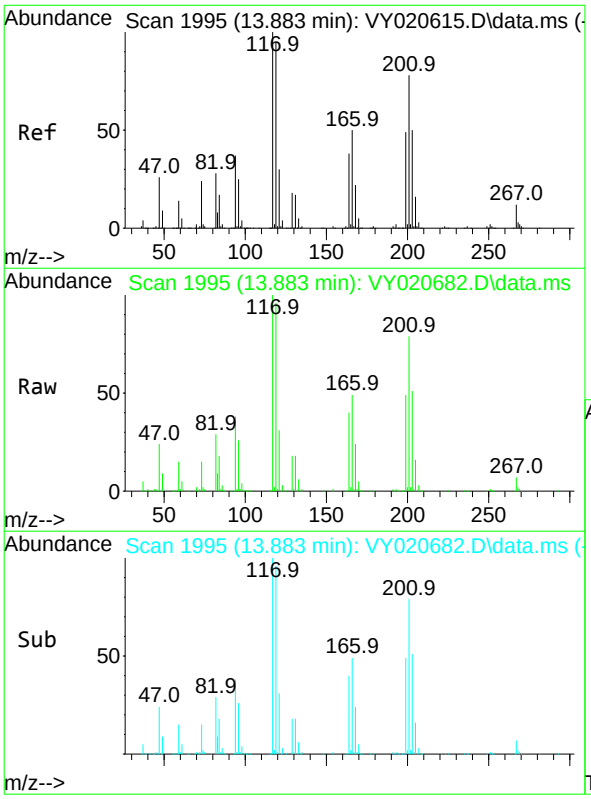
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	25.4	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

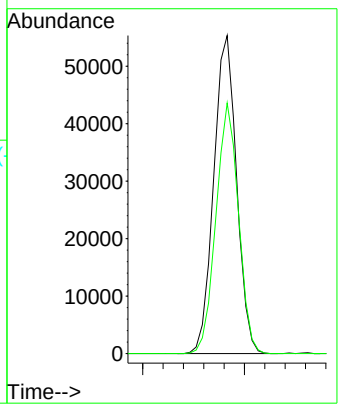
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

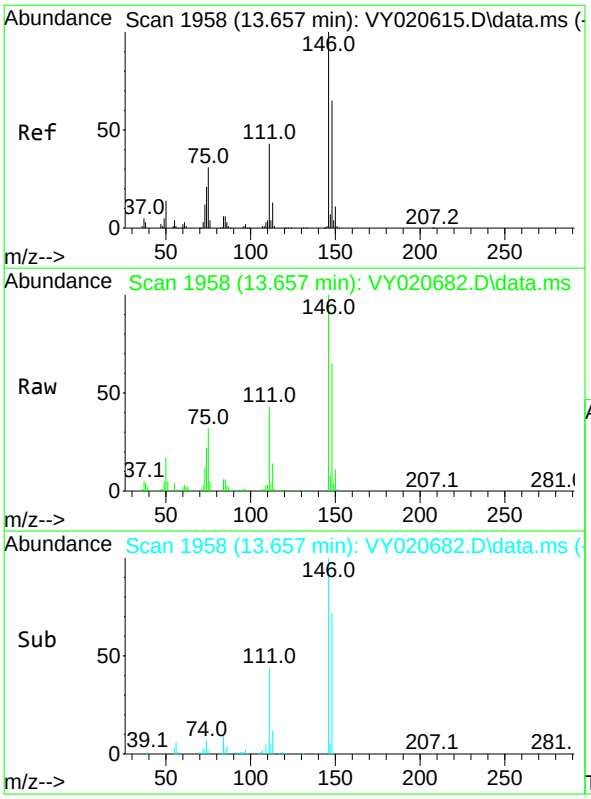


#90
Hexachloroethane
Concen: 47.992 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 86293

Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3

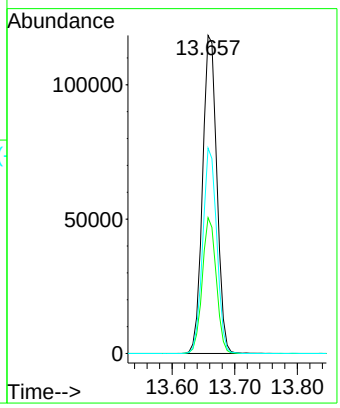




#91
1,2-Dichlorobenzene
Concen: 48.776 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 187168

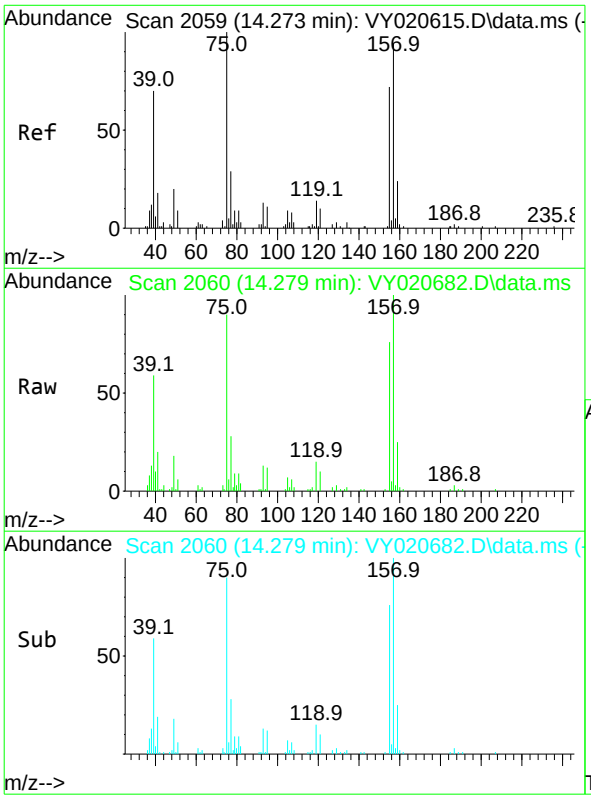
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

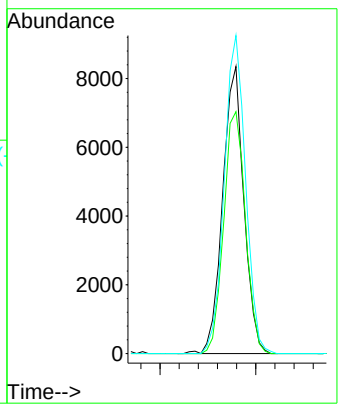
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

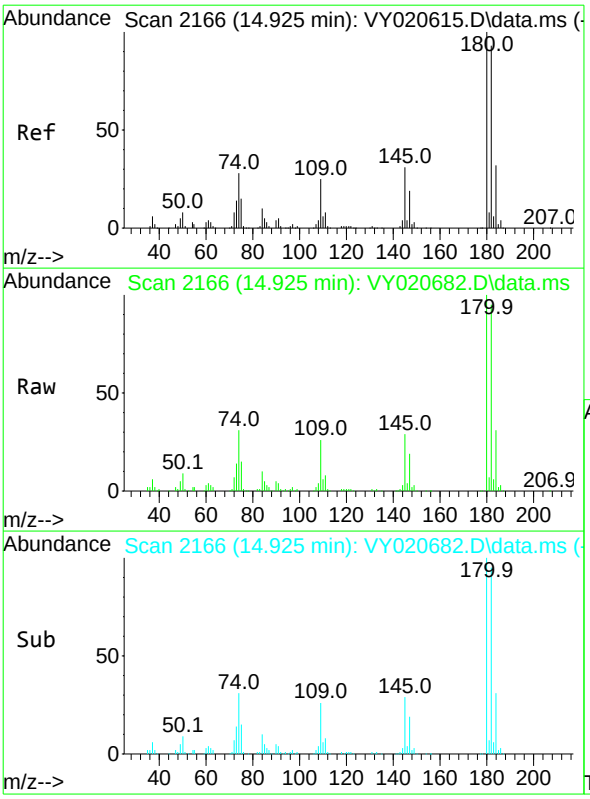


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.271 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

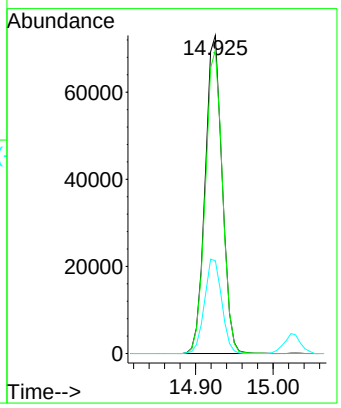




#93
1,2,4-Trichlorobenzene
Concen: 47.858 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:180 Resp: 111082

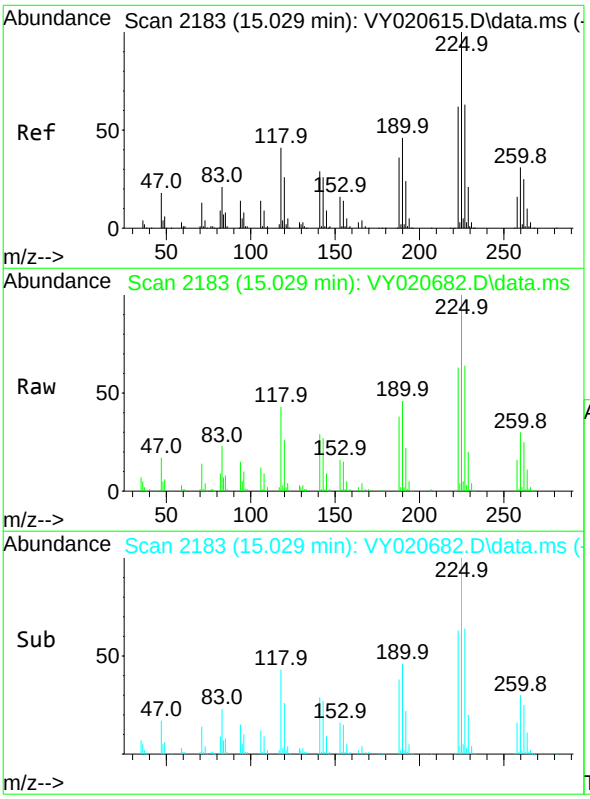
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	30.1	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

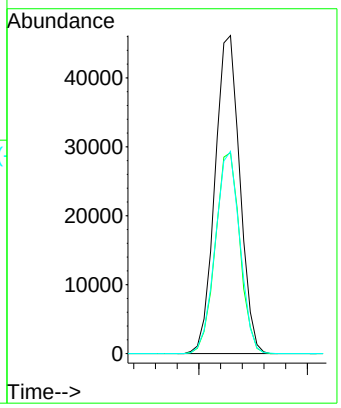
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

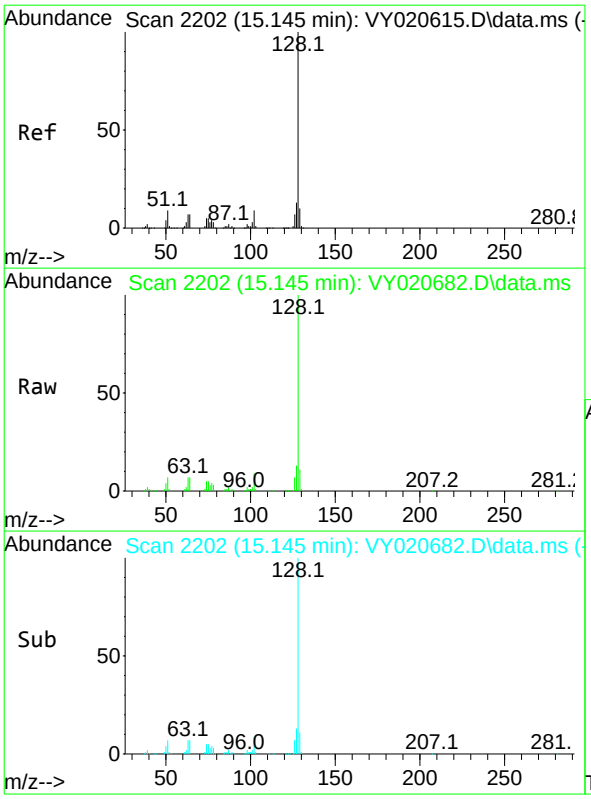


#94
Hexachlorobutadiene
Concen: 48.301 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

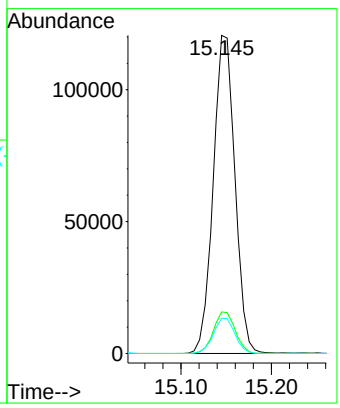




#95
Naphthalene
Concen: 50.583 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:128 Resp: 201284

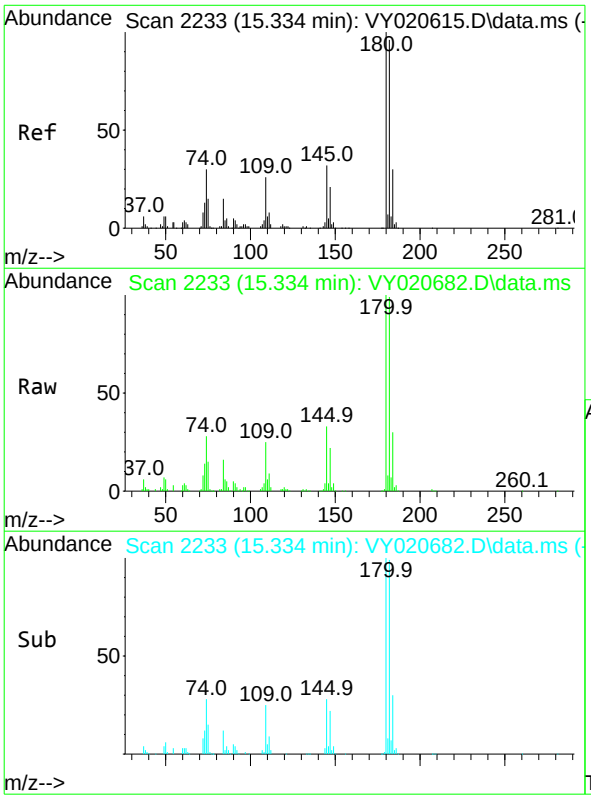
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

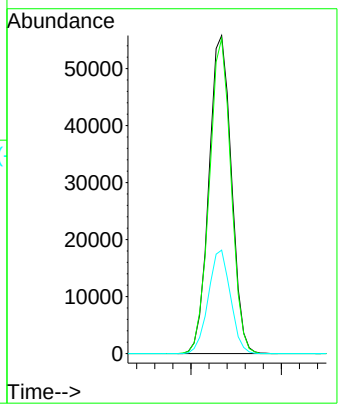
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#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: **VY020704.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/23/2024 20:10

Lab File ID: VY020704.D Init. Calib. Date(s): 12/23/2024 12/23/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:30 13:24

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.385	0.378		-1.82	50
Chloromethane	0.157	0.153	0.1	-2.55	50
Vinyl Chloride	0.191	0.173		-9.42	50
Bromomethane	0.135	0.133		-1.48	50
Chloroethane	0.116	0.111		-4.31	50
Tetrahydrofuran	0.042	0.042		0	50
Trichlorofluoromethane	0.688	0.683		-0.73	50
1,1,2-Trichlorotrifluoroethane	0.376	0.363		-3.46	50
1,1-Dichloroethene	0.333	0.335		0.6	50
Acrylonitrile	0.061	0.062		1.64	50
Acetone	0.051	0.045		-11.77	50
Carbon Disulfide	0.831	0.864		3.97	50
Methyl tert-butyl Ether	0.907	0.938		3.42	50
Methylene Chloride	0.337	0.342		1.48	50
trans-1,2-Dichloroethene	0.360	0.369		2.5	50
1,1-Dichloroethane	0.596	0.620	0.1	4.03	50
2-Butanone	0.071	0.069		-2.82	50
Carbon Tetrachloride	0.577	0.584		1.21	50
2,2-Dichloropropane	0.746	0.720		-3.48	50
cis-1,2-Dichloroethene	0.428	0.441		3.04	50
Chloroform	0.783	0.783		0	50
1,1,1-Trichloroethane	0.818	0.825		0.86	50
1,1-Dichloropropene	0.357	0.359		0.56	50
Benzene	1.030	1.069		3.79	50
1,2-Dichloroethane	0.327	0.338		3.36	50
Trichloroethene	0.306	0.306		0	50
1,2-Dichloropropane	0.202	0.208		2.97	50
Dibromomethane	0.140	0.150		7.14	50
Bromodichloromethane	0.396	0.410		3.54	50
4-Methyl-2-Pentanone	0.121	0.121		0	50
Toluene	0.701	0.736		4.99	50
t-1,3-Dichloropropene	0.351	0.365		3.99	50
cis-1,3-Dichloropropene	0.386	0.400		3.63	50
1,1,2-Trichloroethane	0.181	0.187		3.32	50
1,3-Dichloropropane	0.296	0.310		4.73	50
2-Hexanone	0.077	0.081		5.2	50
Dibromochloromethane	0.289	0.308		6.57	50
1,2-Dibromoethane	0.170	0.174		2.35	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY020704.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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG No.: P5306

Instrument ID: MSVOA_Y Calibration Date/Time: 12/23/2024 20:10

Lab File ID: VY020704.D Init. Calib. Date(s): 12/23/2024 12/23/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:30 13:24

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.332	0.336		1.21	50
Chlorobenzene	0.934	0.961	0.3	2.89	50
1,1,1,2-Tetrachloroethane	0.365	0.374		2.47	50
Ethyl Benzene	1.676	1.695		1.13	50
m/p-Xylenes	0.639	0.651		1.88	50
o-Xylene	0.600	0.622		3.67	50
Styrene	1.010	1.058		4.75	50
Bromoform	0.209	0.212	0.1	1.43	50
Isopropylbenzene	3.401	3.306		-2.79	50
1,1,2,2-Tetrachloroethane	0.438	0.415	0.3	-5.25	50
1,2,3-Trichloropropane	0.345	0.321		-6.96	50
Bromobenzene	0.774	0.771		-0.39	50
n-propylbenzene	3.834	3.736		-2.56	50
2-Chlorotoluene	2.183	2.135		-2.2	50
1,3,5-Trimethylbenzene	2.821	2.812		-0.32	50
4-Chlorotoluene	2.226	2.215		-0.49	50
tert-Butylbenzene	2.625	2.577		-1.83	50
1,2,4-Trimethylbenzene	2.756	2.736		-0.73	50
sec-Butylbenzene	3.534	3.496		-1.08	50
p-Isopropyltoluene	3.090	3.122		1.04	50
1,3-Dichlorobenzene	1.504	1.506		0.13	50
1,4-Dichlorobenzene	1.474	1.485		0.75	50
n-Butylbenzene	2.603	2.638		1.35	50
1,2-Dichlorobenzene	1.291	1.296		0.39	50
1,2-Dibromo-3-Chloropropane	0.083	0.081		-2.41	50
1,2,4-Trichlorobenzene	0.767	0.851		10.95	50
Hexachlorobutadiene	0.571	0.597		4.55	50
1,2,3-Trichlorobenzene	0.641	0.691		7.8	50
1,2-Dichloroethane-d4	0.443	0.456		2.93	50
Dibromofluoromethane	0.294	0.290		-1.36	50
Toluene-d8	1.066	1.125		5.53	50
4-Bromofluorobenzene	0.388	0.387		-0.26	50
trans-1,4-Dichloro-2-butene	0.159	0.158		-0.63	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\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	103385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	145794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	126465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	47124	51.467	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.646	113	42249	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.700%			
50) Toluene-d8	10.115	98	164066	52.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.414	95	56483	49.910	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39070	49.053	ug/l	96
3) Chloromethane	2.074	50	15804	48.704	ug/l	95
4) Vinyl Chloride	2.214	62	17896	45.236	ug/l	98
5) Bromomethane	2.611	94	13776	49.313	ug/l	97
6) Chloroethane	2.745	64	11432	47.545	ug/l	91
7) Trichlorofluoromethane	3.074	101	70652	49.661	ug/l	98
8) Diethyl Ether	3.464	74	17429	51.181	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	37478	48.241	ug/l	97
10) Methyl Iodide	4.019	142	45751	51.122	ug/l	98
11) Tert butyl alcohol	4.878	59	12554	171.272	ug/l #	95
12) 1,1-Dichloroethene	3.799	96	34679	50.296	ug/l	95
13) Acrolein	3.665	56	2863	175.643	ug/l	98
14) Allyl chloride	4.397	41	41616	51.470	ug/l	96
15) Acrylonitrile	5.073	53	32265	257.052	ug/l	97
16) Acetone	3.879	43	23495	224.651	ug/l	99
17) Carbon Disulfide	4.116	76	89362	51.983	ug/l	99
18) Methyl Acetate	4.403	43	14129	52.218	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	96927	51.682	ug/l	99
20) Methylene Chloride	4.628	84	35371	50.754	ug/l	92
21) trans-1,2-Dichloroethene	5.134	96	38121	51.276	ug/l	97
22) Diisopropyl ether	6.037	45	85498	51.724	ug/l	97
23) Vinyl Acetate	5.970	43	249368	254.770	ug/l	100
24) 1,1-Dichloroethane	5.933	63	64116	52.032	ug/l	98
25) 2-Butanone	6.909	43	35631	242.527	ug/l	98
26) 2,2-Dichloropropane	6.896	77	74414	48.269	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	45596	51.493	ug/l	99
28) Bromochloromethane	7.256	49	19178	52.179	ug/l	96
29) Tetrahydrofuran	7.268	42	21965	254.369	ug/l	99
30) Chloroform	7.433	83	80976	49.994	ug/l	97
31) Cyclohexane	7.713	56	50063	46.337	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	85341	50.435	ug/l	99
36) 1,1-Dichloropropene	7.847	75	52375	50.333	ug/l	98
37) Ethyl Acetate	6.988	43	17284	48.851	ug/l	99
38) Carbon Tetrachloride	7.829	117	85120	50.550	ug/l	97
39) Methylcyclohexane	9.115	83	67439	50.989	ug/l	97
40) Benzene	8.091	78	155801	51.901	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9157	47.528	ug/l		97
42) 1,2-Dichloroethane	8.164	62	49338	51.679	ug/l		99
43) Isopropyl Acetate	8.207	43	36640	51.839	ug/l	#	84
44) Trichloroethene	8.872	130	44640	50.106	ug/l		99
45) 1,2-Dichloropropane	9.146	63	30392	51.529	ug/l		97
46) Dibromomethane	9.237	93	21853	53.670	ug/l		94
47) Bromodichloromethane	9.432	83	59824	51.794	ug/l		92
48) Methyl methacrylate	9.225	41	16617	49.594	ug/l		98
49) 1,4-Dioxane	9.237	88	4411	1155.007	ug/l		93
51) 4-Methyl-2-Pentanone	10.006	43	88277	250.023	ug/l		99
52) Toluene	10.176	92	107314	52.497	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	53257	52.109	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	58353	51.816	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	27194	51.580	ug/l		97
56) Ethyl methacrylate	10.444	69	36039	53.588	ug/l		99
57) 1,3-Dichloropropane	10.719	76	45260	52.518	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	70747	281.507	ug/l		99
59) 2-Hexanone	10.768	43	59383	264.044	ug/l		99
60) Dibromochloromethane	10.914	129	44838	53.267	ug/l		100
61) 1,2-Dibromoethane	11.024	107	25312	51.212	ug/l		99
64) Tetrachloroethene	10.652	164	42528	50.635	ug/l		98
65) Chlorobenzene	11.450	112	121510	51.417	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	47276	51.228	ug/l		98
67) Ethyl Benzene	11.524	91	214345	50.554	ug/l		100
68) m/p-Xylenes	11.633	106	164557	101.778	ug/l		99
69) o-Xylene	11.963	106	78598	51.751	ug/l		99
70) Styrene	11.975	104	133817	52.384	ug/l		99
71) Bromoform	12.139	173	26828	50.753	ug/l	#	98
73) Isopropylbenzene	12.261	105	219224	48.610	ug/l		99
74) N-amyl acetate	12.072	43	31826	50.222	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	27488	47.365	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21307m	46.599	ug/l		
77) Bromobenzene	12.536	156	51097	49.756	ug/l		98
78) n-propylbenzene	12.603	91	247710	48.719	ug/l		99
79) 2-Chlorotoluene	12.688	91	141572	48.911	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	186425	49.839	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	10452	49.690	ug/l		97
82) 4-Chlorotoluene	12.786	91	146889	49.759	ug/l		99
83) tert-Butylbenzene	13.005	119	170884	49.098	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	181401	49.644	ug/l		100
85) sec-Butylbenzene	13.182	105	231763	49.454	ug/l		100
86) p-Isopropyltoluene	13.298	119	207000	50.523	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	99861	50.056	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	98479	50.384	ug/l		98
89) n-Butylbenzene	13.627	91	174927	50.680	ug/l		100
90) Hexachloroethane	13.889	117	38801	49.920	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	85918	50.182	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5399	48.822	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	56391	55.478	ug/l		100
94) Hexachlorobutadiene	15.029	225	39605	52.330	ug/l		99
95) Naphthalene	15.151	128	91326	48.620	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	45813	53.910	ug/l		98

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

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

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

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
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ClientSampleId :
VSTDCCC050EC

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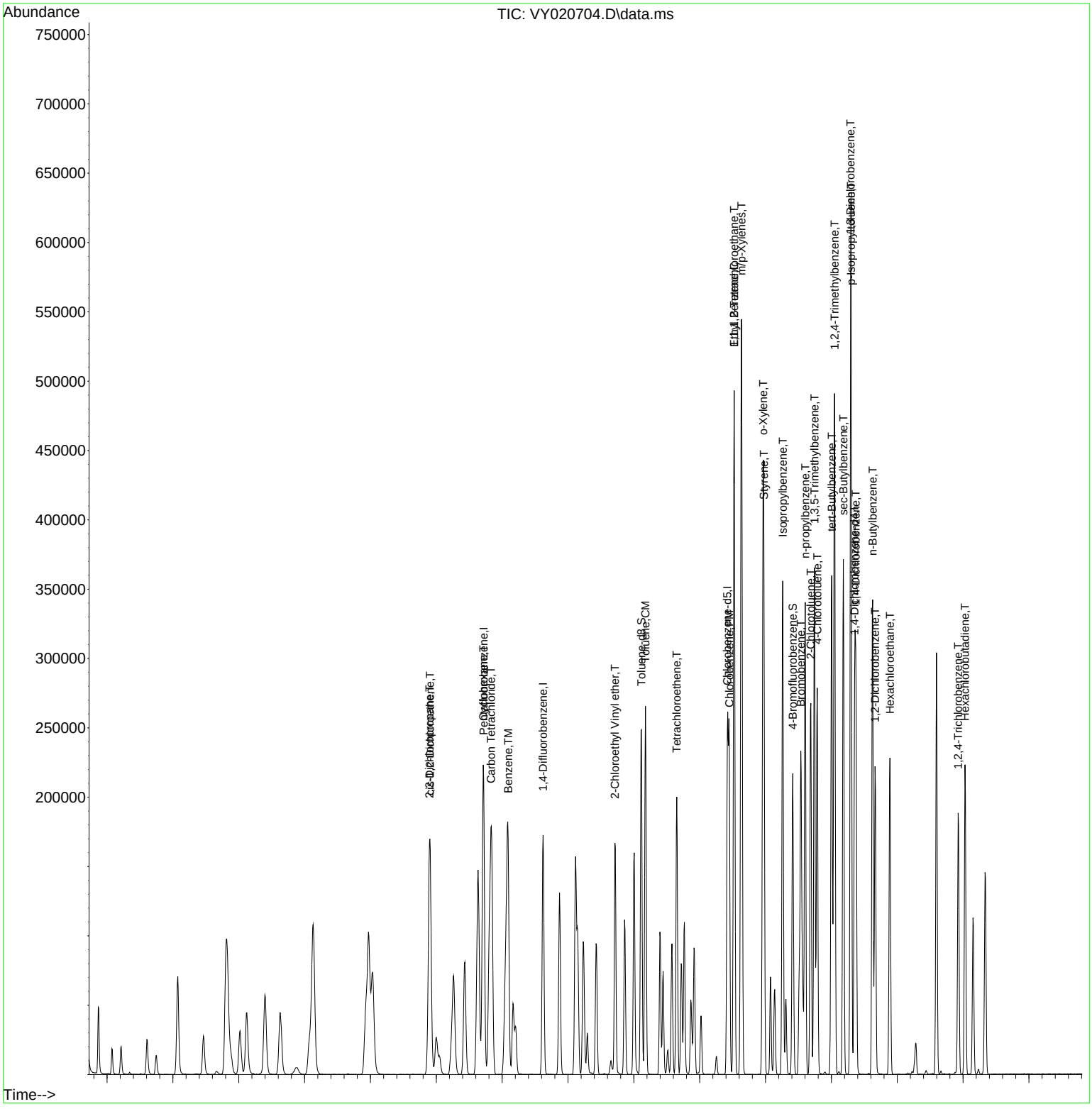
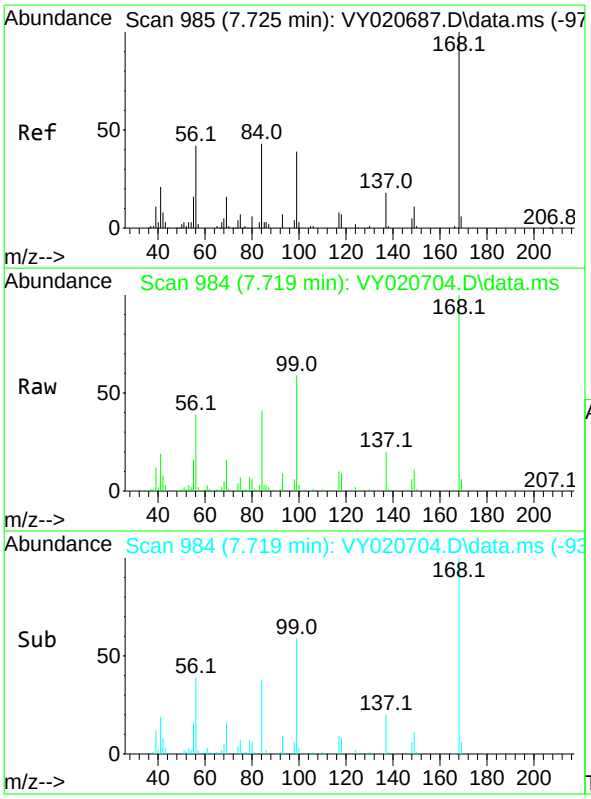
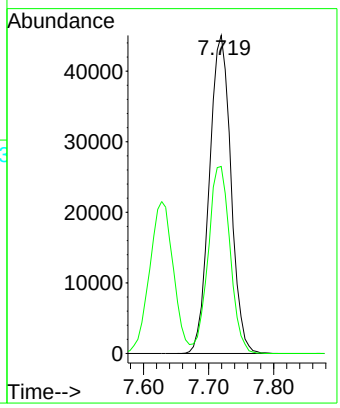




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:168 Resp: 103385

Ion	Ratio	Lower	Upper
168	100		
99	58.8	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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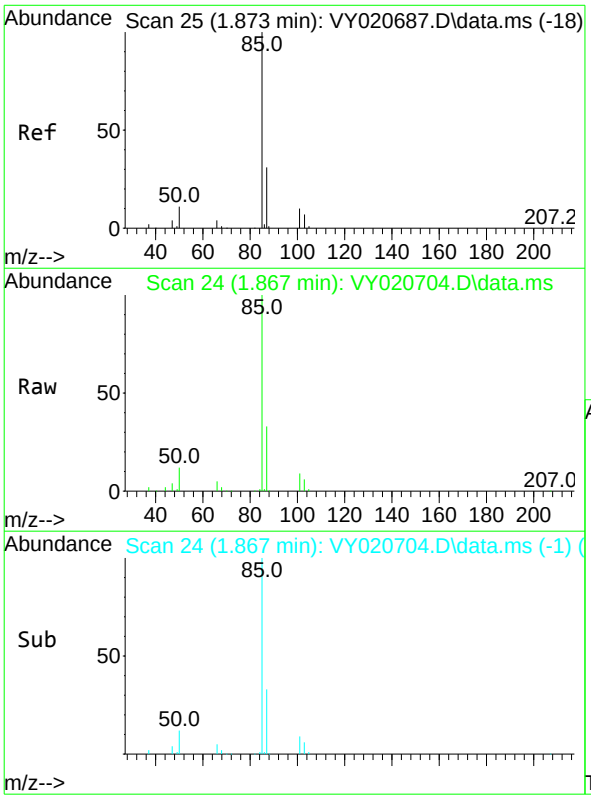
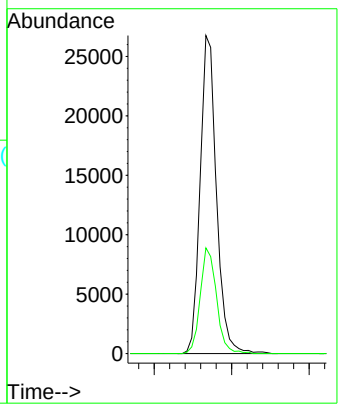
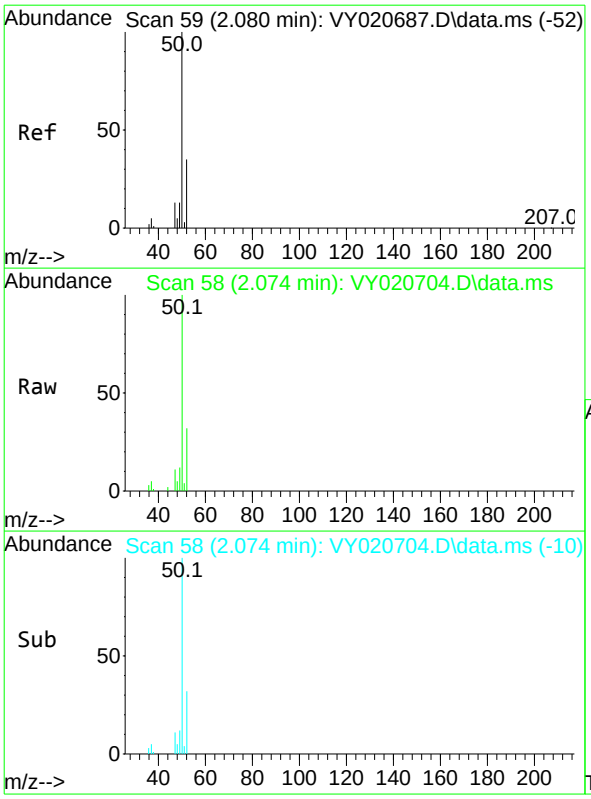


#2
Dichlorodifluoromethane
Concen: 49.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 85 Resp: 39070

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.4

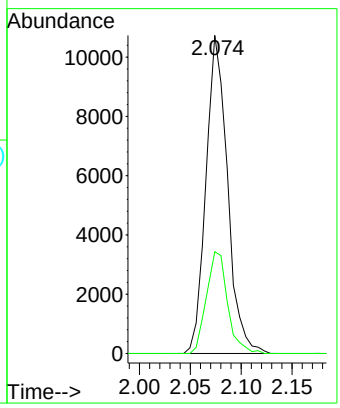




#3
Chloromethane
Concen: 48.704 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 50 Resp: 15804

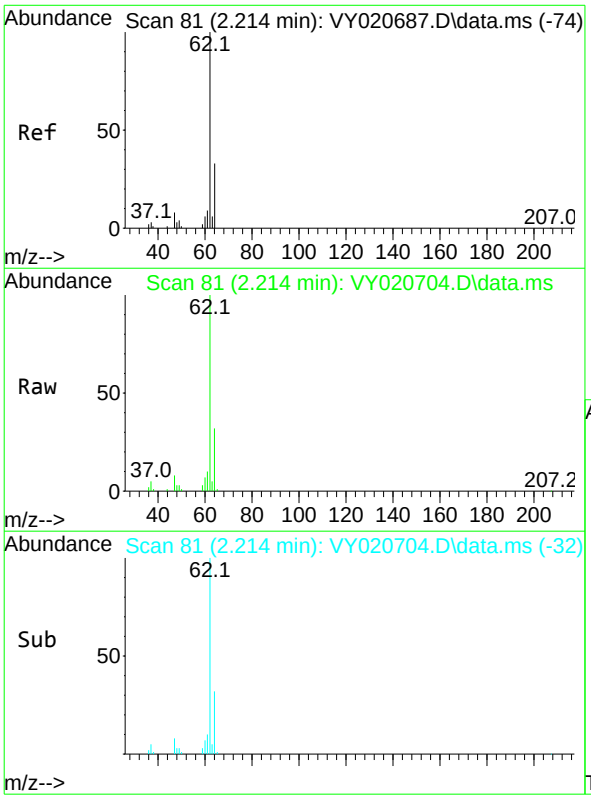
Ion	Ratio	Lower	Upper
50	100		
52	32.0	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

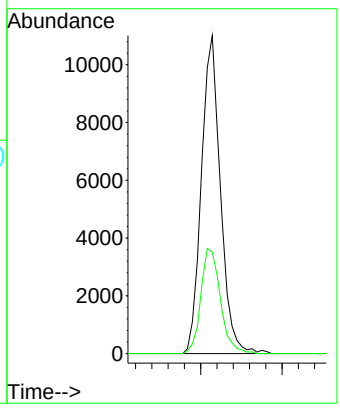
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

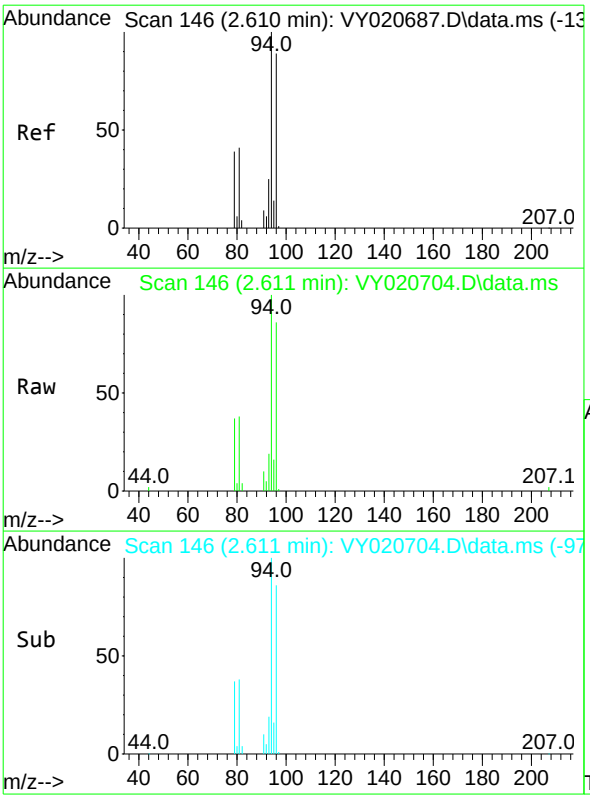


#4
Vinyl Chloride
Concen: 45.236 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 62 Resp: 17896

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.6	40.0

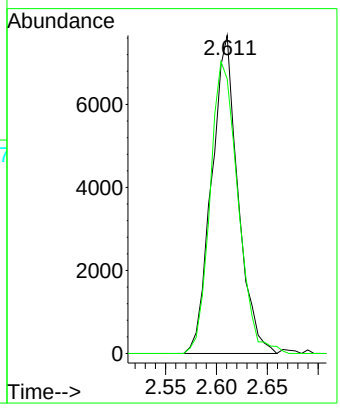




#5
Bromomethane
Concen: 49.313 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 94 Resp: 13776

Ion	Ratio	Lower	Upper
94	100		
96	86.4	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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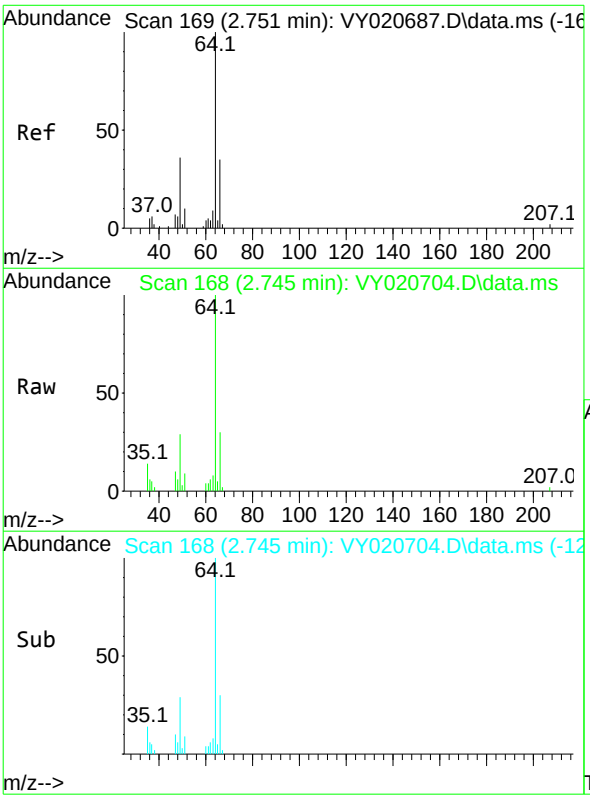
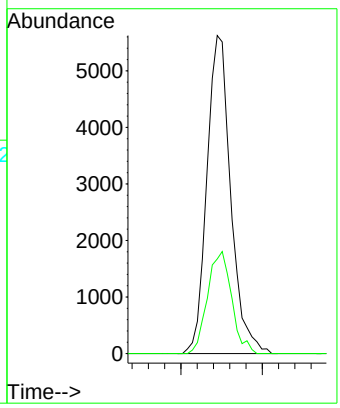
Supervised By :Mahesh Dadoda 12/26/2024

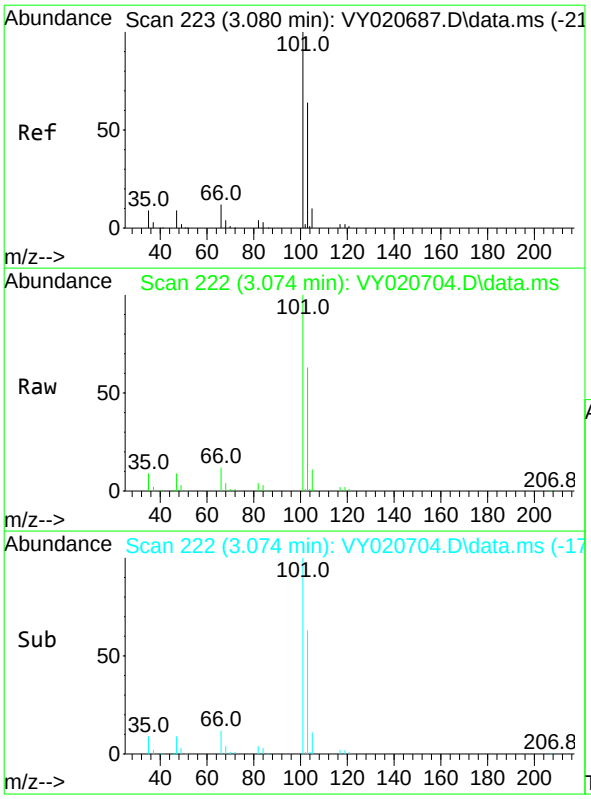


#6
Chloroethane
Concen: 47.545 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 64 Resp: 11432

Ion	Ratio	Lower	Upper
64	100		
66	29.7	27.8	41.8

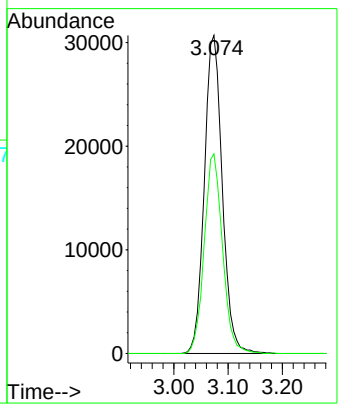




#7
Trichlorofluoromethane
Concen: 49.661 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:101 Resp: 70652

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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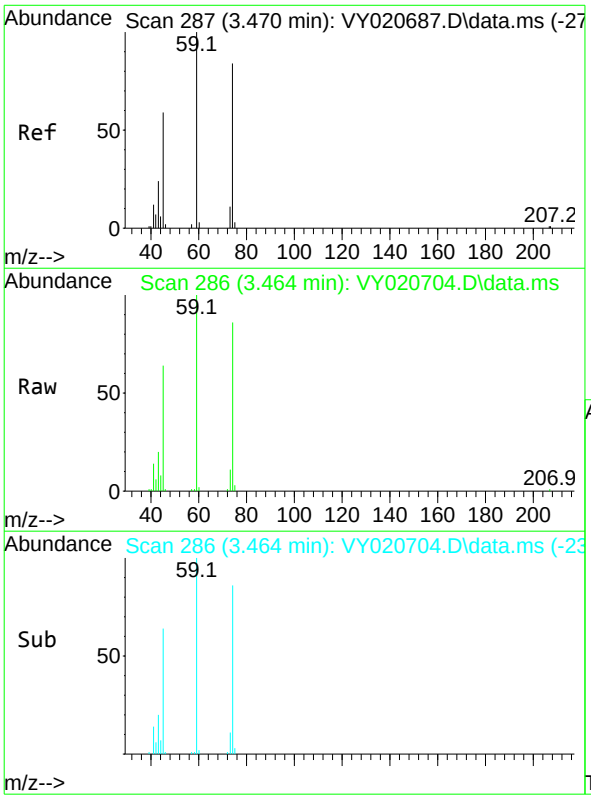
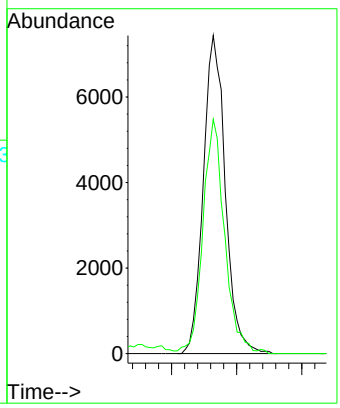
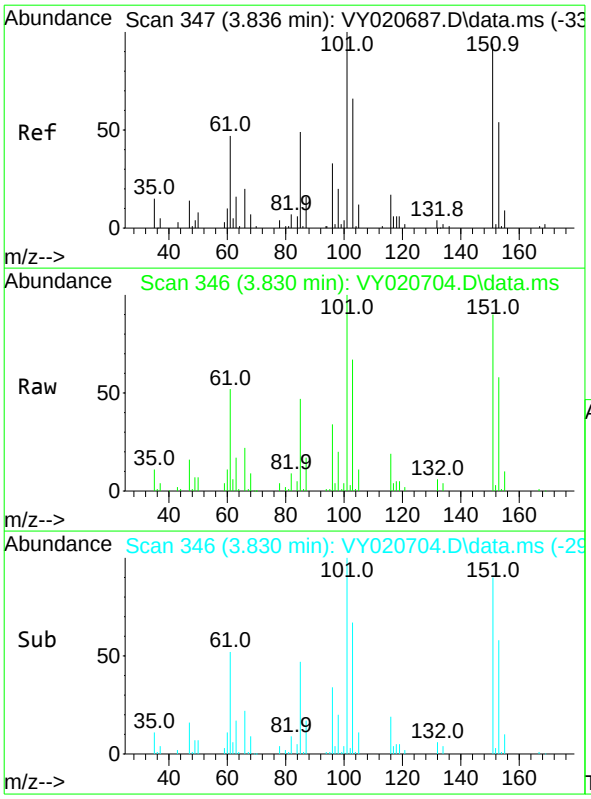


#8
Diethyl Ether
Concen: 51.181 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 74 Resp: 17429

Ion	Ratio	Lower	Upper
74	100		
45	73.0	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.241 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 37478

Ion	Ratio	Lower	Upper
101	100		
85	47.6	38.2	57.2
151	89.5	68.4	102.6

Manual Integrations
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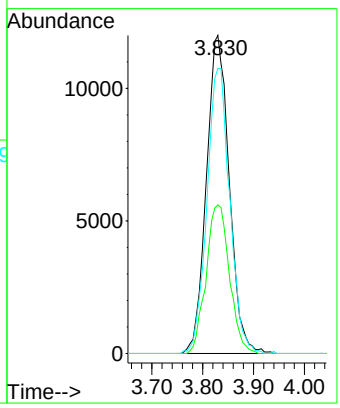
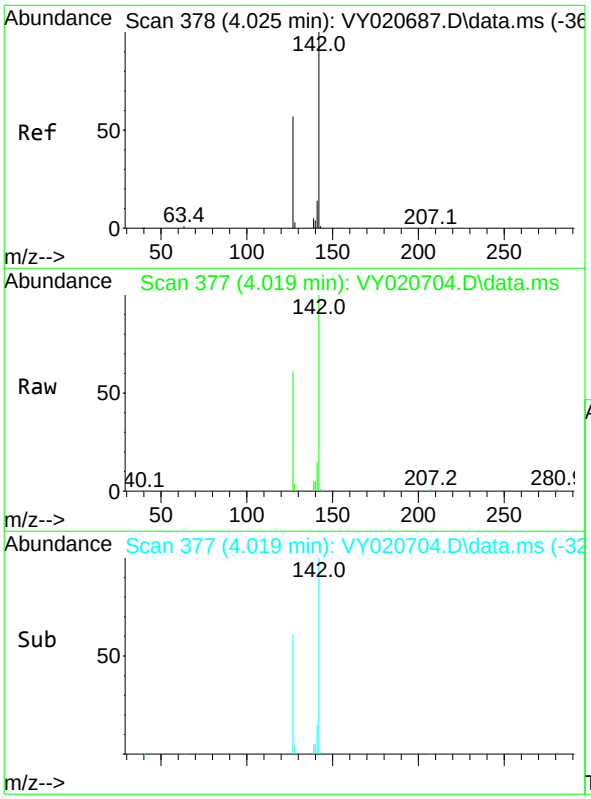
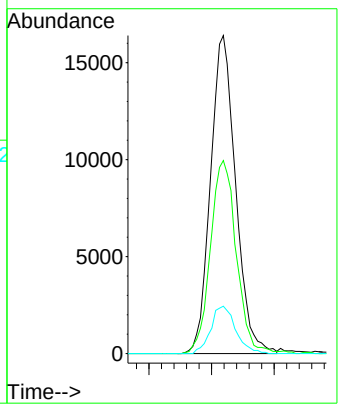


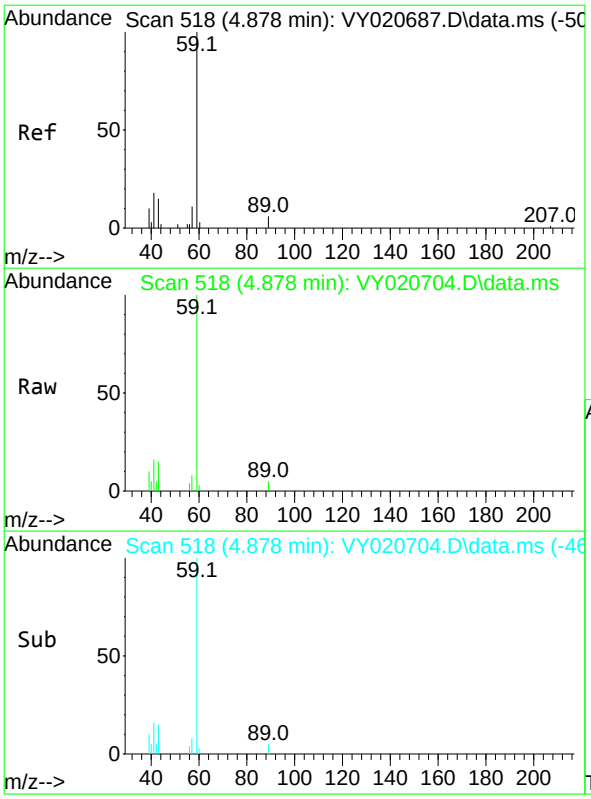


#10
Methyl Iodide
Concen: 51.122 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:142 Resp: 45751

Ion	Ratio	Lower	Upper
142	100		
127	62.5	48.8	73.2
141	14.7	11.9	17.9

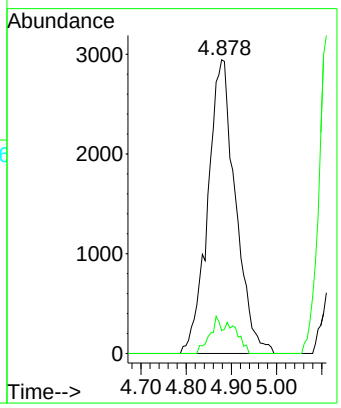




#11
Tert butyl alcohol
Concen: 171.272 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 59 Resp: 12554

Ion	Ratio	Lower	Upper
59	100		
57	5.1	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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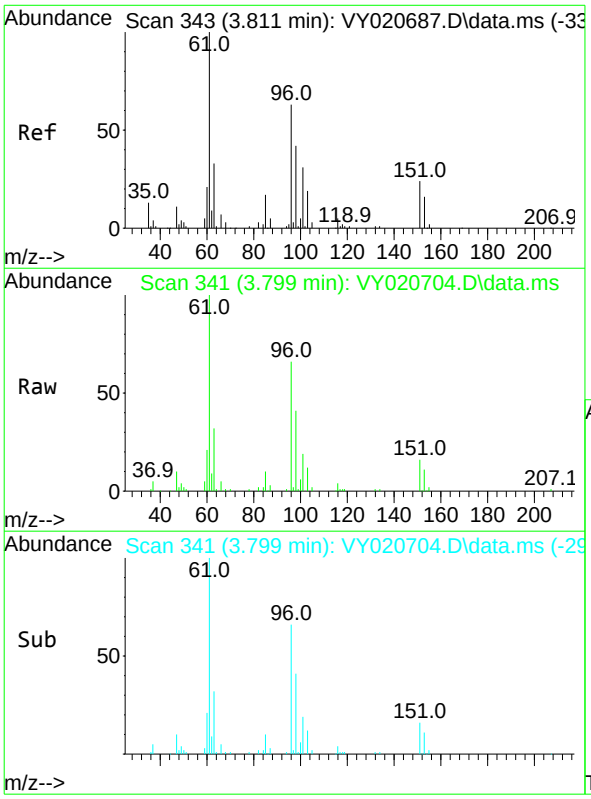
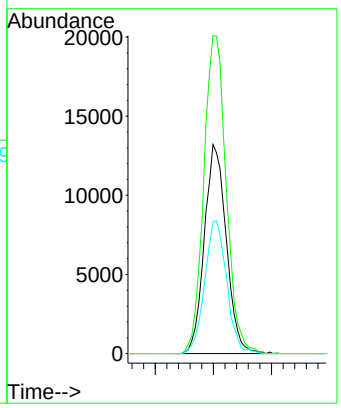
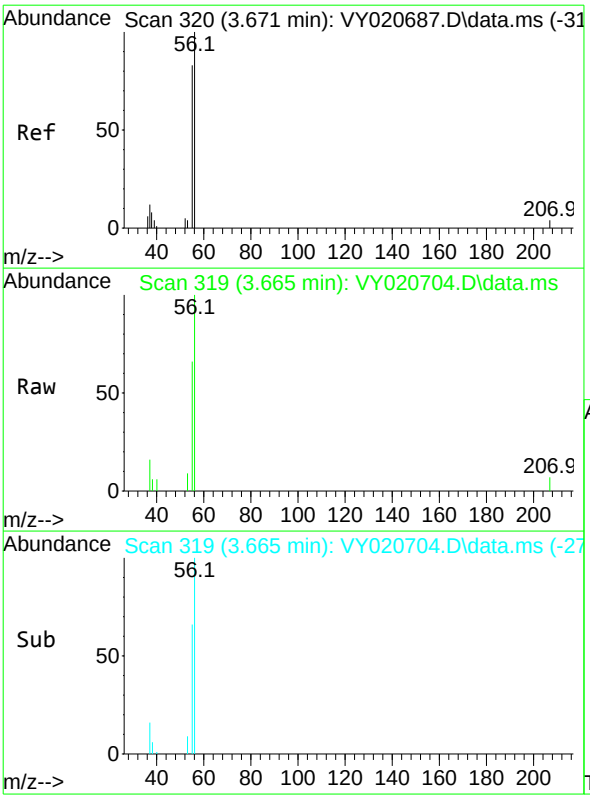


#12
1,1-Dichloroethene
Concen: 50.296 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 96 Resp: 34679

Ion	Ratio	Lower	Upper
96	100		
61	152.1	127.1	190.7
98	63.1	53.4	80.0

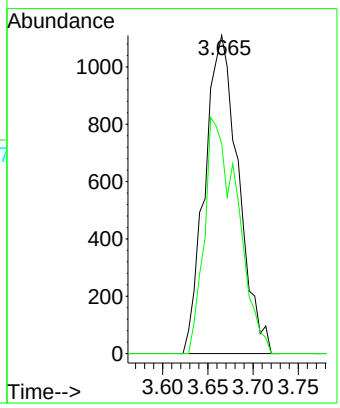




#13
Acrolein
Concen: 175.643 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 56 Resp: 2863

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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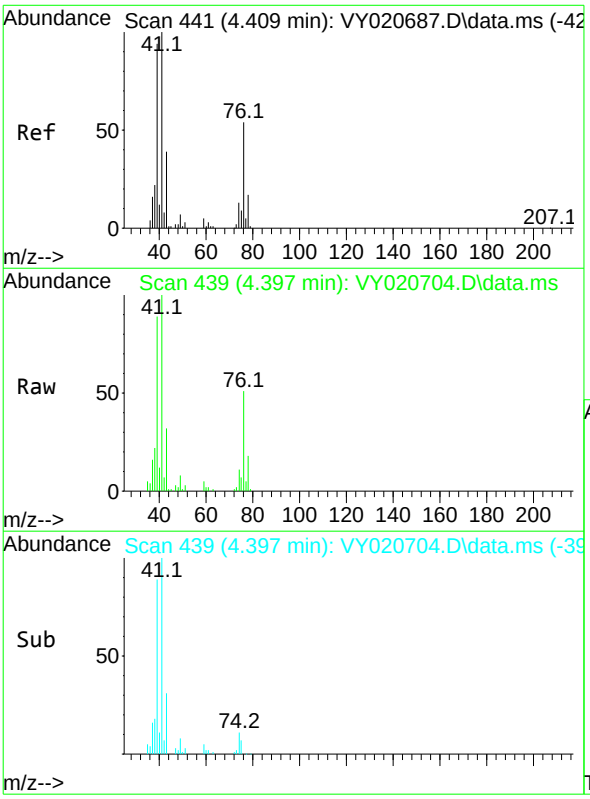
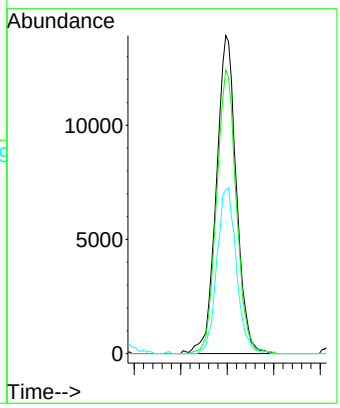
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

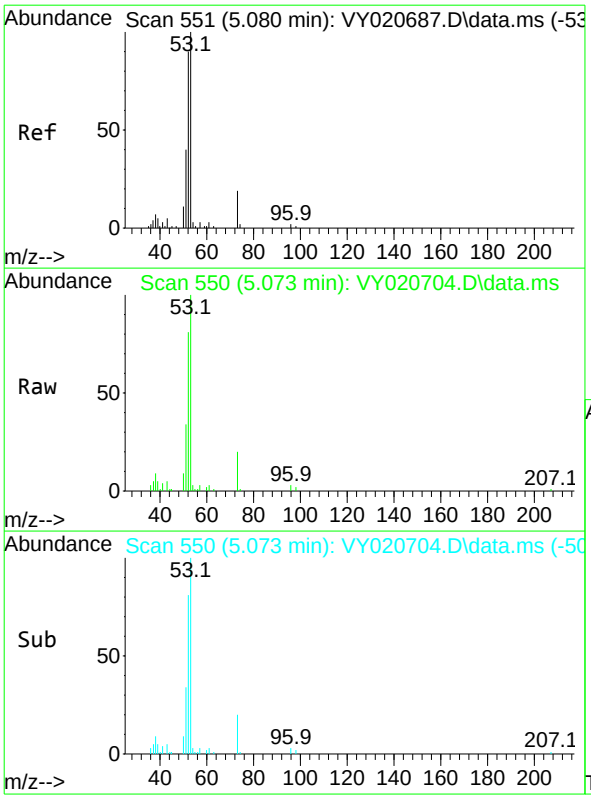


#14
Allyl chloride
Concen: 51.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 41 Resp: 41616

Ion	Ratio	Lower	Upper
41	100		
39	87.9	73.5	110.3
76	50.6	41.8	62.8

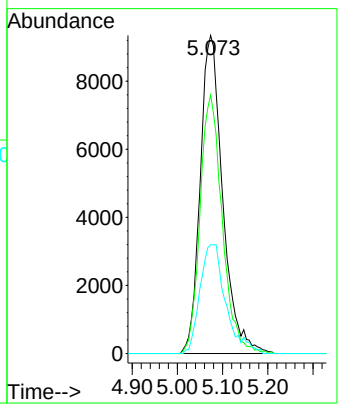




#15
Acrylonitrile
Concen: 257.052 ug/l
RT: 5.073 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 53 Resp: 32265

Ion	Ratio	Lower	Upper
53	100		
52	80.1	67.1	100.7
51	39.1	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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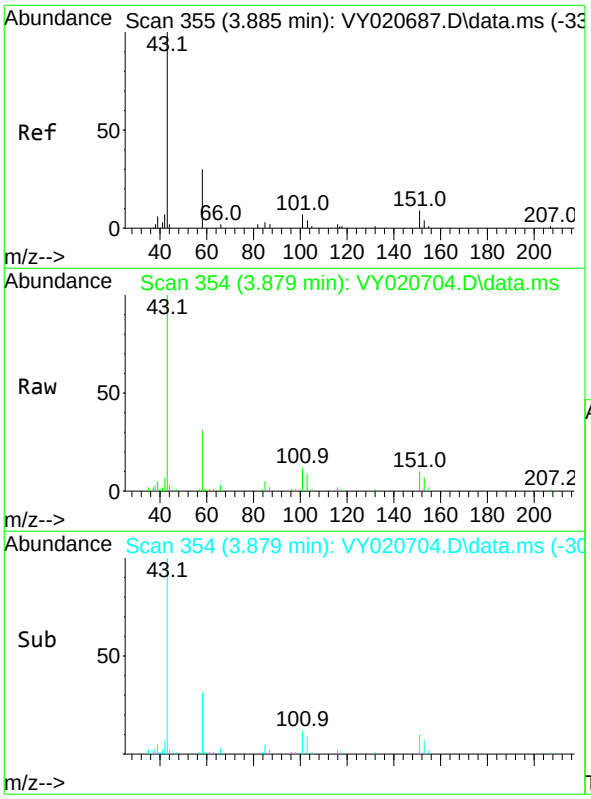
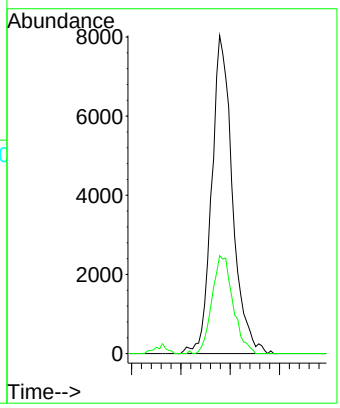
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

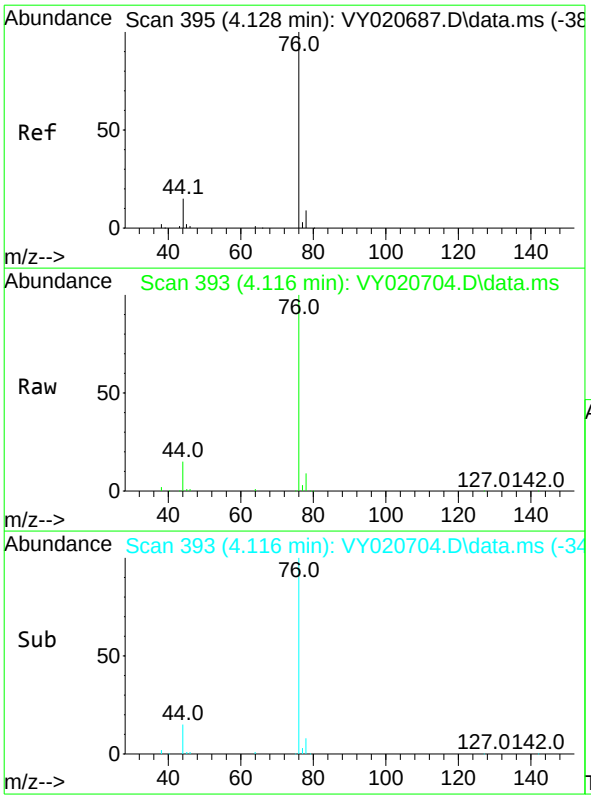


#16
Acetone
Concen: 224.651 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 23495

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.0	37.6

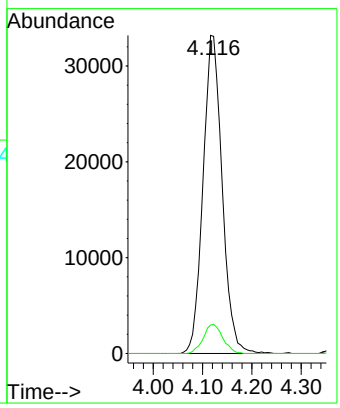




#17
Carbon Disulfide
Concen: 51.983 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 76 Resp: 89362

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3



Instrument :
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ClientSampleId :
VSTDCCC050EC

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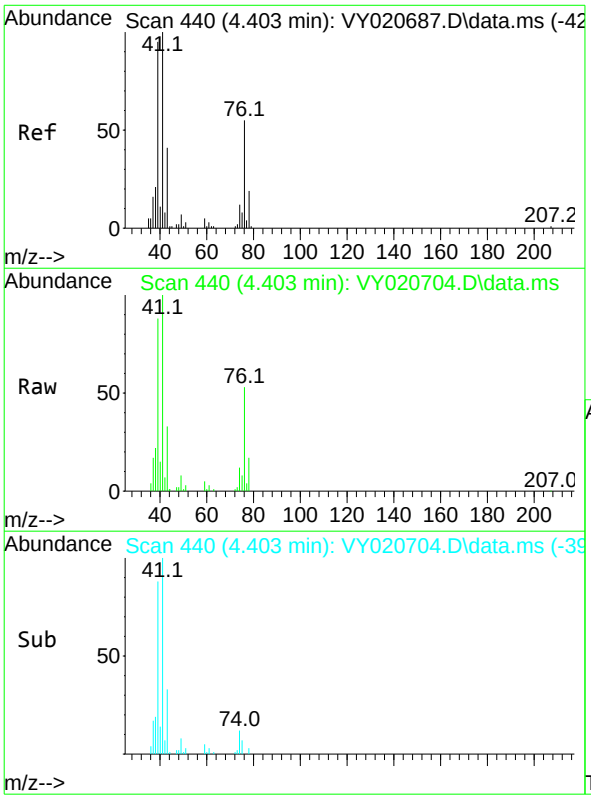
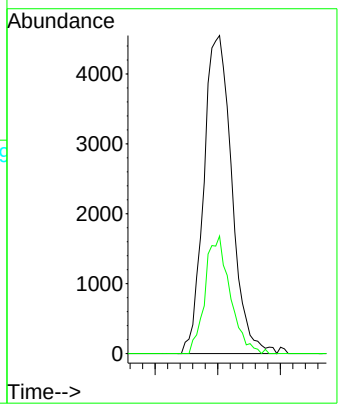
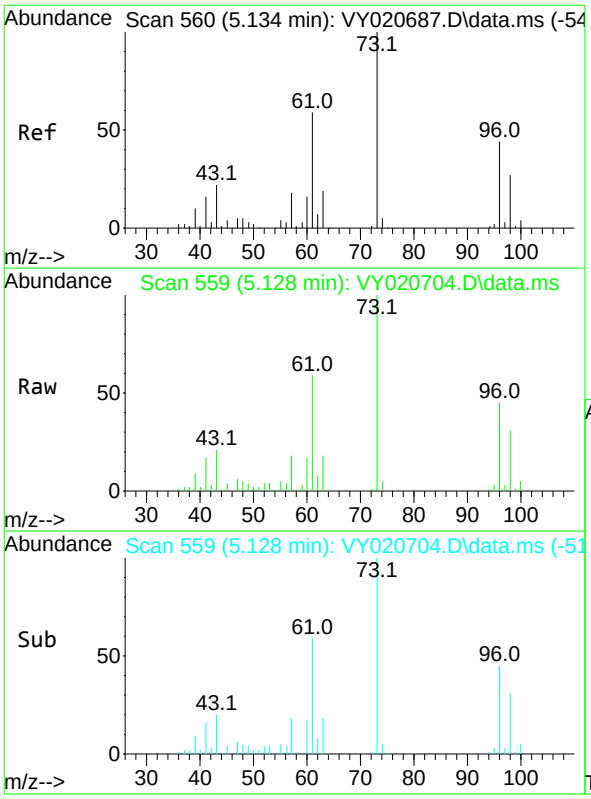


#18
Methyl Acetate
Concen: 52.218 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 14129

Ion	Ratio	Lower	Upper
43	100		
74	32.9	25.3	37.9

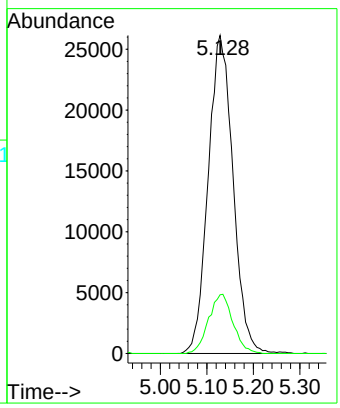




#19
Methyl tert-butyl Ether
Concen: 51.682 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 73 Resp: 96927

Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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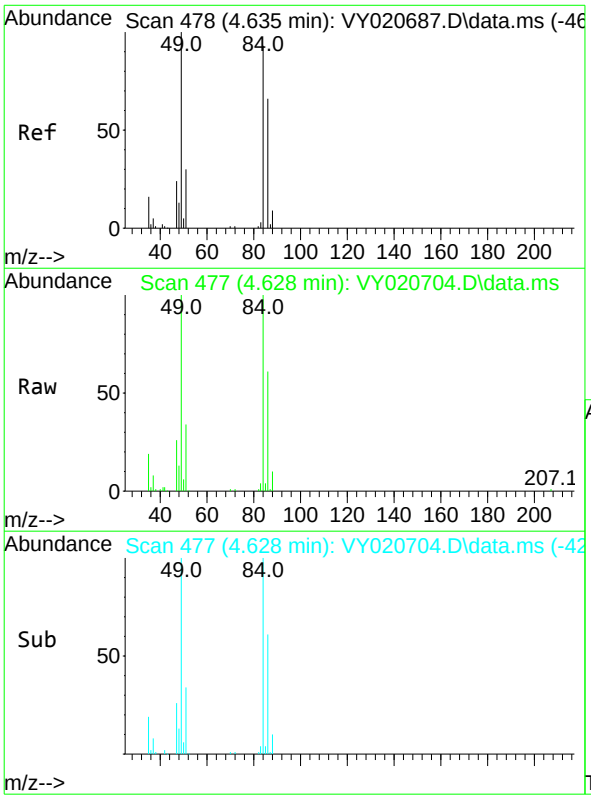
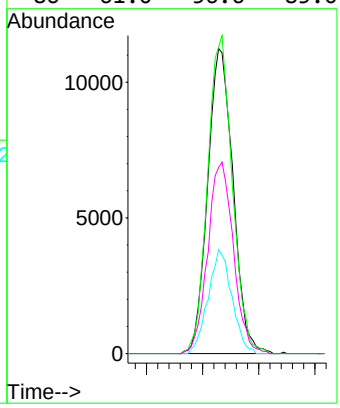
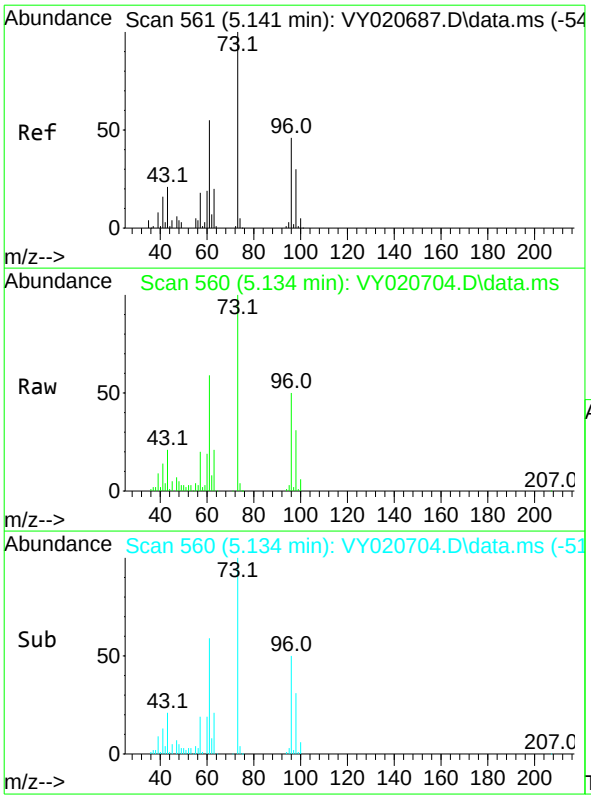


#20
Methylene Chloride
Concen: 50.754 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 84 Resp: 35371

Ion	Ratio	Lower	Upper
84	100		
49	100.5	86.4	129.6
51	34.1	25.5	38.3
86	61.0	56.6	85.0

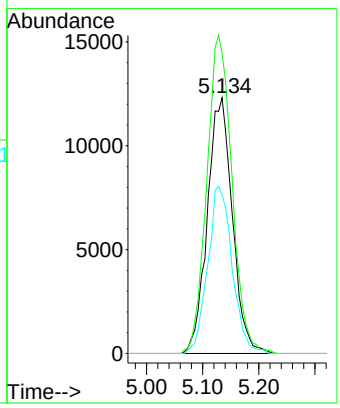




#21
trans-1,2-Dichloroethene
Concen: 51.276 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 96 Resp: 38121

Ion	Ratio	Lower	Upper
96	100		
61	117.4	96.1	144.1
98	62.1	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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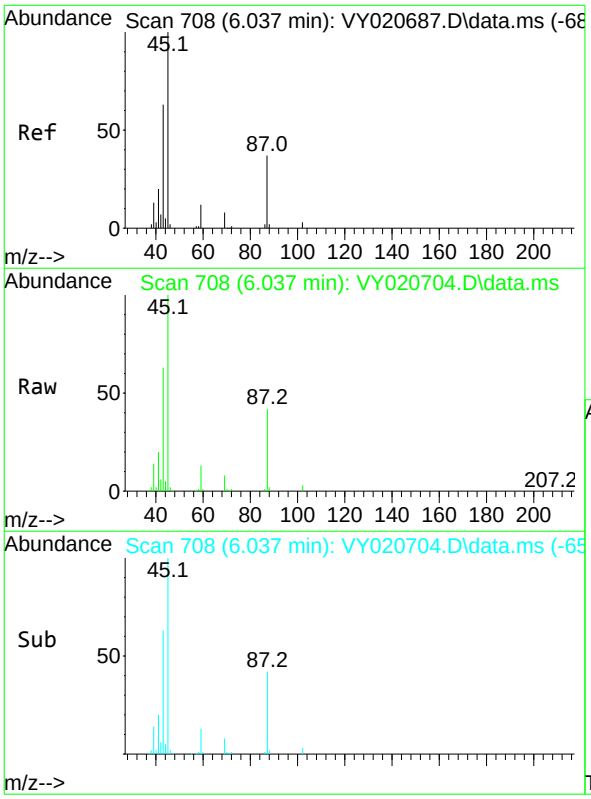
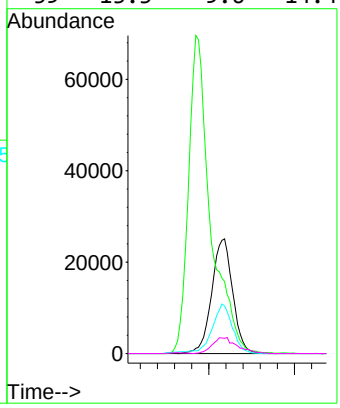
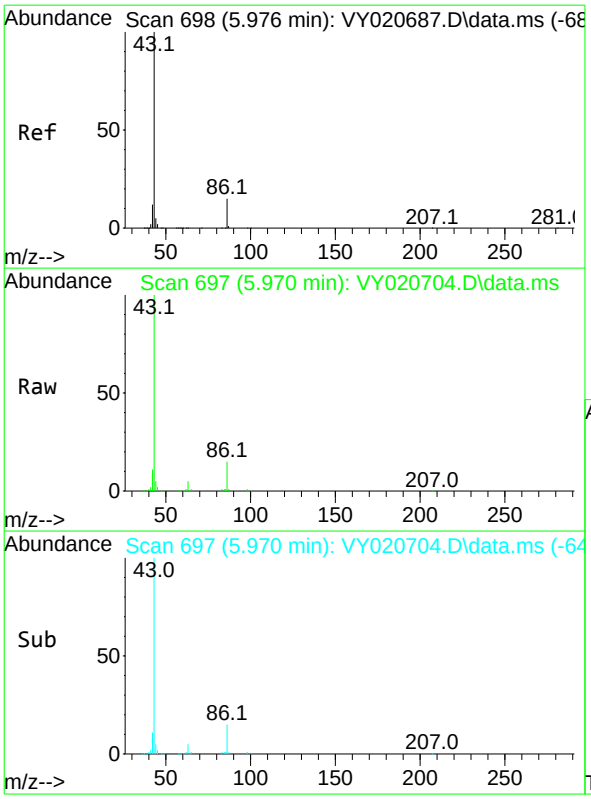


#22
Diisopropyl ether
Concen: 51.724 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 45 Resp: 85498

Ion	Ratio	Lower	Upper
45	100		
43	62.5	51.3	76.9
87	41.5	30.6	46.0
59	13.3	9.6	14.4

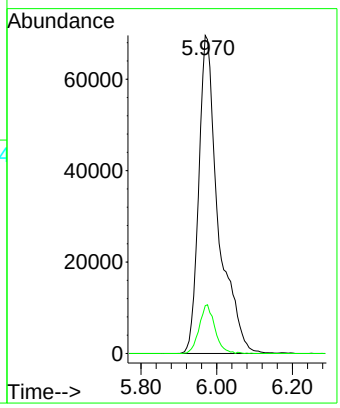




#23
Vinyl Acetate
Concen: 254.770 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 249368

Ion	Ratio	Lower	Upper
43	100		
86	15.0	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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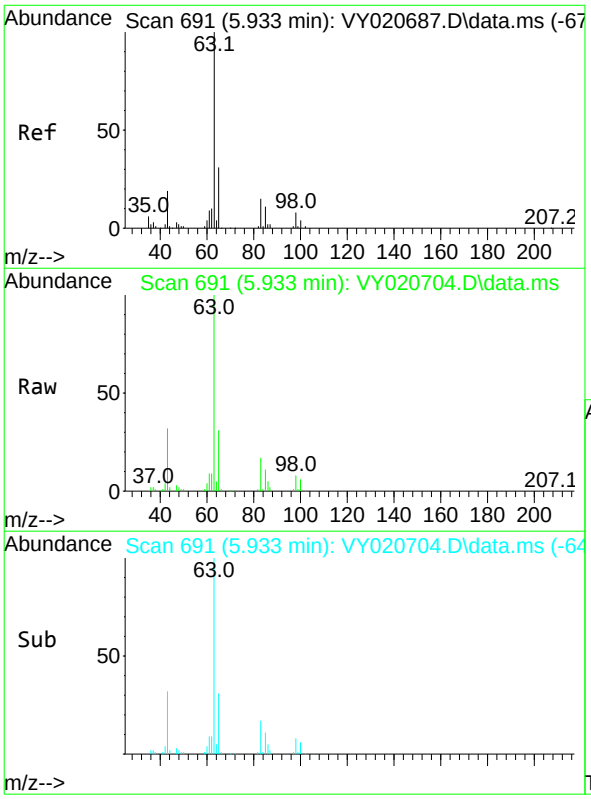
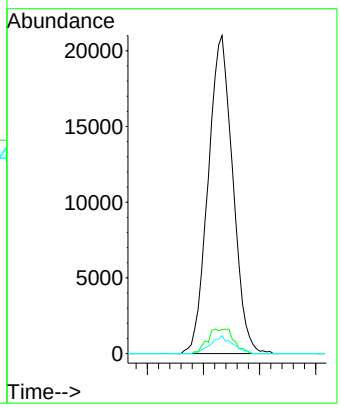
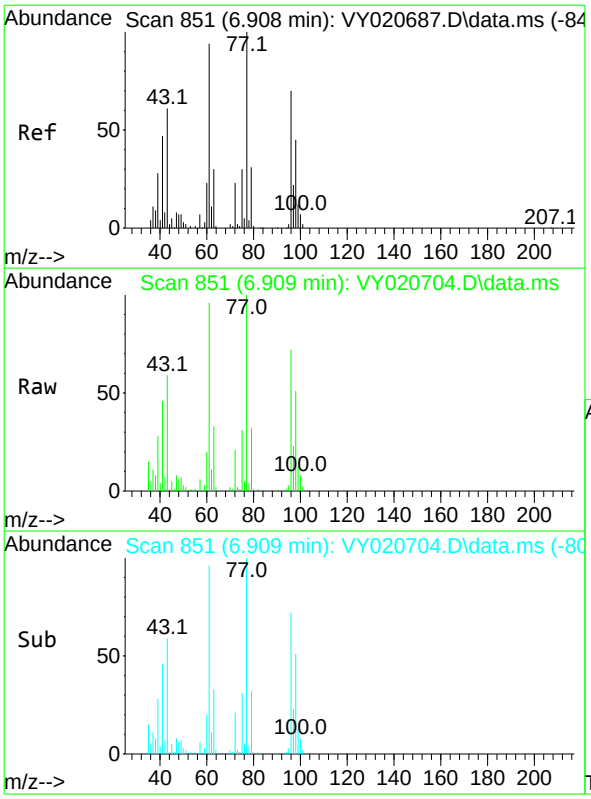


#24
1,1-Dichloroethane
Concen: 52.032 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 63 Resp: 64116

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	12.0
100	5.7	2.1	6.2

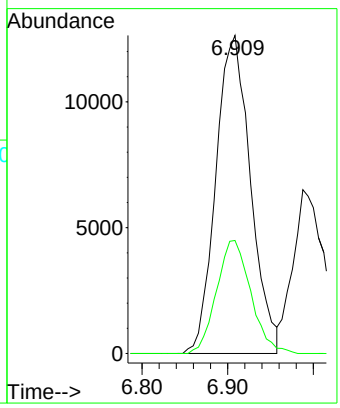




#25
2-Butanone
Concen: 242.527 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 35631

Ion	Ratio	Lower	Upper
43	100		
72	35.5	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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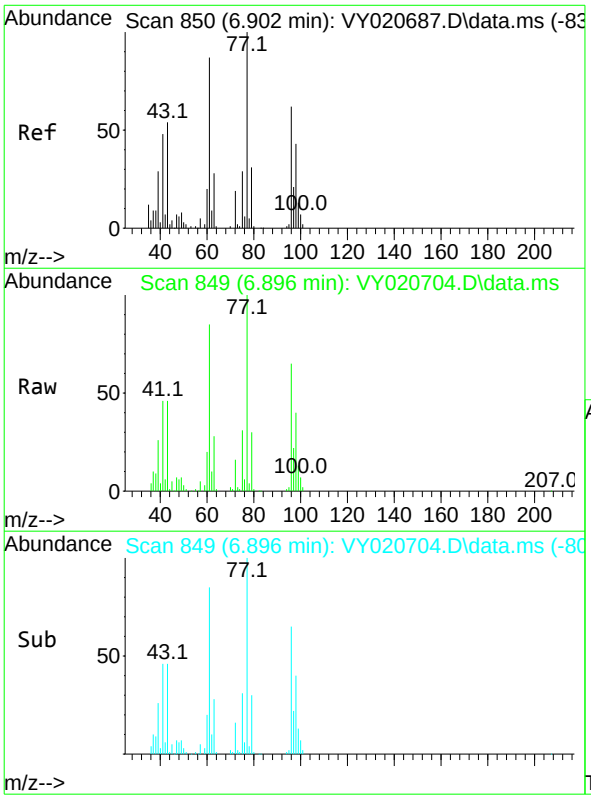
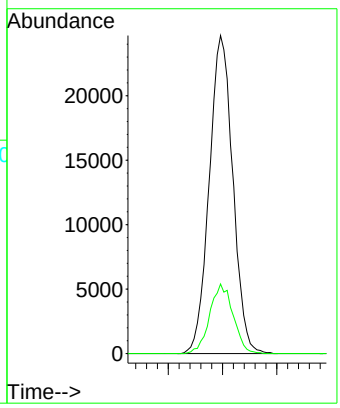
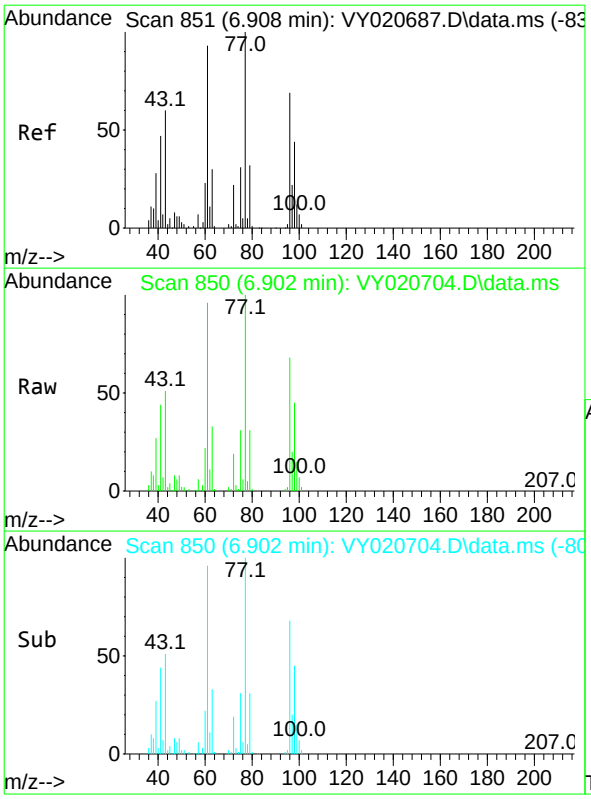


#26
2,2-Dichloropropane
Concen: 48.269 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 77 Resp: 74414

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.4

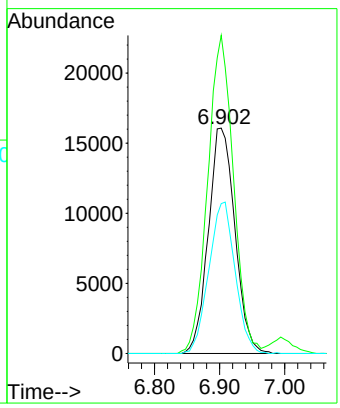




#27
cis-1,2-Dichloroethene
Concen: 51.493 ug/l
RT: 6.902 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 96 Resp: 45596

Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	277.2
98	66.5	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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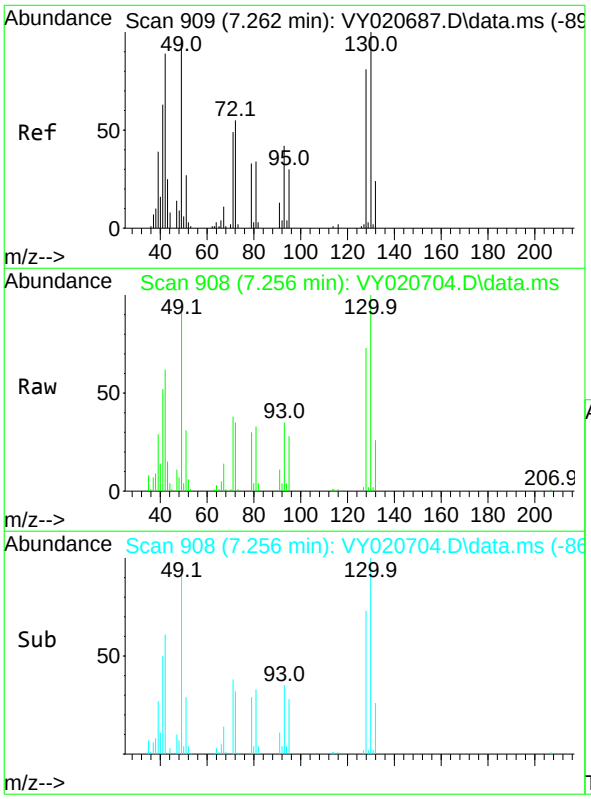
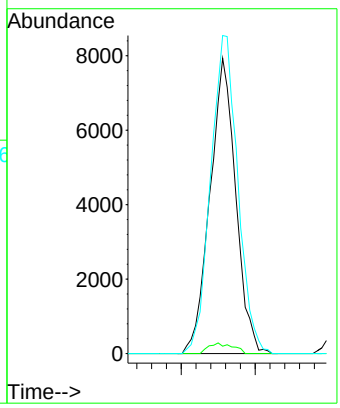
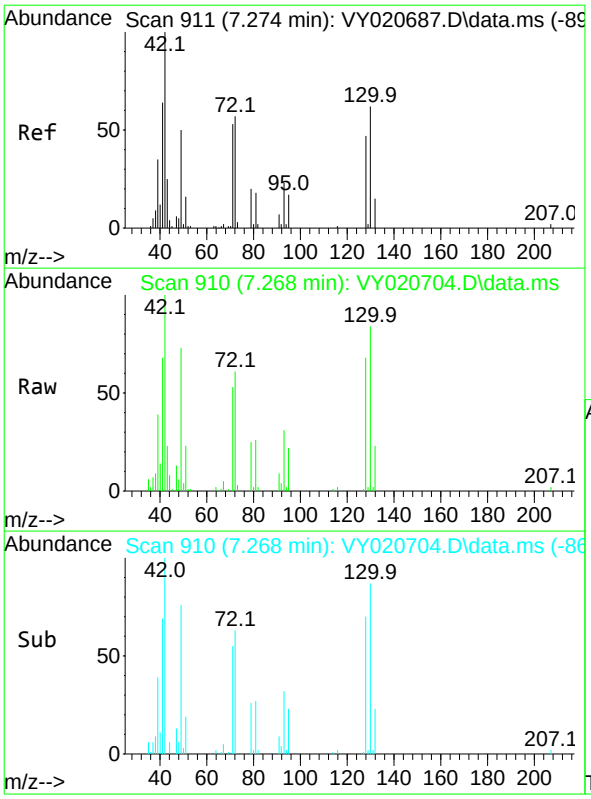


#28
Bromochloromethane
Concen: 52.179 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 49 Resp: 19178

Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.4
130	113.6	87.2	130.8





#29
Tetrahydrofuran
Concen: 254.369 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 42 Resp: 21965

Ion	Ratio	Lower	Upper
42	100		
72	58.5	47.4	71.0
71	54.5	42.8	64.2

Instrument :
MSVOA_Y
ClientSampleId :
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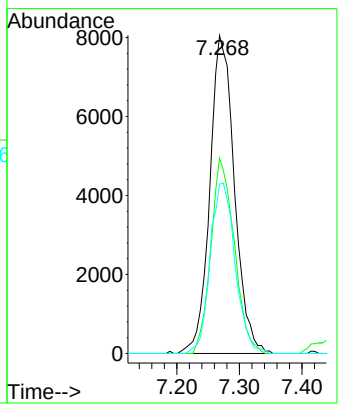
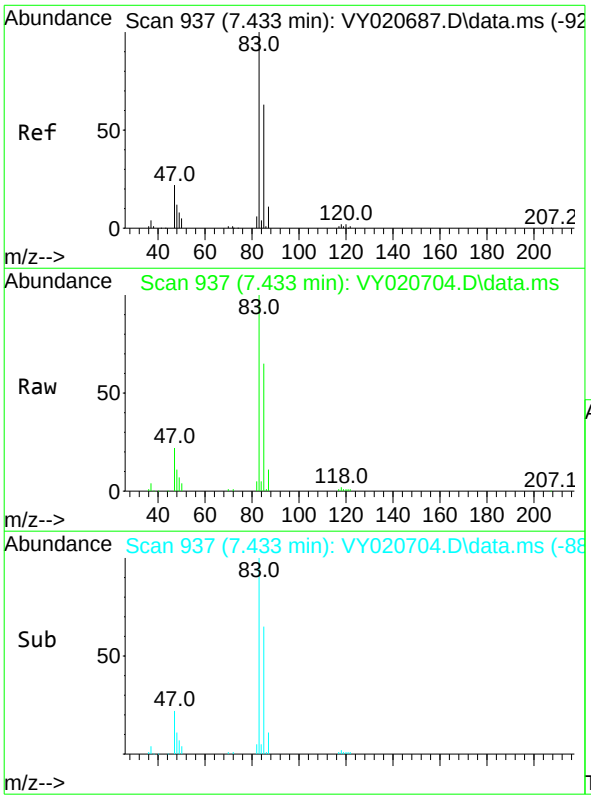
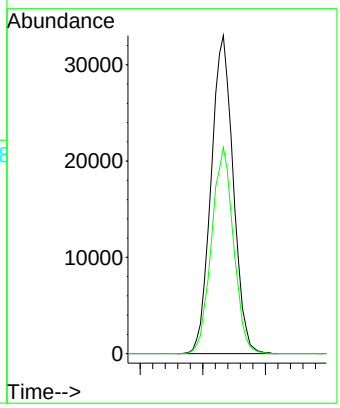


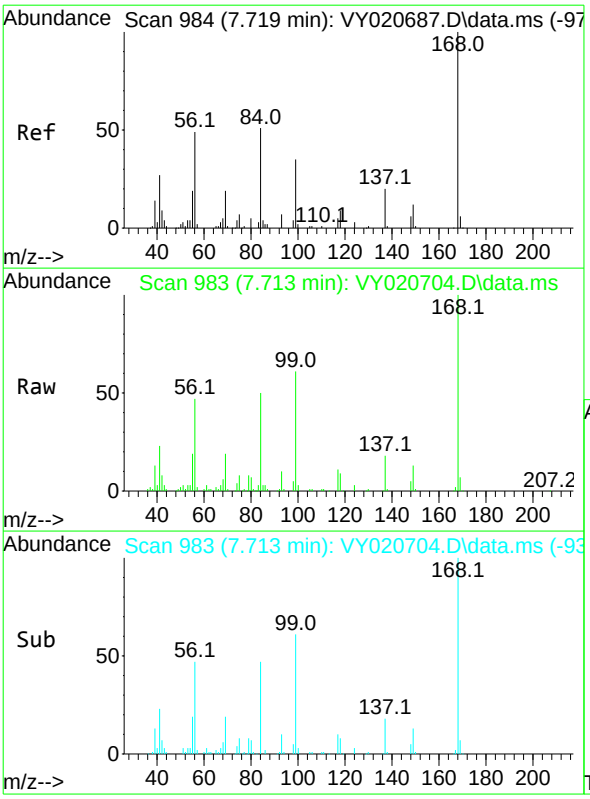


#30
Chloroform
Concen: 49.994 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 83 Resp: 80976

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2





#31
Cyclohexane
Concen: 46.337 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 56 Resp: 50063

Ion	Ratio	Lower	Upper
56	100		
69	41.1	31.3	46.9
84	102.3	83.9	125.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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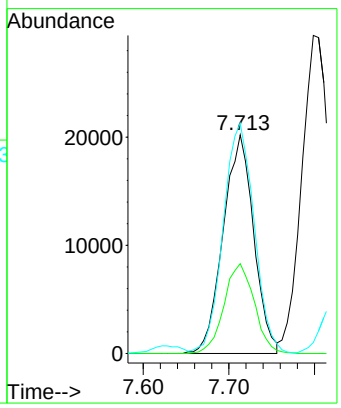
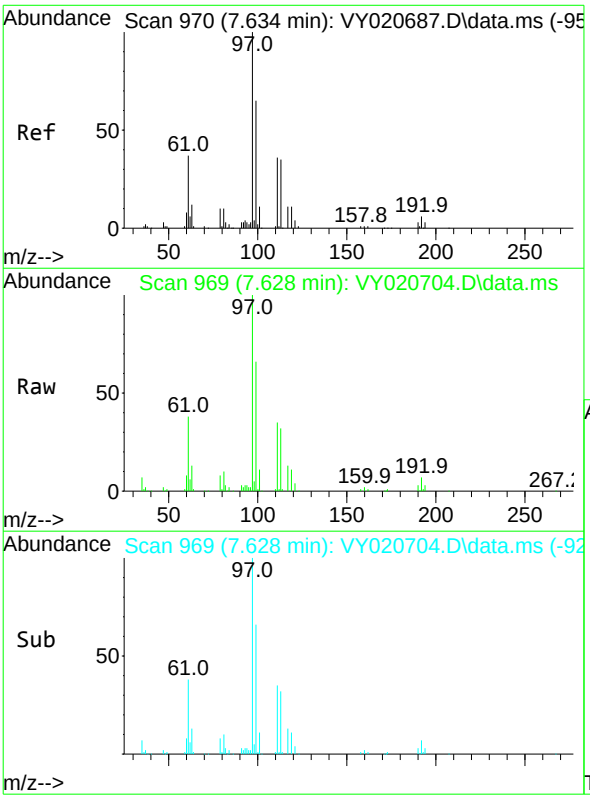
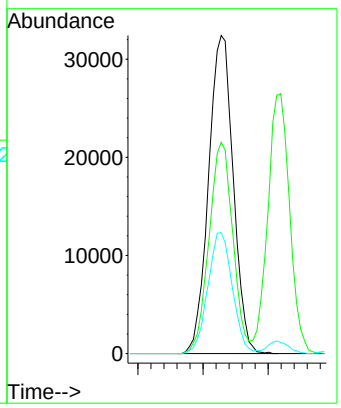


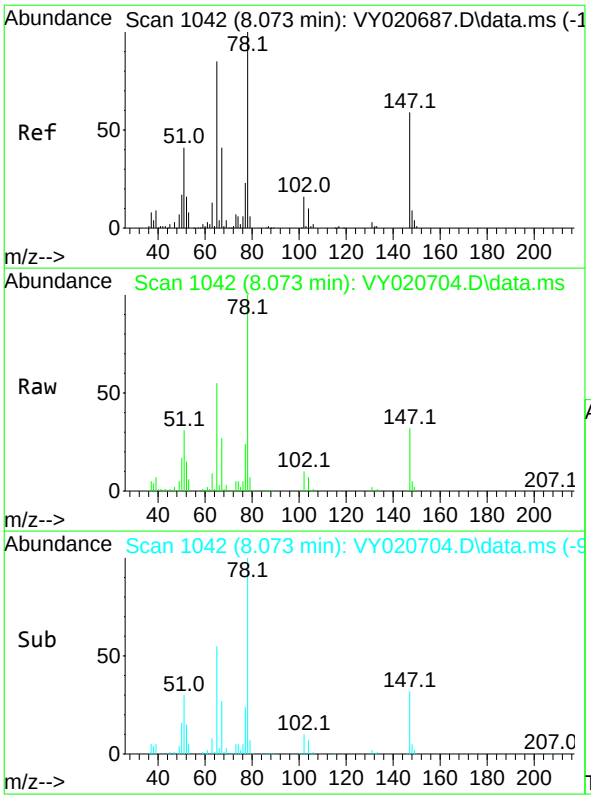


#32
1,1,1-Trichloroethane
Concen: 50.435 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 97 Resp: 85341

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	37.9	30.0	45.0

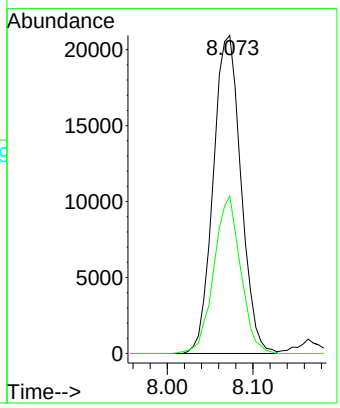




#33
1,2-Dichloroethane-d4
Concen: 51.467 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 65 Resp: 47124

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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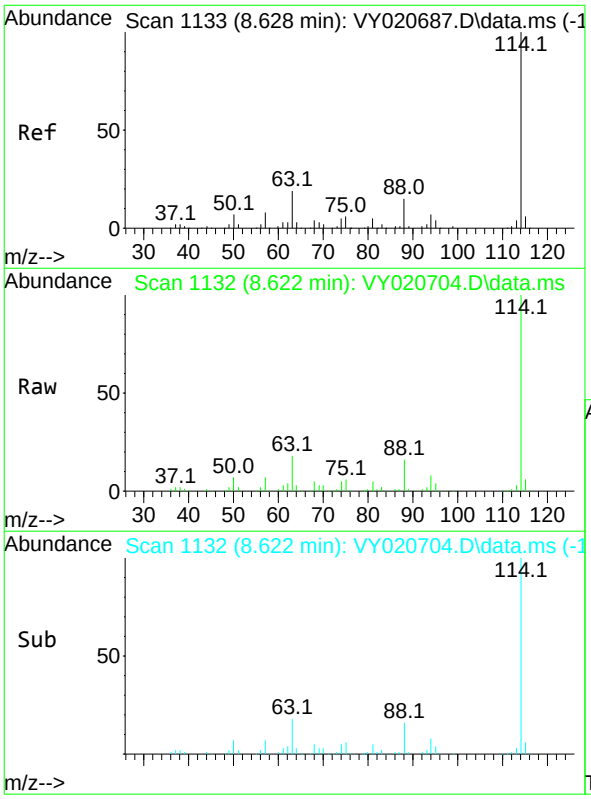
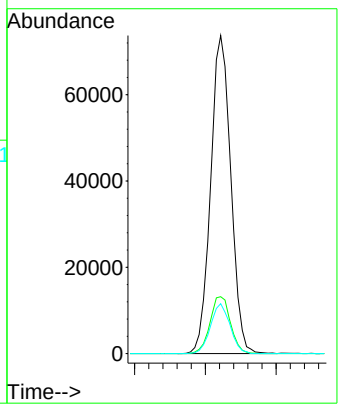
Supervised By :Mahesh Dadoda 12/26/2024

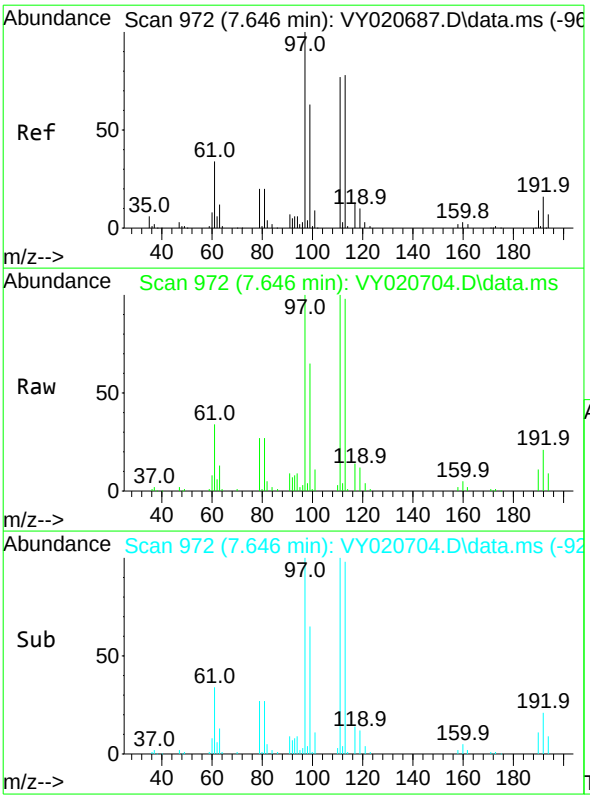


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:114 Resp: 145794

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	15.7	0.0	30.4

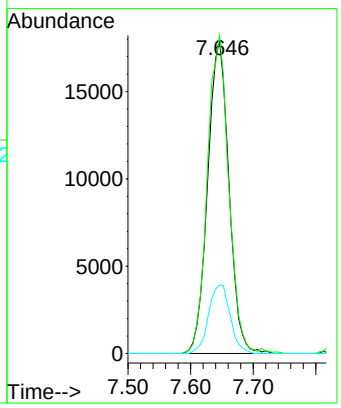




#35
Dibromofluoromethane
Concen: 49.352 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:113 Resp: 42249

Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.8	119.8
192	22.3	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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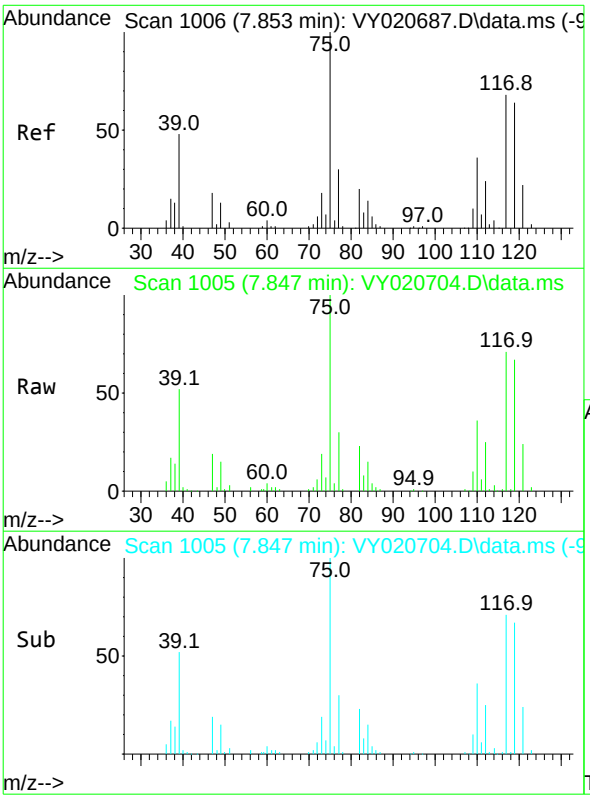
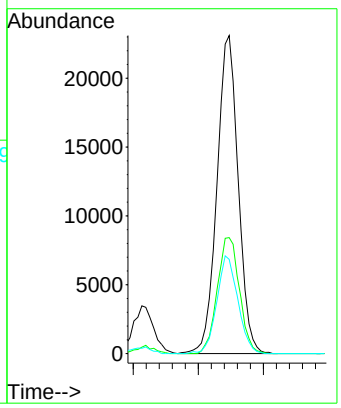
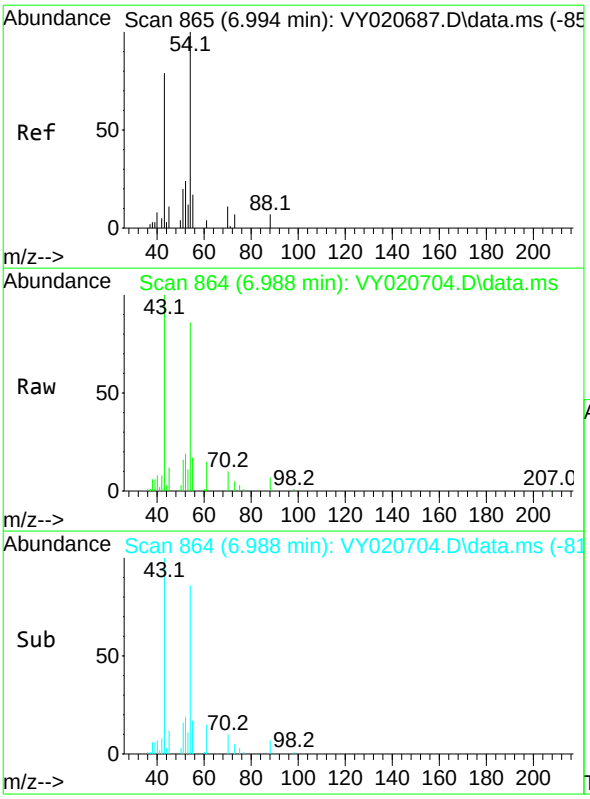


#36
1,1-Dichloropropene
Concen: 50.333 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 52375

Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.6	58.7
77	30.5	25.1	37.7





#37
Ethyl Acetate
Concen: 48.851 ug/l
RT: 6.988 min Scan# 86
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 17284

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	12.8	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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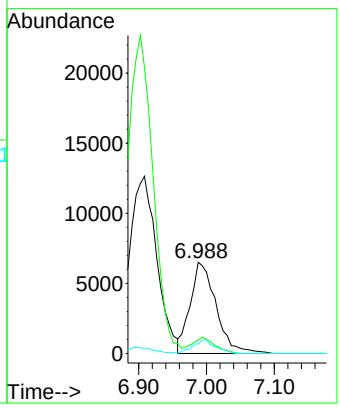
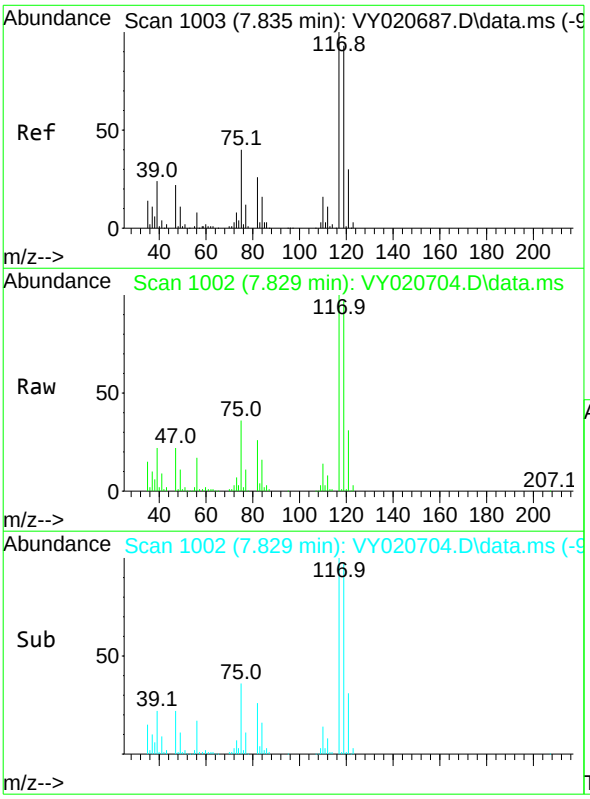
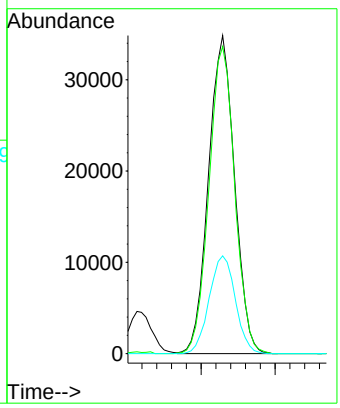


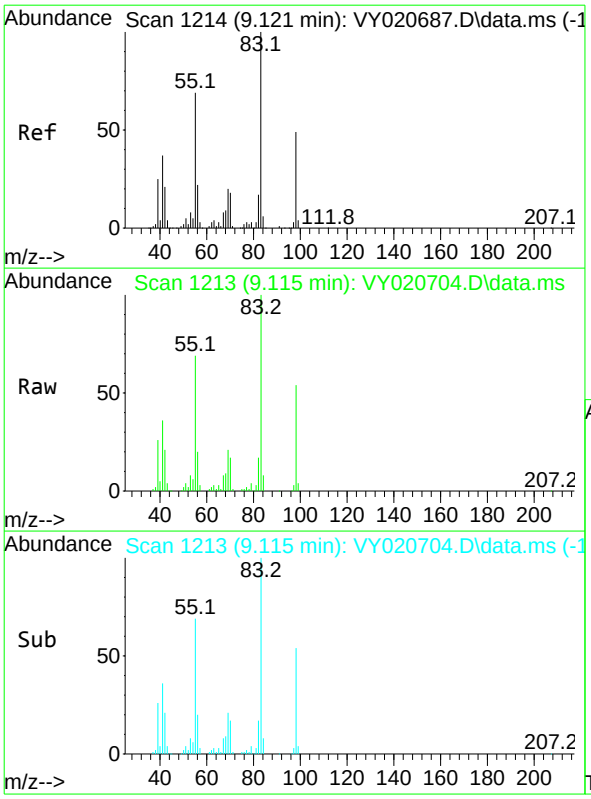


#38
Carbon Tetrachloride
Concen: 50.550 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:117 Resp: 85120

Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.4	111.6
121	30.7	24.2	36.2





#39
Methylcyclohexane
Concen: 50.989 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 83 Resp: 67439

Ion	Ratio	Lower	Upper
83	100		
55	68.6	55.0	82.4
98	53.7	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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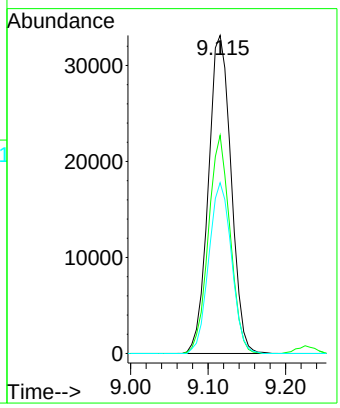
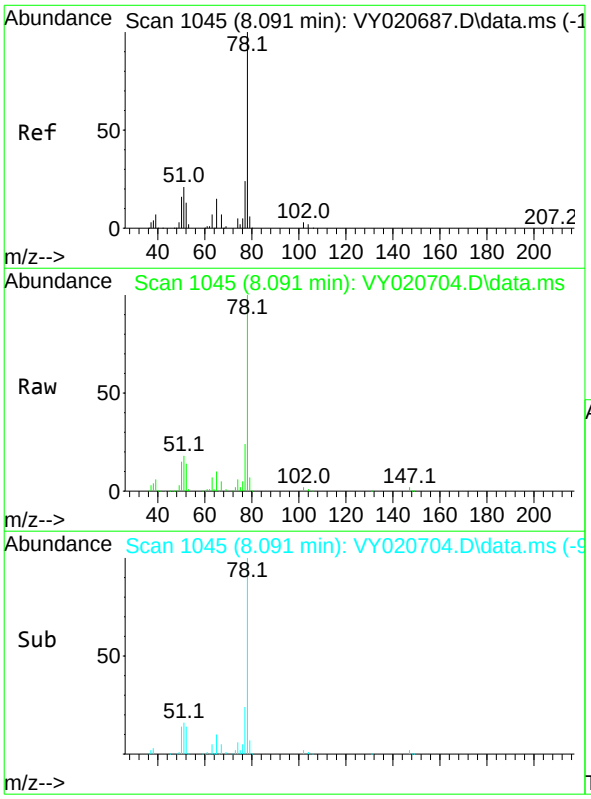
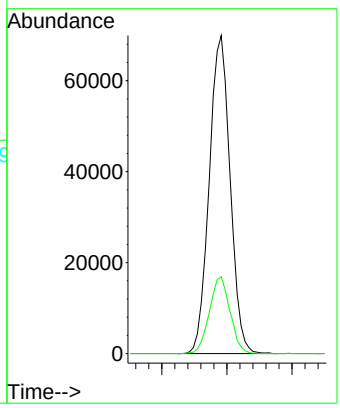


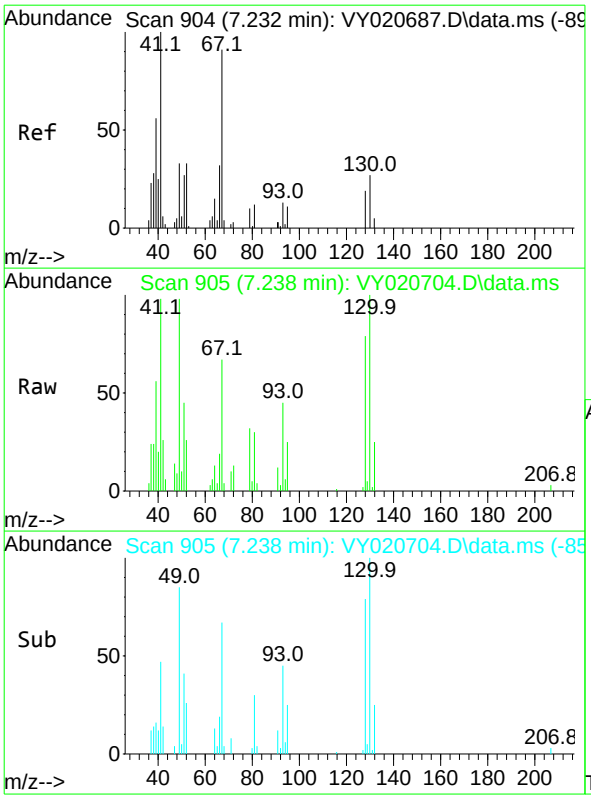


#40
Benzene
Concen: 51.901 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 78 Resp: 155801

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8

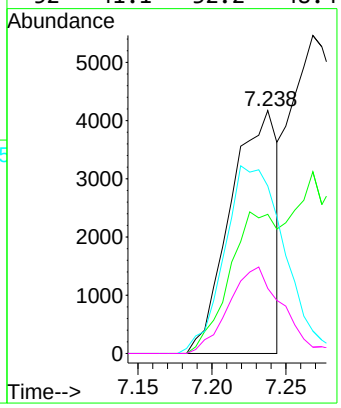




#41
Methacrylonitrile
Concen: 47.528 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 41 Resp: 9157

Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.6	70.0
67	98.9	74.7	112.1
52	41.1	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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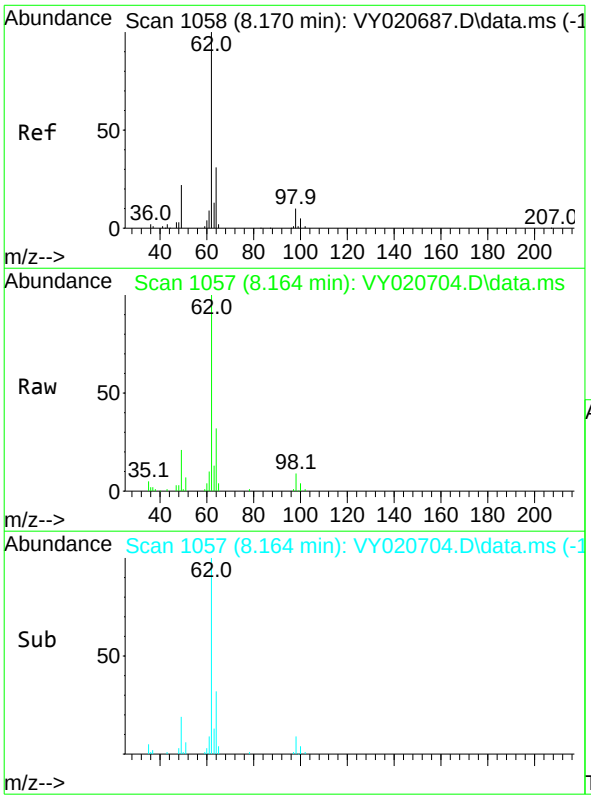
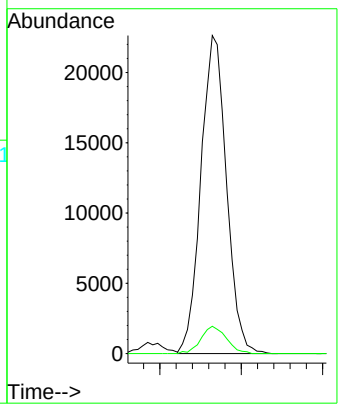
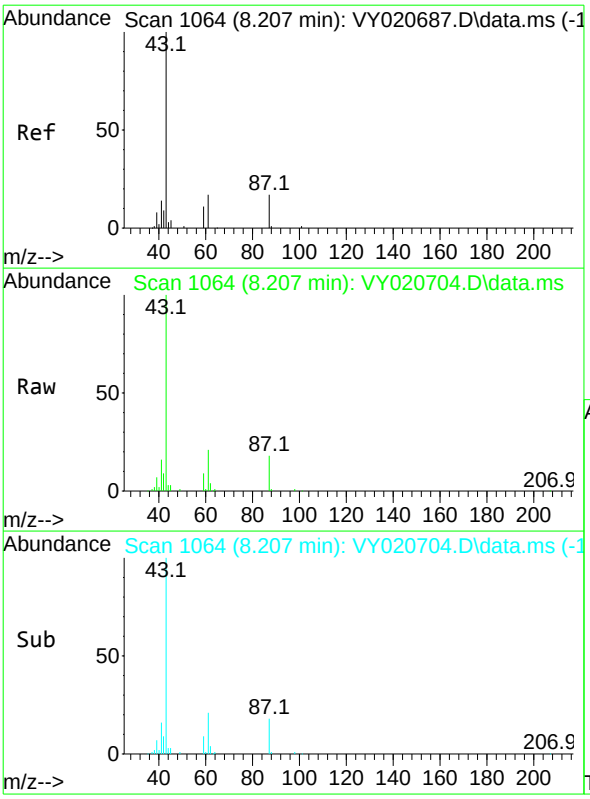


#42
1,2-Dichloroethane
Concen: 51.679 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 62 Resp: 49338

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

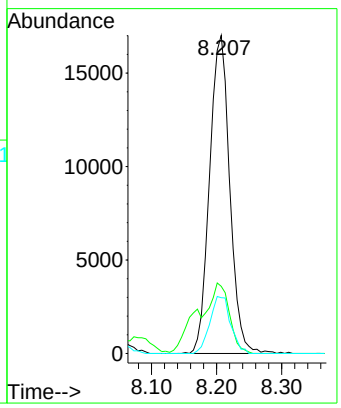




#43
Isopropyl Acetate
Concen: 51.839 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 36640

Ion	Ratio	Lower	Upper
43	100		
61	20.6	27.0	40.4#
87	18.4	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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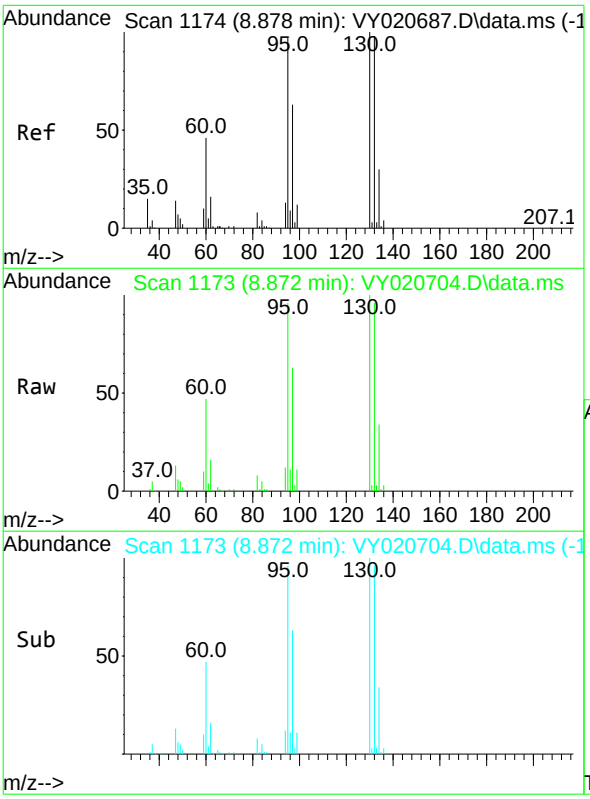
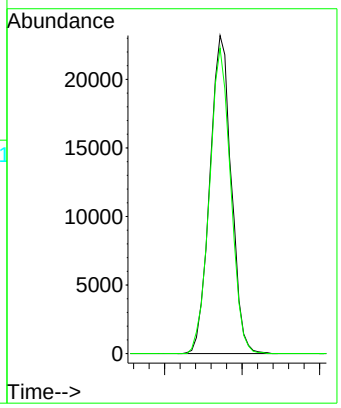
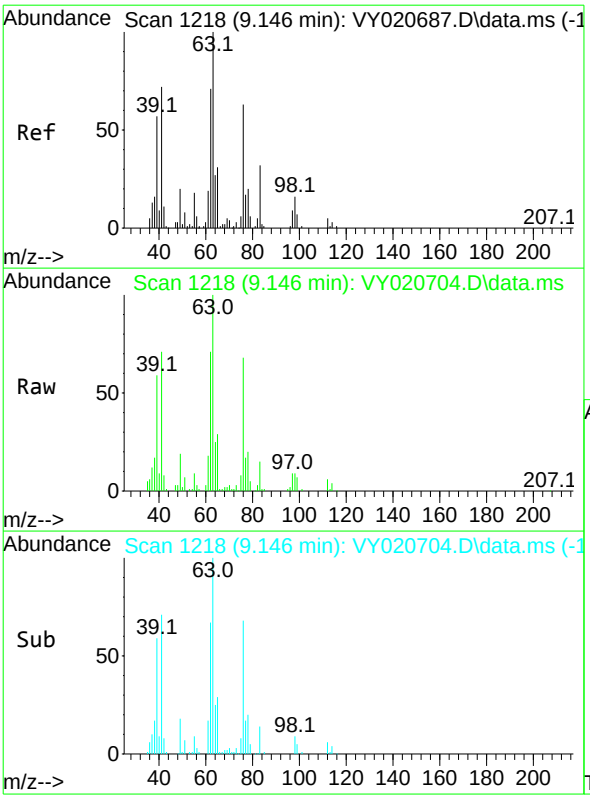


#44
Trichloroethene
Concen: 50.106 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:130 Resp: 44640

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.8

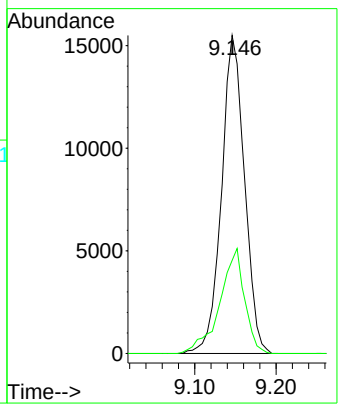




#45
1,2-Dichloropropane
Concen: 51.529 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 63 Resp: 30392

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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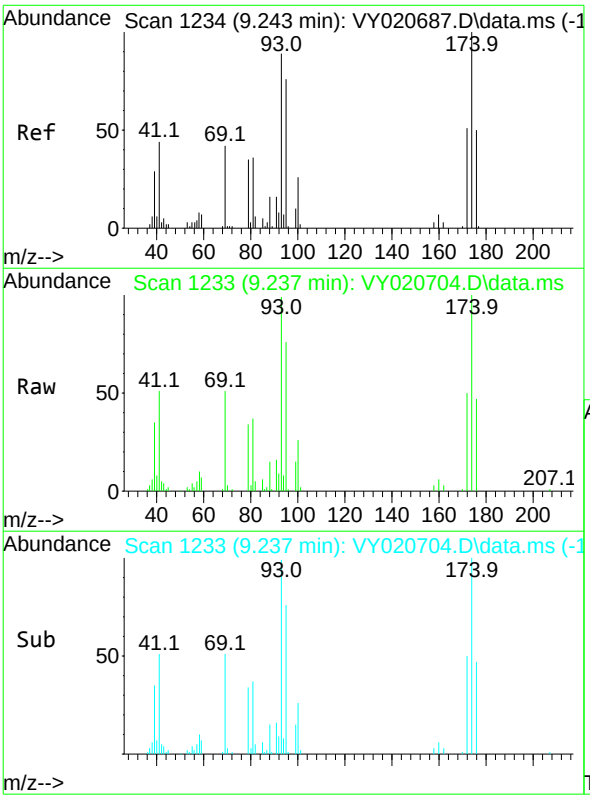
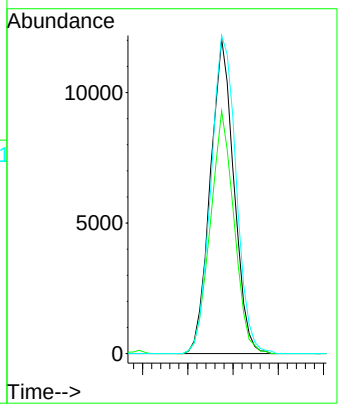
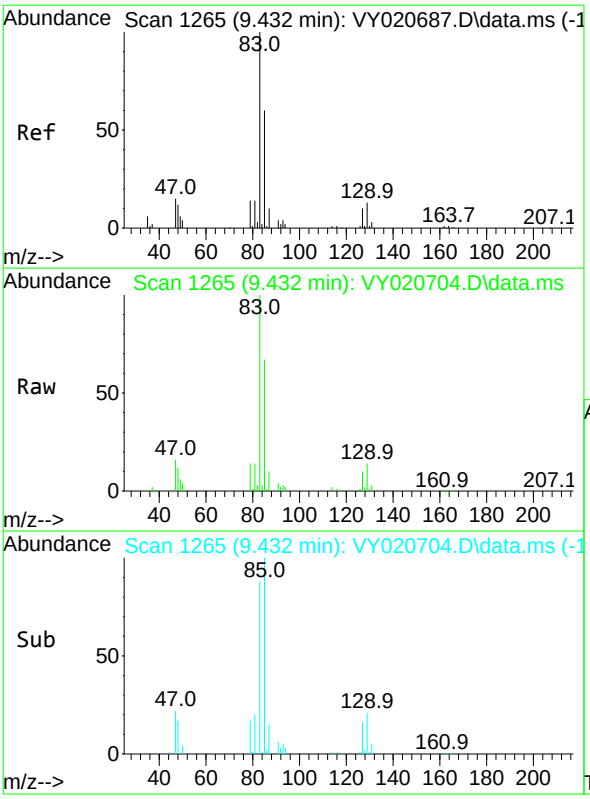


#46
Dibromomethane
Concen: 53.670 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 93 Resp: 21853

Ion	Ratio	Lower	Upper
93	100		
95	77.3	67.8	101.8
174	107.8	89.4	134.0

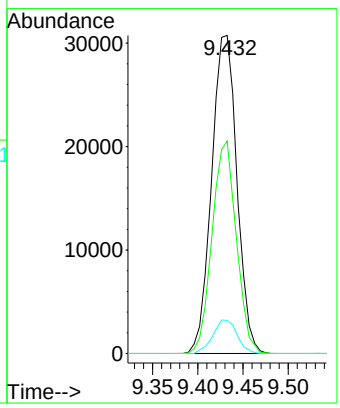




#47
Bromodichloromethane
Concen: 51.794 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 83 Resp: 59824

Ion	Ratio	Lower	Upper
83	100		
85	66.8	47.6	71.4
127	10.4	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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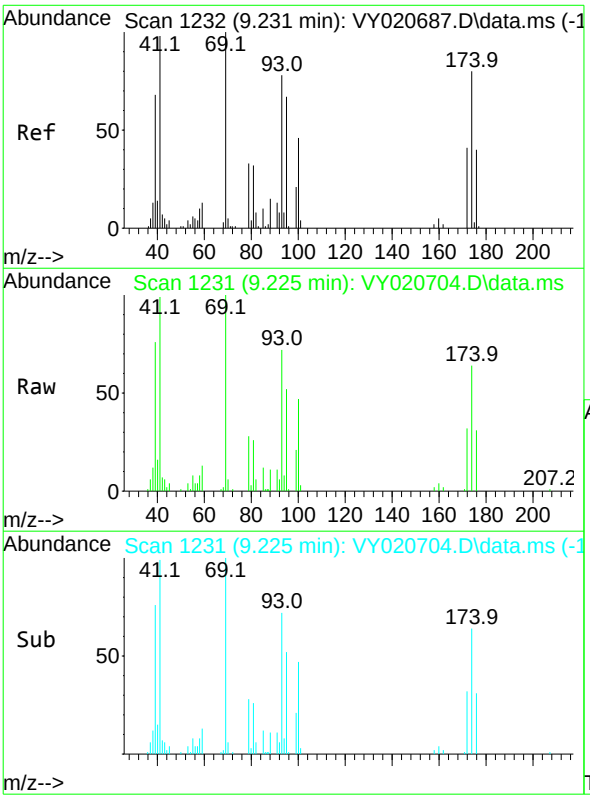
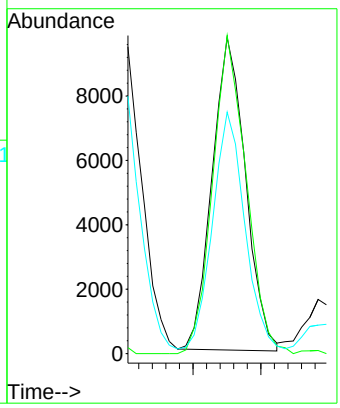
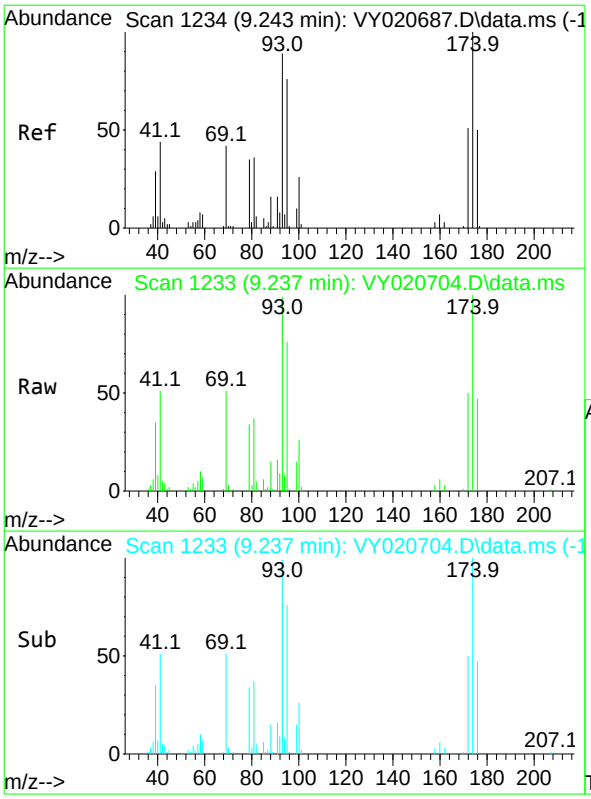


#48
Methyl methacrylate
Concen: 49.594 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 41 Resp: 16617

Ion	Ratio	Lower	Upper
41	100		
69	101.6	83.1	124.7
39	73.2	57.3	85.9





#49
1,4-Dioxane
Concen: 1155.007 ug/l
RT: 9.237 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 88 Resp: 4411

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.1	33.1
58	53.0	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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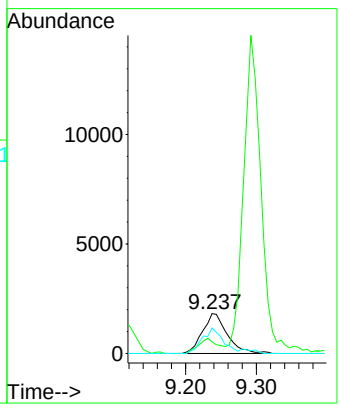
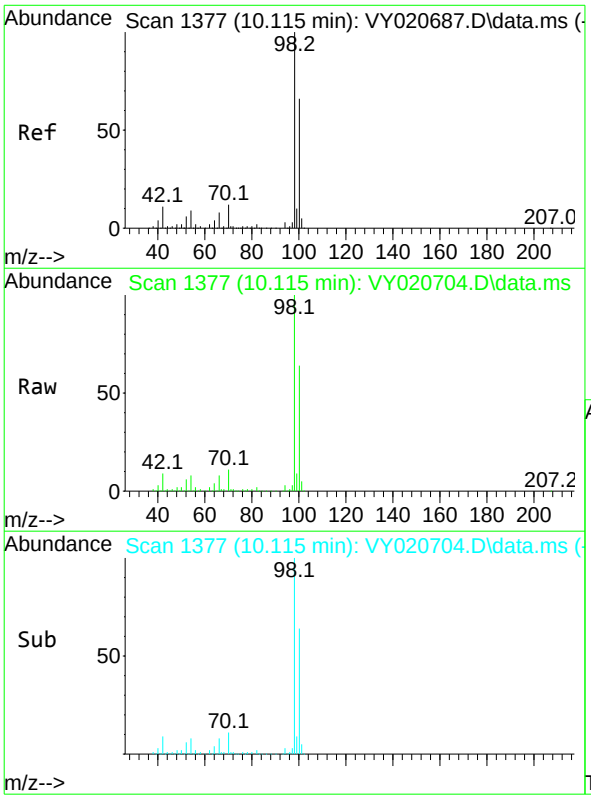
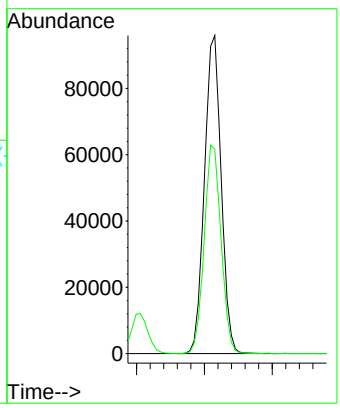


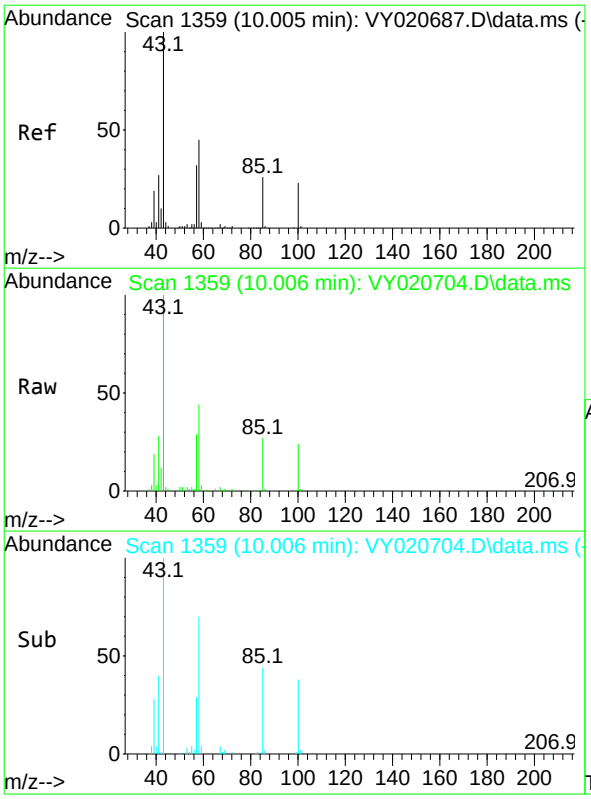


#50
Toluene-d8
Concen: 52.766 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 98 Resp: 164066

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.4

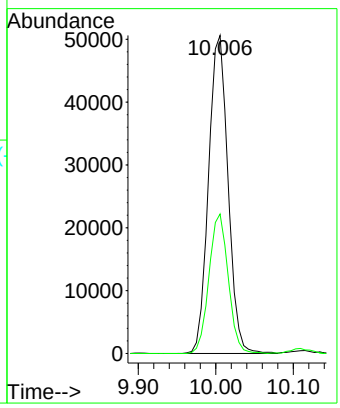




#51
4-Methyl-2-Pentanone
Concen: 250.023 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 88277

Ion	Ratio	Lower	Upper
43	100		
58	43.4	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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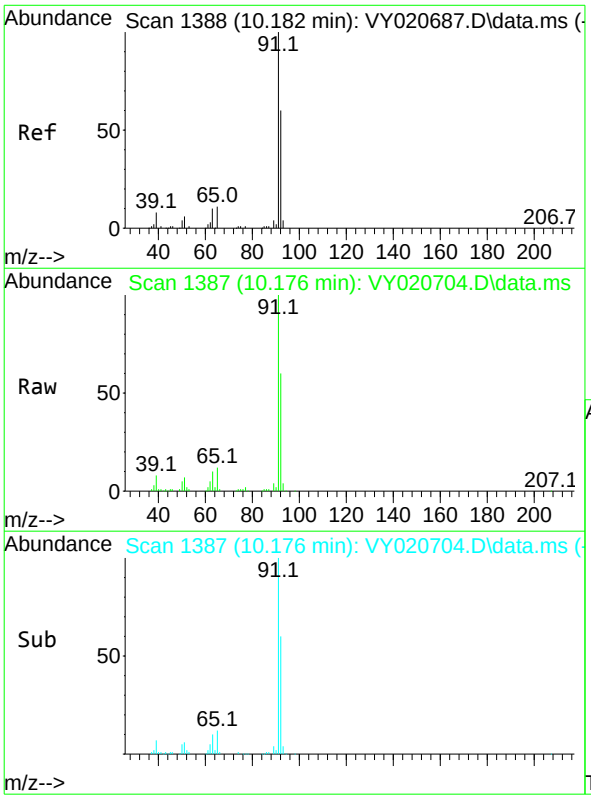
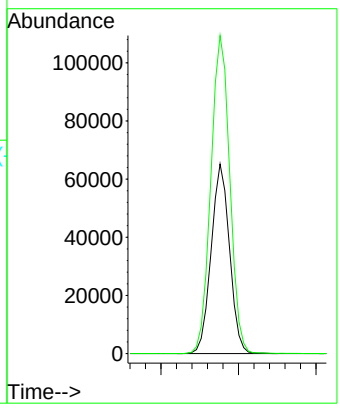
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

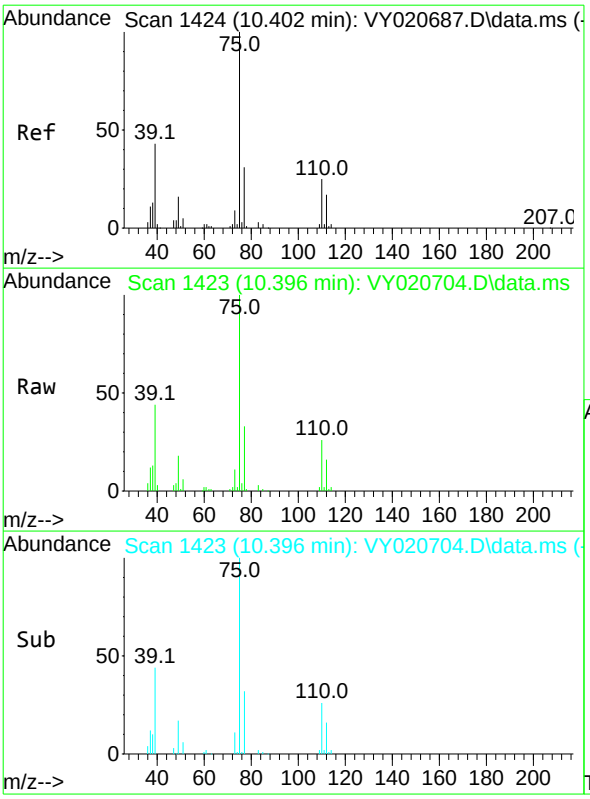


#52
Toluene
Concen: 52.497 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 92 Resp: 107314

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.7	206.5

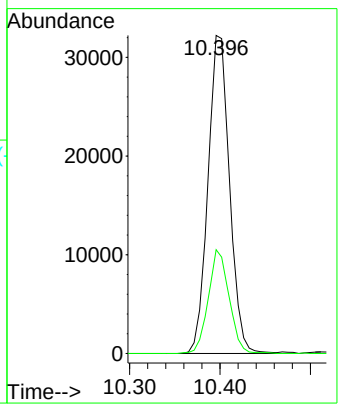




#53
t-1,3-Dichloropropene
Concen: 52.109 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 53257

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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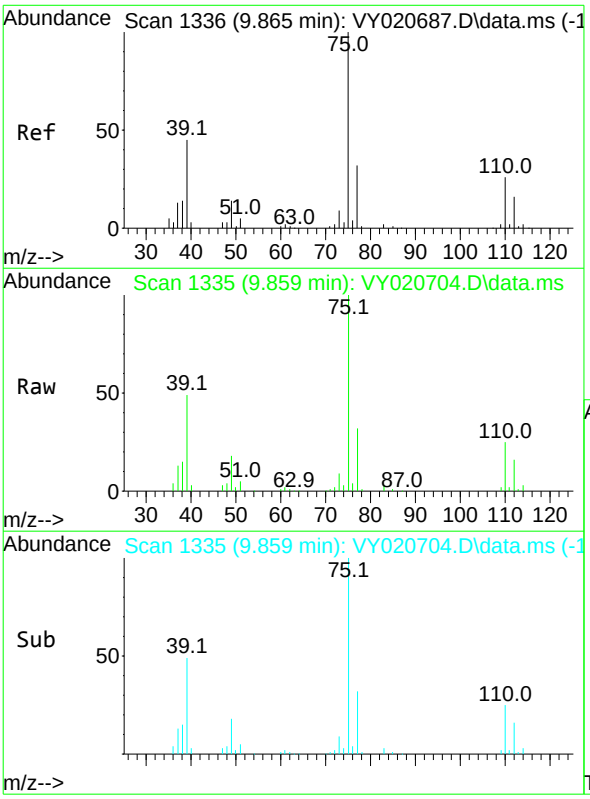
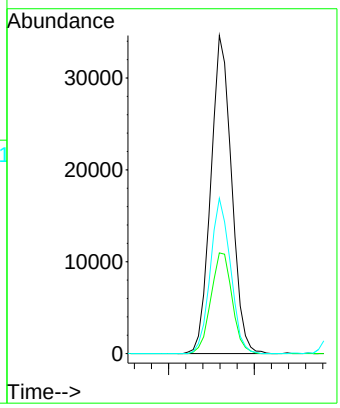
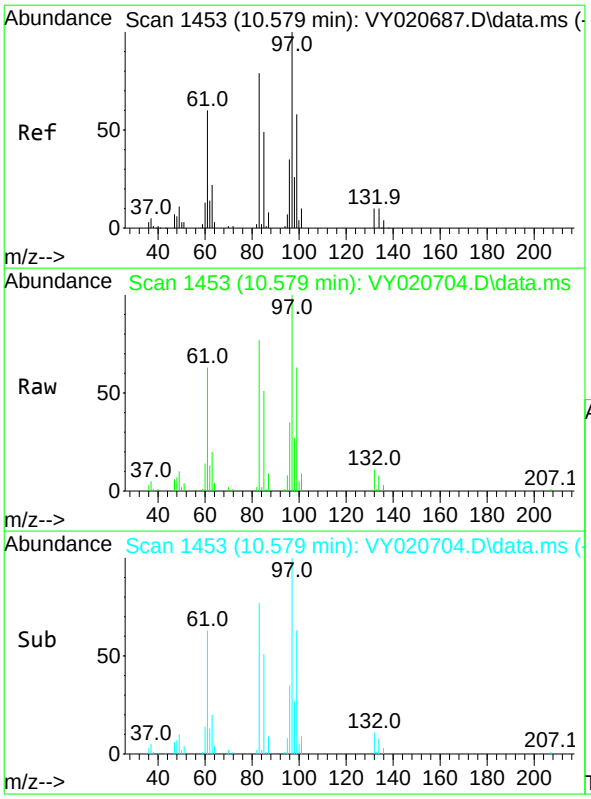


#54
cis-1,3-Dichloropropene
Concen: 51.816 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 58353

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	48.8	36.2	54.2

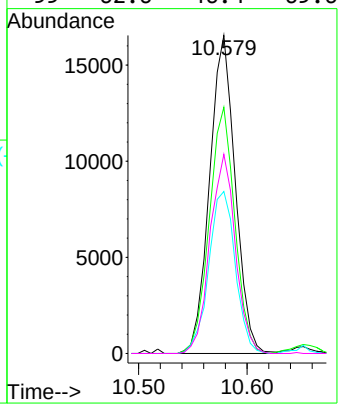




#55
1,1,2-Trichloroethane
Concen: 51.580 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 97 Resp: 27194

Ion	Ratio	Lower	Upper
97	100		
83	77.4	63.1	94.7
85	50.9	39.5	59.3
99	62.6	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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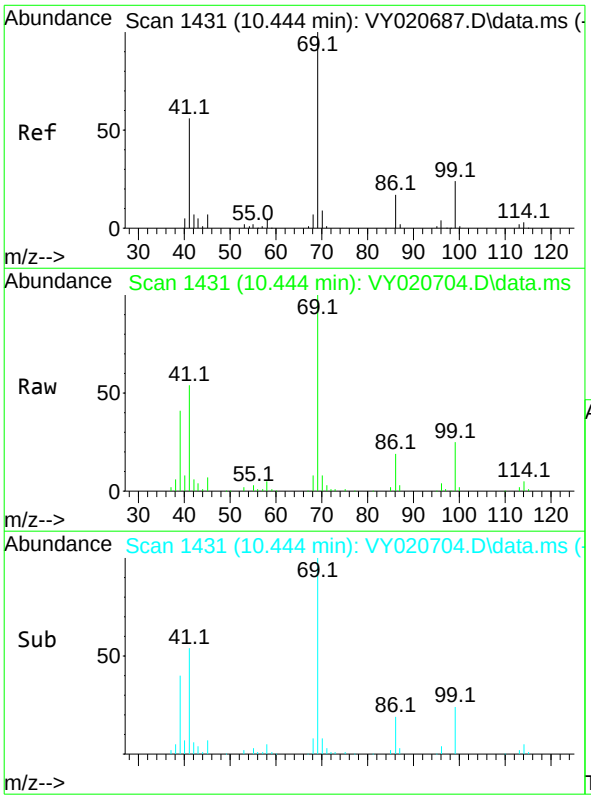
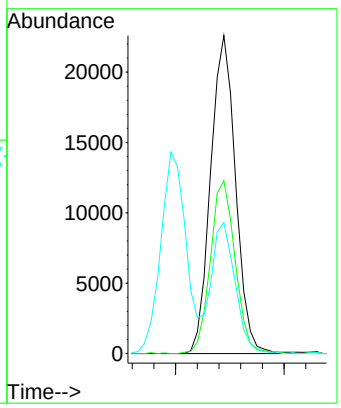
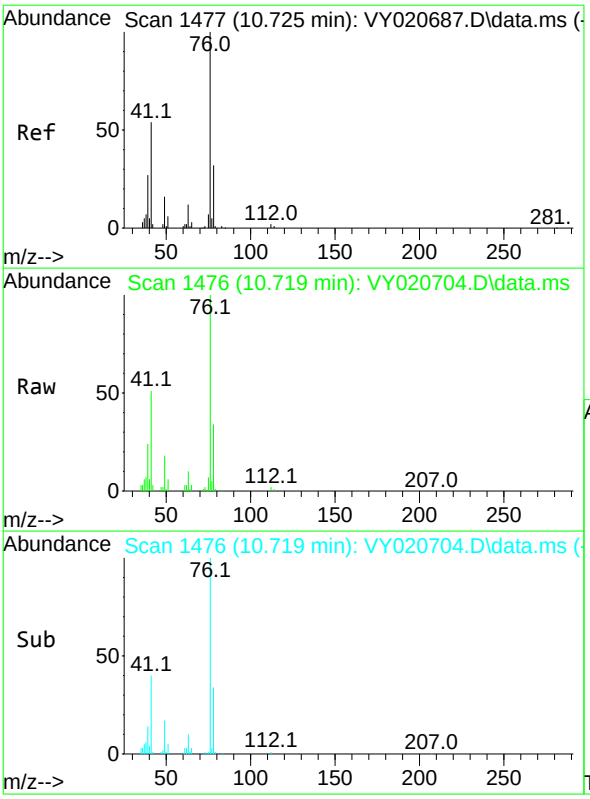


#56
Ethyl methacrylate
Concen: 53.588 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 69 Resp: 36039

Ion	Ratio	Lower	Upper
69	100		
41	54.3	43.8	65.6
39	39.7	32.0	48.0

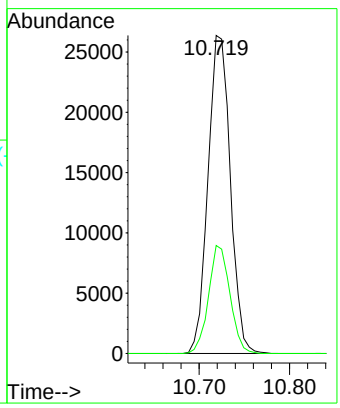




#57
1,3-Dichloropropane
Concen: 52.518 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 76 Resp: 45260

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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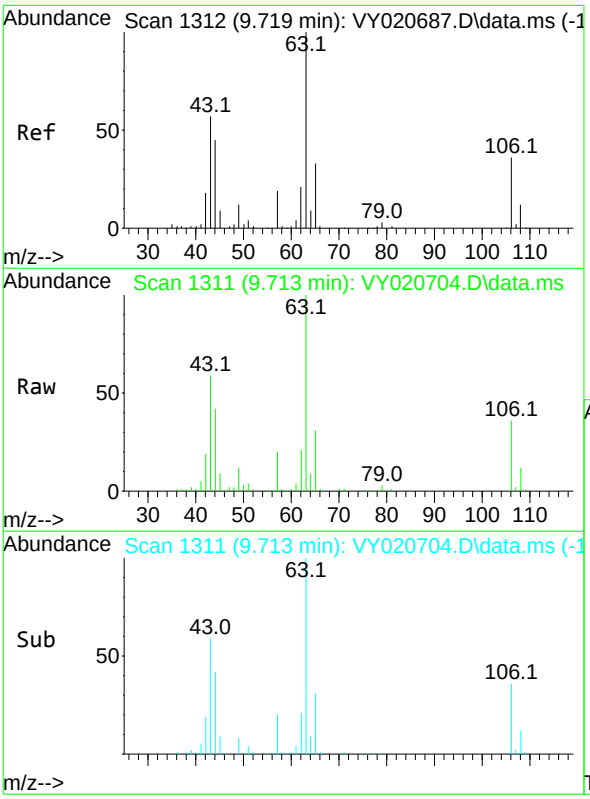
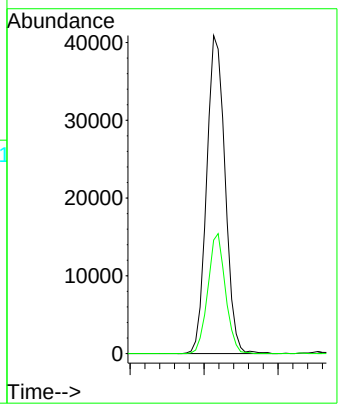
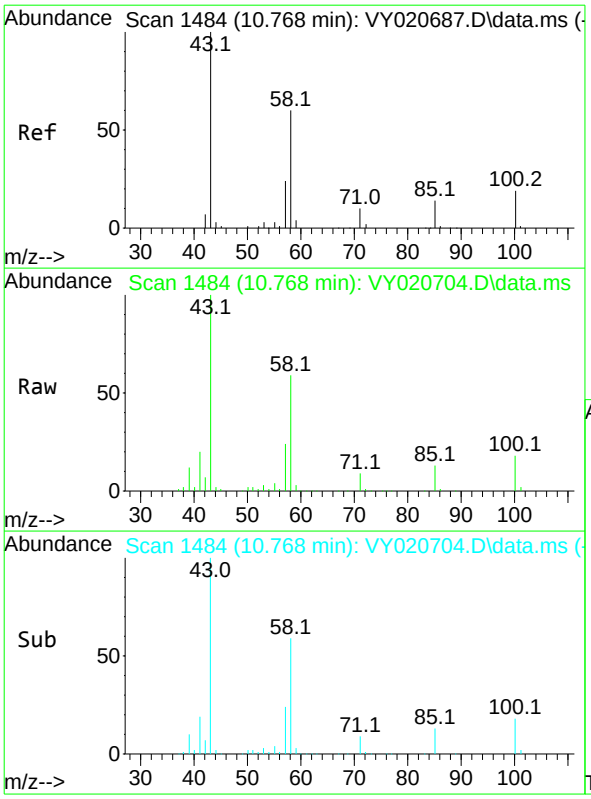


#58
2-Chloroethyl Vinyl ether
Concen: 281.507 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 63 Resp: 70747

Ion	Ratio	Lower	Upper
63	100		
106	35.9	29.1	43.7





#59
2-Hexanone
Concen: 264.044 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 59383

Ion	Ratio	Lower	Upper
43	100		
58	59.3	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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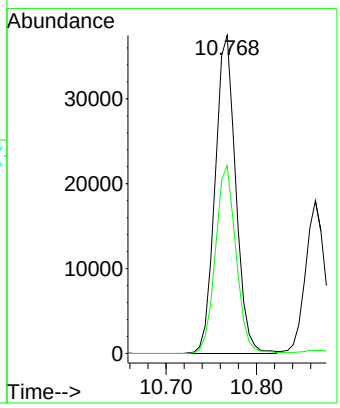
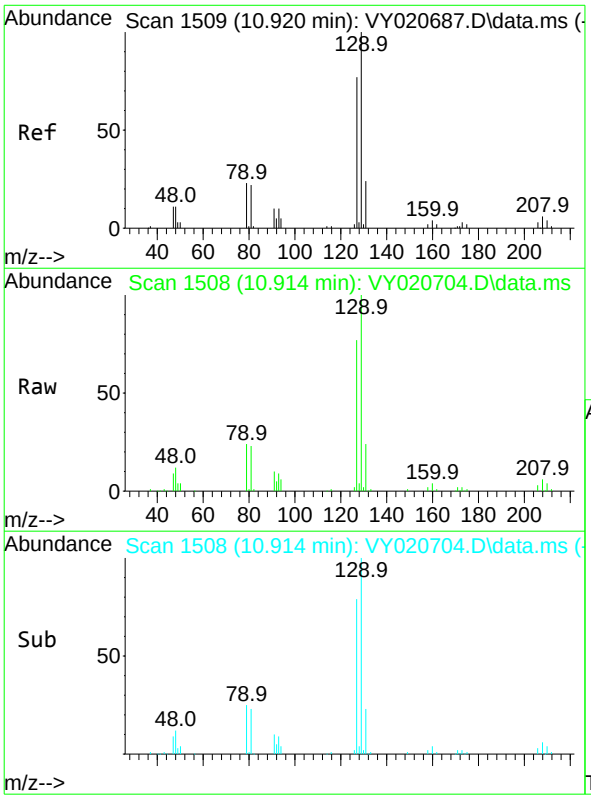
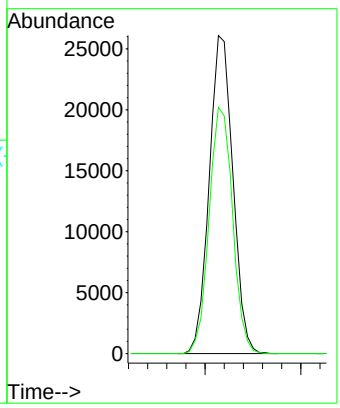


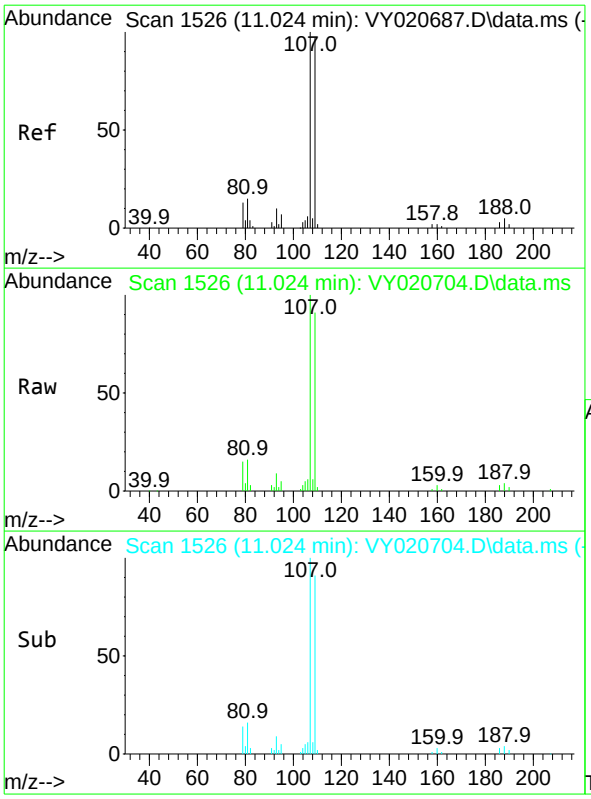


#60
Dibromochloromethane
Concen: 53.267 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:129 Resp: 44838

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5





#61
1,2-Dibromoethane
Concen: 51.212 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:107 Resp: 25312

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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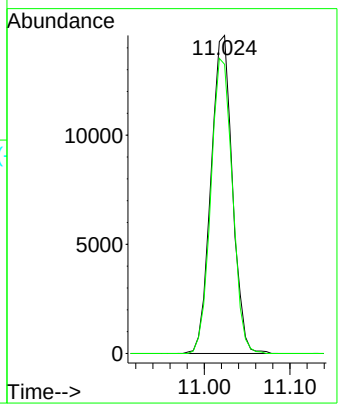
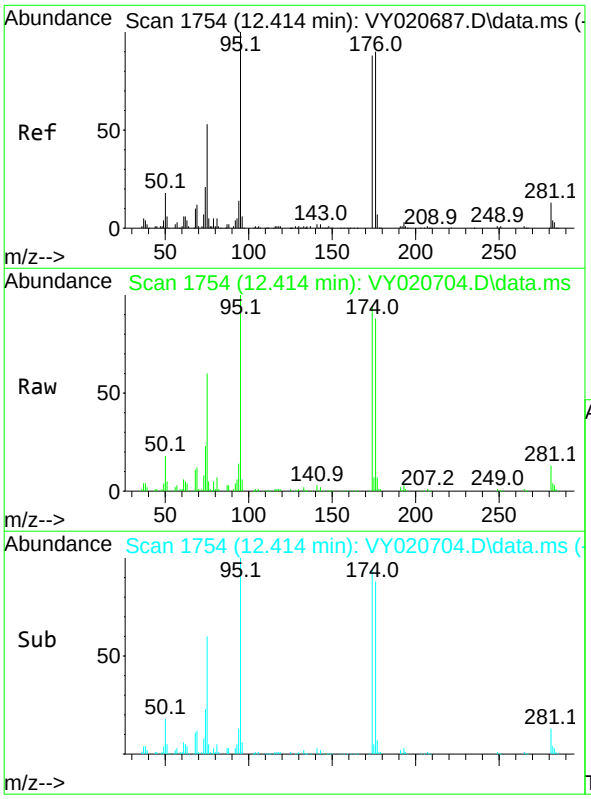
Supervised By :Mahesh Dadoda 12/26/2024

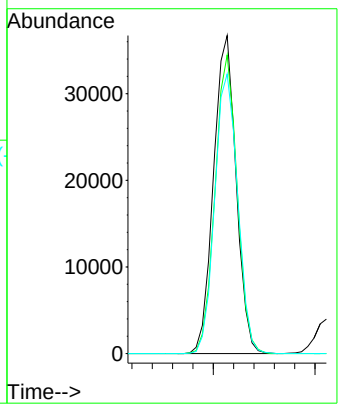


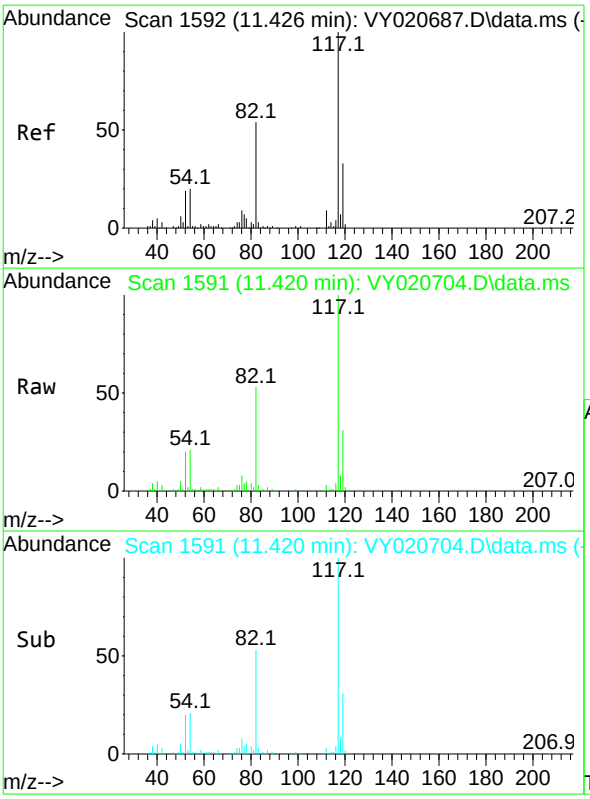


#62
4-Bromofluorobenzene
Concen: 49.910 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 95 Resp: 56483

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	179.2
176	89.3	0.0	179.8

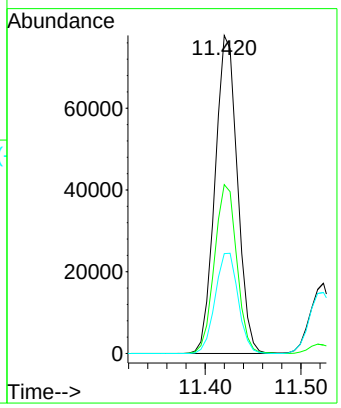




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:117 Resp: 126465

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.2
119	31.4	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
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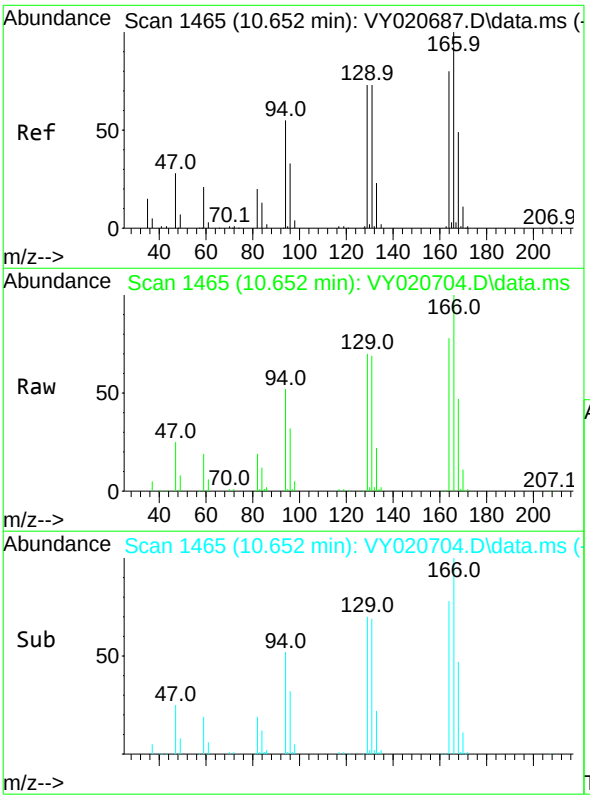
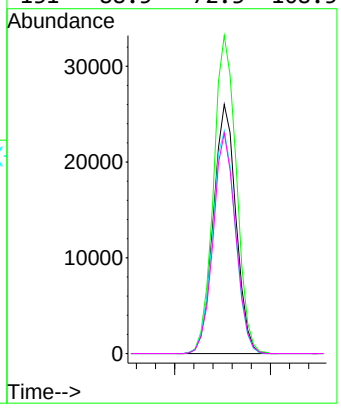
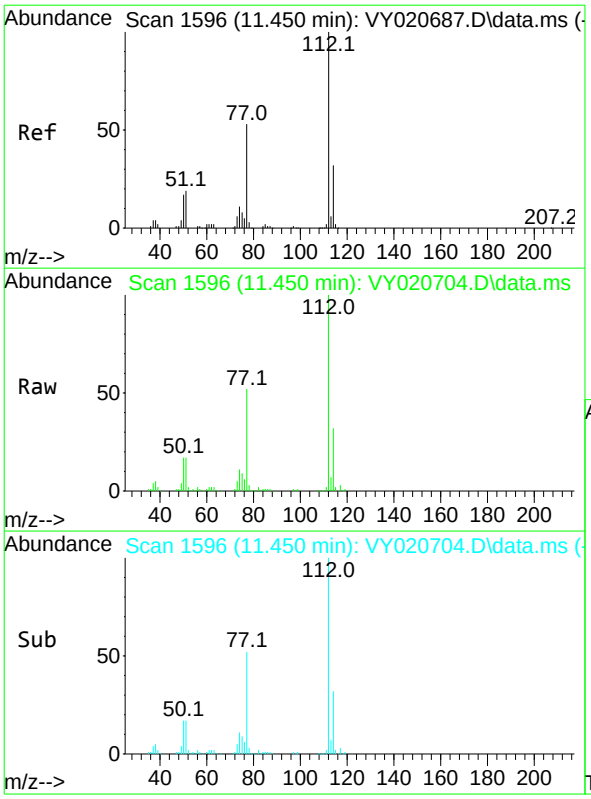


#64
Tetrachloroethene
Concen: 50.635 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:164 Resp: 42528

Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.6	149.4
129	89.4	73.0	109.4
131	88.5	72.3	108.5

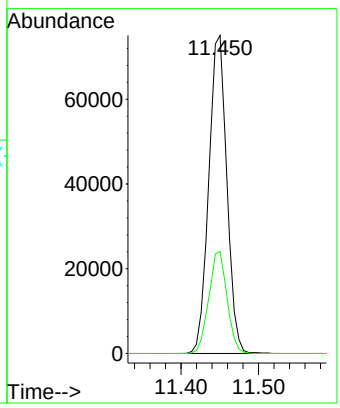




#65
Chlorobenzene
Concen: 51.417 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:112 Resp: 121510

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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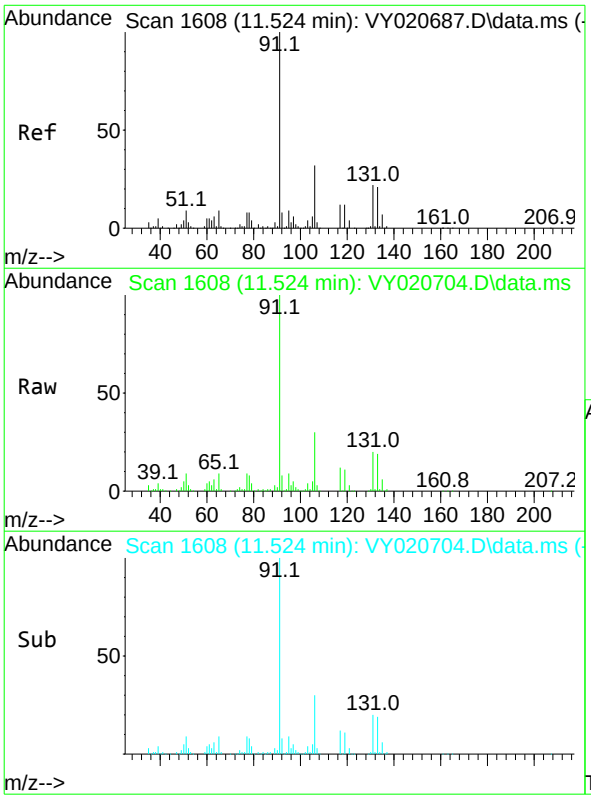
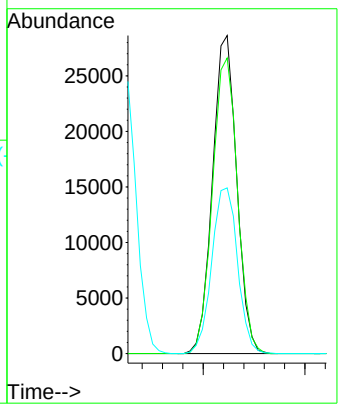
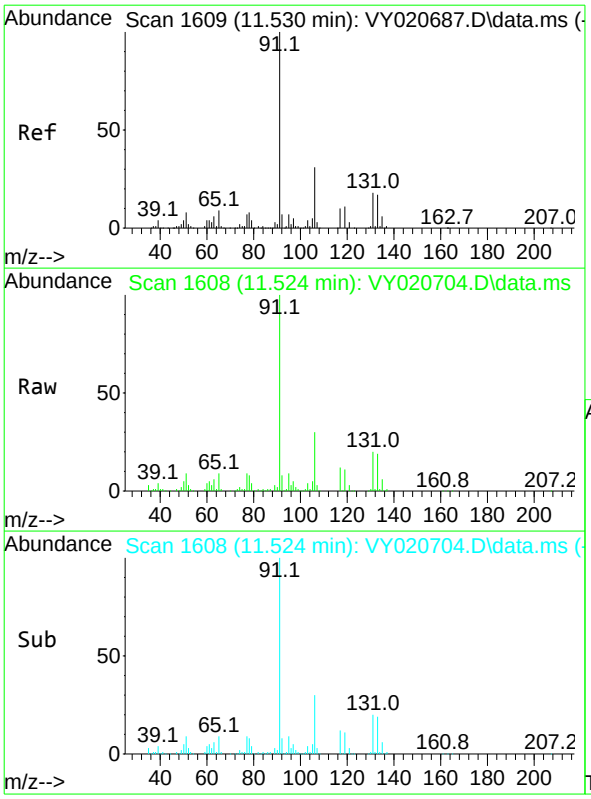


#66
1,1,1,2-Tetrachloroethane
Concen: 51.228 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:131 Resp: 47276

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	55.5	28.4	85.3

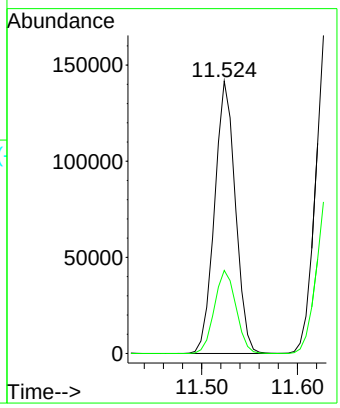




#67
Ethyl Benzene
Concen: 50.554 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 214345

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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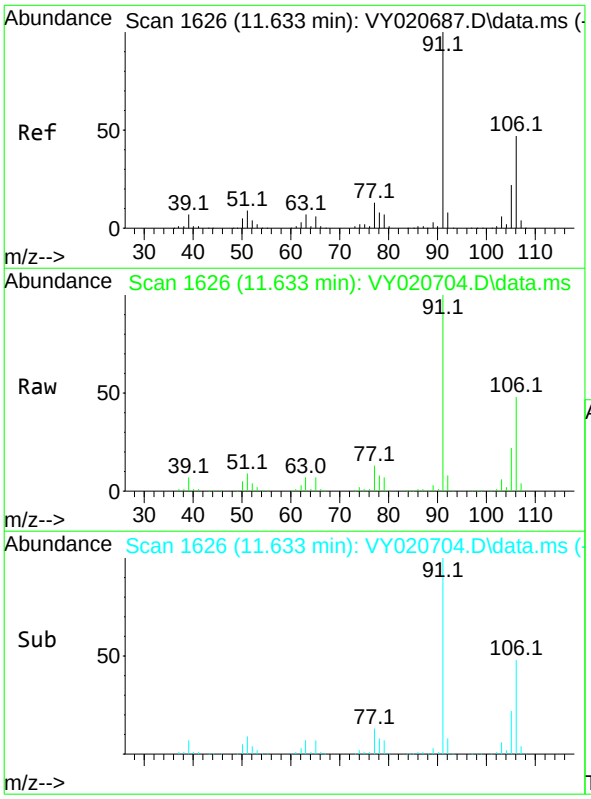
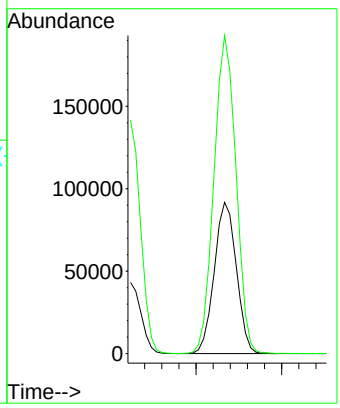
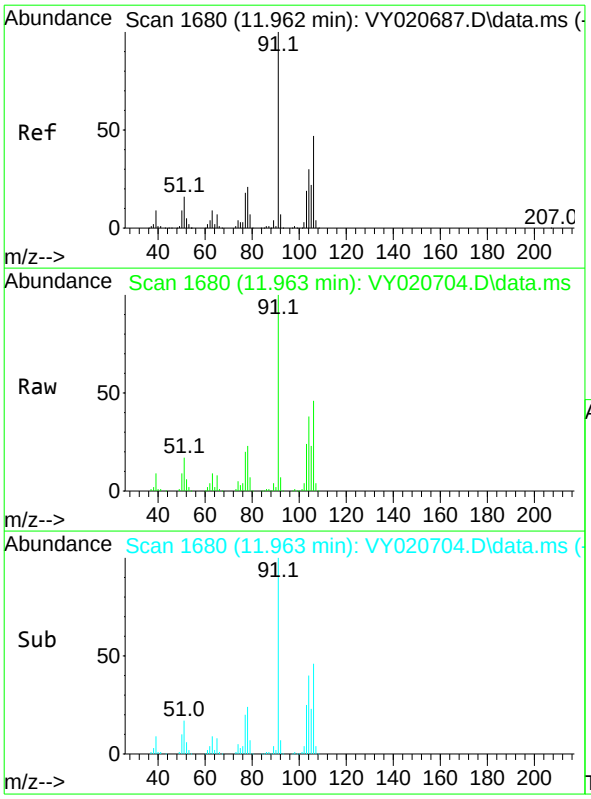


#68
m/p-Xylenes
Concen: 101.778 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:106 Resp: 164557

Ion	Ratio	Lower	Upper
106	100		
91	209.6	166.6	250.0

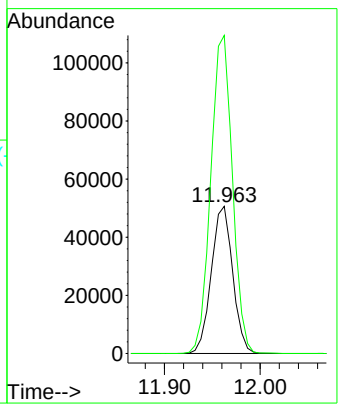




#69
o-Xylene
Concen: 51.751 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:106 Resp: 78598

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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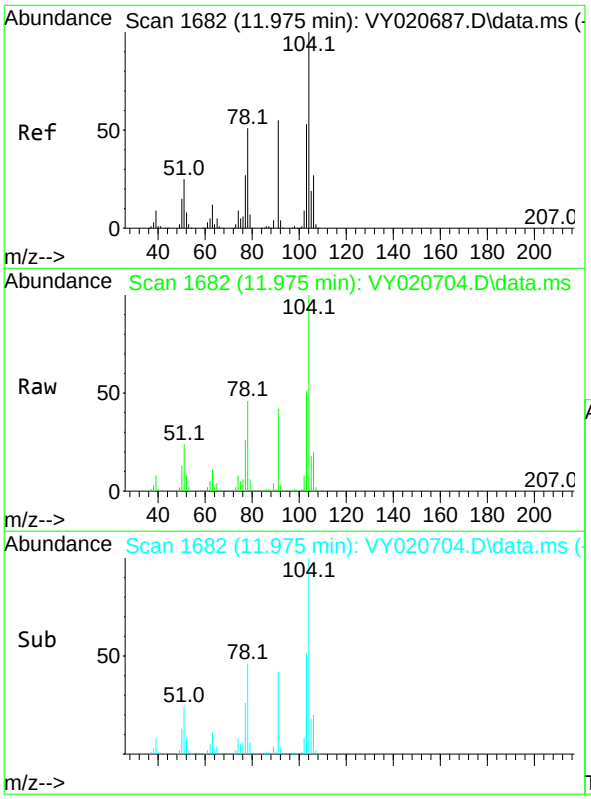
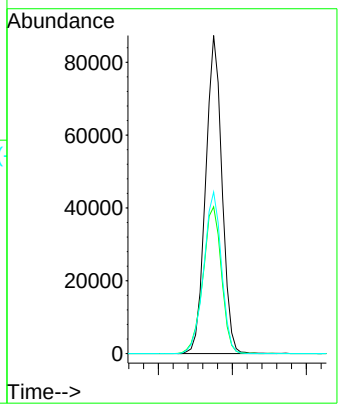
Supervised By :Mahesh Dadoda 12/26/2024

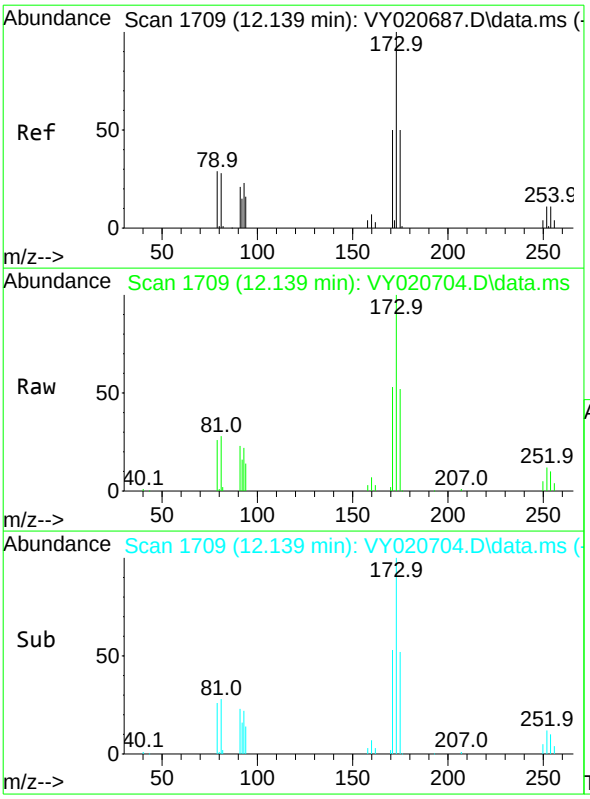


#70
Styrene
Concen: 52.384 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:104 Resp: 133817

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.0	64.4
103	55.1	44.4	66.6

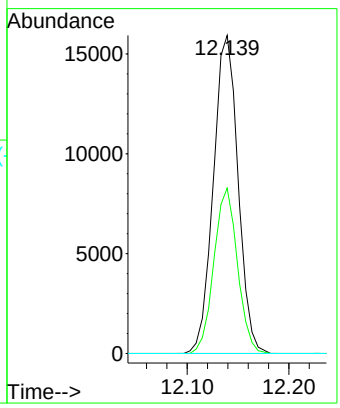




#71
Bromoform
Concen: 50.753 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:173 Resp: 26828

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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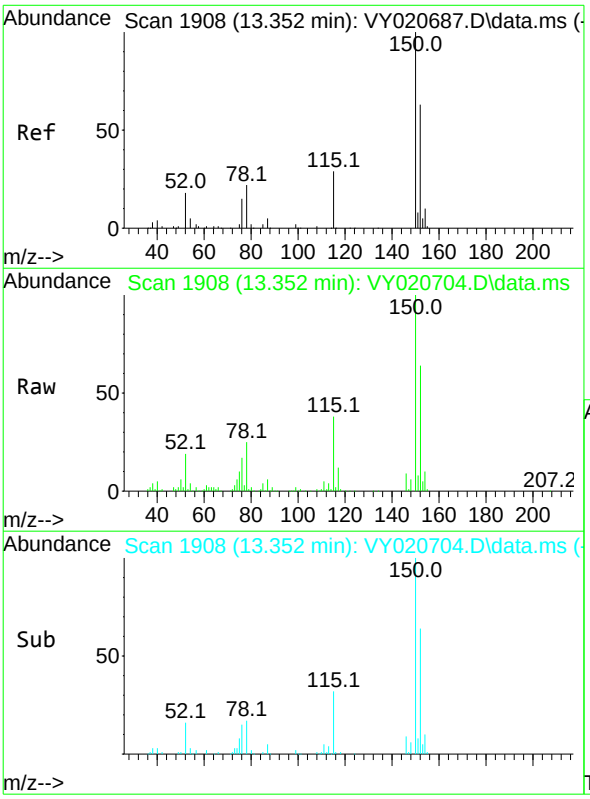
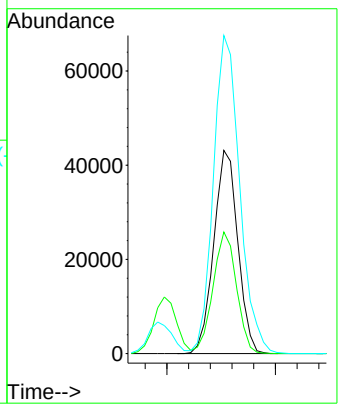
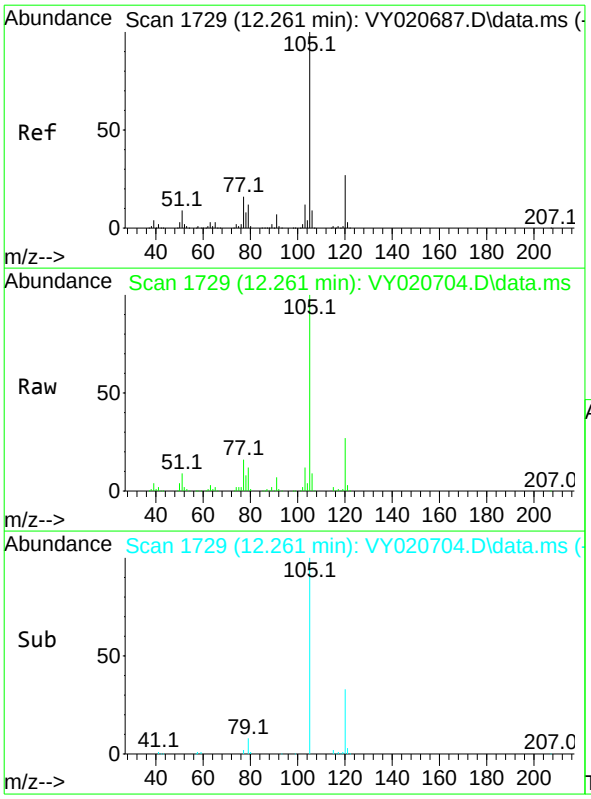


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:152 Resp: 66302

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.3	90.9
150	171.2	0.0	349.0

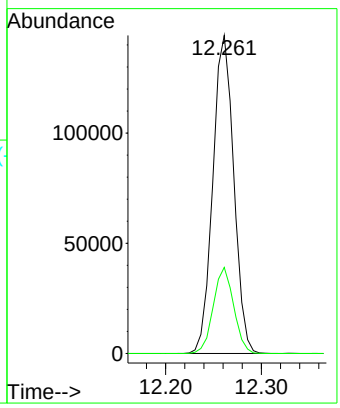




#73
Isopropylbenzene
Concen: 48.610 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 219224

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9



Instrument :
MSVOA_Y
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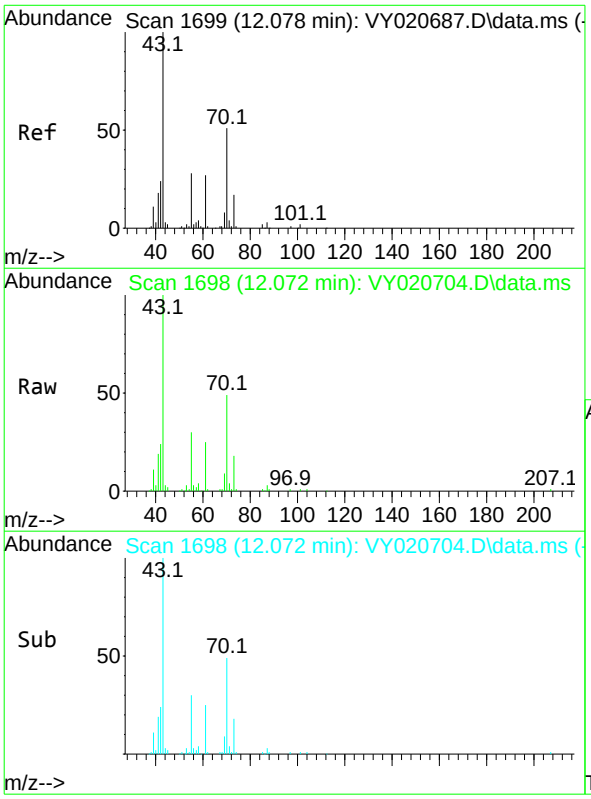
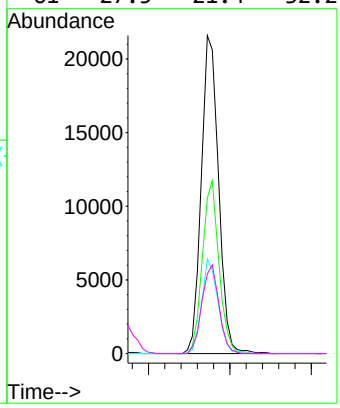
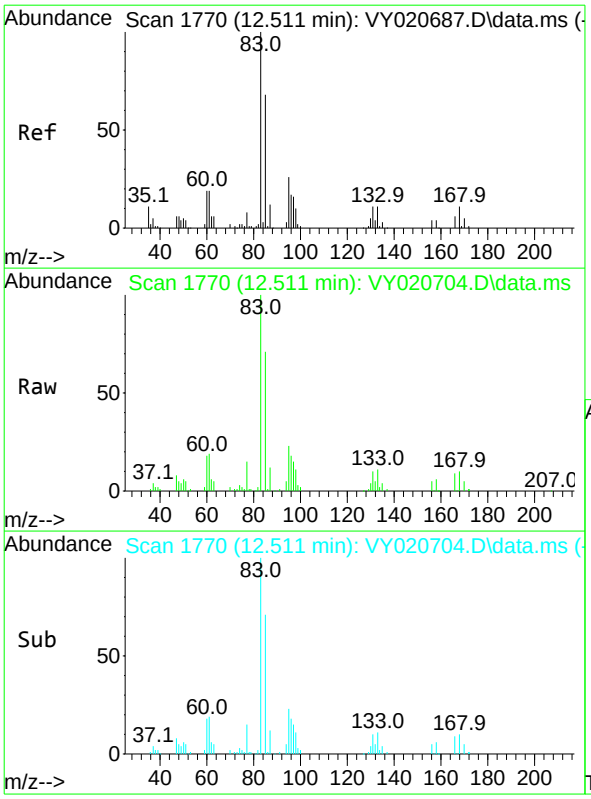


#74
N-amyl acetate
Concen: 50.222 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 31826

Ion	Ratio	Lower	Upper
43	100		
70	52.1	39.7	59.5
55	28.1	21.5	32.3
61	27.5	21.4	32.2

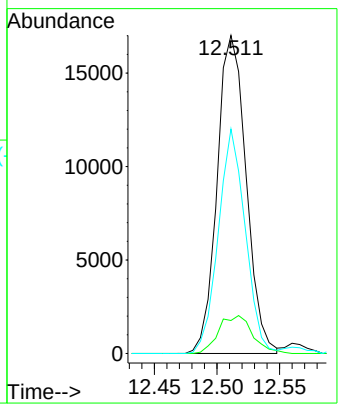




#75
1,1,2,2-Tetrachloroethane
Concen: 47.365 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 83 Resp: 27488

Ion	Ratio	Lower	Upper
83	100		
131	13.9	6.9	20.7
85	65.5	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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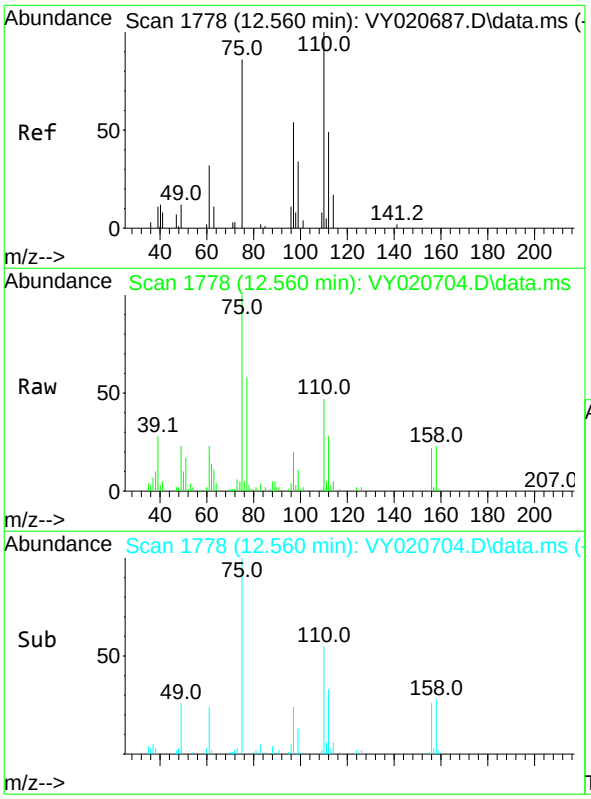
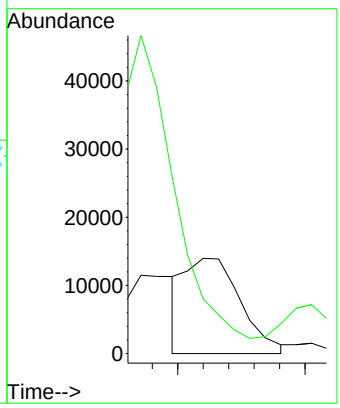
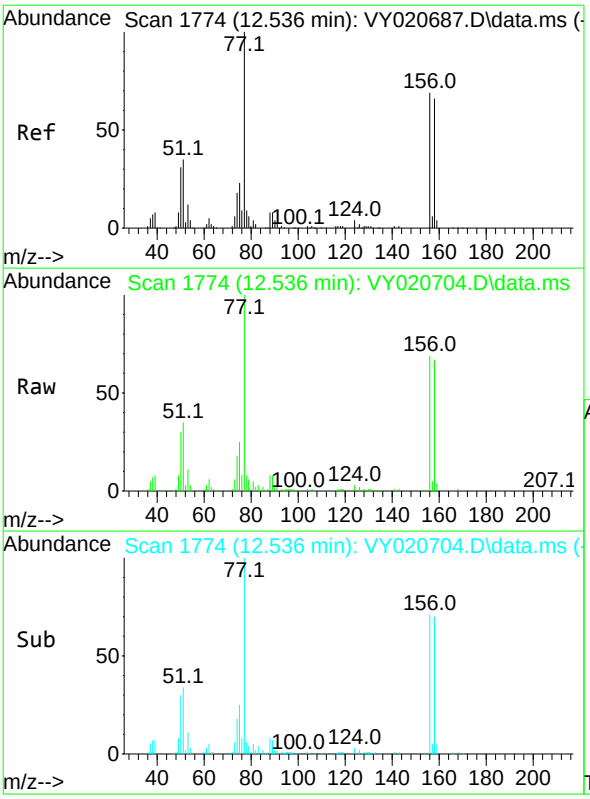


#76
1,2,3-Trichloropropane
Concen: 46.599 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 21307

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

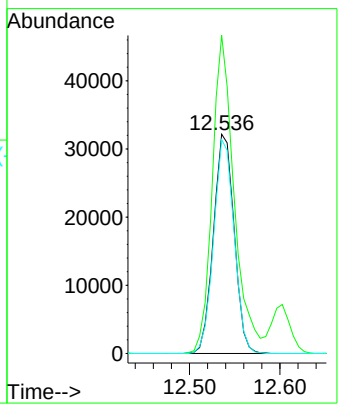




#77
Bromobenzene
Concen: 49.756 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:156 Resp: 51097

Ion	Ratio	Lower	Upper
156	100		
77	153.0	78.3	235.0
158	96.8	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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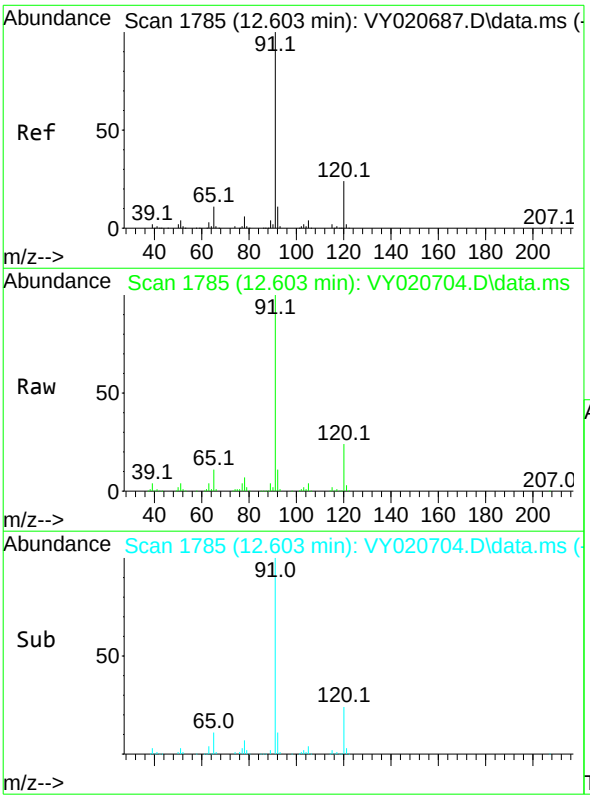
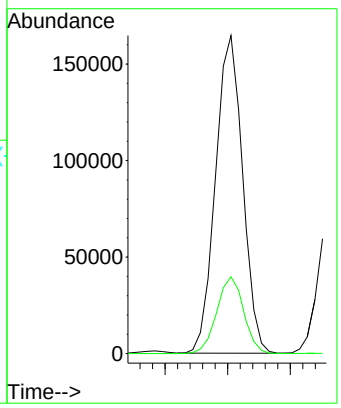
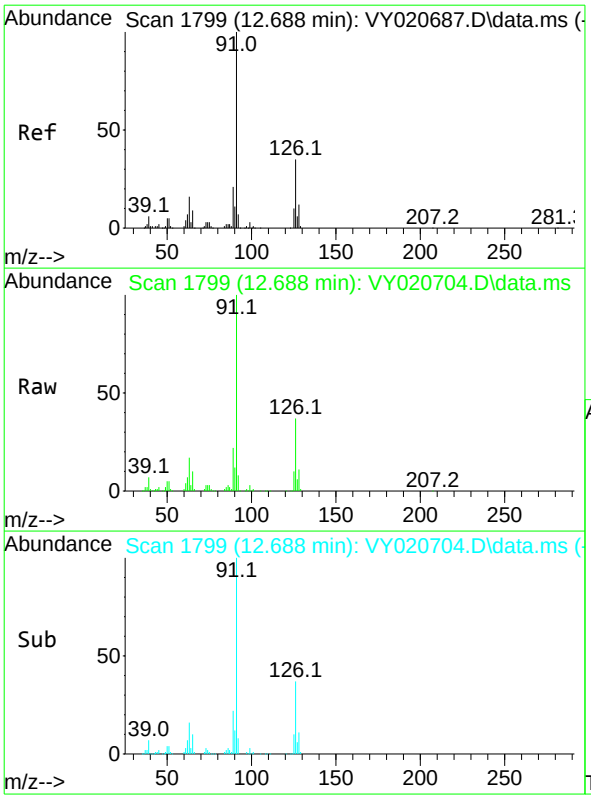


#78
n-propylbenzene
Concen: 48.719 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 247710

Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8

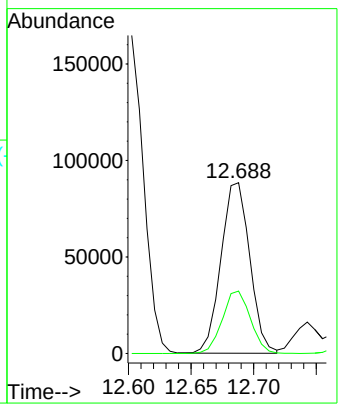




#79
2-Chlorotoluene
Concen: 48.911 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 141572

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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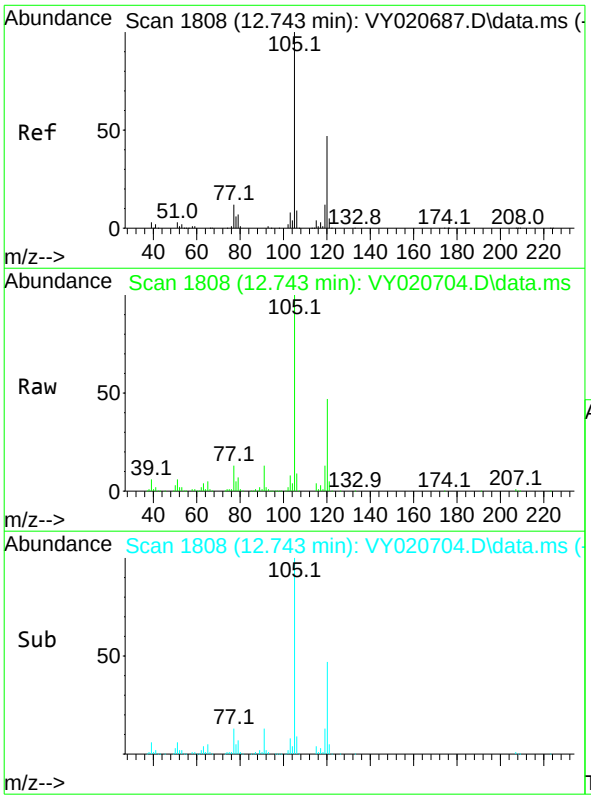
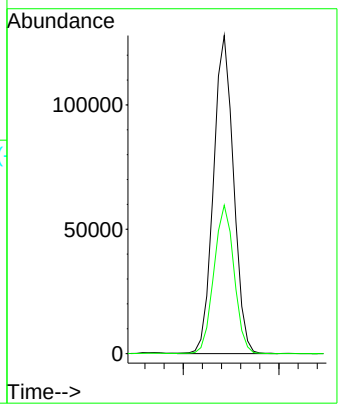
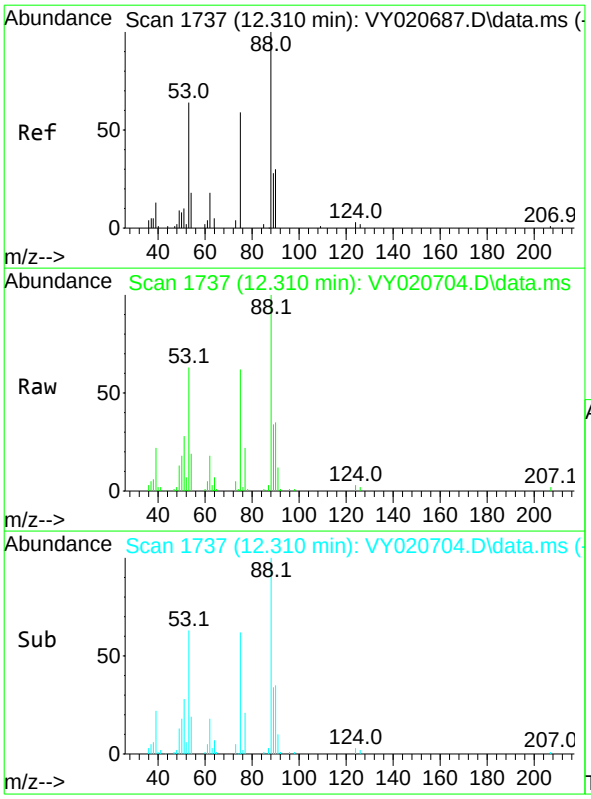


#80
1,3,5-Trimethylbenzene
Concen: 49.839 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 186425

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7

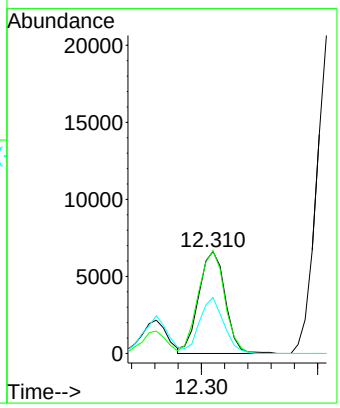




#81
trans-1,4-Dichloro-2-butene
Concen: 49.690 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 10452

Ion	Ratio	Lower	Upper
75	100		
53	100.3	83.1	124.7
89	49.6	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
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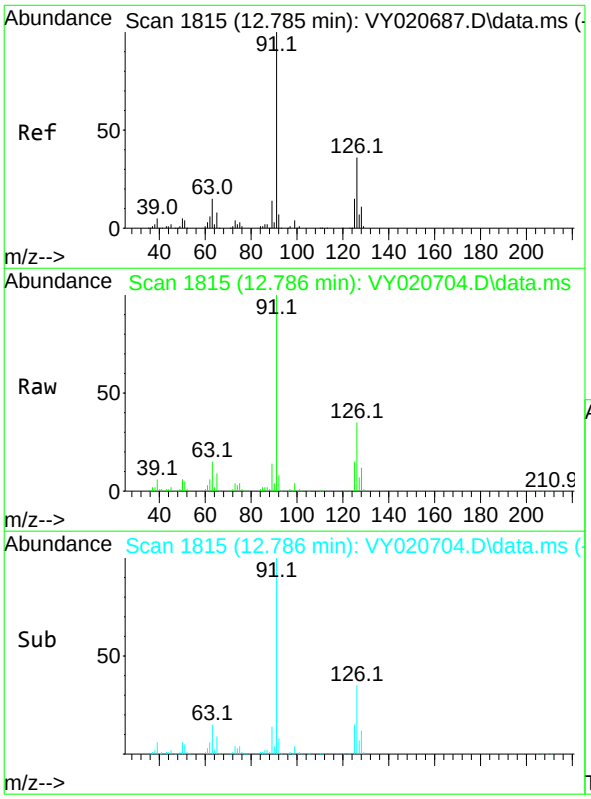
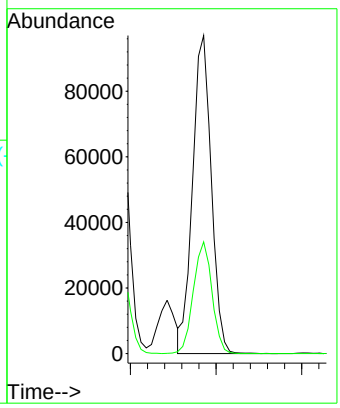
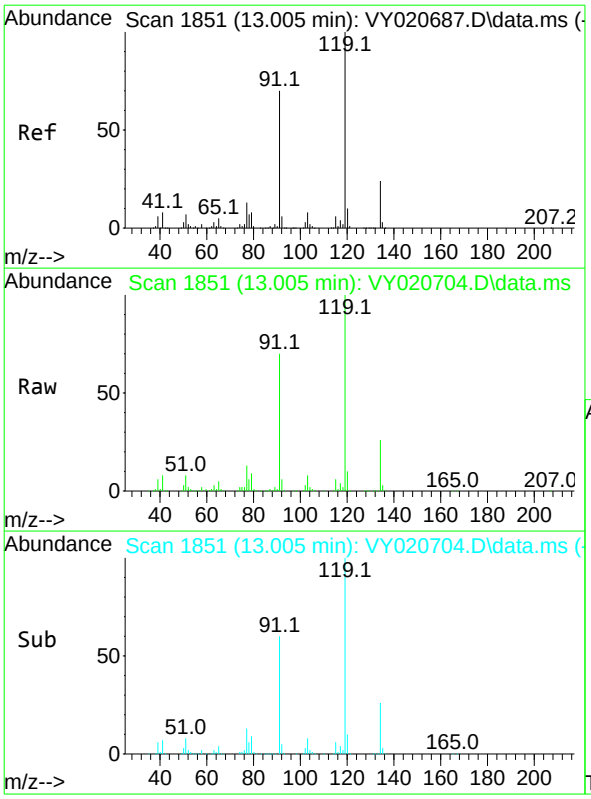


#82
4-Chlorotoluene
Concen: 49.759 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 146889

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5

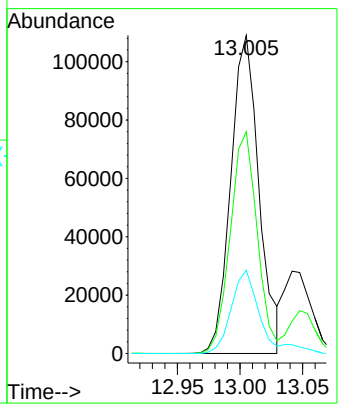




#83
tert-Butylbenzene
Concen: 49.098 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:119 Resp: 170884

Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.6	100.8
134	27.1	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
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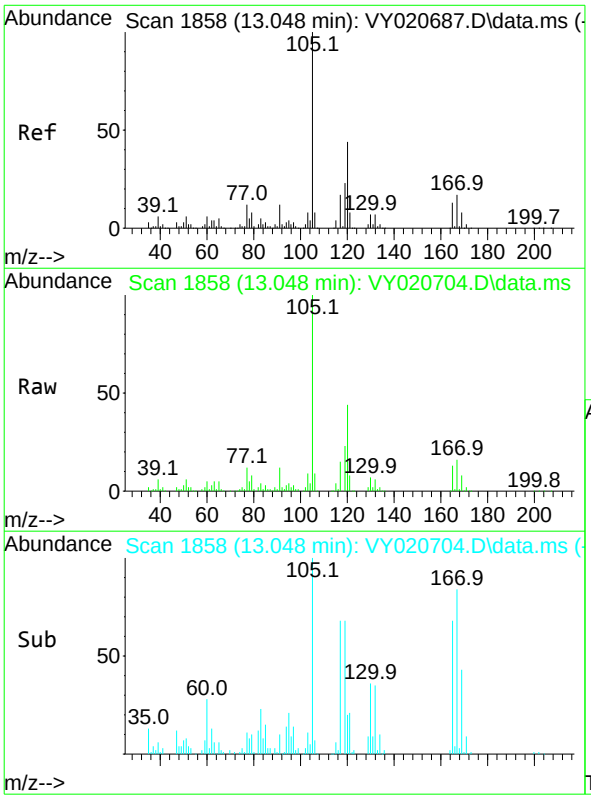
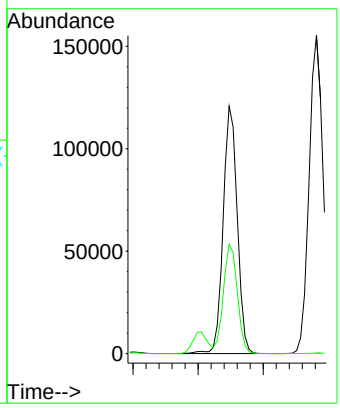
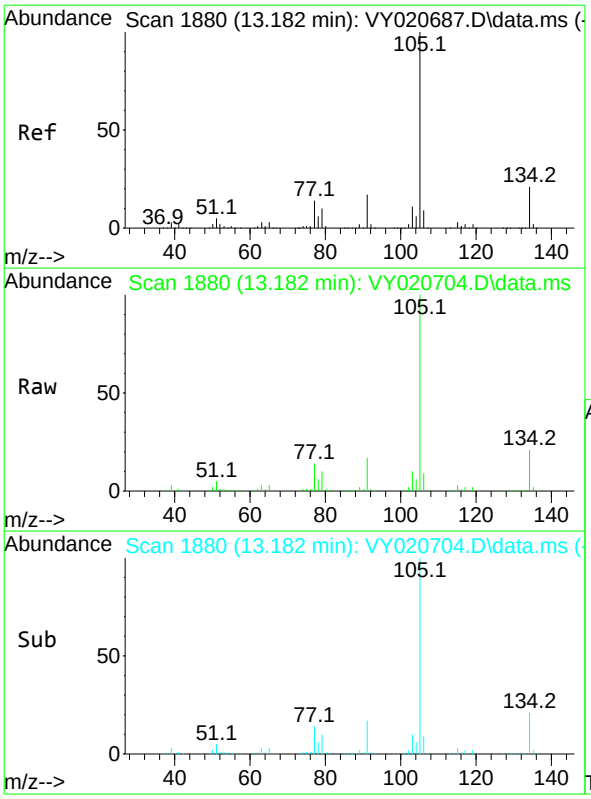


#84
1,2,4-Trimethylbenzene
Concen: 49.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 181401

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.3





#85
sec-Butylbenzene
Concen: 49.454 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 231763

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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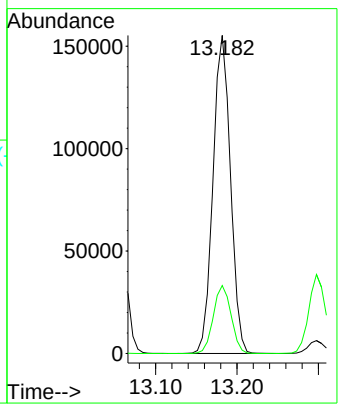
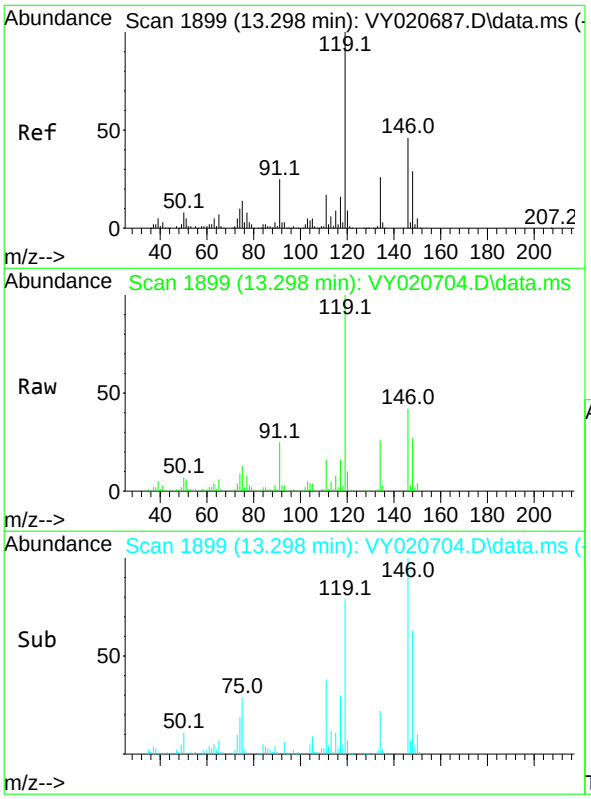
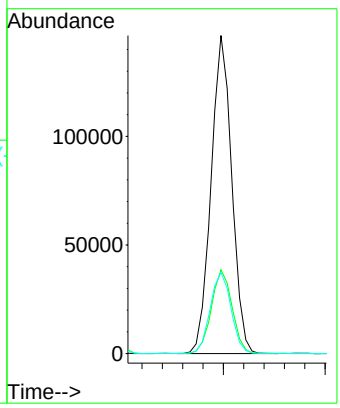


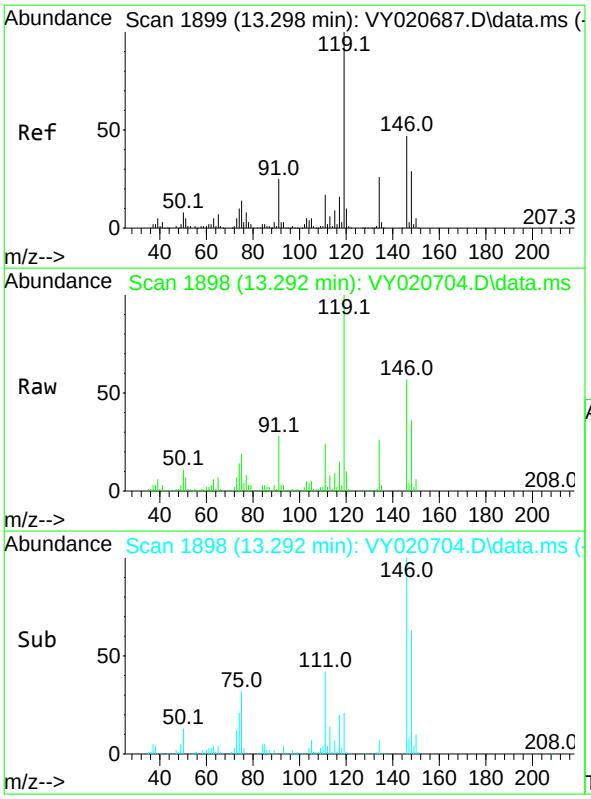


#86
p-Isopropyltoluene
Concen: 50.523 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:119 Resp: 207000

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.7	12.9	38.6

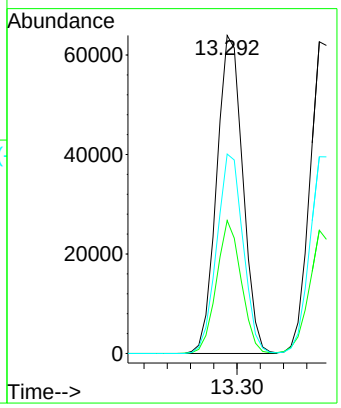




#87
1,3-Dichlorobenzene
Concen: 50.056 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:146 Resp: 99861

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	63.3	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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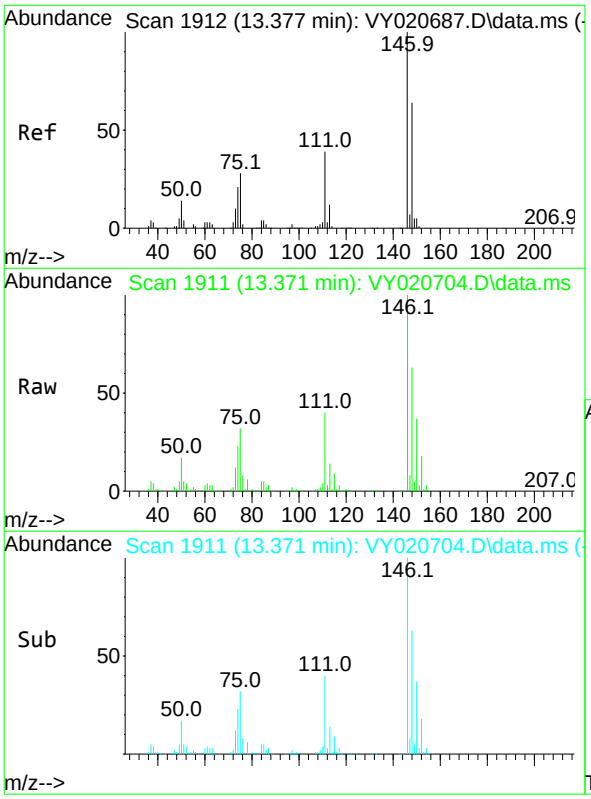
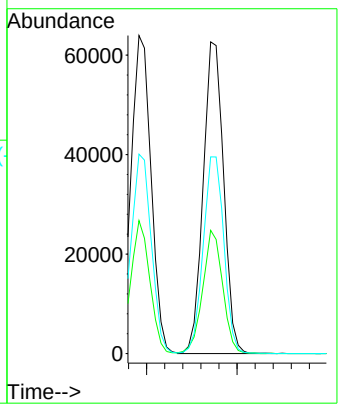
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

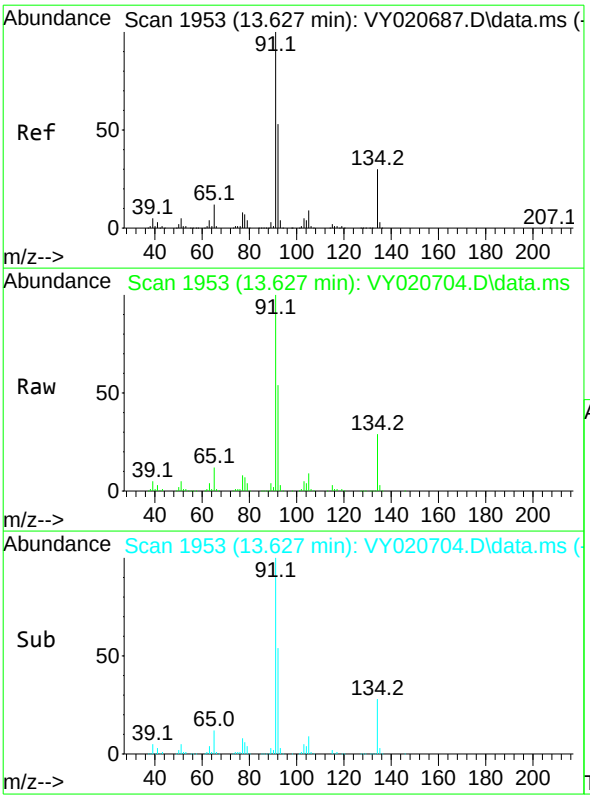


#88
1,4-Dichlorobenzene
Concen: 50.384 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:146 Resp: 98479

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	63.9	32.8	98.3

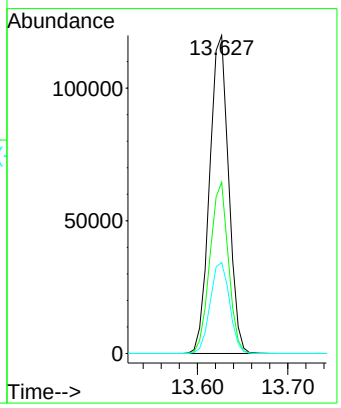




#89
n-Butylbenzene
Concen: 50.680 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 174927

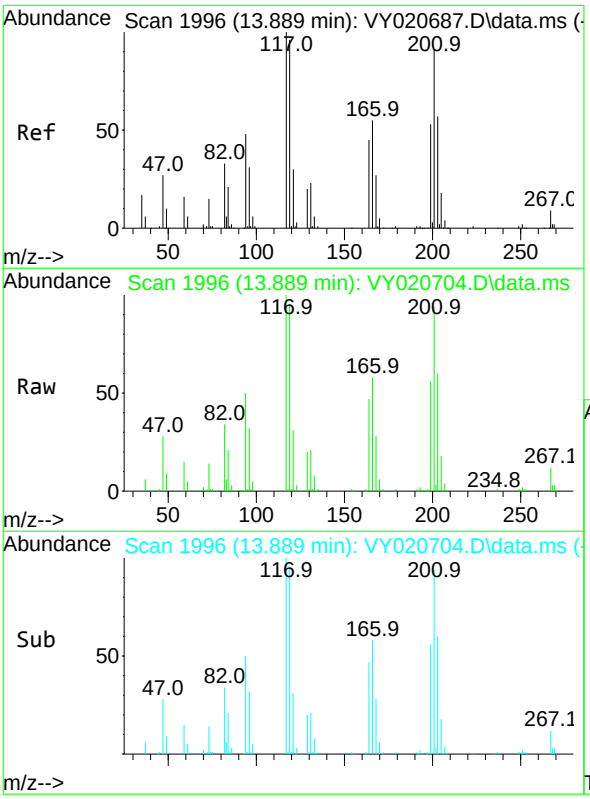
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	29.2	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

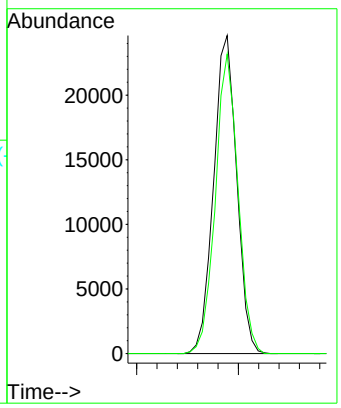
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

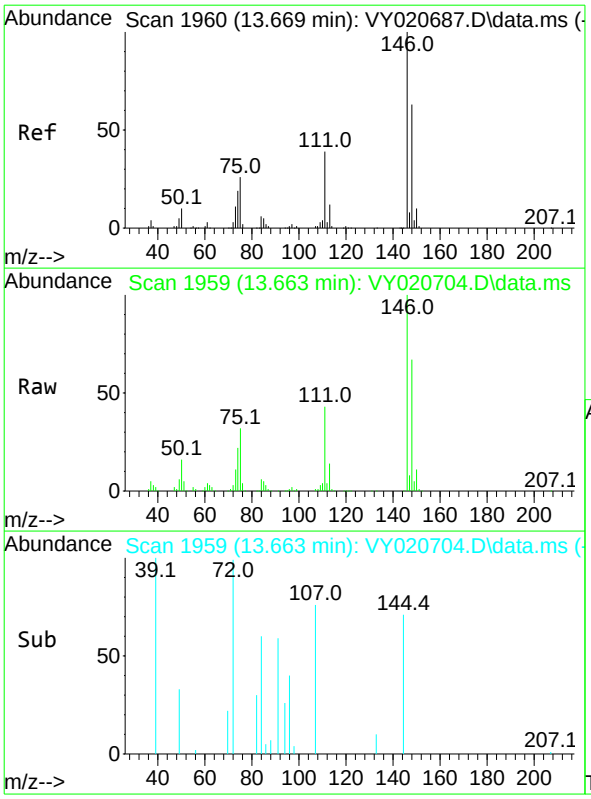


#90
Hexachloroethane
Concen: 49.920 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:117 Resp: 38801

Ion	Ratio	Lower	Upper
117	100		
201	92.1	44.9	134.7

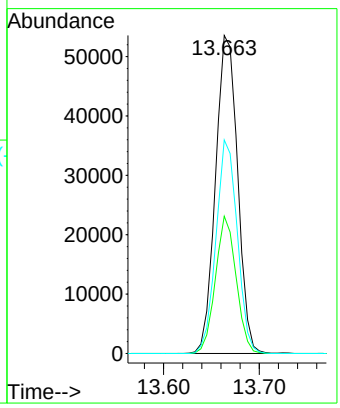




#91
1,2-Dichlorobenzene
Concen: 50.182 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:146 Resp: 85918

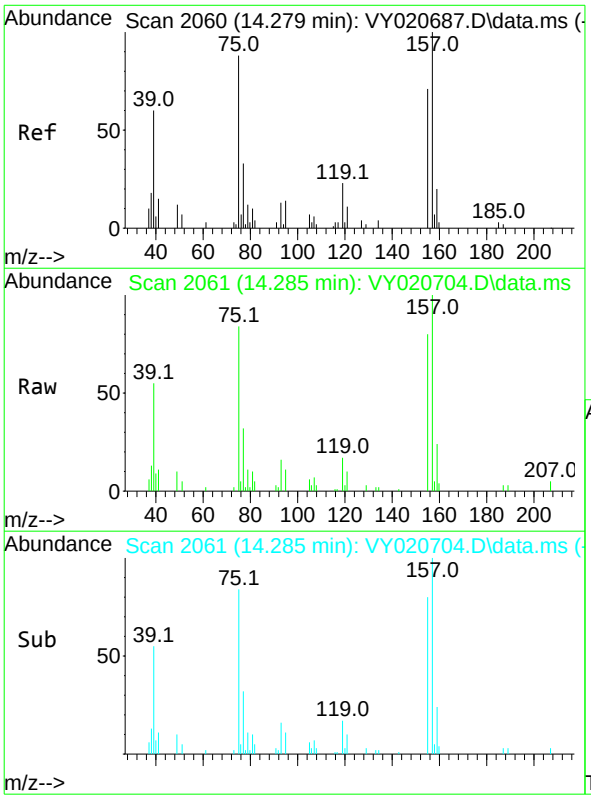
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.7	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

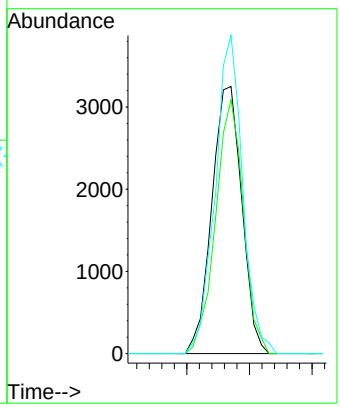
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

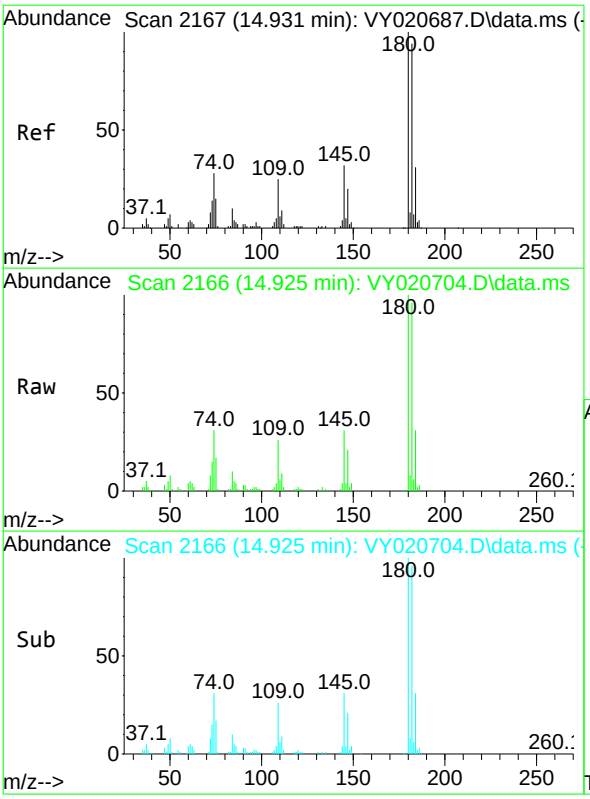


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.822 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 5399

Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.4	130.2
157	109.1	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 55.478 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

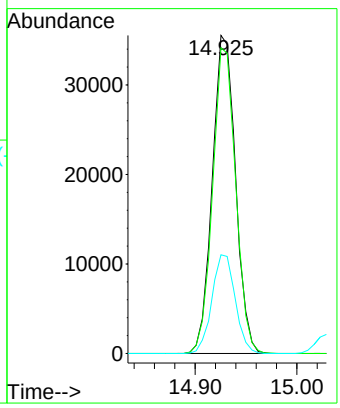
Tgt Ion:180 Resp: 56391

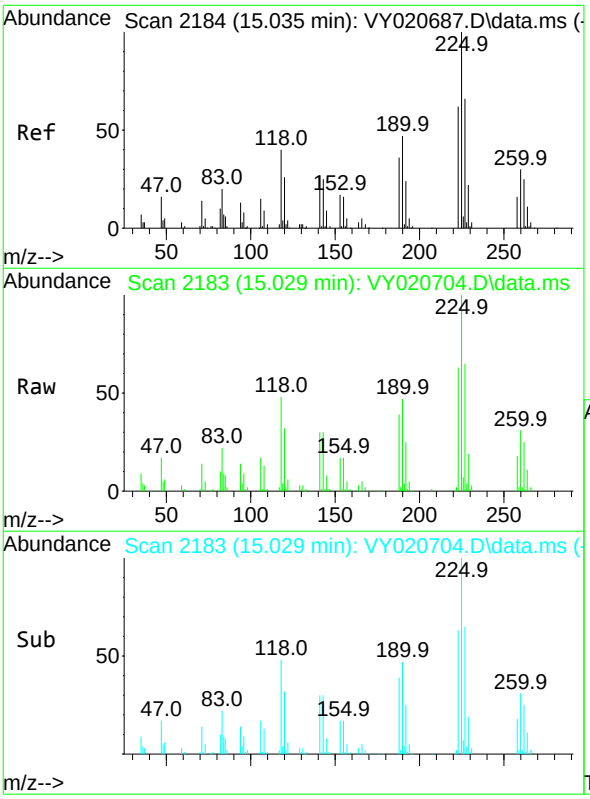
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	31.1	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

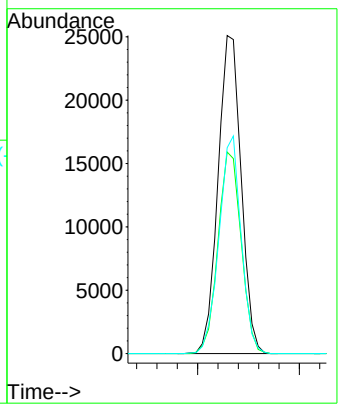


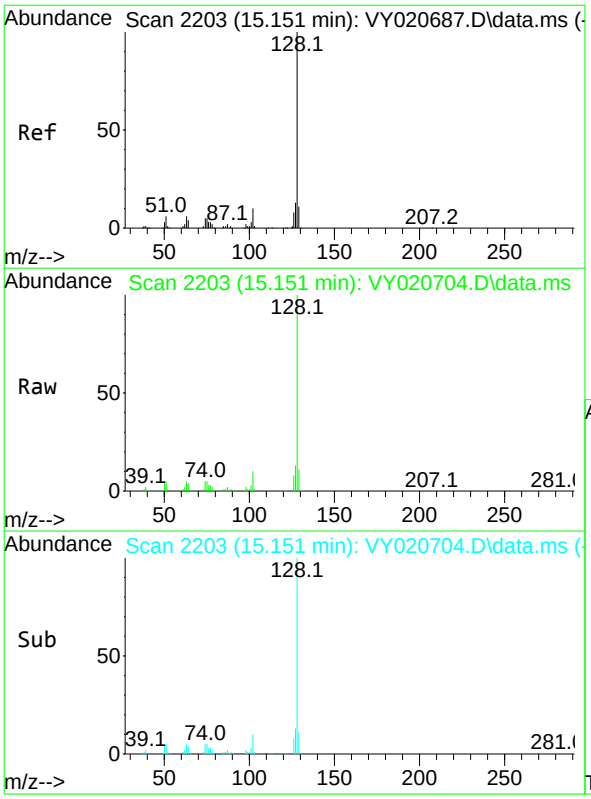


#94
Hexachlorobutadiene
Concen: 52.330 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:225 Resp: 39605

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	65.4	32.1	96.5

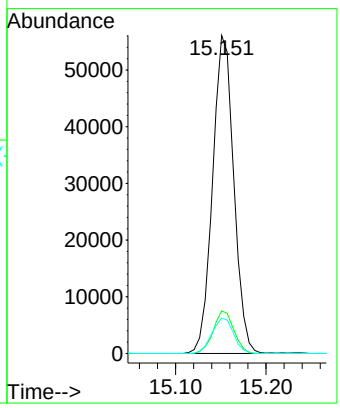




#95
Naphthalene
Concen: 48.620 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:128 Resp: 91326

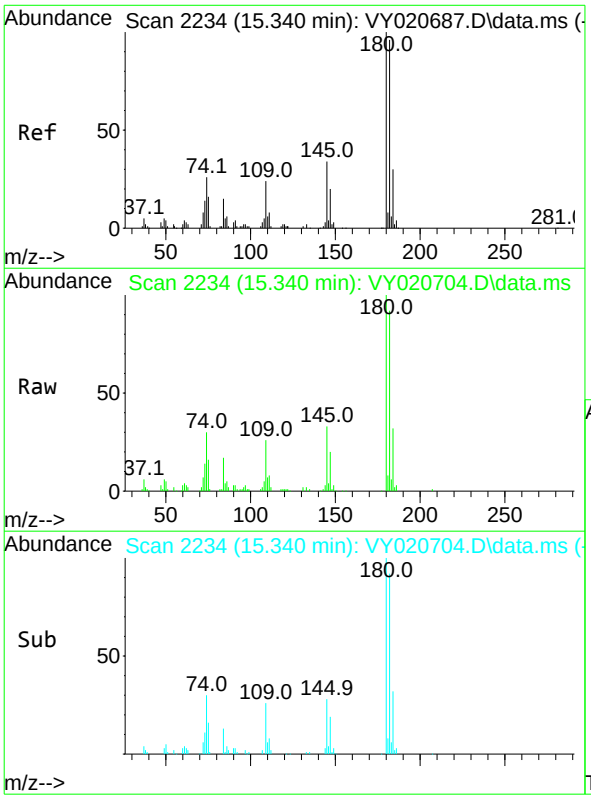
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.3	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

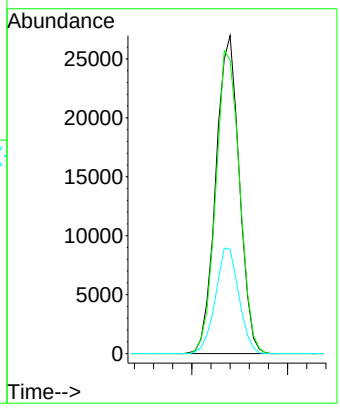
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 53.910 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:180 Resp: 45813

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.2
145	33.3	16.7	50.1



Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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	102	0.00
2	T	Dichlorodifluoromethane	0.385	0.378	1.8	91	0.00
3	P	Chloromethane	0.157	0.153	2.5	89	0.00
4	C	Vinyl Chloride	0.191	0.173	9.4#	84	0.00
5	T	Bromomethane	0.135	0.133	1.5	91	0.00
6	T	Chloroethane	0.116	0.111	4.3	89	0.00
7	T	Trichlorofluoromethane	0.688	0.683	0.7	92	0.00
8	T	Diethyl Ether	0.165	0.169	-2.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.376	0.363	3.5	90	0.00
10	T	Methyl Iodide	0.433	0.443	-2.3	90	0.00
11	T	Tert butyl alcohol	0.035	0.024	31.4#	78	0.00
12	CM	1,1-Dichloroethene	0.333	0.335	-0.6#	93	-0.01
13	T	Acrolein	0.009	0.006	33.3#	73	0.00
14	T	Allyl chloride	0.391	0.403	-3.1	96	-0.01
15	T	Acrylonitrile	0.061	0.062	-1.6	85	0.00
16	T	Acetone	0.051	0.045	11.8	80	0.00
17	T	Carbon Disulfide	0.831	0.864	-4.0	90	-0.01
18	T	Methyl Acetate	0.131	0.137	-4.6	83	0.00
19	T	Methyl tert-butyl Ether	0.907	0.938	-3.4	92	0.00
20	T	Methylene Chloride	0.337	0.342	-1.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.360	0.369	-2.5	94	0.00
22	T	Diisopropyl ether	0.799	0.827	-3.5	94	0.00
23	T	Vinyl Acetate	0.473	0.482	-1.9	88	0.00
24	P	1,1-Dichloroethane	0.596	0.620	-4.0	95	0.00
25	T	2-Butanone	0.071	0.069	2.8	83	0.00
26	T	2,2-Dichloropropane	0.746	0.720	3.5	92	0.00
27	T	cis-1,2-Dichloroethene	0.428	0.441	-3.0	96	0.00
28	T	Bromochloromethane	0.153	0.186	-21.6	104	0.00
29	T	Tetrahydrofuran	0.042	0.042	0.0	81	0.00
30	C	Chloroform	0.783	0.783	0.0	95	0.00
31	T	Cyclohexane	0.523	0.484	7.5	93	0.00
32	T	1,1,1-Trichloroethane	0.818	0.825	-0.9	94	0.00
33	S	1,2-Dichloroethane-d4	0.443	0.456	-2.9	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.294	0.290	1.4	92	0.00
36	T	1,1-Dichloropropene	0.357	0.359	-0.6	93	0.00
37	T	Ethyl Acetate	0.121	0.119	1.7	85	0.00
38	T	Carbon Tetrachloride	0.577	0.584	-1.2	93	0.00
39	T	Methylcyclohexane	0.454	0.463	-2.0	94	0.00
40	TM	Benzene	1.029	1.069	-3.9	96	0.00
41	T	Methacrylonitrile	0.066	0.063	4.5	80	0.00
42	TM	1,2-Dichloroethane	0.327	0.338	-3.4	92	0.00
43	T	Isopropyl Acetate	0.242	0.251	-3.7	86	0.00
44	TM	Trichloroethene	0.306	0.306	0.0	94	0.00
45	C	1,2-Dichloropropane	0.202	0.208	-3.0#	94	0.00
46	T	Dibromomethane	0.140	0.150	-7.1	96	0.00
47	T	Bromodichloromethane	0.396	0.410	-3.5	93	0.00
48	T	Methyl methacrylate	0.115	0.114	0.9	86	0.00

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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#	85	0.00
50	S	Toluene-d8	1.066	1.125	-5.5	94	0.00
51	T	4-Methyl-2-Pentanone	0.121	0.121	0.0	85	0.00
52	CM	Toluene	0.701	0.736	-5.0#	97	0.00
53	T	t-1,3-Dichloropropene	0.351	0.365	-4.0	93	0.00
54	T	cis-1,3-Dichloropropene	0.386	0.400	-3.6	92	0.00
55	T	1,1,2-Trichloroethane	0.181	0.187	-3.3	91	0.00
56	T	Ethyl methacrylate	0.231	0.247	-6.9	90	0.00
57	T	1,3-Dichloropropane	0.296	0.310	-4.7	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.097	-12.8	100	0.00
59	T	2-Hexanone	0.077	0.081	-5.2	85	0.00
60	T	Dibromochloromethane	0.289	0.308	-6.6	96	0.00
61	T	1,2-Dibromoethane	0.170	0.174	-2.4	89	0.00
62	S	4-Bromofluorobenzene	0.388	0.387	0.3	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.332	0.336	-1.2	97	0.00
65	PM	Chlorobenzene	0.934	0.961	-2.9	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.374	-2.5	98	0.00
67	C	Ethyl Benzene	1.676	1.695	-1.1#	96	0.00
68	T	m/p-Xylenes	0.639	0.651	-1.9	96	0.00
69	T	o-Xylene	0.600	0.622	-3.7	96	0.00
70	T	Styrene	1.010	1.058	-4.8	98	0.00
71	P	Bromoform	0.209	0.212	-1.4	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.401	3.306	2.8	97	0.00
74	T	N-amyl acetate	0.478	0.480	-0.4	88	0.00
75	P	1,1,2,2-Tetrachloroethane	0.438	0.415	5.3	90	0.00
76	T	1,2,3-Trichloropropane	0.345	0.321	7.0	99	0.00
77	T	Bromobenzene	0.774	0.771	0.4	97	0.00
78	T	n-propylbenzene	3.834	3.736	2.6	97	0.00
79	T	2-Chlorotoluene	2.183	2.135	2.2	97	0.00
80	T	1,3,5-Trimethylbenzene	2.821	2.812	0.3	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.159	0.158	0.6	87	0.00
82	T	4-Chlorotoluene	2.226	2.215	0.5	99	0.00
83	T	tert-Butylbenzene	2.625	2.577	1.8	98	0.00
84	T	1,2,4-Trimethylbenzene	2.756	2.736	0.7	97	0.00
85	T	sec-Butylbenzene	3.534	3.496	1.1	99	0.00
86	T	p-Isopropyltoluene	3.090	3.122	-1.0	100	0.00
87	T	1,3-Dichlorobenzene	1.504	1.506	-0.1	97	0.00
88	T	1,4-Dichlorobenzene	1.474	1.485	-0.7	100	0.00
89	T	n-Butylbenzene	2.603	2.638	-1.3	101	0.00
90	T	Hexachloroethane	0.586	0.585	0.2	99	0.00
91	T	1,2-Dichlorobenzene	1.291	1.296	-0.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.083	0.081	2.4	92	0.00
93	T	1,2,4-Trichlorobenzene	0.767	0.851	-11.0	104	0.00
94	T	Hexachlorobutadiene	0.571	0.597	-4.6	102	0.00
95	T	Naphthalene	1.239	1.377	-11.1	97	0.00

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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	0.641	0.691	-7.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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	102	0.00
2	T	Dichlorodifluoromethane	50.000	49.053	1.9	91	0.00
3	P	Chloromethane	50.000	48.704	2.6	89	0.00
4	C	Vinyl Chloride	50.000	45.236	9.5#	84	0.00
5	T	Bromomethane	50.000	49.313	1.4	91	0.00
6	T	Chloroethane	50.000	47.545	4.9	89	0.00
7	T	Trichlorofluoromethane	50.000	49.661	0.7	92	0.00
8	T	Diethyl Ether	50.000	51.181	-2.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.241	3.5	90	0.00
10	T	Methyl Iodide	50.000	51.122	-2.2	90	0.00
11	T	Tert butyl alcohol	250.000	171.272	31.5#	78	0.00
12	CM	1,1-Dichloroethene	50.000	50.296	-0.6#	93	-0.01
13	T	Acrolein	250.000	175.643	29.7#	73	0.00
14	T	Allyl chloride	50.000	51.470	-2.9	96	-0.01
15	T	Acrylonitrile	250.000	257.052	-2.8	85	0.00
16	T	Acetone	250.000	224.651	10.1	80	0.00
17	T	Carbon Disulfide	50.000	51.983	-4.0	90	-0.01
18	T	Methyl Acetate	50.000	52.218	-4.4	83	0.00
19	T	Methyl tert-butyl Ether	50.000	51.682	-3.4	92	0.00
20	T	Methylene Chloride	50.000	50.754	-1.5	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.276	-2.6	94	0.00
22	T	Diisopropyl ether	50.000	51.724	-3.4	94	0.00
23	T	Vinyl Acetate	250.000	254.770	-1.9	88	0.00
24	P	1,1-Dichloroethane	50.000	52.032	-4.1	95	0.00
25	T	2-Butanone	250.000	242.527	3.0	83	0.00
26	T	2,2-Dichloropropane	50.000	48.269	3.5	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.493	-3.0	96	0.00
28	T	Bromochloromethane	50.000	52.179	-4.4	104	0.00
29	T	Tetrahydrofuran	250.000	254.369	-1.7	81	0.00
30	C	Chloroform	50.000	49.994	0.0#	95	0.00
31	T	Cyclohexane	50.000	46.337	7.3	93	0.00
32	T	1,1,1-Trichloroethane	50.000	50.435	-0.9	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.467	-2.9	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	49.352	1.3	92	0.00
36	T	1,1-Dichloropropene	50.000	50.333	-0.7	93	0.00
37	T	Ethyl Acetate	50.000	48.851	2.3	85	0.00
38	T	Carbon Tetrachloride	50.000	50.550	-1.1	93	0.00
39	T	Methylcyclohexane	50.000	50.989	-2.0	94	0.00
40	TM	Benzene	50.000	51.901	-3.8	96	0.00
41	T	Methacrylonitrile	50.000	47.528	4.9	80	0.00
42	TM	1,2-Dichloroethane	50.000	51.679	-3.4	92	0.00
43	T	Isopropyl Acetate	50.000	51.839	-3.7	86	0.00
44	TM	Trichloroethene	50.000	50.106	-0.2	94	0.00
45	C	1,2-Dichloropropane	50.000	51.529	-3.1#	94	0.00
46	T	Dibromomethane	50.000	53.670	-7.3	96	0.00
47	T	Bromodichloromethane	50.000	51.794	-3.6	93	0.00
48	T	Methyl methacrylate	50.000	49.594	0.8	86	0.00

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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	1155.007	-15.5	85	0.00
50	S	Toluene-d8	50.000	52.766	-5.5	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	250.023	-0.0	85	0.00
52	CM	Toluene	50.000	52.497	-5.0#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	52.109	-4.2	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.816	-3.6	92	0.00
55	T	1,1,2-Trichloroethane	50.000	51.580	-3.2	91	0.00
56	T	Ethyl methacrylate	50.000	53.588	-7.2	90	0.00
57	T	1,3-Dichloropropane	50.000	52.518	-5.0	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.507	-12.6	100	0.00
59	T	2-Hexanone	250.000	264.044	-5.6	85	0.00
60	T	Dibromochloromethane	50.000	53.267	-6.5	96	0.00
61	T	1,2-Dibromoethane	50.000	51.212	-2.4	89	0.00
62	S	4-Bromofluorobenzene	50.000	49.910	0.2	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	50.635	-1.3	97	0.00
65	PM	Chlorobenzene	50.000	51.417	-2.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.228	-2.5	98	0.00
67	C	Ethyl Benzene	50.000	50.554	-1.1#	96	0.00
68	T	m/p-Xylenes	100.000	101.778	-1.8	96	0.00
69	T	o-Xylene	50.000	51.751	-3.5	96	0.00
70	T	Styrene	50.000	52.384	-4.8	98	0.00
71	P	Bromoform	50.000	50.753	-1.5	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	48.610	2.8	97	0.00
74	T	N-amyl acetate	50.000	50.222	-0.4	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.365	5.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	46.599	6.8	99	0.00
77	T	Bromobenzene	50.000	49.756	0.5	97	0.00
78	T	n-propylbenzene	50.000	48.719	2.6	97	0.00
79	T	2-Chlorotoluene	50.000	48.911	2.2	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.839	0.3	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.690	0.6	87	0.00
82	T	4-Chlorotoluene	50.000	49.759	0.5	99	0.00
83	T	tert-Butylbenzene	50.000	49.098	1.8	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.644	0.7	97	0.00
85	T	sec-Butylbenzene	50.000	49.454	1.1	99	0.00
86	T	p-Isopropyltoluene	50.000	50.523	-1.0	100	0.00
87	T	1,3-Dichlorobenzene	50.000	50.056	-0.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.384	-0.8	100	0.00
89	T	n-Butylbenzene	50.000	50.680	-1.4	101	0.00
90	T	Hexachloroethane	50.000	49.920	0.2	99	0.00
91	T	1,2-Dichlorobenzene	50.000	50.182	-0.4	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.822	2.4	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.478	-11.0	104	0.00
94	T	Hexachlorobutadiene	50.000	52.330	-4.7	102	0.00
95	T	Naphthalene	50.000	48.620	2.8	97	0.00

Sample Results: **VY020704.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 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	53.910	-7.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

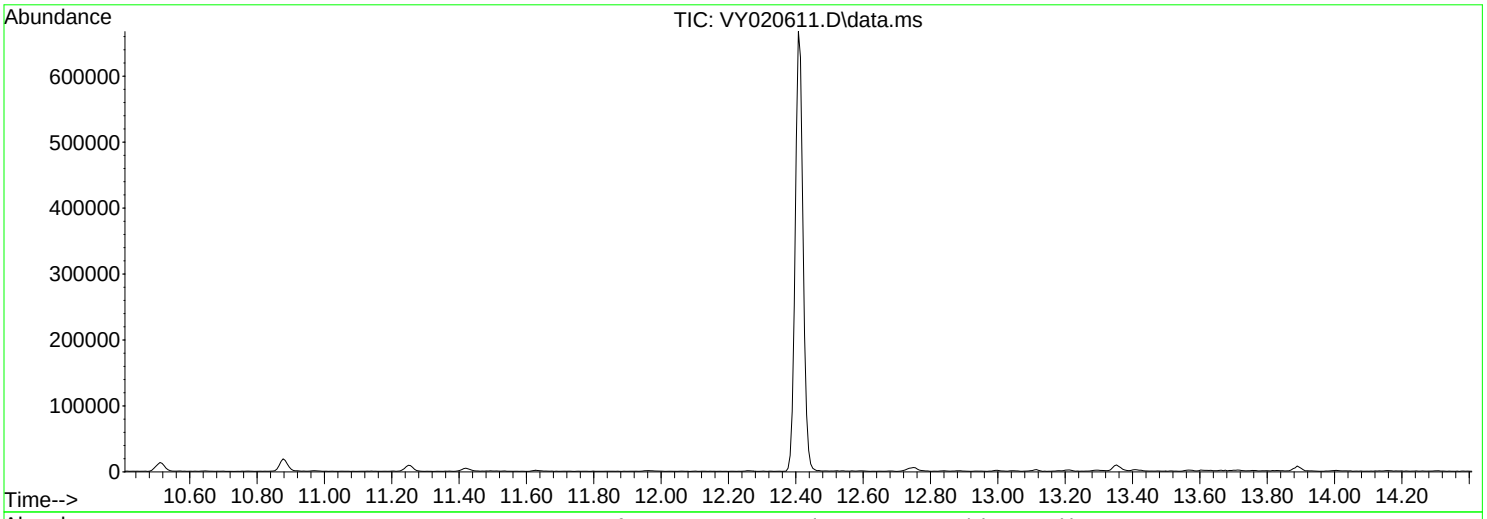
Sample Results: **VY020611.D**

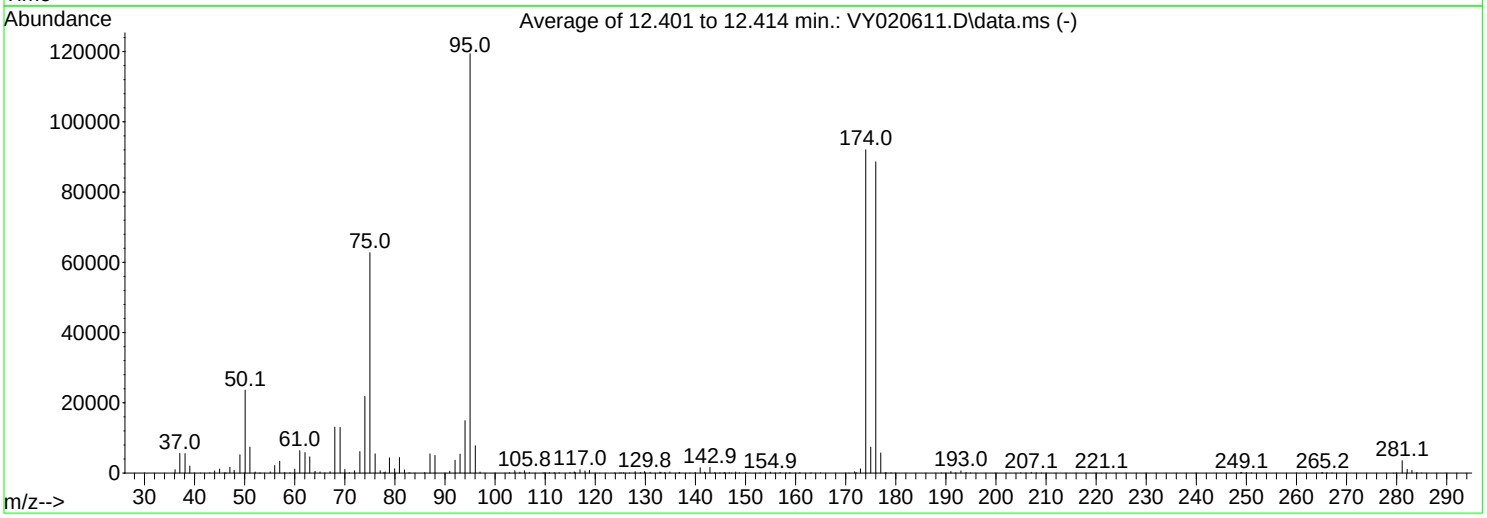
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020611.D
Acq On : 17 Dec 2024 09:00
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

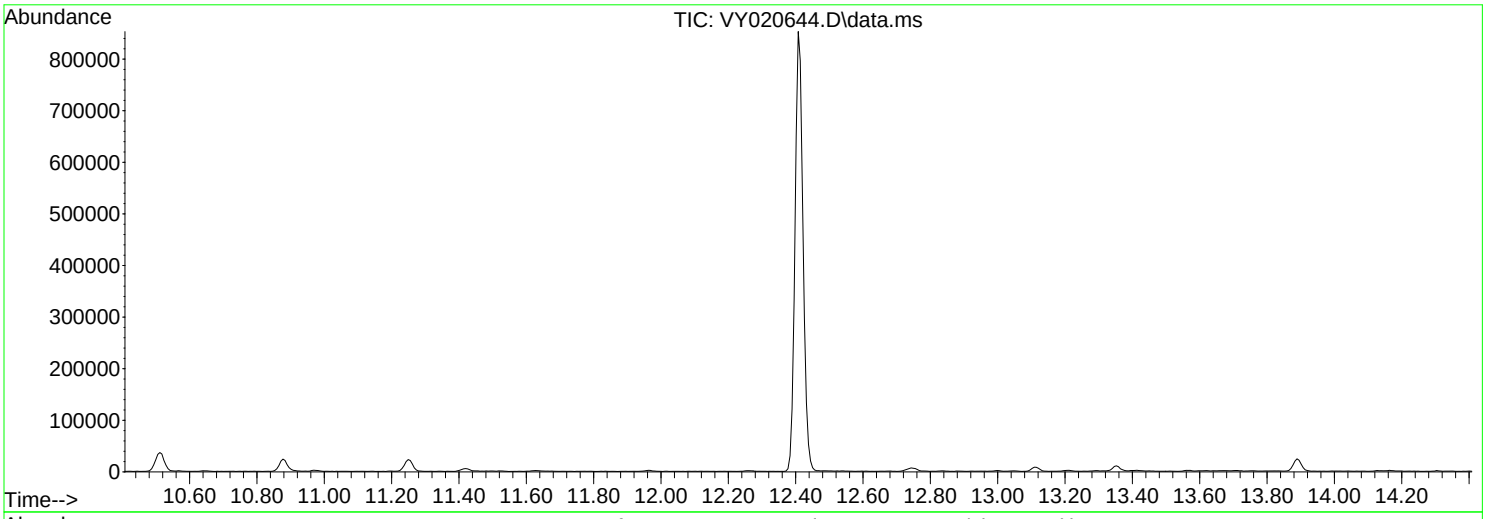
Sample Results: **VY020644.D**

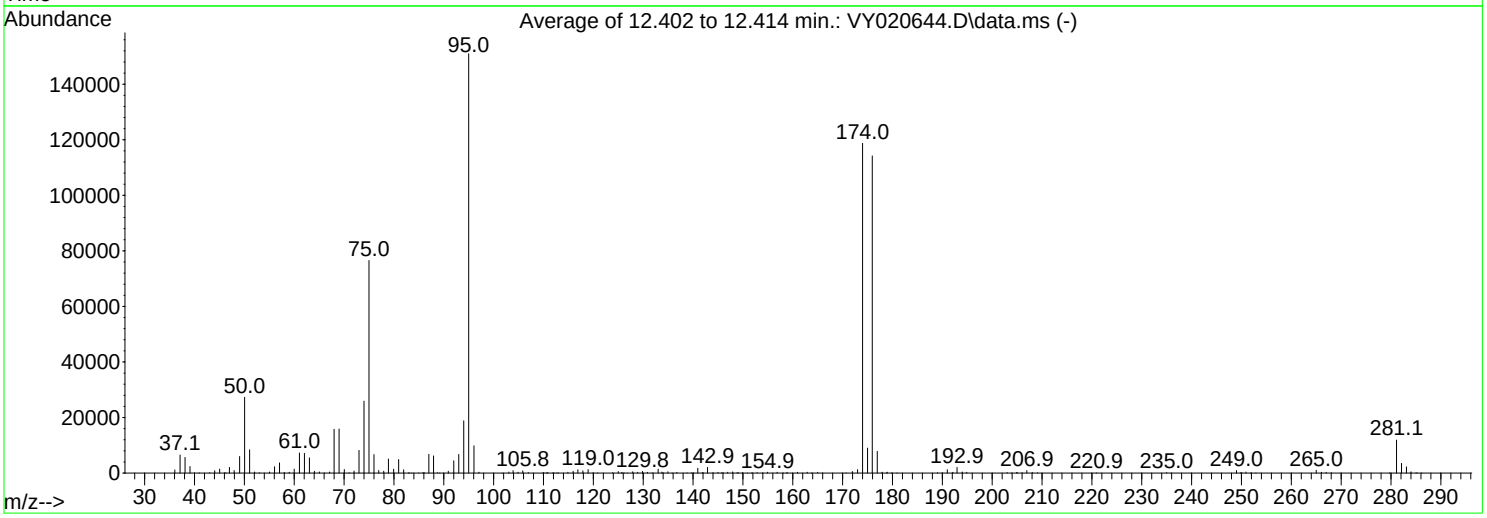
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020644.D
Acq On : 19 Dec 2024 09:13
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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	18.1	27309	PASS
75	95	30	60	50.7	76547	PASS
95	95	100	100	100.0	150976	PASS
96	95	5	9	6.5	9845	PASS
173	174	0.00	2	1.1	1249	PASS
174	95	50	100	78.7	118747	PASS
175	174	5	9	7.6	8988	PASS
176	174	95	101	96.2	114192	PASS
177	176	5	9	6.9	7838	PASS

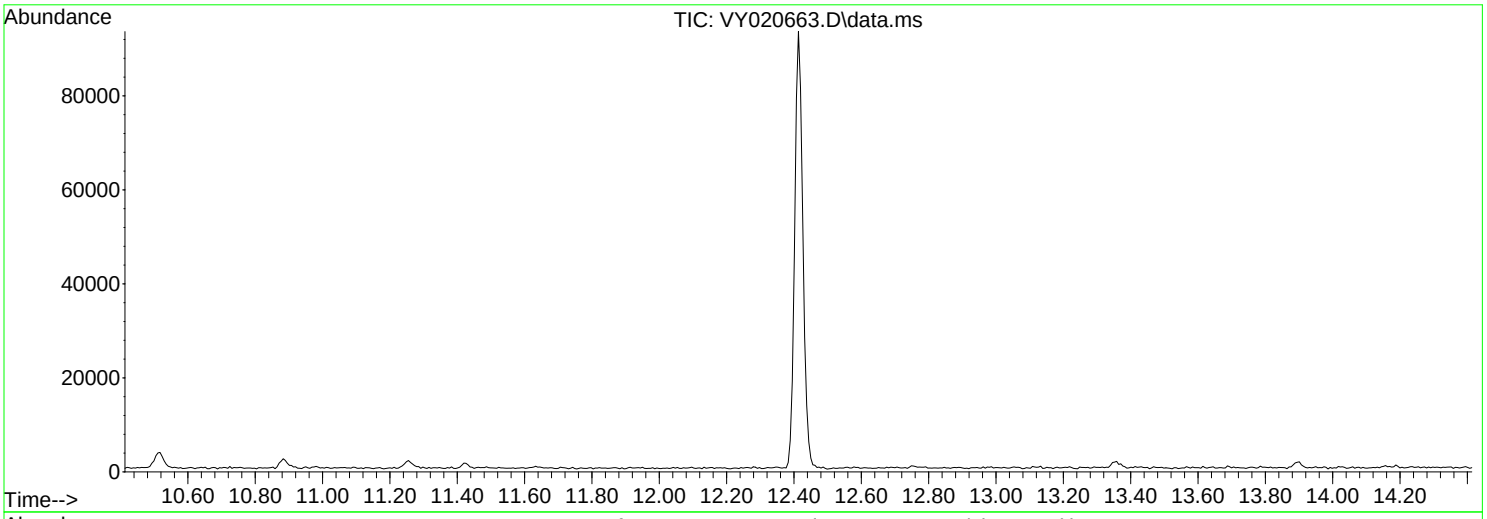
Sample Results: **VY020663.D**

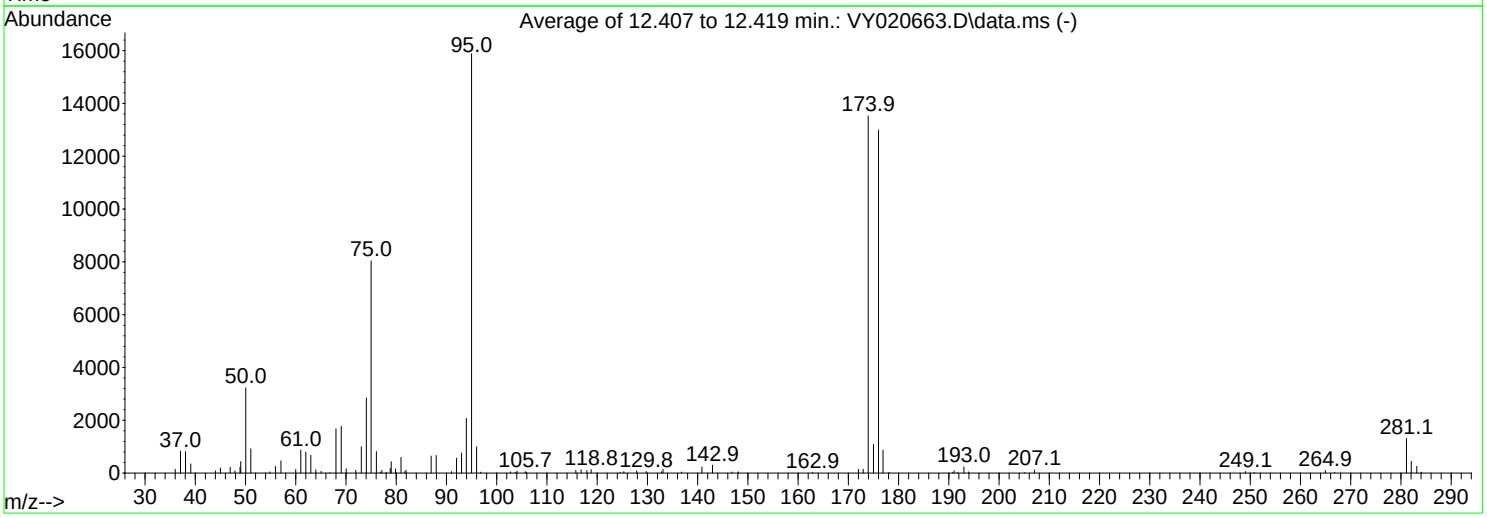
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020663.D
Acq On : 20 Dec 2024 08:37
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

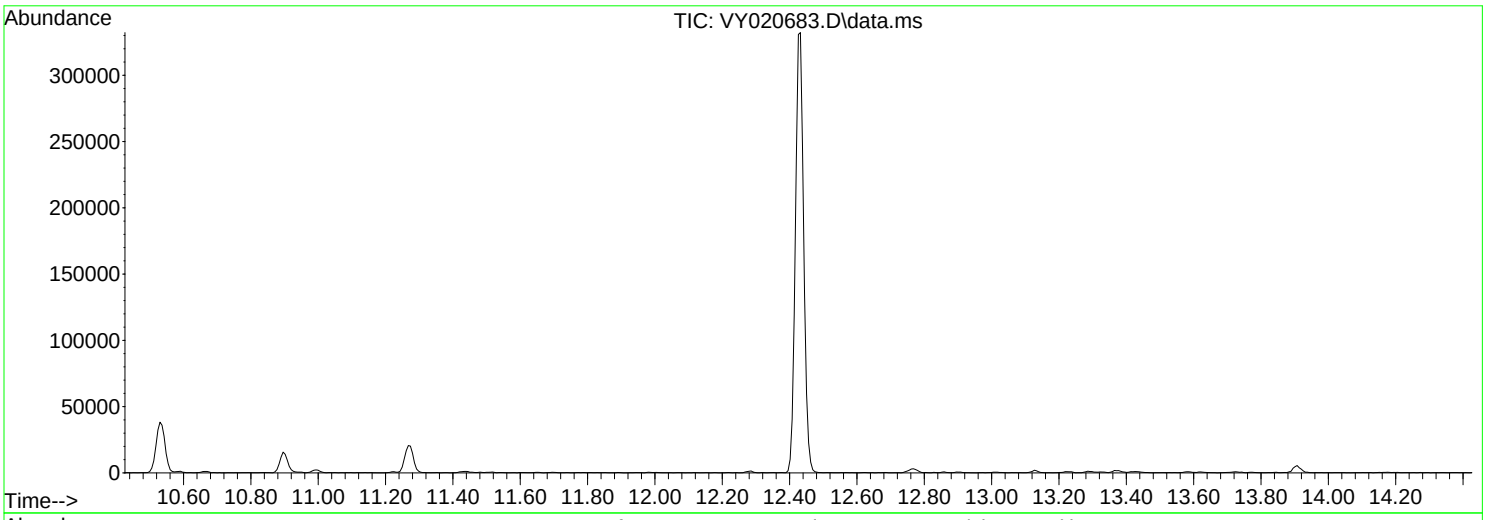
Sample Results: **VY020683.D**

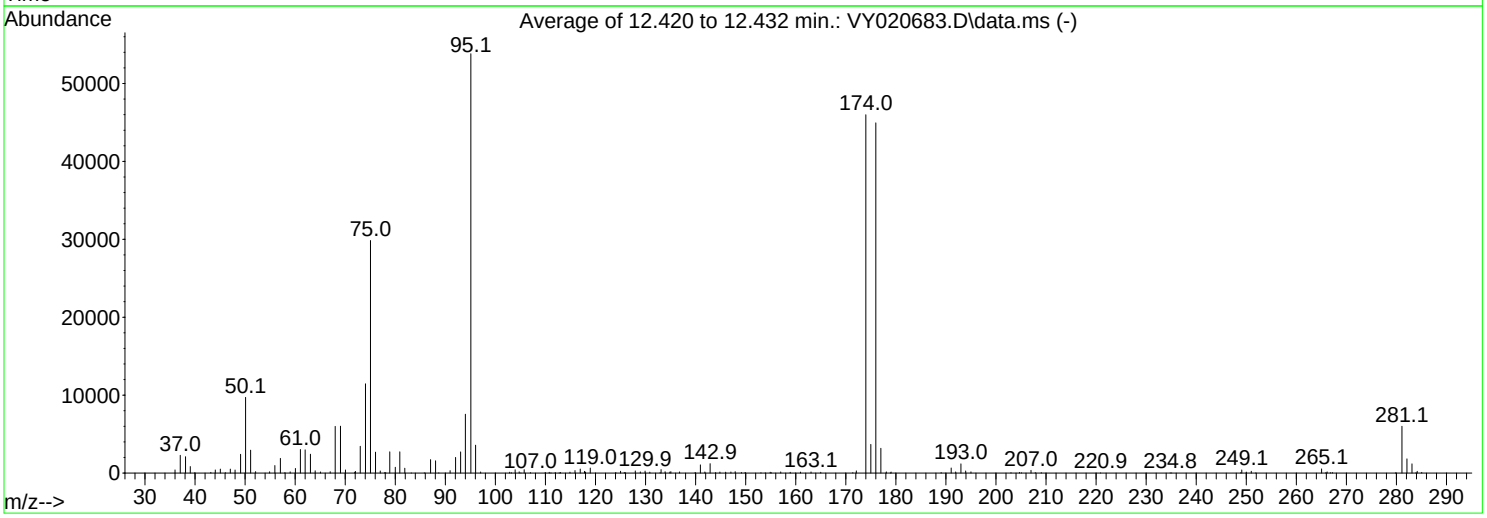
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020683.D
Acq On : 23 Dec 2024 08:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Title : SW846 8260
Last Update : Wed Dec 25 00:58:45 2024





AutoFind: Scans 1755, 1756, 1757; Background Corrected with Scan 1748

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	9719	PASS
75	95	30	60	55.5	29848	PASS
95	95	100	100	100.0	53819	PASS
96	95	5	9	6.7	3579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.5	45989	PASS
175	174	5	9	8.0	3681	PASS
176	174	95	101	97.7	44944	PASS
177	176	5	9	7.1	3183	PASS

Raw Data: **VY020646.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBL01	SDG No.:	P5306
Lab Sample ID:	VY1219SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020646.D	1		12/19/24 11:07	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020646.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBL01	SDG No.:	P5306
Lab Sample ID:	VY1219SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020646.D	1		12/19/24 11:07	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020646.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBL01	SDG No.:	P5306
Lab Sample ID:	VY1219SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020646.D	1		12/19/24 11:07	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.5		71 - 136		89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		78 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	43.8		85 - 116		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		79 - 119		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	204000	7.707				
540-36-3	1,4-Difluorobenzene	319000	8.616				
3114-55-4	Chlorobenzene-d5	271000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	145000	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\VY121924\
Data File : VY020646.D
Acq On : 19 Dec 2024 11:07
Operator : SY/MD
Sample : VY1219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Quant Time: Dec 20 00:46:29 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	7.707	168	204045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	271132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	145317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99418	44.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.634	113	102958	45.802	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.600%		
50) Toluene-d8	10.109	98	344522	43.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.580%		
62) 4-Bromofluorobenzene	12.408	95	124147	40.337	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.680%		
Target Compounds						Qvalue

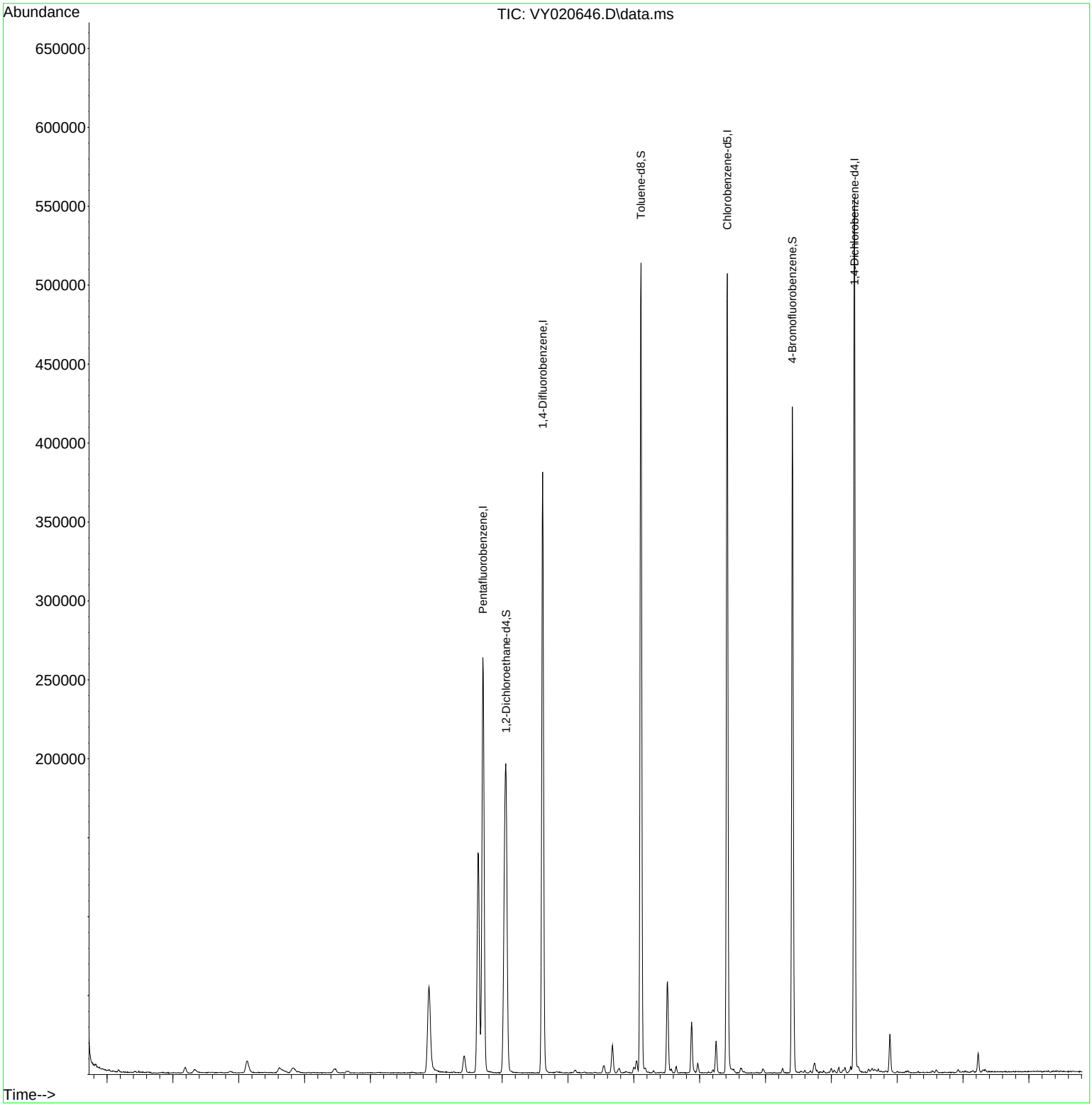
(#) = qualifier out of range (m) = manual integration (+) = signals summed

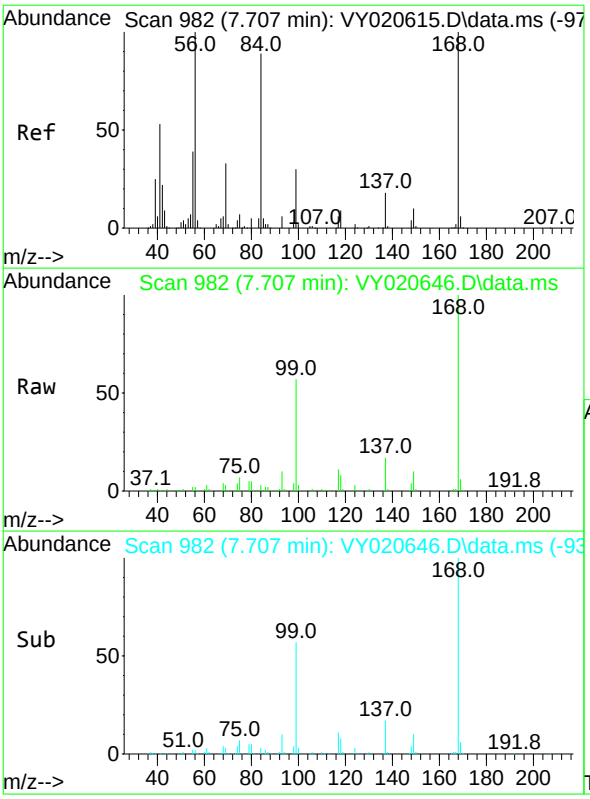
Sample Results: **VY020646.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020646.D
Acq On : 19 Dec 2024 11:07
Operator : SY/MD
Sample : VY1219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Quant Time: Dec 20 00:46:29 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



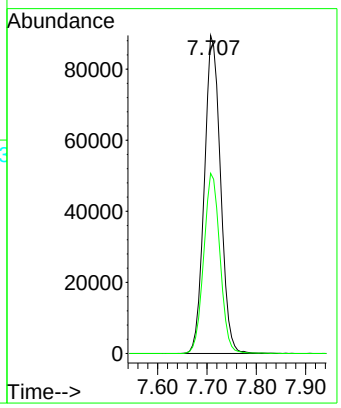


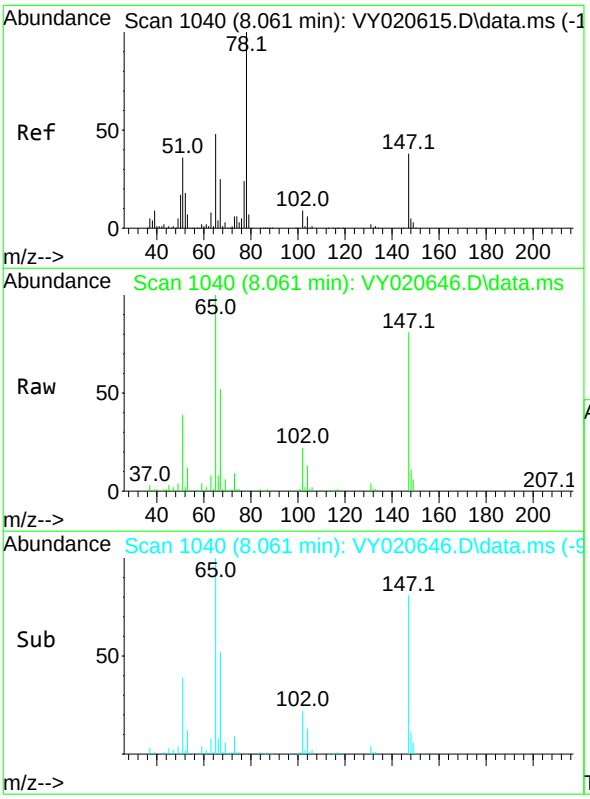
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Tgt Ion:168 Resp: 204045

Ion	Ratio	Lower	Upper
168	100		
99	56.6	47.0	70.6

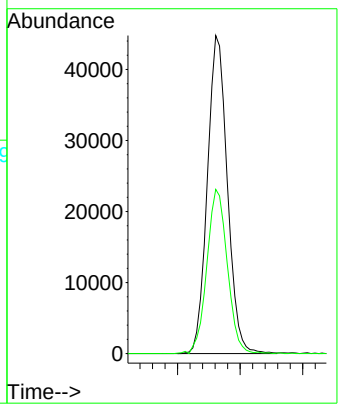


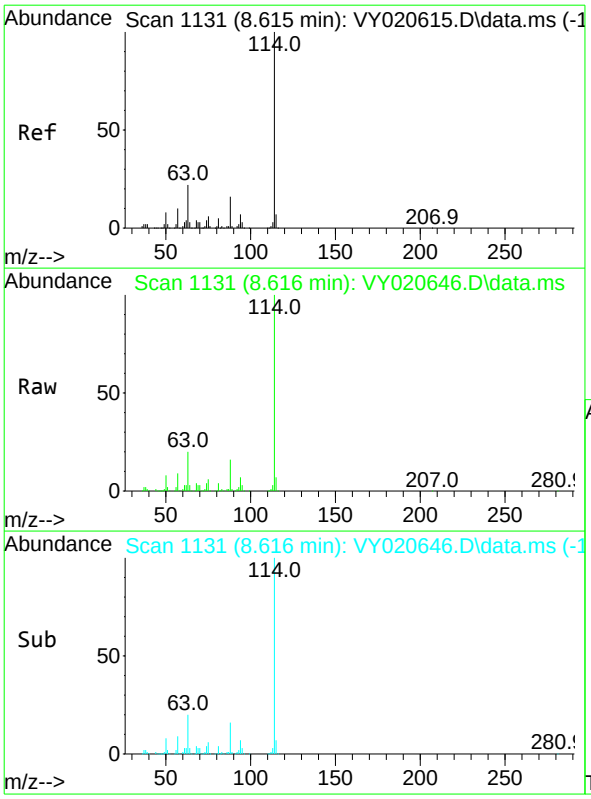


#33
1,2-Dichloroethane-d4
Concen: 44.488 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Tgt Ion: 65 Resp: 99418

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	108.0



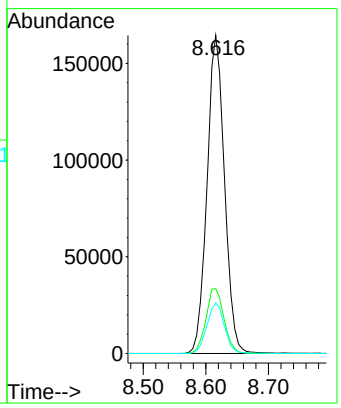


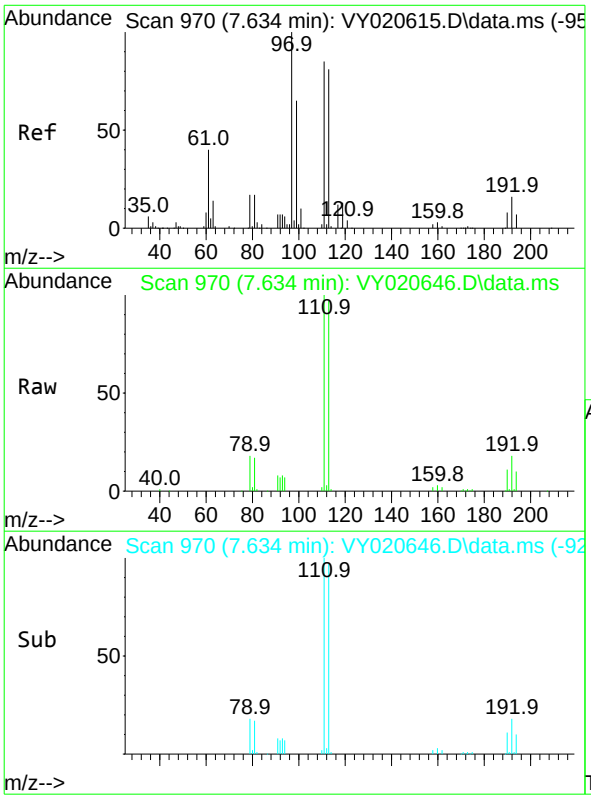
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Tgt Ion:114 Resp: 318952

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	44.0
88	15.9	0.0	32.8

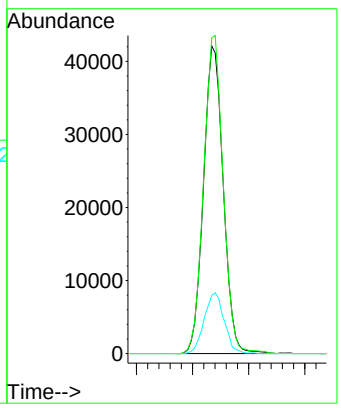


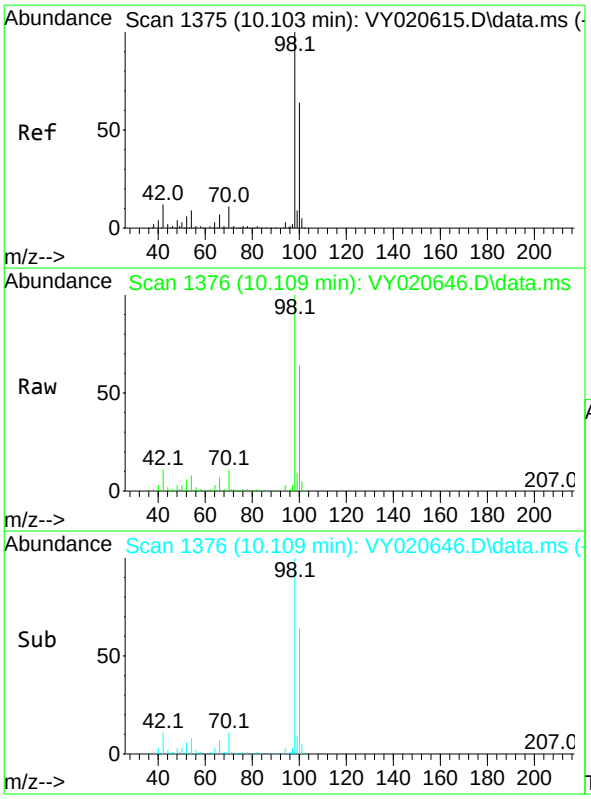


#35
Dibromofluoromethane
Concen: 45.802 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Tgt Ion:113 Resp: 102958

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	20.0	15.7	23.5



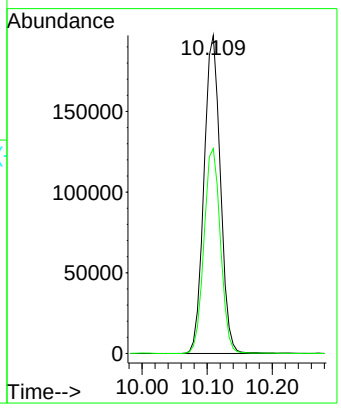


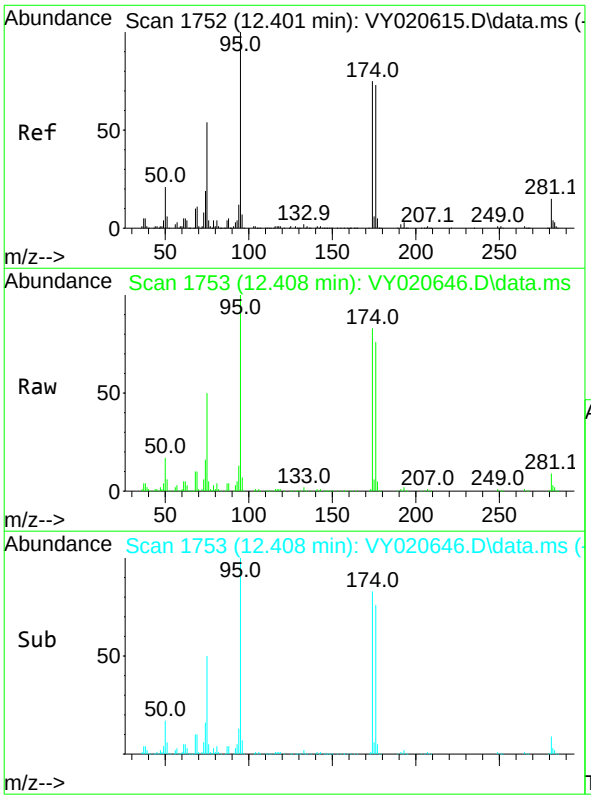
#50
Toluene-d8
Concen: 43.788 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Tgt Ion: 98 Resp: 344522

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

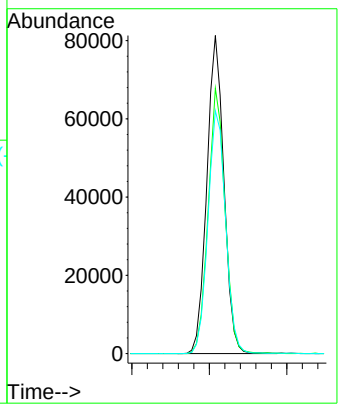


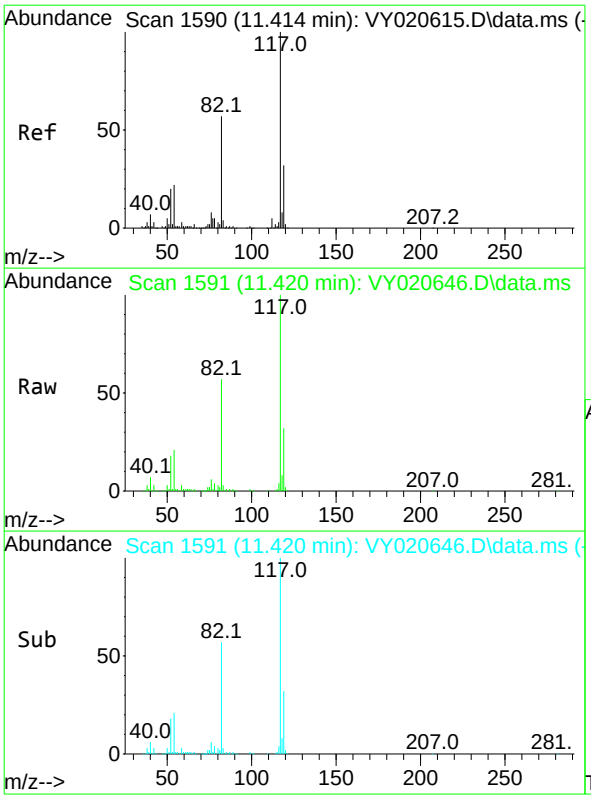


#62
4-Bromofluorobenzene
Concen: 40.337 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Tgt Ion: 95 Resp: 124147

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	161.8
176	79.1	0.0	156.6



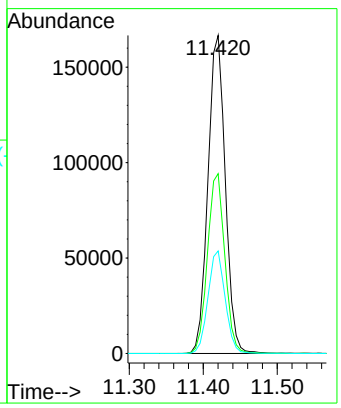


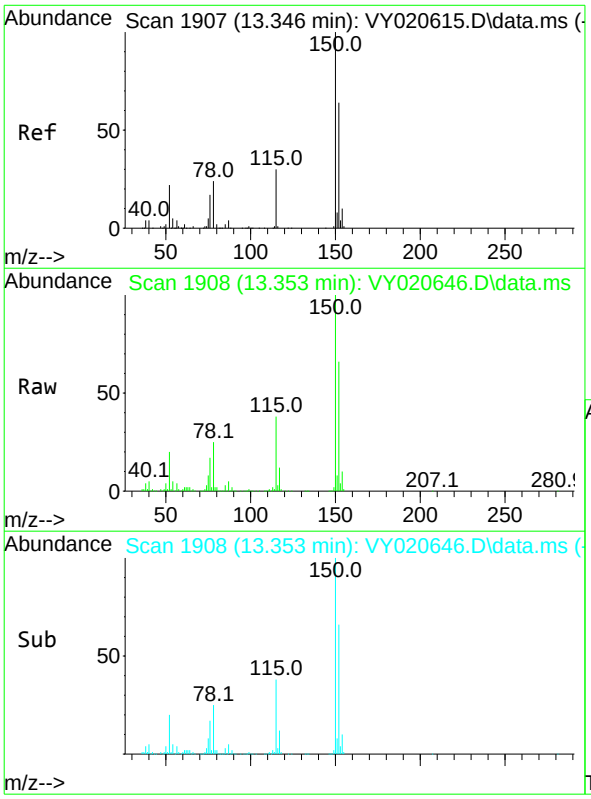
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Tgt Ion:117 Resp: 271132

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.6
119	32.2	25.3	37.9

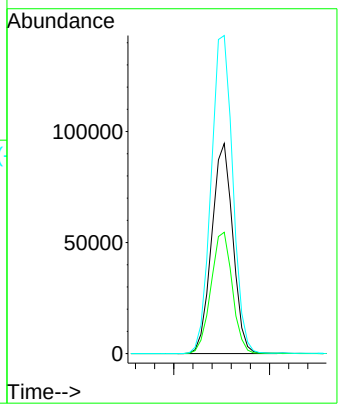




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020646.D
Acq: 19 Dec 2024 11:07

Tgt Ion:152 Resp: 145317

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.2	90.6
150	155.2	0.0	355.4



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:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBL01	SDG No.:	P5306
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 Group3
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							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0044	0.013	0.025	mg/Kg

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:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBL01	SDG No.:	P5306
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 Group3
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)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020665.D**

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBL01	SDG No.:	P5306
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 Group3
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)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		71 - 136		98%	SPK: 50
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

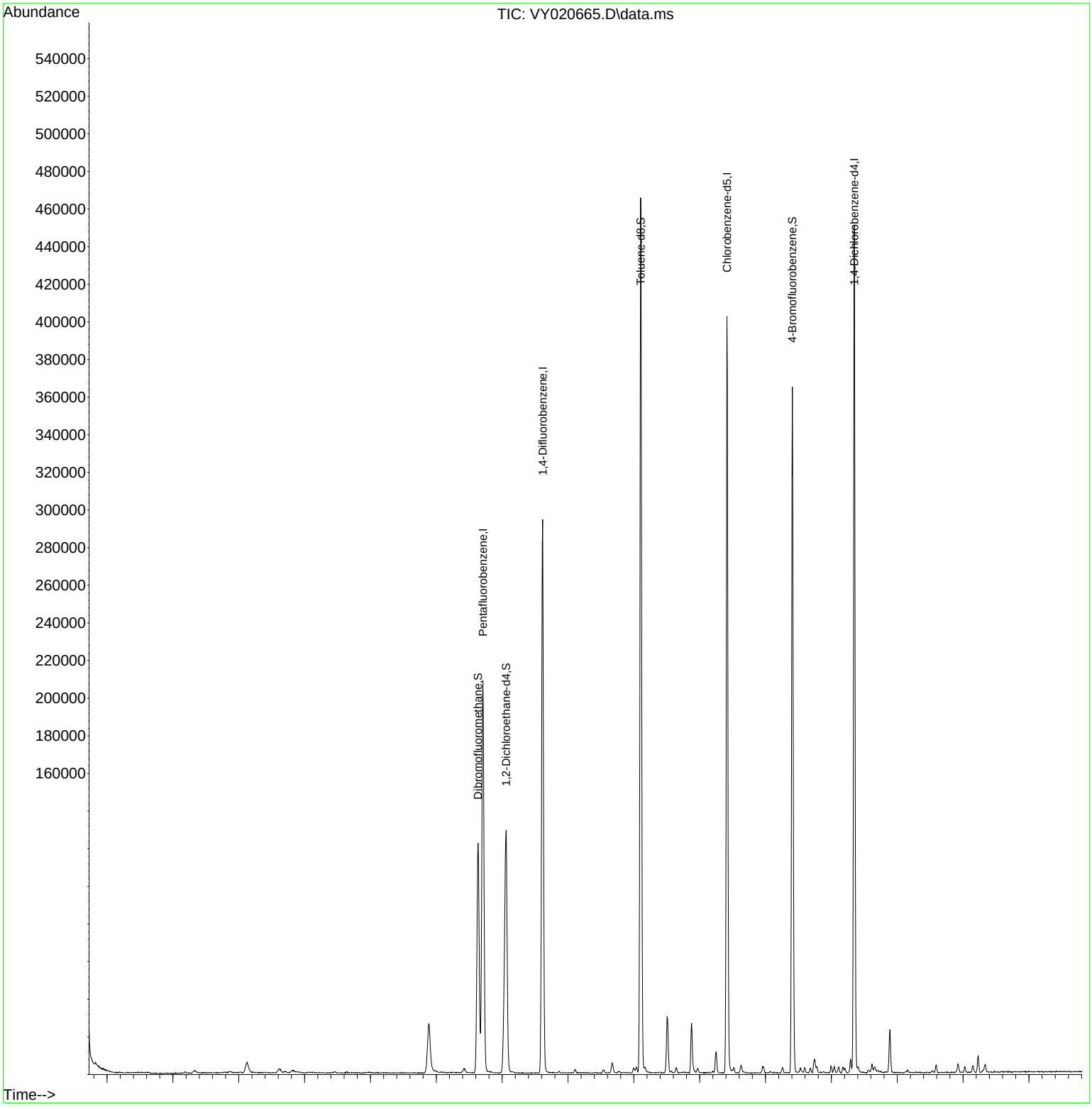
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	159056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	246351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	208495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109647	50.000	ug/l	0.00
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

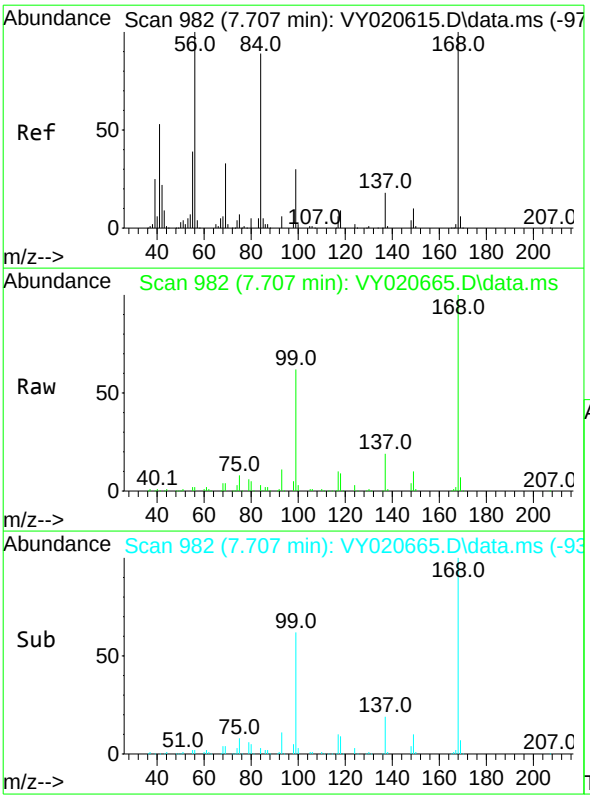
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



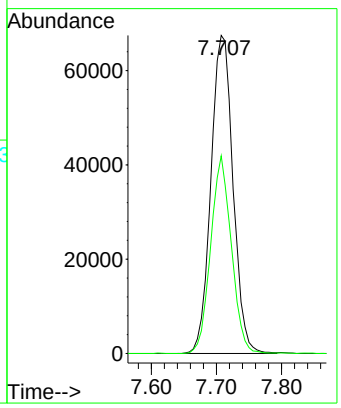


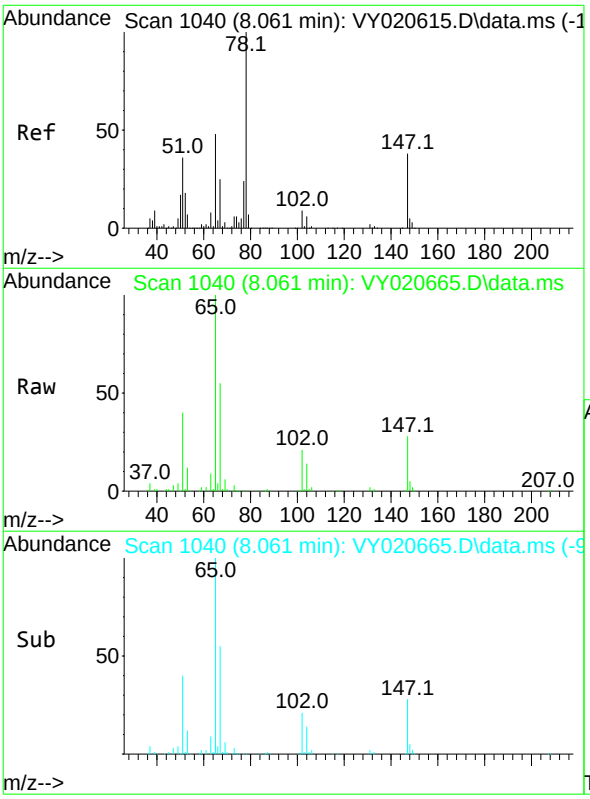
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion:168 Resp: 159056

Ion	Ratio	Lower	Upper
168	100		
99	62.1	47.0	70.6

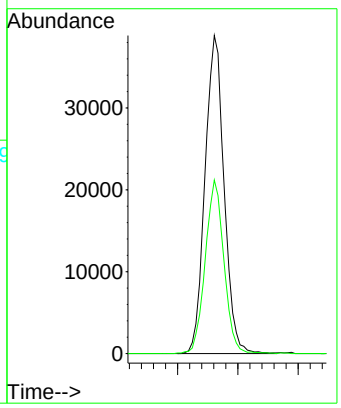


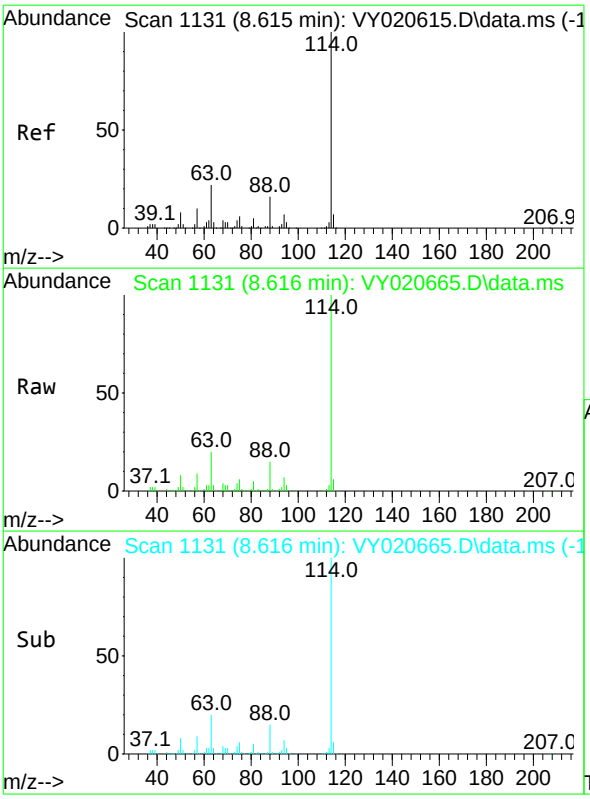


#33
1,2-Dichloroethane-d4
Concen: 49.052 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Tgt Ion: 65 Resp: 85448

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.0



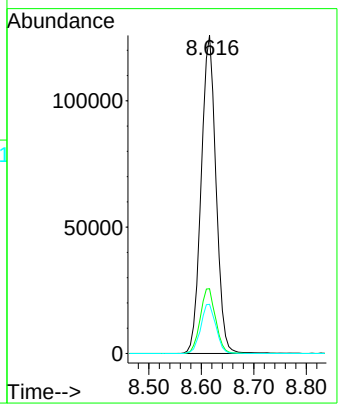


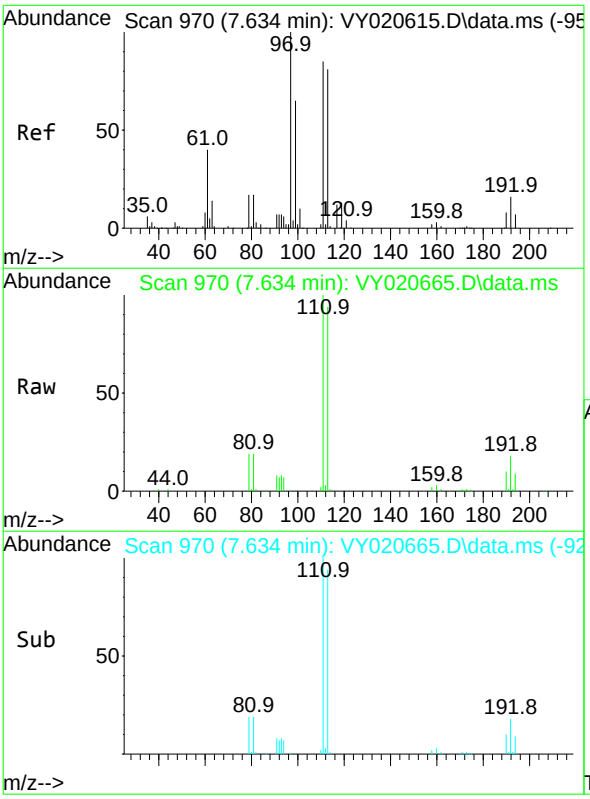
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

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

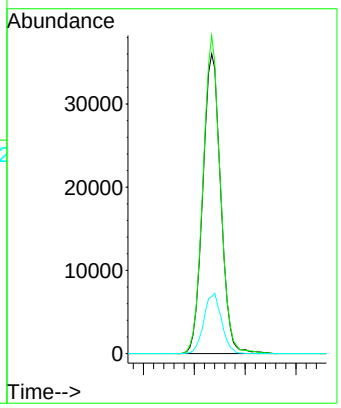


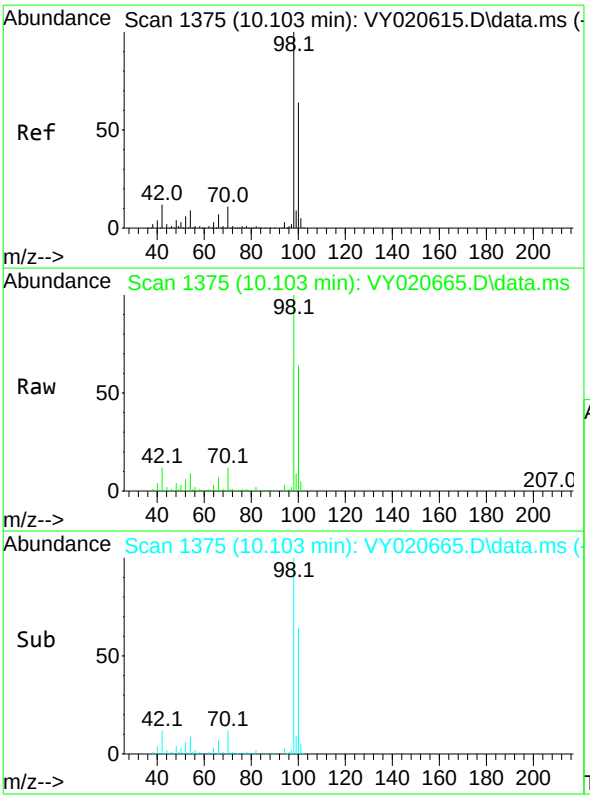


#35
Dibromofluoromethane
Concen: 50.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

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



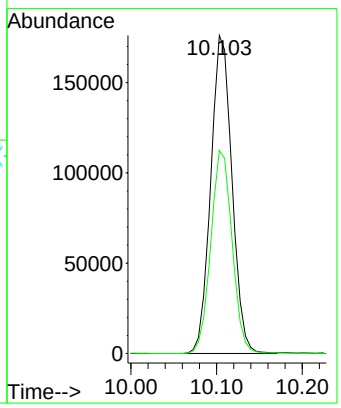


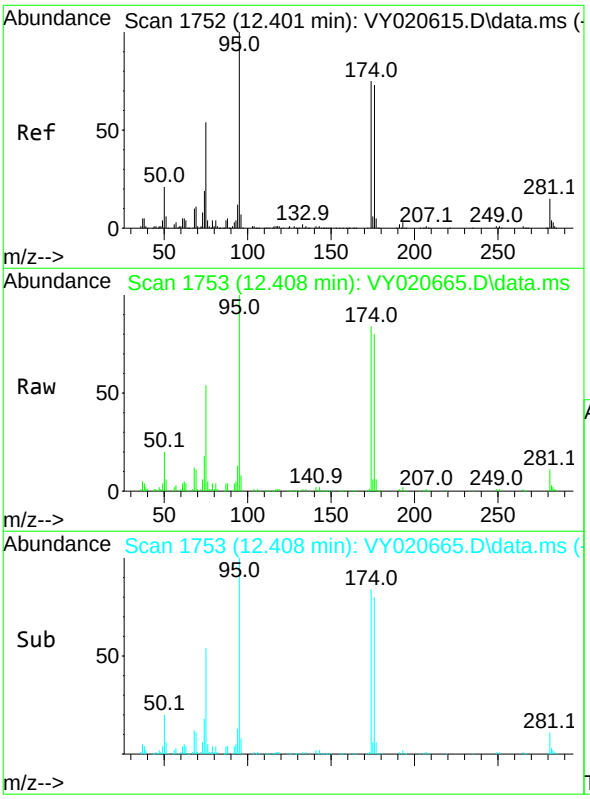
#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion: 98 Resp: 302895

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

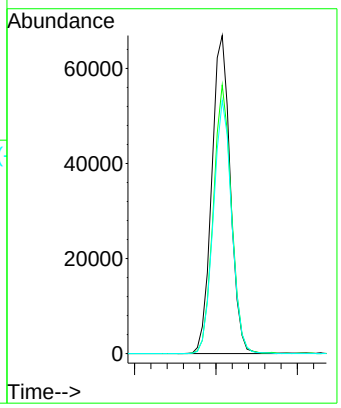


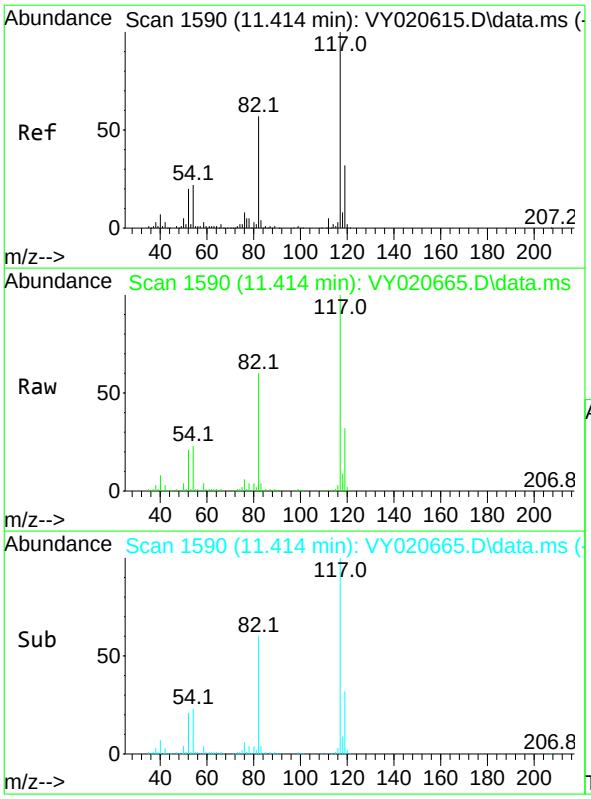


#62
4-Bromofluorobenzene
Concen: 44.544 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

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



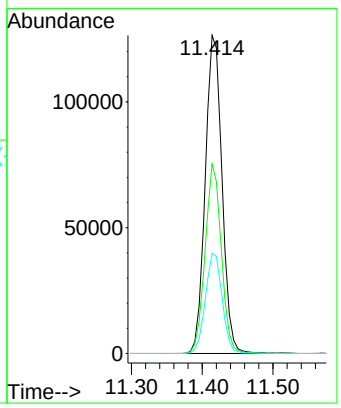


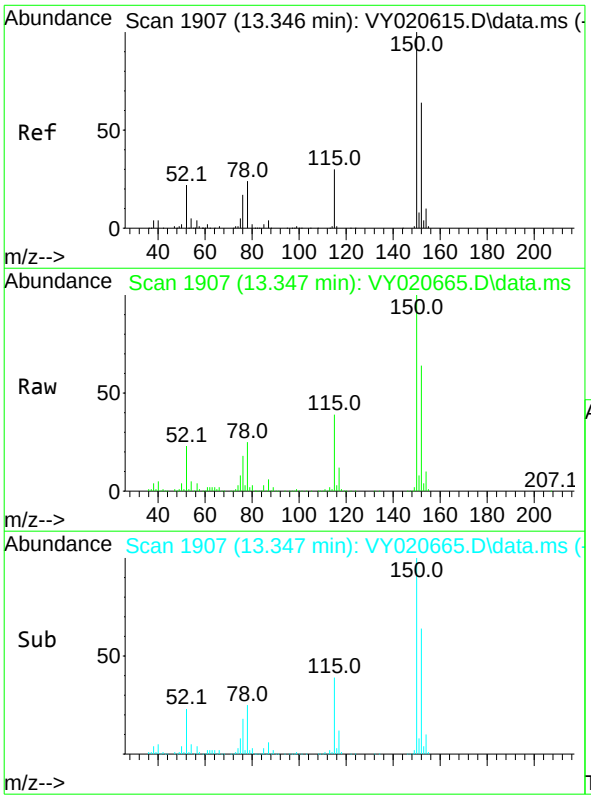
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

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

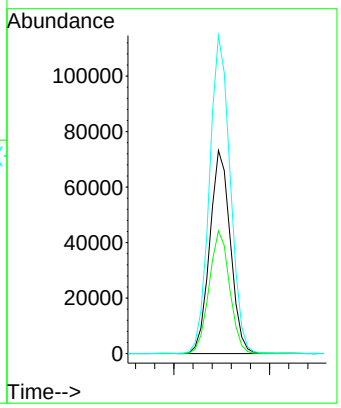




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

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



Raw Data: **VY020692.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBL01	SDG No.:	P5306
Lab Sample ID:	VY1223SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020692.D	1		12/23/24 15:24	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020692.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBL01	SDG No.:	P5306
Lab Sample ID:	VY1223SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020692.D	1		12/23/24 15:24	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020692.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBL01	SDG No.:	P5306
Lab Sample ID:	VY1223SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020692.D	1		12/23/24 15:24	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.4		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.7		85 - 116		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		79 - 119		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	104000	7.719				
540-36-3	1,4-Difluorobenzene	163000	8.622				
3114-55-4	Chlorobenzene-d5	134000	11.426				
3855-82-1	1,4-Dichlorobenzene-d4	51800	13.359				

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\VY122324\
Data File : VY020692.D
Acq On : 23 Dec 2024 15:24
Operator : SY/MD
Sample : VY1223SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Quant Time: Dec 23 15:44:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	103684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	162906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	133896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	51849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	53612	58.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.760%			
35) Dibromofluoromethane	7.646	113	51000	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.115	98	186585	53.705	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.420%			
62) 4-Bromofluorobenzene	12.414	95	55859	44.174	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 88.340%			

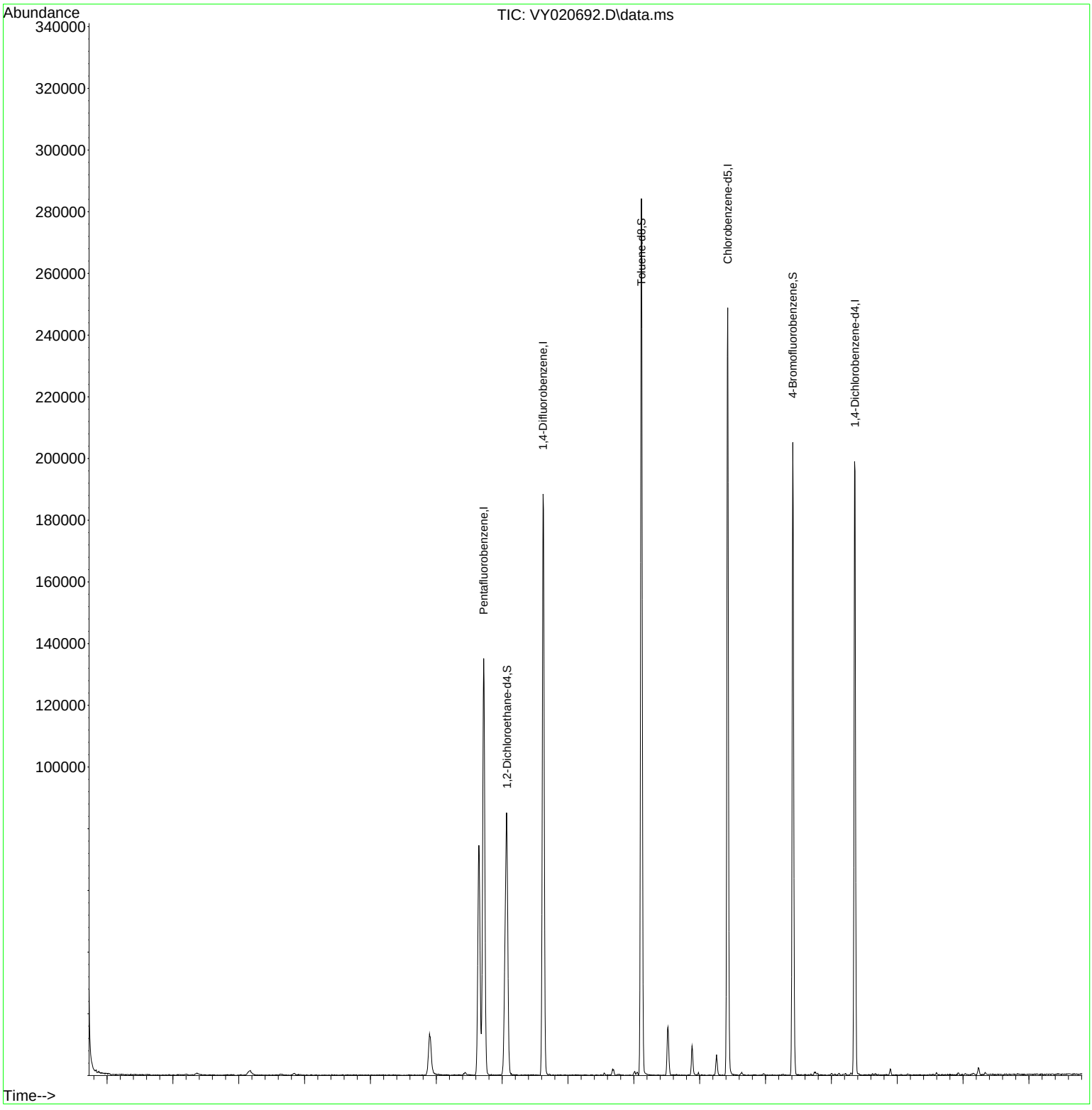
Target Compounds Qvalue

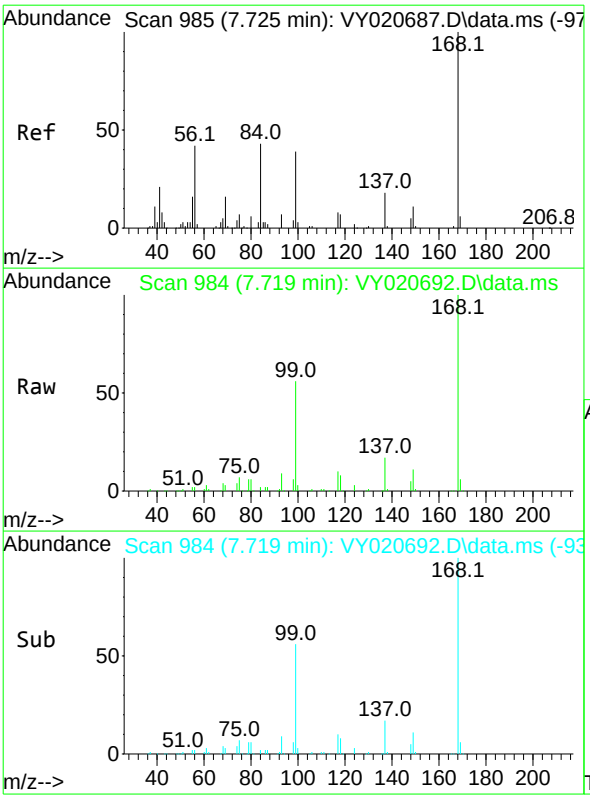
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020692.D
Acq On : 23 Dec 2024 15:24
Operator : SY/MD
Sample : VY1223SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Quant Time: Dec 23 15:44:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration



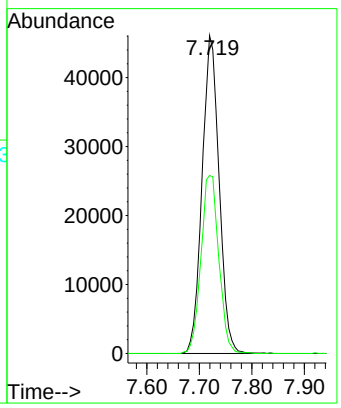


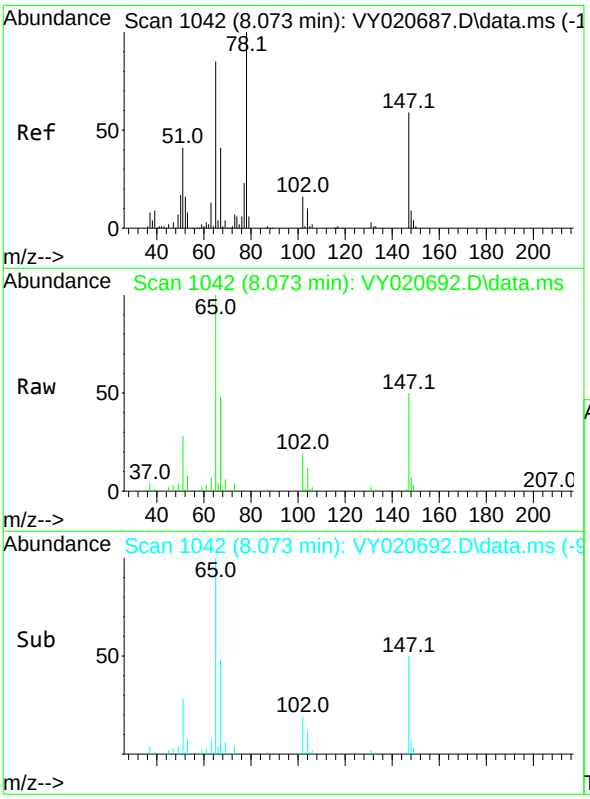
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Tgt Ion:168 Resp: 103684

Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.0	70.6

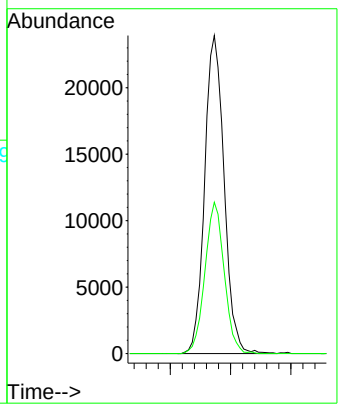


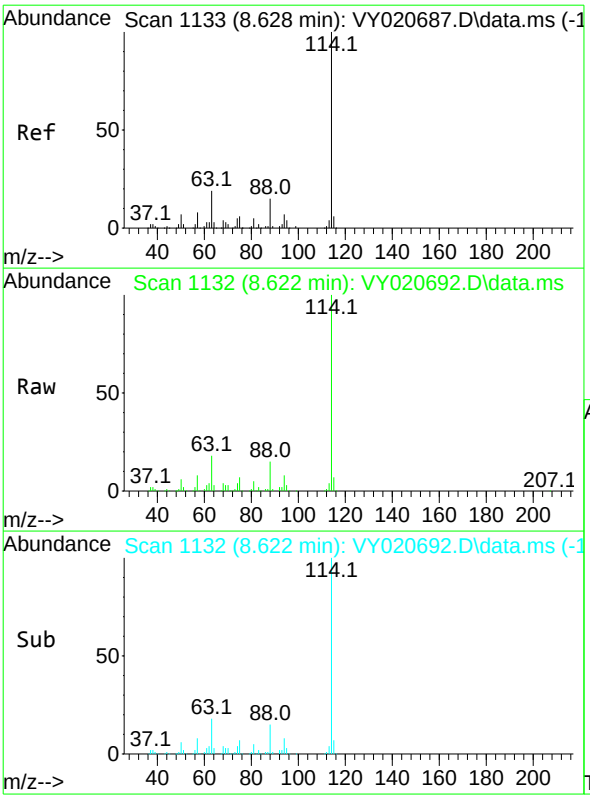


#33
1,2-Dichloroethane-d4
Concen: 58.384 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion: 65 Resp: 53612

Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	108.0



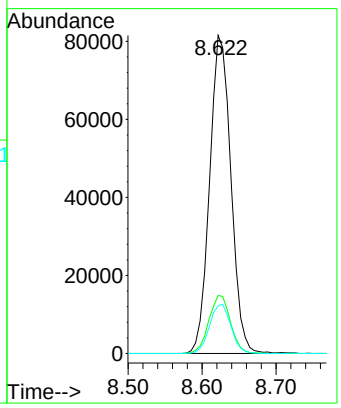


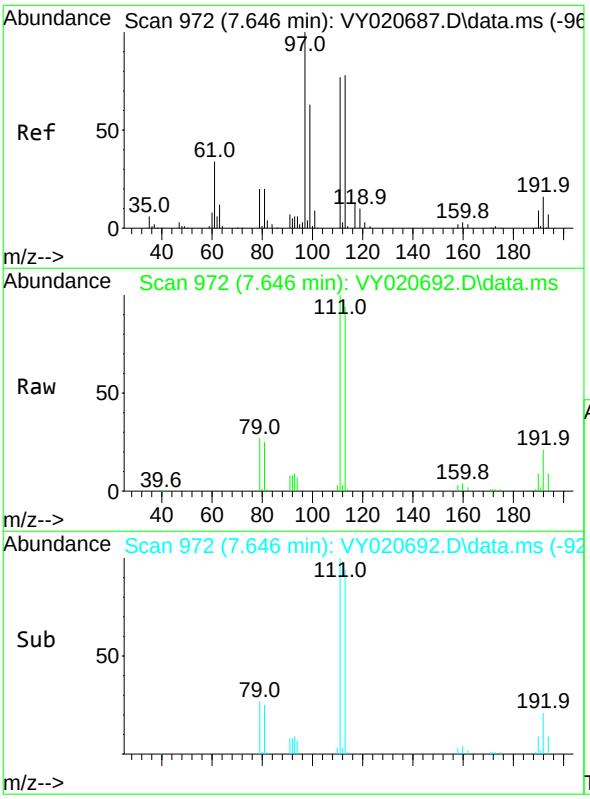
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Tgt Ion:114 Resp: 162906

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	44.0
88	15.0	0.0	32.8

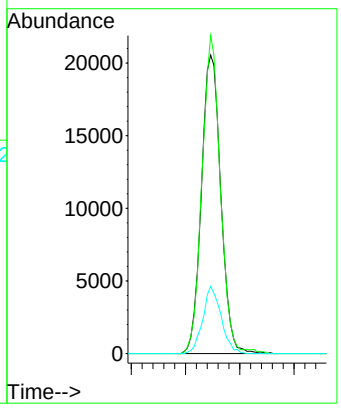


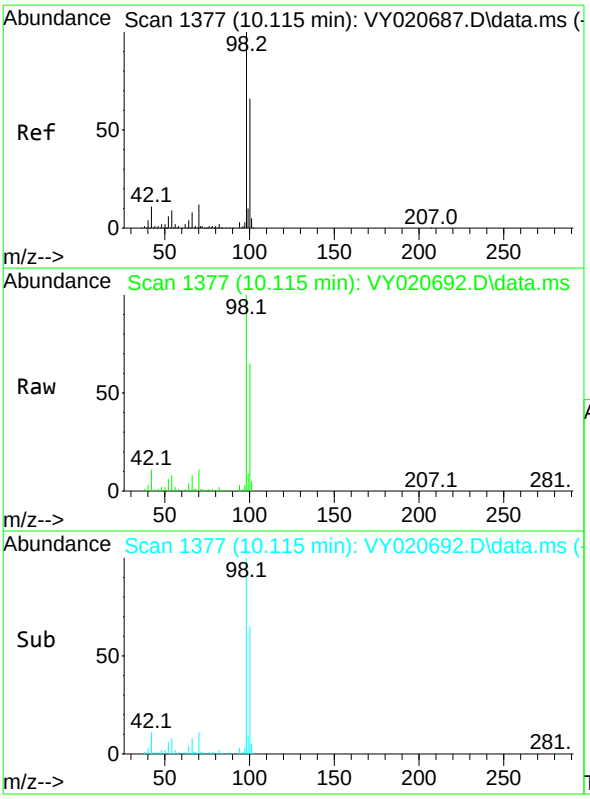


#35
Dibromofluoromethane
Concen: 53.317 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion:113 Resp: 51000

Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.9	124.3
192	21.3	15.7	23.5



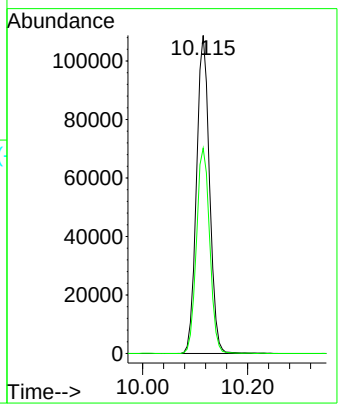


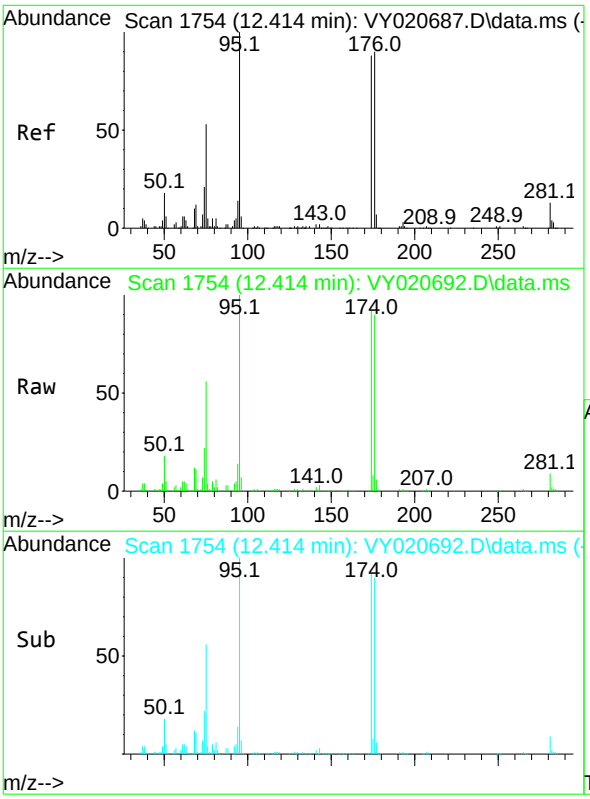
#50
Toluene-d8
Concen: 53.705 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Tgt Ion: 98 Resp: 186585

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1

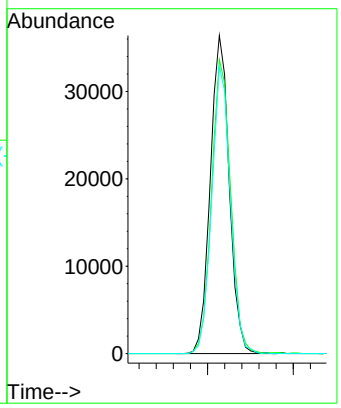


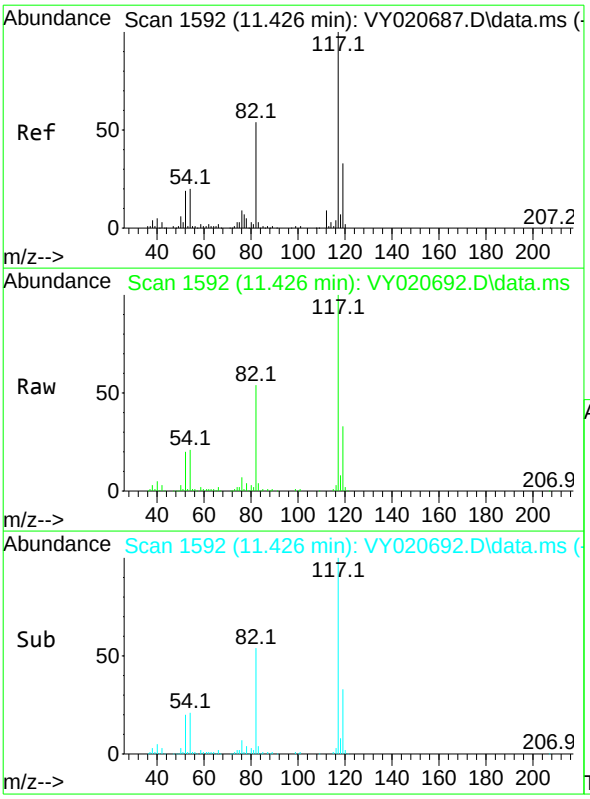


#62
4-Bromofluorobenzene
Concen: 44.174 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion: 95 Resp: 55859

Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	161.8
176	88.7	0.0	156.6



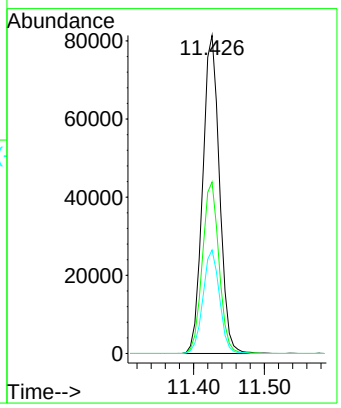


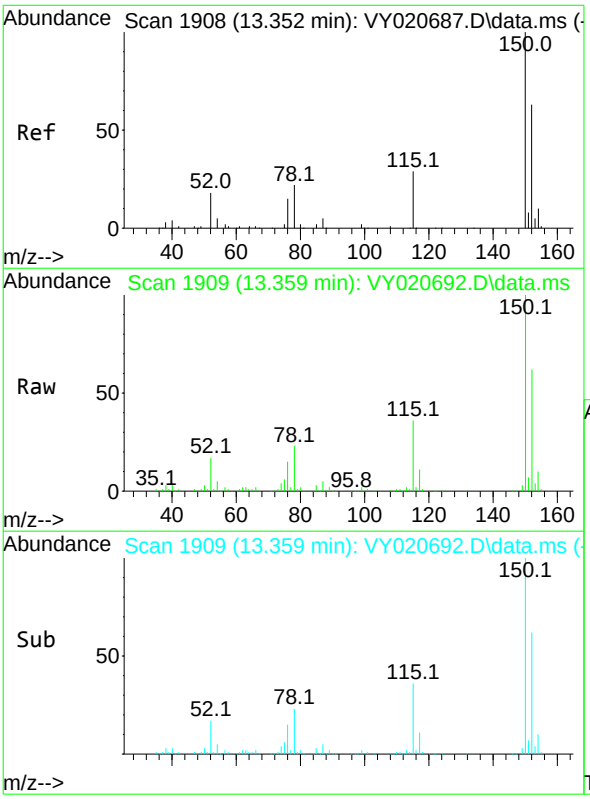
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Tgt Ion:117 Resp: 133896

Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.8	68.6
119	32.6	25.3	37.9

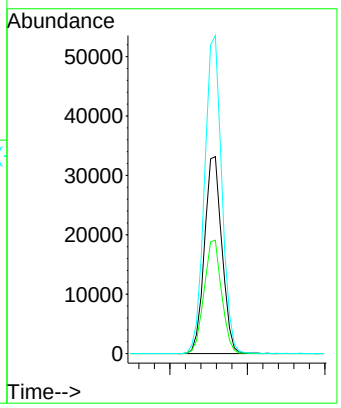




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion:152 Resp: 51849

Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.2	90.6
150	159.1	0.0	355.4



Raw Data: **VY020647.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBS01	SDG No.:	P5306
Lab Sample ID:	VY1219SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020647.D	1		12/19/24 11:53	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.020		0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.015		0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.015		0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.11		0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.017		0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.016		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.015		0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.097		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.066		0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.016		0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.099		0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.019		0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.021		0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.022		0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.023		0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020647.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBS01	SDG No.:	P5306
Lab Sample ID:	VY1219SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020647.D	1		12/19/24 11:53	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.022		0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.022		0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.022		0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.023		0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.022		0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.022		0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.043		0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.065		0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.022		0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.022		0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.023		0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.023		0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.021		0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.021		0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.022		0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020647.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1219SBS01	SDG No.:	P5306
Lab Sample ID:	VY1219SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020647.D	1		12/19/24 11:53	VY121924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.021		0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.022		0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.022		0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.023		0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	55.6		85 - 116		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		79 - 119		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	7.707				
540-36-3	1,4-Difluorobenzene	283000	8.615				
3114-55-4	Chlorobenzene-d5	248000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	139000	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

Sample Results: **VY020647.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 00:47:00 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 :
VY1219SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	283194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	247561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	139236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110359	54.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.000%			
35) Dibromofluoromethane	7.640	113	110812	55.520	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.040%			
50) Toluene-d8	10.109	98	388095	55.554	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.100%			
62) 4-Bromofluorobenzene	12.407	95	146340	53.552	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46604	20.180	ug/l	99
3) Chloromethane	2.074	50	32178	18.805	ug/l	99
4) Vinyl Chloride	2.208	62	29453	18.493	ug/l	98
5) Bromomethane	2.598	94	15687	15.323	ug/l	93
6) Chloroethane	2.738	64	14290	14.520	ug/l	96
7) Trichlorofluoromethane	3.061	101	57129	17.143	ug/l	97
8) Diethyl Ether	3.458	74	18049	15.443	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	38154	15.973	ug/l	97
10) Methyl Iodide	4.013	142	45573	17.136	ug/l	99
11) Tert butyl alcohol	4.872	59	20125	70.688	ug/l	99
12) 1,1-Dichloroethene	3.793	96	35580	15.351	ug/l	93
13) Acrolein	3.659	56	8452	88.270	ug/l	97
14) Allyl chloride	4.390	41	68670	16.909	ug/l	98
15) Acrylonitrile	5.067	53	54120	96.793	ug/l	97
16) Acetone	3.878	43	28434	65.941	ug/l	100
17) Carbon Disulfide	4.110	76	121614	16.120	ug/l	99
18) Methyl Acetate	4.390	43	25492	18.503	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	121819	20.364	ug/l	100
20) Methylene Chloride	4.622	84	48520	19.271	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	50361	19.371	ug/l	93
22) Diisopropyl ether	6.024	45	156745	19.014	ug/l	96
23) Vinyl Acetate	5.963	43	447758	95.902	ug/l	98
24) 1,1-Dichloroethane	5.921	63	94173	19.500	ug/l	98
25) 2-Butanone	6.896	43	74559	99.075	ug/l	99
26) 2,2-Dichloropropane	6.890	77	84303	18.466	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	63846	21.345	ug/l	97
28) Bromochloromethane	7.250	49	27683	16.994	ug/l	96
29) Tetrahydrofuran	7.268	42	50035	105.321	ug/l	99
30) Chloroform	7.427	83	107747	18.928	ug/l	98
31) Cyclohexane	7.701	56	90313	19.558	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	94090	21.207	ug/l	99
36) 1,1-Dichloropropene	7.835	75	75411	20.721	ug/l	99
37) Ethyl Acetate	6.988	43	37099	21.671	ug/l	99
38) Carbon Tetrachloride	7.817	117	85038	21.119	ug/l	93
39) Methylcyclohexane	9.109	83	95987	20.236	ug/l	100
40) Benzene	8.085	78	227976	21.371	ug/l	100

Sample Results: **VY020647.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 00:47:00 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 :
VY1219SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15207	16.803	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	61160	21.617	ug/l		99
43) Isopropyl Acetate	8.201	43	69490	21.441	ug/l		99
44) Trichloroethene	8.865	130	56052	21.384	ug/l		95
45) 1,2-Dichloropropane	9.140	63	54493	21.857	ug/l		98
46) Dibromomethane	9.231	93	29599	22.464	ug/l		98
47) Bromodichloromethane	9.426	83	76212	21.413	ug/l		98
48) Methyl methacrylate	9.219	41	32186	20.890	ug/l		96
49) 1,4-Dioxane	9.237	88	6938	459.147	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	181234	105.942	ug/l		99
52) Toluene	10.170	92	142231	21.454	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	71410	21.532	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	84026	21.381	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	38316	21.995	ug/l		98
56) Ethyl methacrylate	10.444	69	54998	21.762	ug/l		96
57) 1,3-Dichloropropane	10.719	76	69158	22.270	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	113969	107.175	ug/l		98
59) 2-Hexanone	10.761	43	115614	105.263	ug/l		97
60) Dibromochloromethane	10.914	129	51946	22.297	ug/l		98
61) 1,2-Dibromoethane	11.017	107	36878	22.758	ug/l		98
64) Tetrachloroethene	10.645	164	49209	21.133	ug/l		98
65) Chlorobenzene	11.444	112	151005	21.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	51570	21.787	ug/l		97
67) Ethyl Benzene	11.517	91	270705	21.198	ug/l		99
68) m/p-Xylenes	11.627	106	203604	42.880	ug/l		99
69) o-Xylene	11.956	106	95914	21.650	ug/l		100
70) Styrene	11.968	104	160252	21.650	ug/l		99
71) Bromoform	12.133	173	29878	22.451	ug/l	#	99
73) Isopropylbenzene	12.255	105	256085	21.076	ug/l		99
74) N-amyl acetate	12.072	43	60196	21.169	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.511	83	45346	22.992	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	29715m	20.544	ug/l		
77) Bromobenzene	12.535	156	56425	21.319	ug/l		99
78) n-propylbenzene	12.596	91	307113	20.979	ug/l		100
79) 2-Chlorotoluene	12.682	91	176449	21.424	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	209105	21.209	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	15550	22.567	ug/l		96
82) 4-Chlorotoluene	12.779	91	179017	20.951	ug/l		100
83) tert-Butylbenzene	12.999	119	185911	20.822	ug/l		98
84) 1,2,4-Trimethylbenzene	13.047	105	207246	21.430	ug/l		100
85) sec-Butylbenzene	13.176	105	271663	20.926	ug/l		99
86) p-Isopropyltoluene	13.291	119	225018	21.022	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	111668	21.373	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	111847	21.614	ug/l		99
89) n-Butylbenzene	13.621	91	208511	20.555	ug/l		100
90) Hexachloroethane	13.883	117	44930	21.182	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	98502	21.760	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7038	21.979	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	55848	20.396	ug/l		98
94) Hexachlorobutadiene	15.029	225	36777	20.546	ug/l		99
95) Naphthalene	15.151	128	100318	21.370	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	48835	21.109	ug/l		99

Sample Results: **VY020647.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 00:47:00 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 :
VY1219SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

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

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

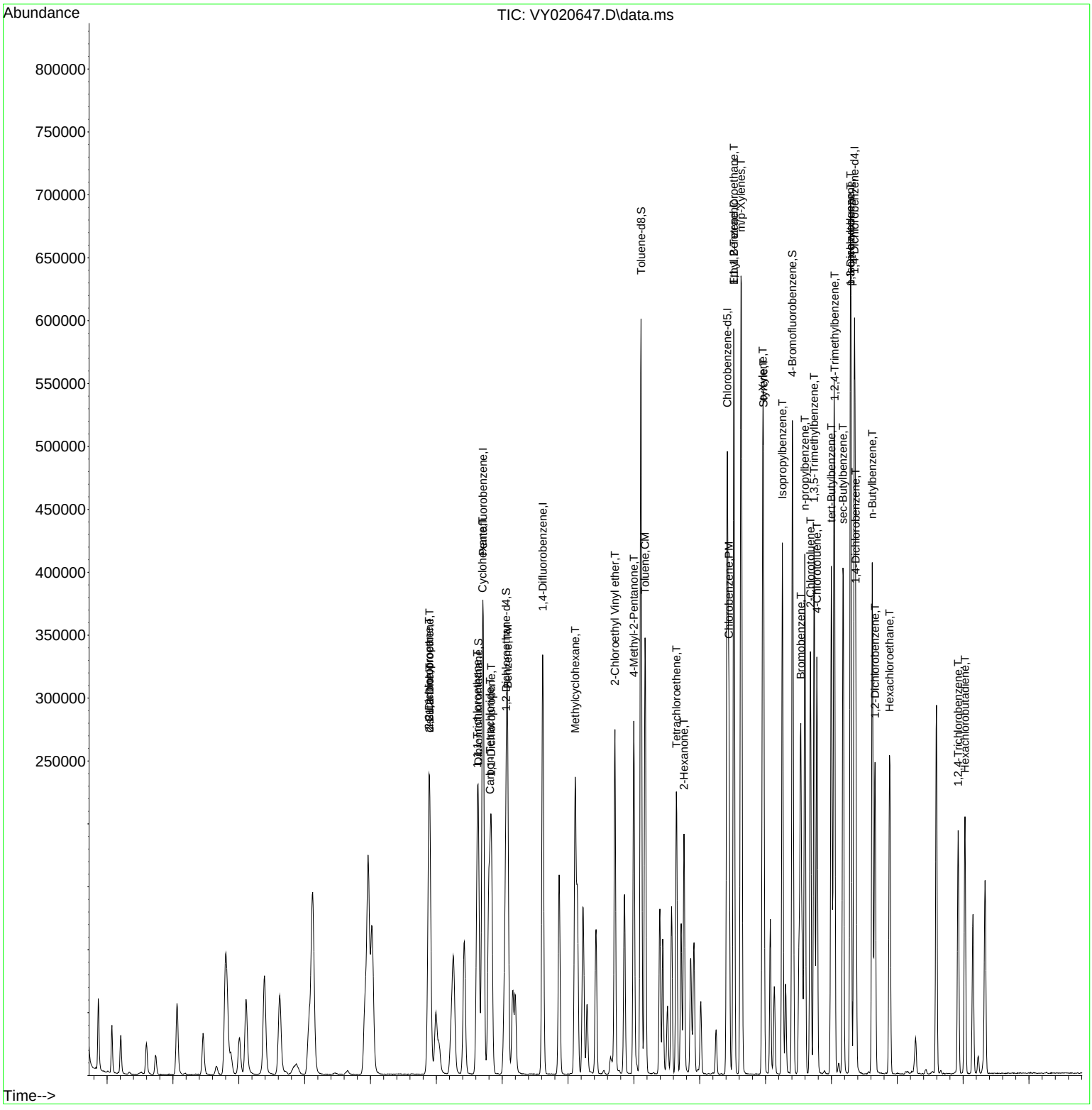
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

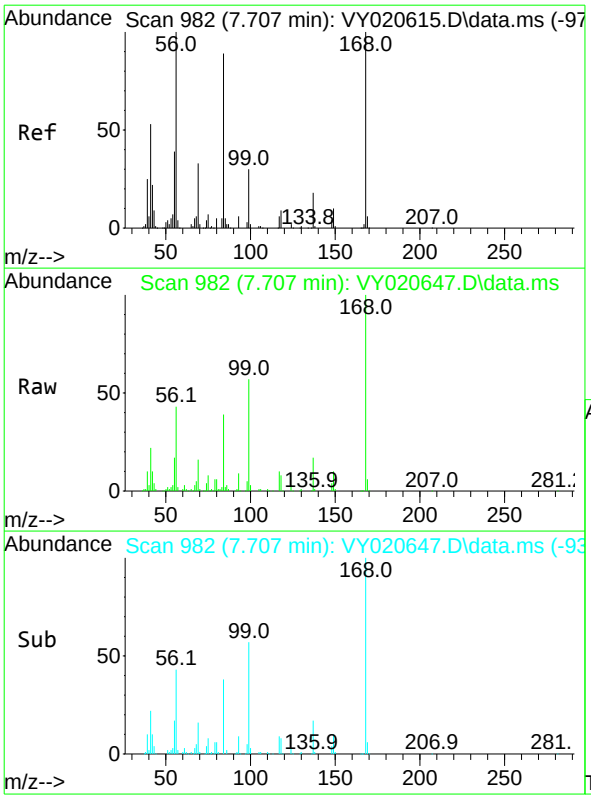
Quant Time: Dec 20 00:47:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

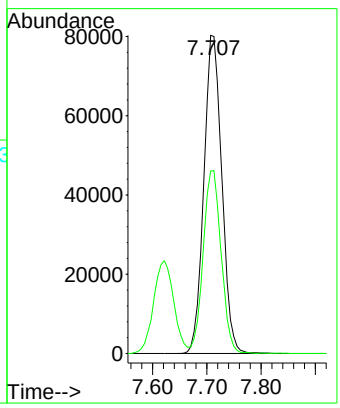
Tgt Ion:168 Resp: 184895

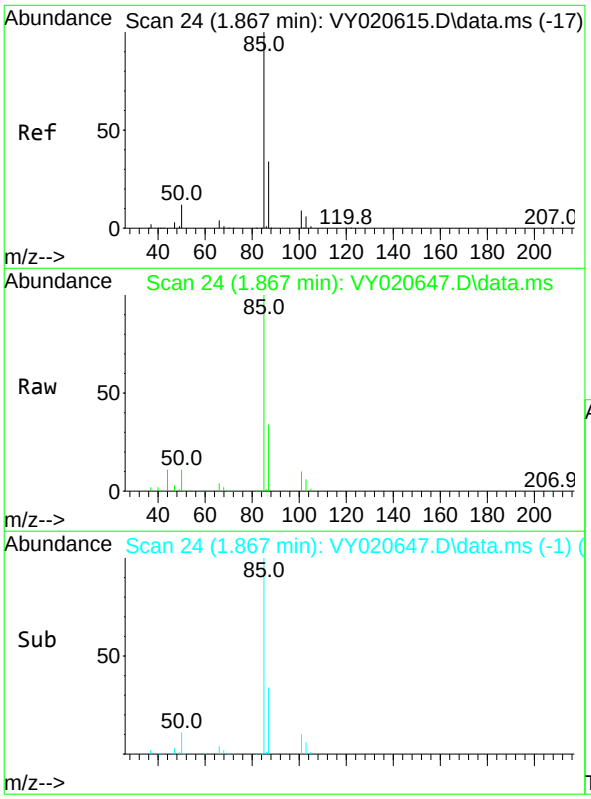
Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

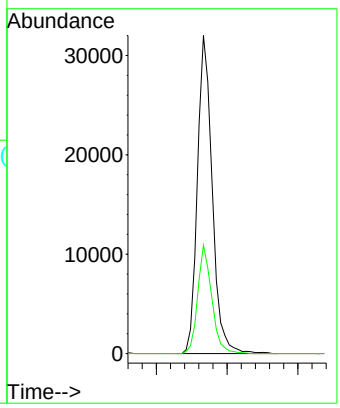


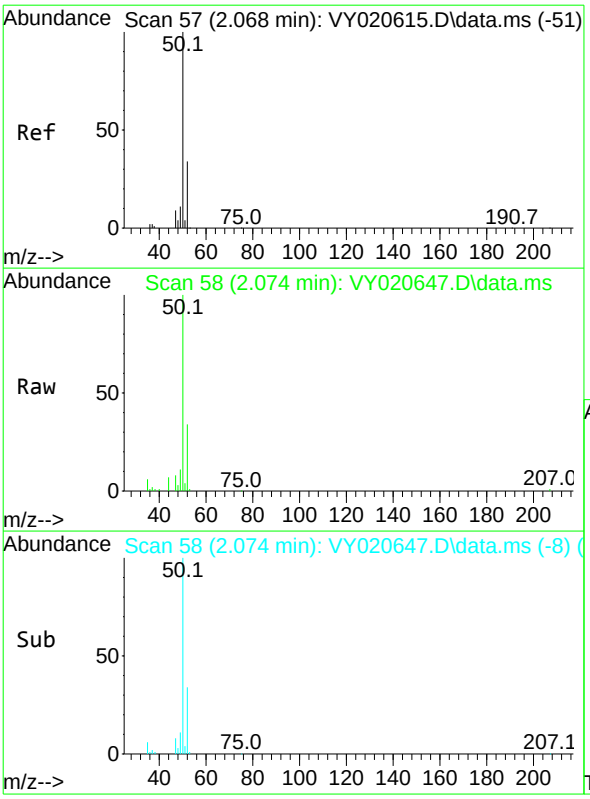


#2
Dichlorodifluoromethane
Concen: 20.180 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 85 Resp: 46604

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.8	50.3

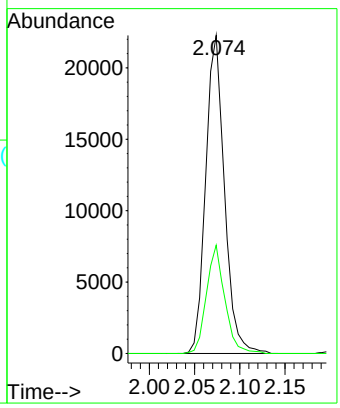




#3
Chloromethane
Concen: 18.805 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 50 Resp: 32178

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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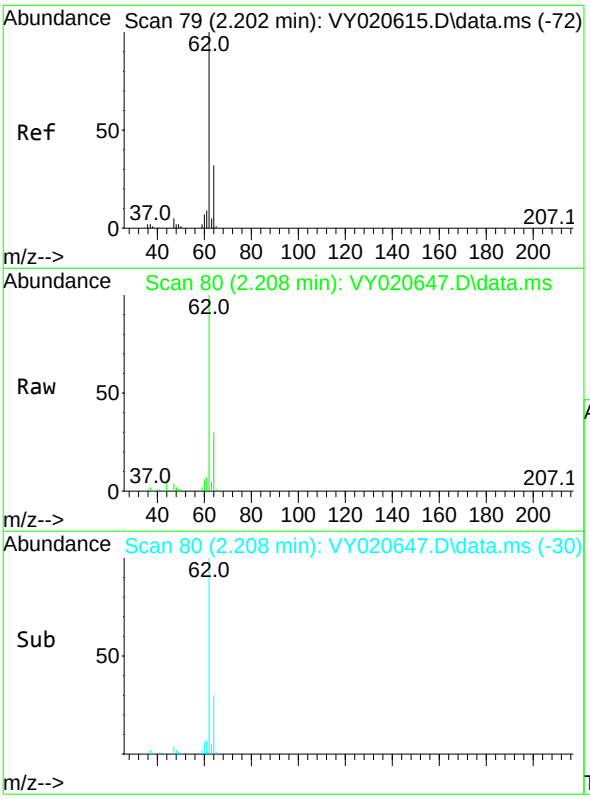
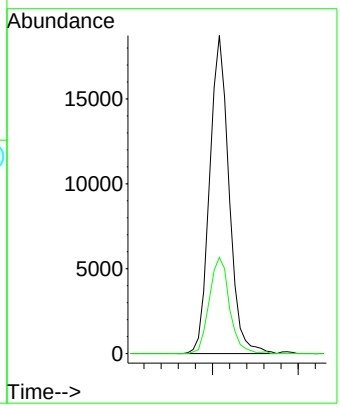
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

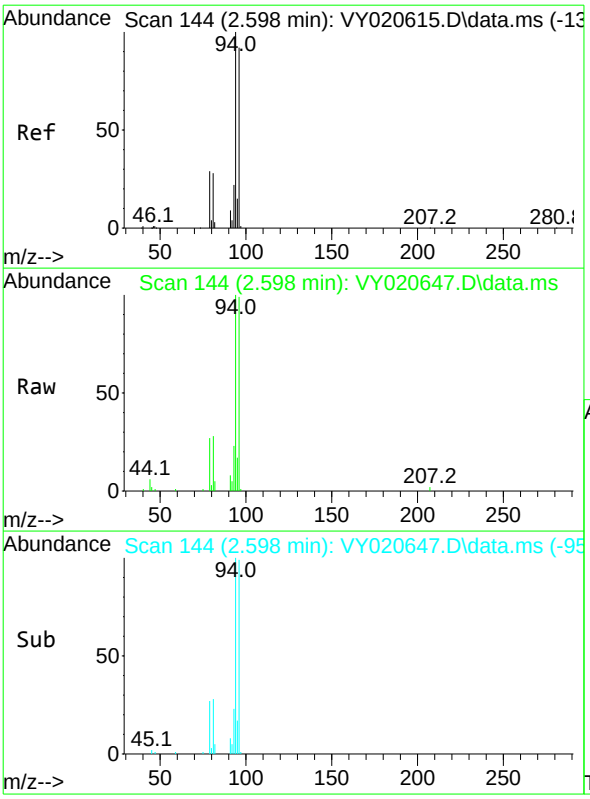


#4
Vinyl Chloride
Concen: 18.493 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 62 Resp: 29453

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.3	37.9

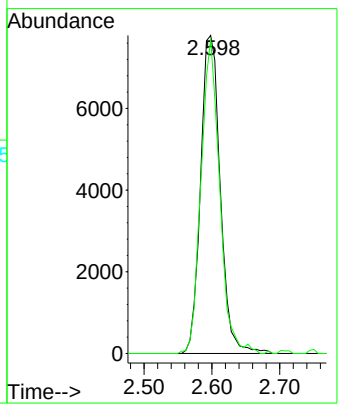




#5
Bromomethane
Concen: 15.323 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 94 Resp: 15687

Ion	Ratio	Lower	Upper
94	100		
96	98.7	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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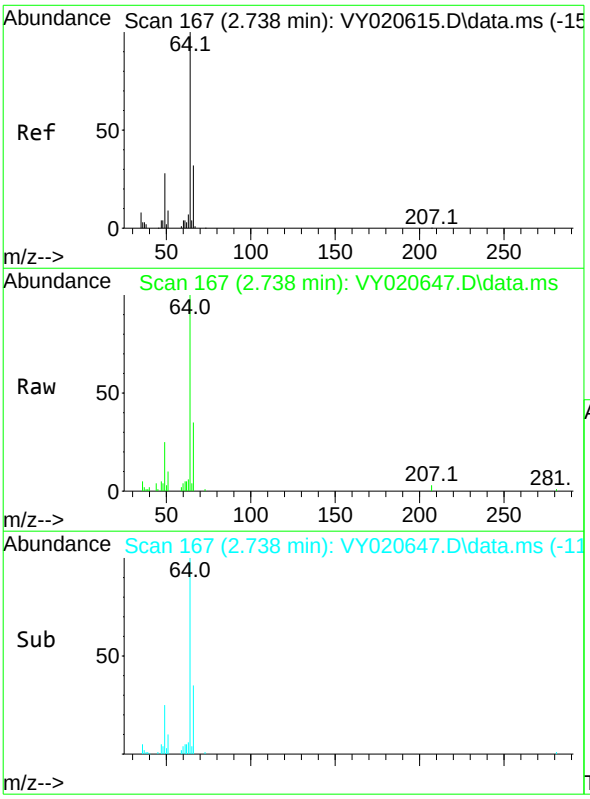
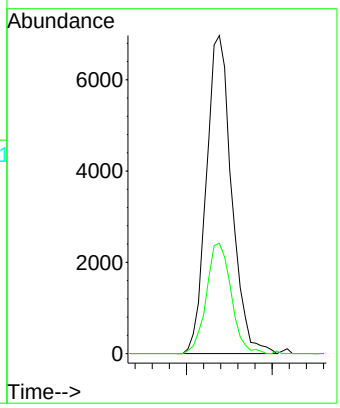
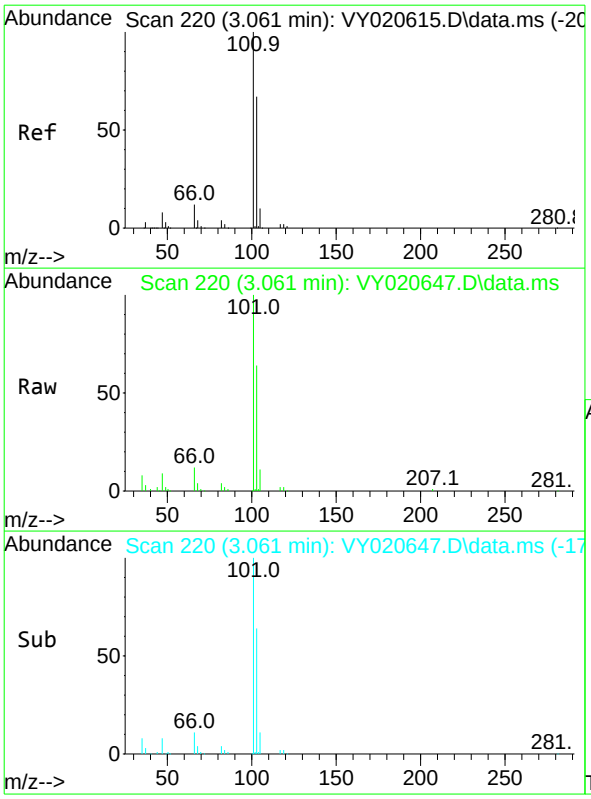


#6
Chloroethane
Concen: 14.520 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 64 Resp: 14290

Ion	Ratio	Lower	Upper
64	100		
66	34.7	25.8	38.6





#7
Trichlorofluoromethane
Concen: 17.143 ug/l
RT: 3.061 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:101 Resp: 57129

Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.4	80.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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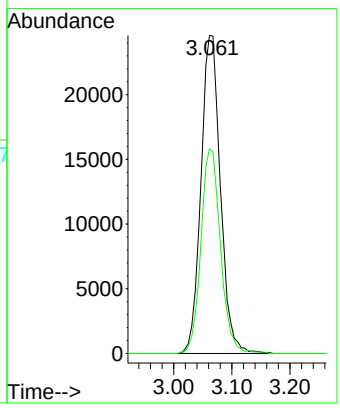
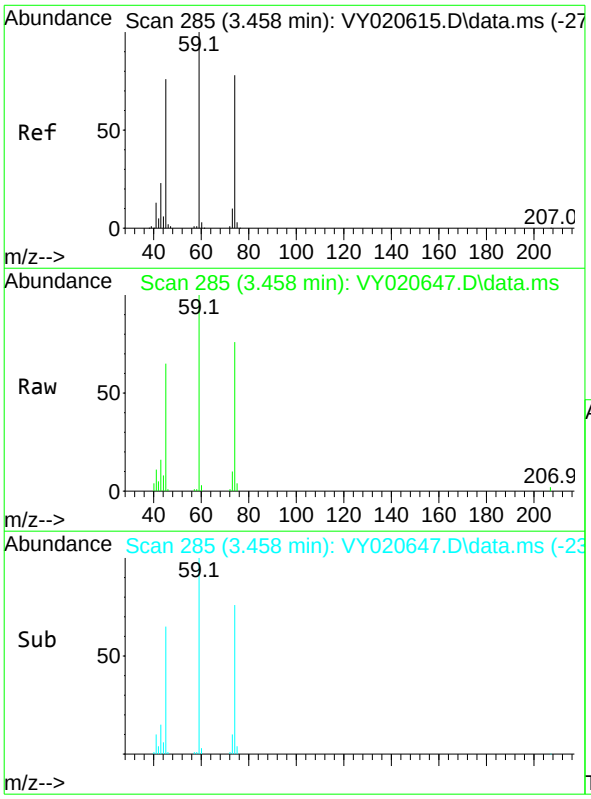
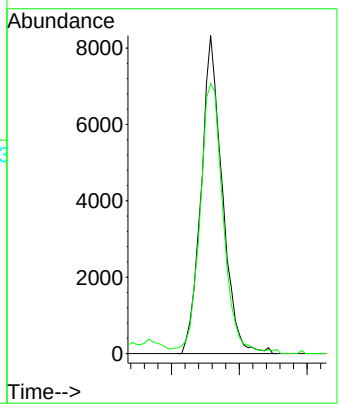


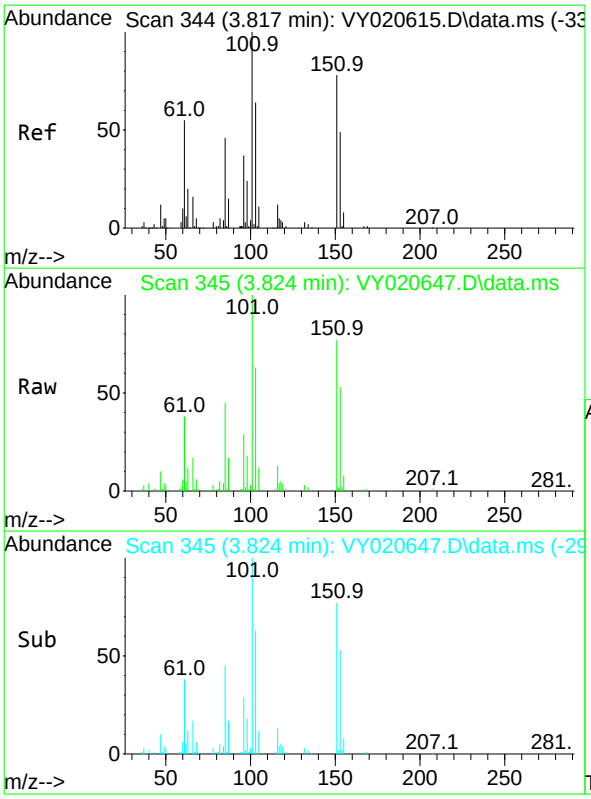


#8
Diethyl Ether
Concen: 15.443 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 74 Resp: 18049

Ion	Ratio	Lower	Upper
74	100		
45	90.6	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.973 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:101 Resp: 38154

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.6	54.8
151	80.3	61.5	92.3

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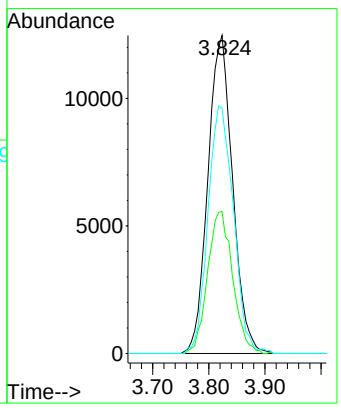
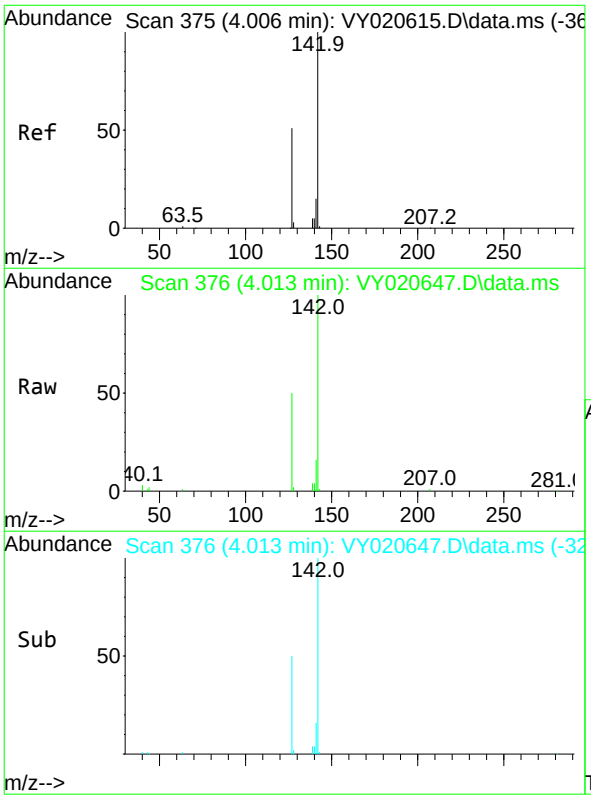
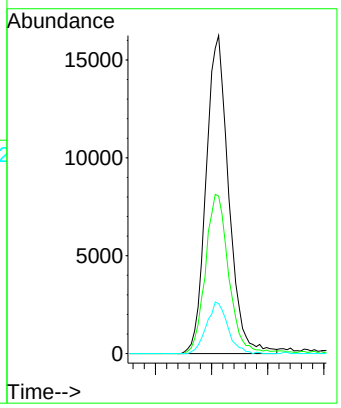


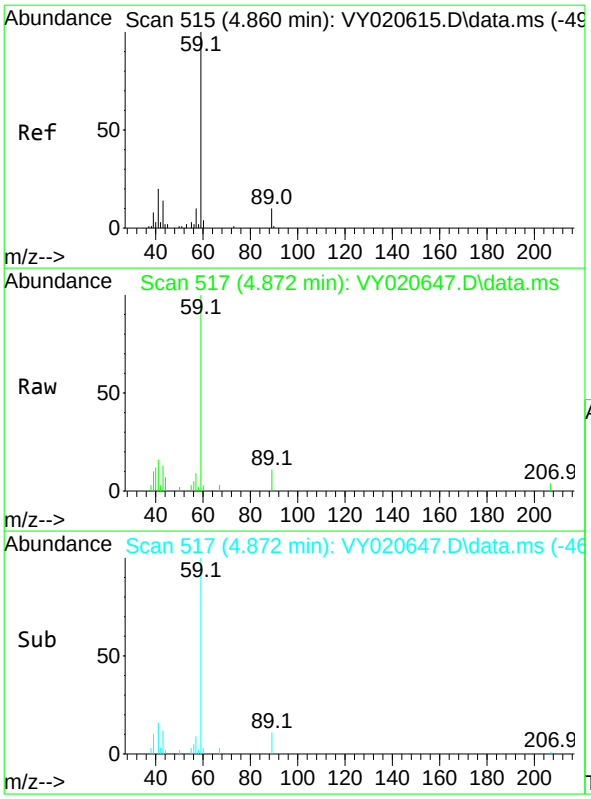


#10
Methyl Iodide
Concen: 17.136 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:142 Resp: 45573

Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.6	61.0
141	15.1	11.7	17.5

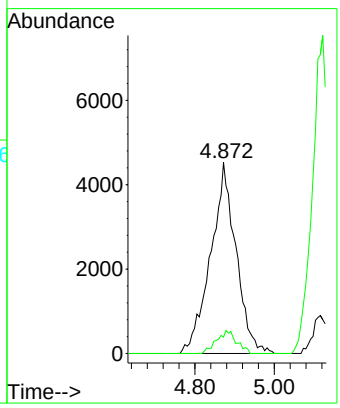




#11
Tert butyl alcohol
Concen: 70.688 ug/l
RT: 4.872 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 59 Resp: 20125

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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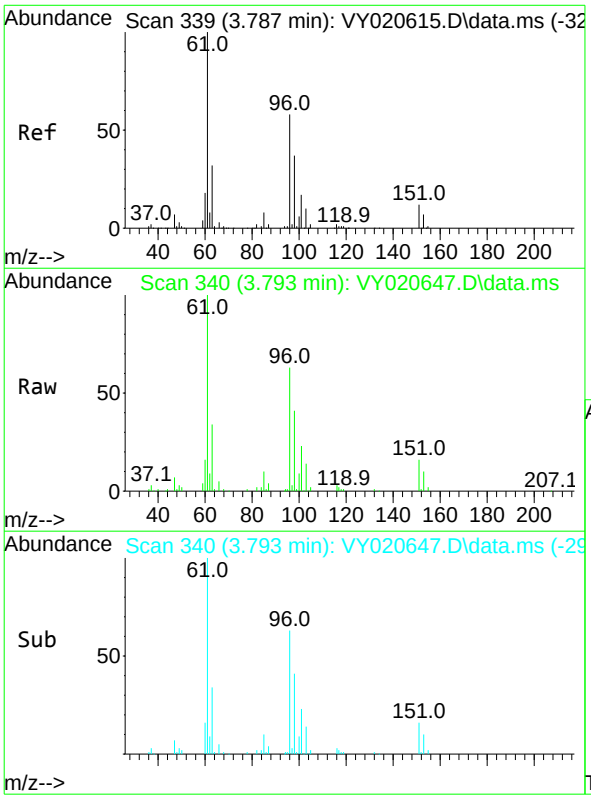
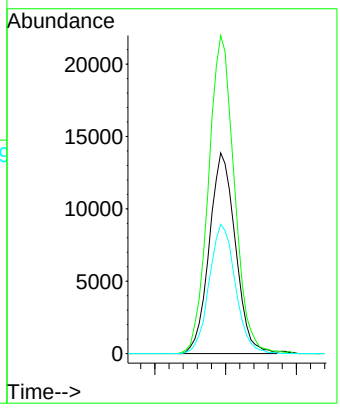
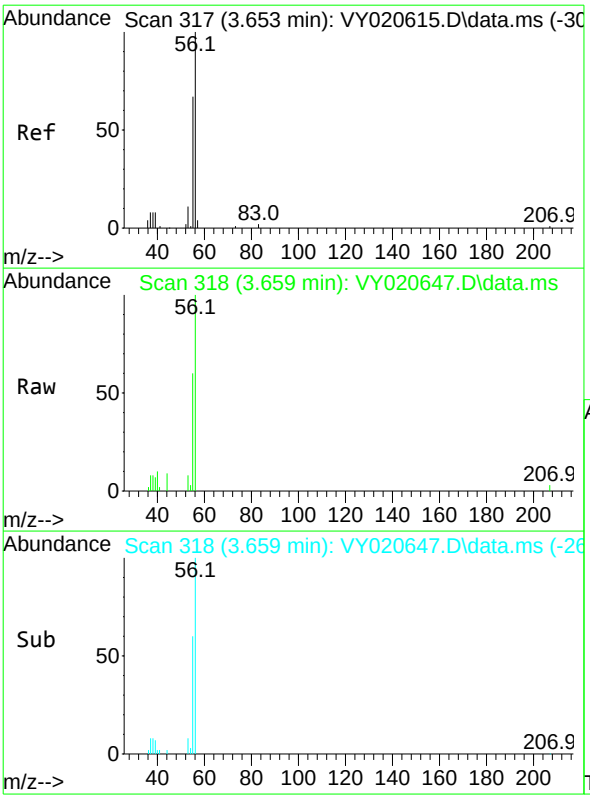


#12
1,1-Dichloroethene
Concen: 15.351 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 96 Resp: 35580

Ion	Ratio	Lower	Upper
96	100		
61	158.5	136.9	205.3
98	64.4	50.2	75.4

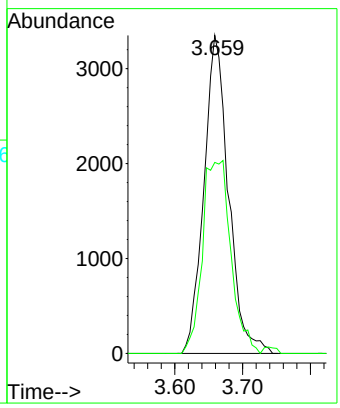




#13
Acrolein
Concen: 88.270 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 56 Resp: 8452

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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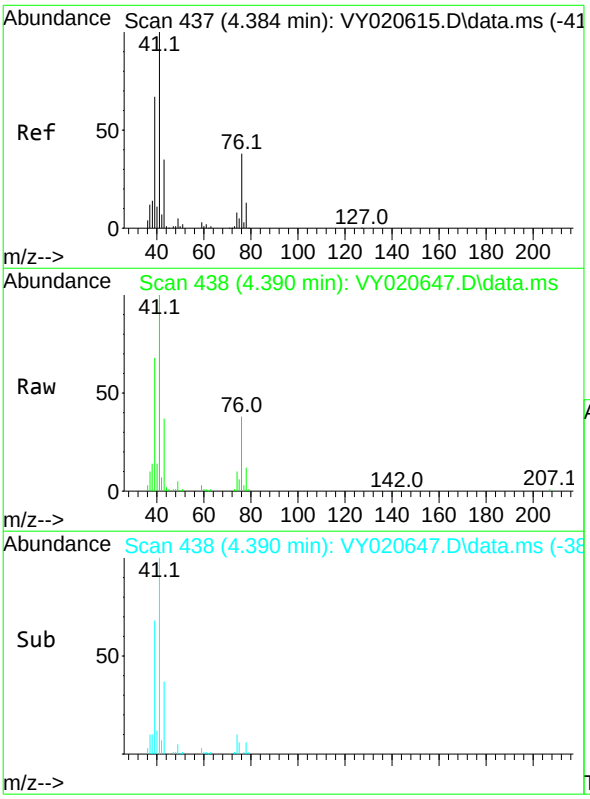
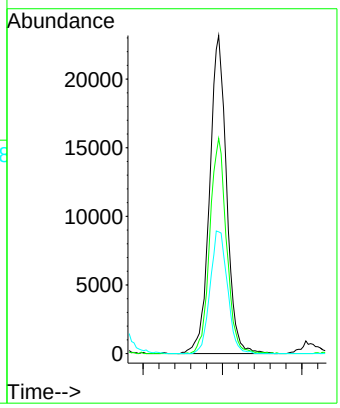
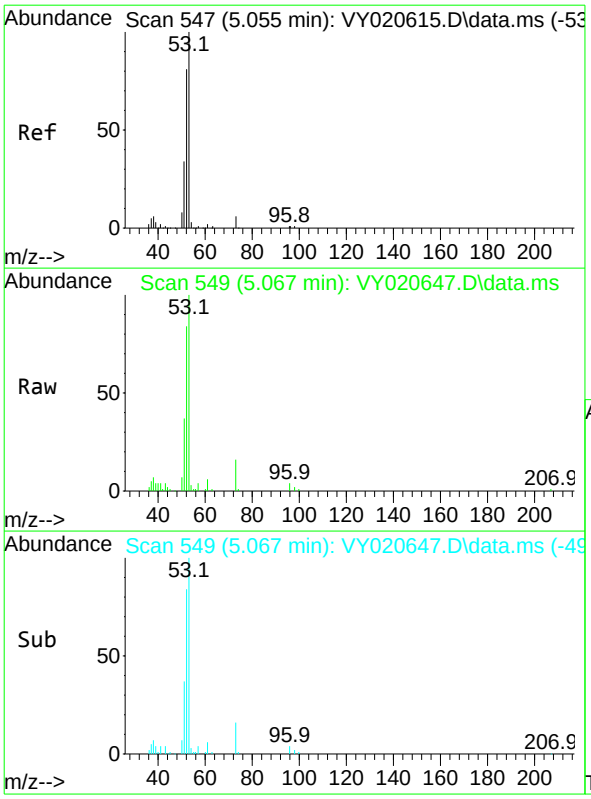


#14
Allyl chloride
Concen: 16.909 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 41 Resp: 68670

Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
76	39.4	29.5	44.3

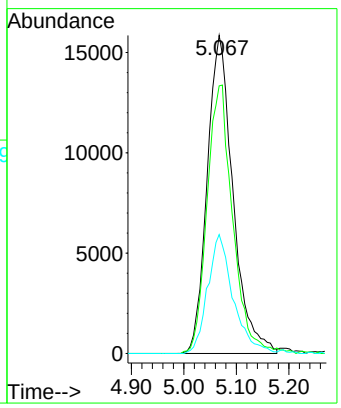




#15
Acrylonitrile
Concen: 96.793 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 53 Resp: 54120

Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.5	96.7
51	36.9	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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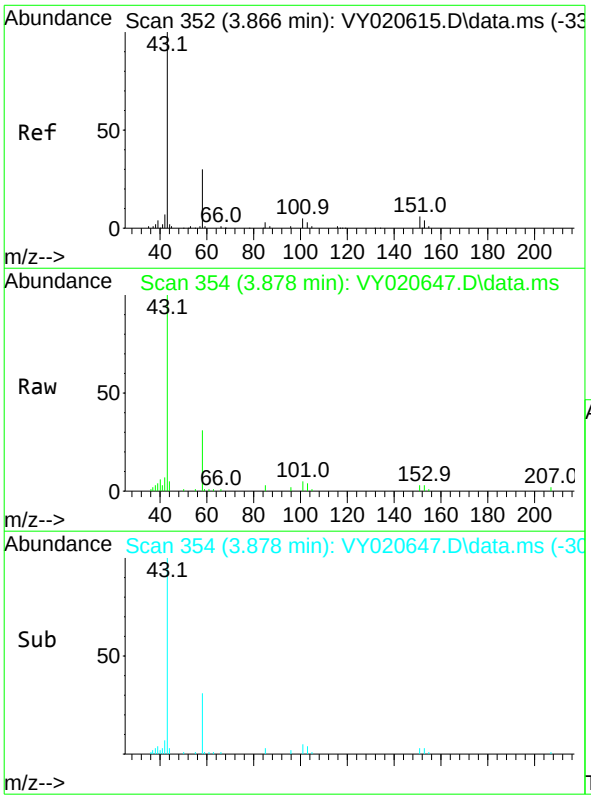
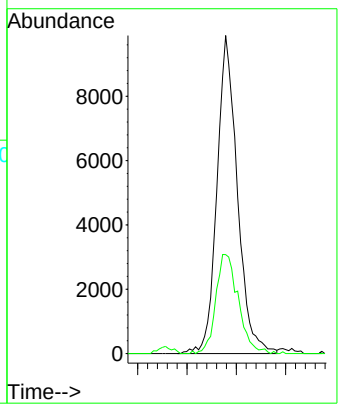
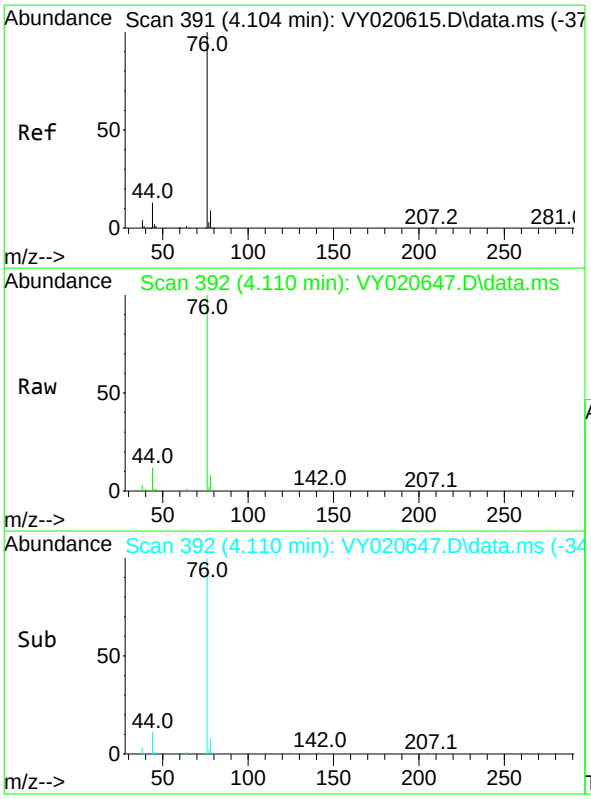


#16
Acetone
Concen: 65.941 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 28434

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6

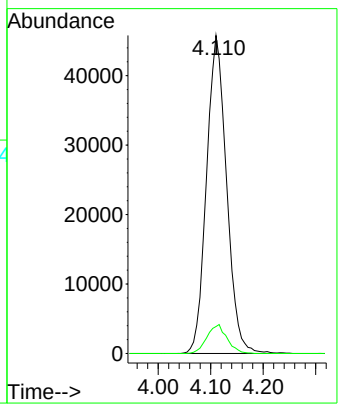




#17
Carbon Disulfide
Concen: 16.120 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 76 Resp: 121614

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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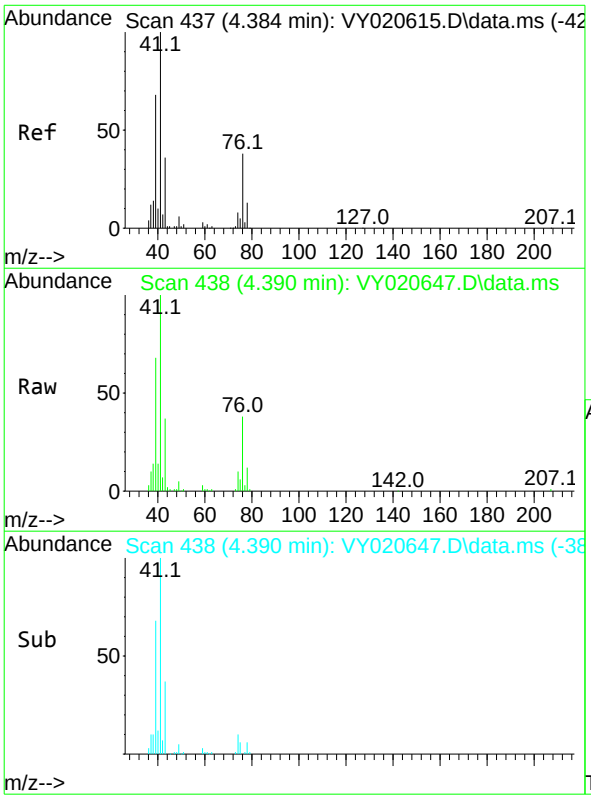
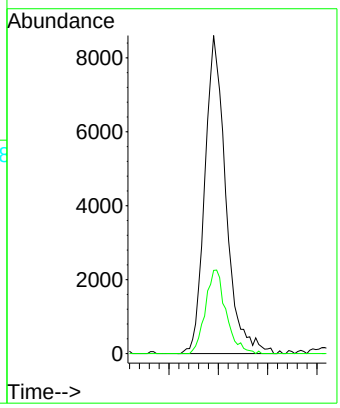
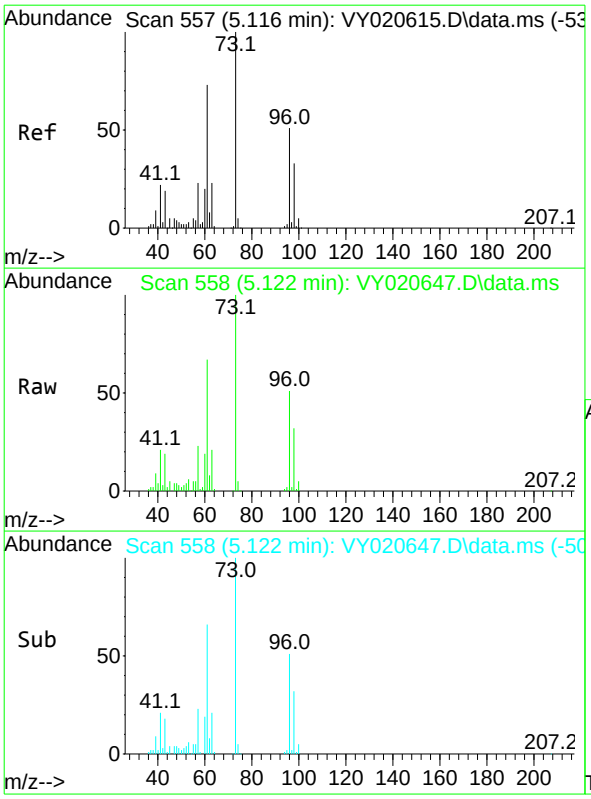


#18
Methyl Acetate
Concen: 18.503 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 25492

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.2	28.8

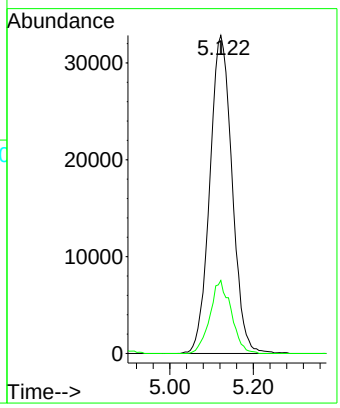




#19
Methyl tert-butyl Ether
Concen: 20.364 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 73 Resp: 121819

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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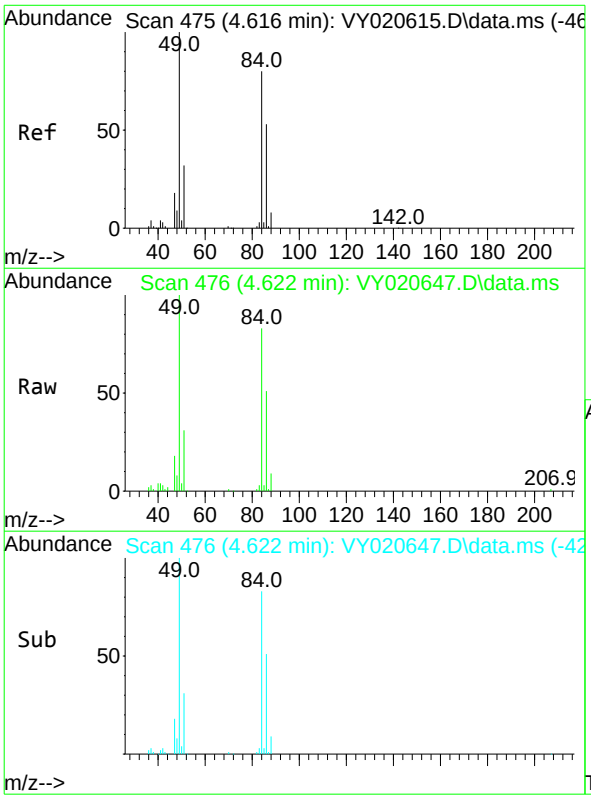
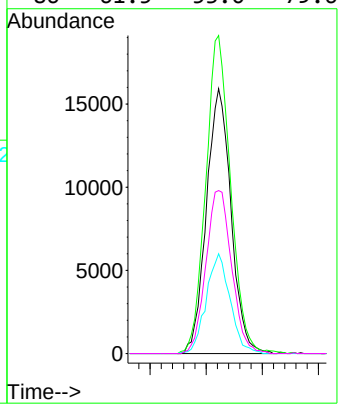
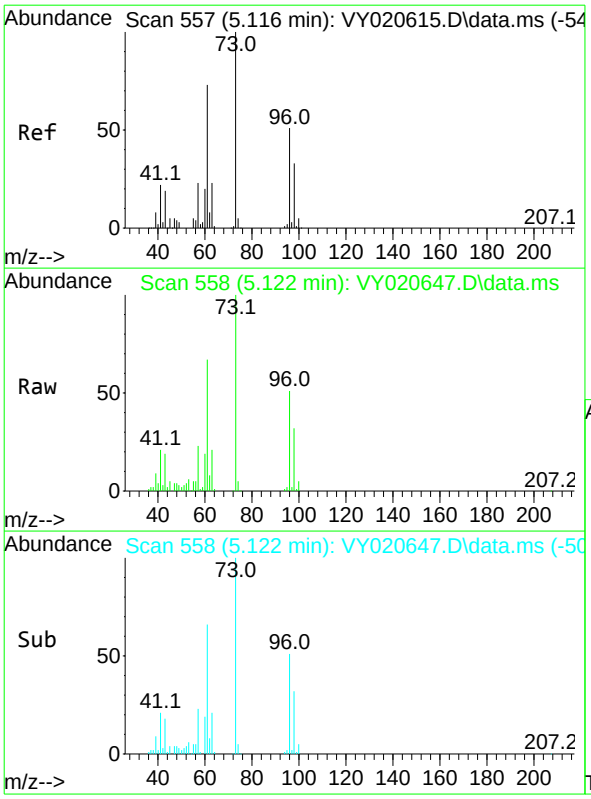


#20
Methylene Chloride
Concen: 19.271 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 84 Resp: 48520

Ion	Ratio	Lower	Upper
84	100		
49	120.1	100.7	151.1
51	37.7	32.2	48.2
86	61.5	53.0	79.6

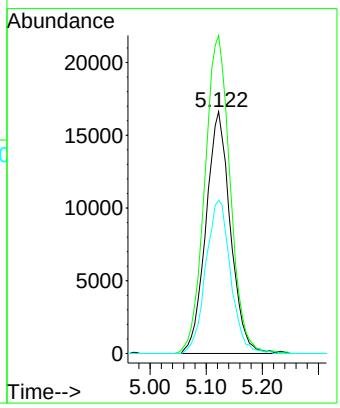




#21
trans-1,2-Dichloroethene
Concen: 19.371 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 96 Resp: 50361

Ion	Ratio	Lower	Upper
96	100		
61	131.2	113.7	170.5
98	63.4	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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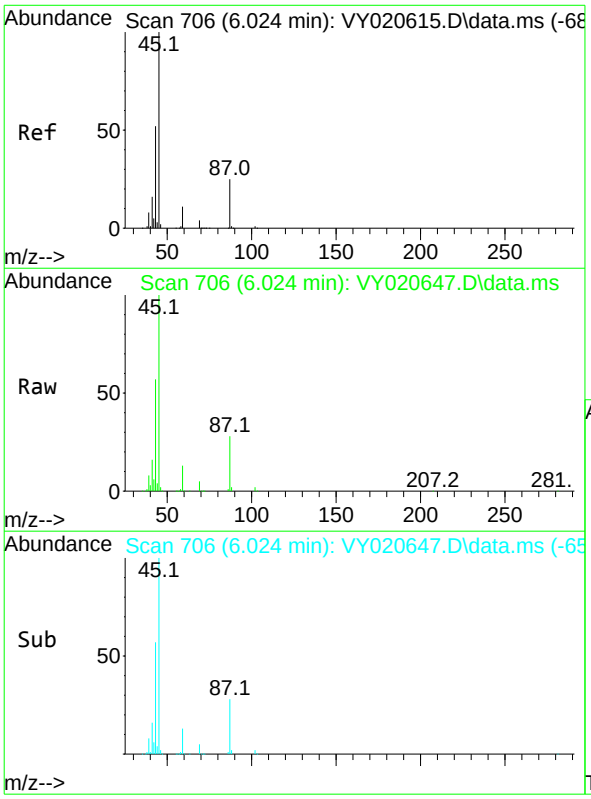
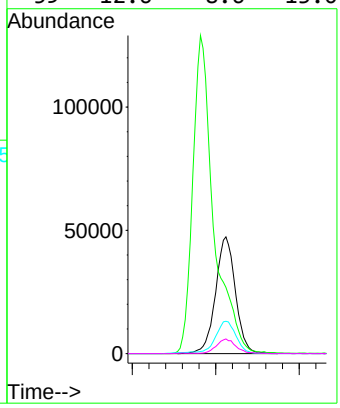
Supervised By :Semsettin Yesilyurt 12/20/2024

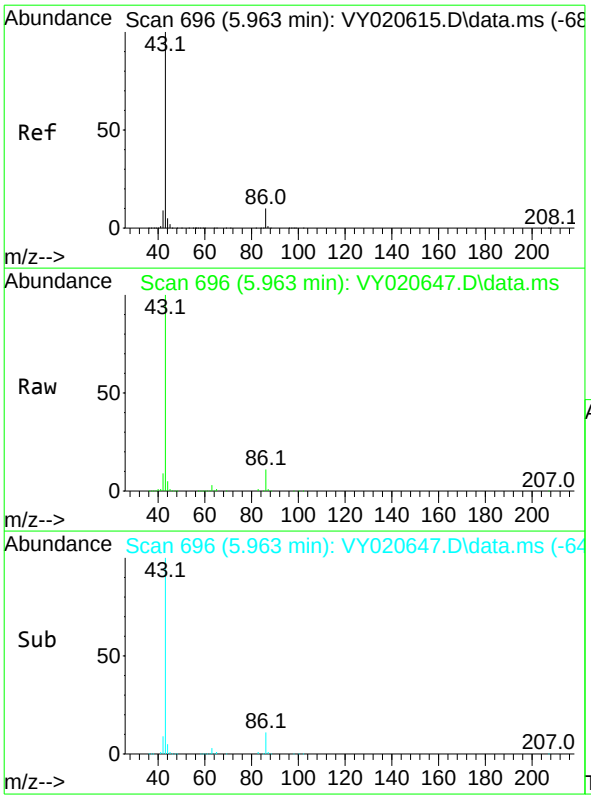


#22
Diisopropyl ether
Concen: 19.014 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 45 Resp: 156745

Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.6	64.0
87	27.7	20.6	31.0
59	12.6	8.6	13.0





#23
Vinyl Acetate
Concen: 95.902 ug/l
RT: 5.963 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 447758

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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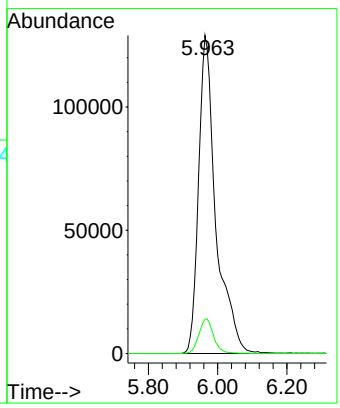
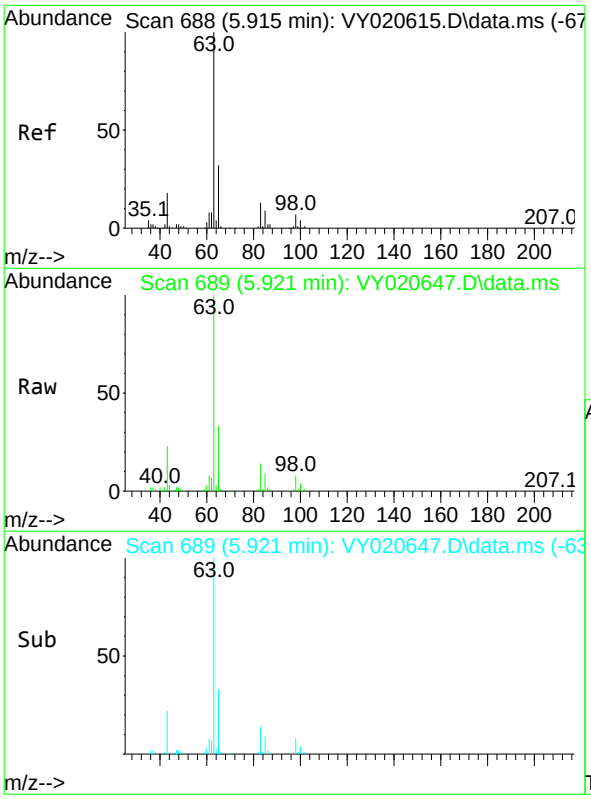
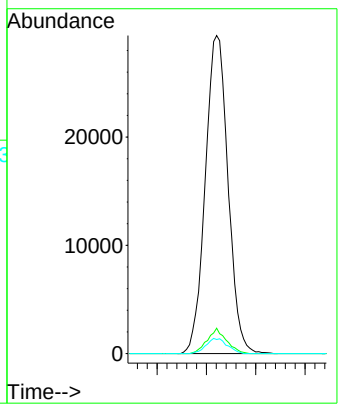


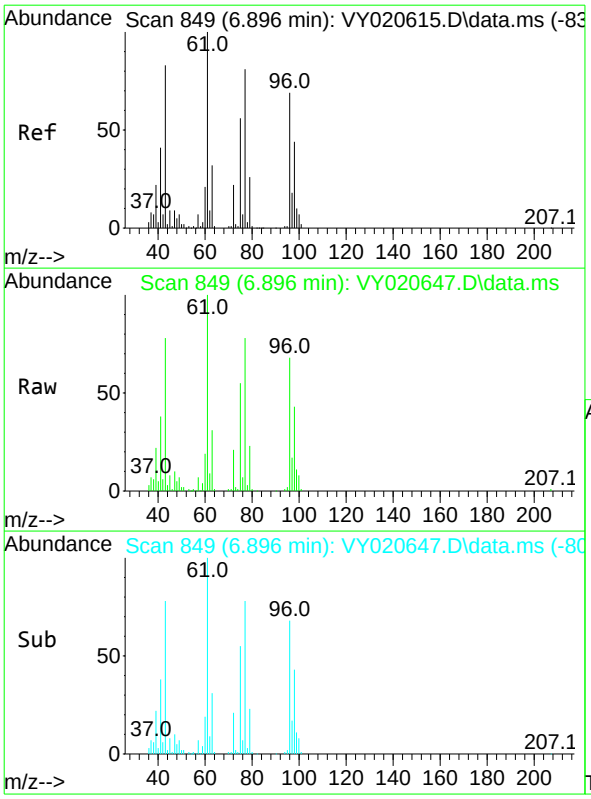


#24
1,1-Dichloroethane
Concen: 19.500 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 94173

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 99.075 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 74559

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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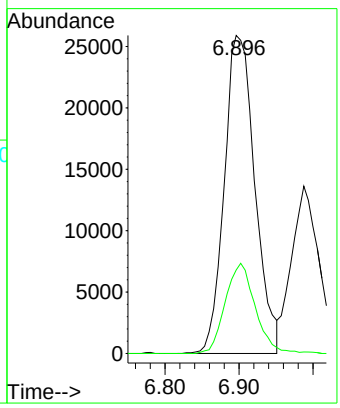
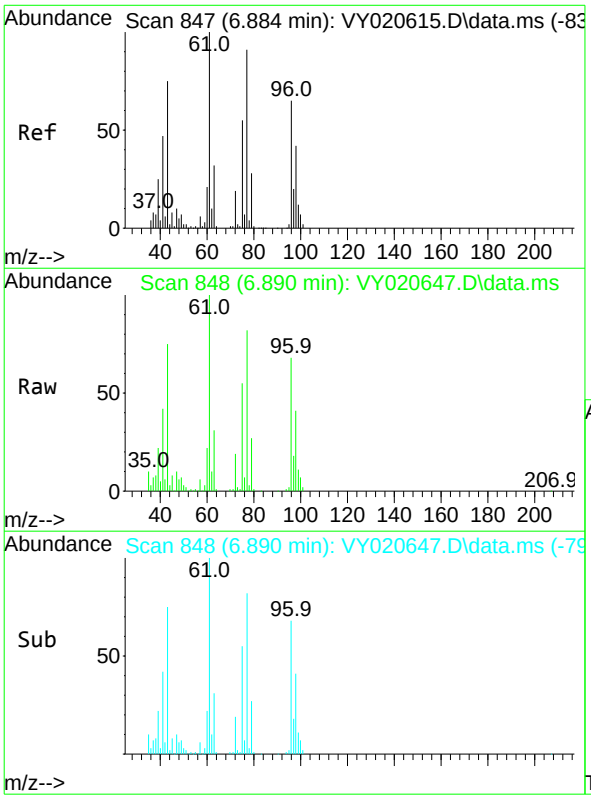
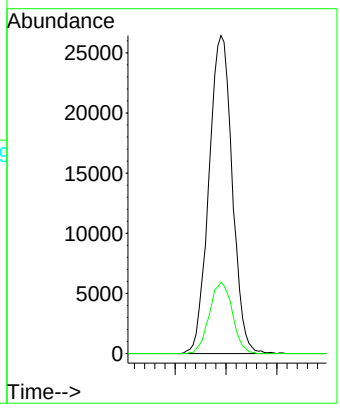


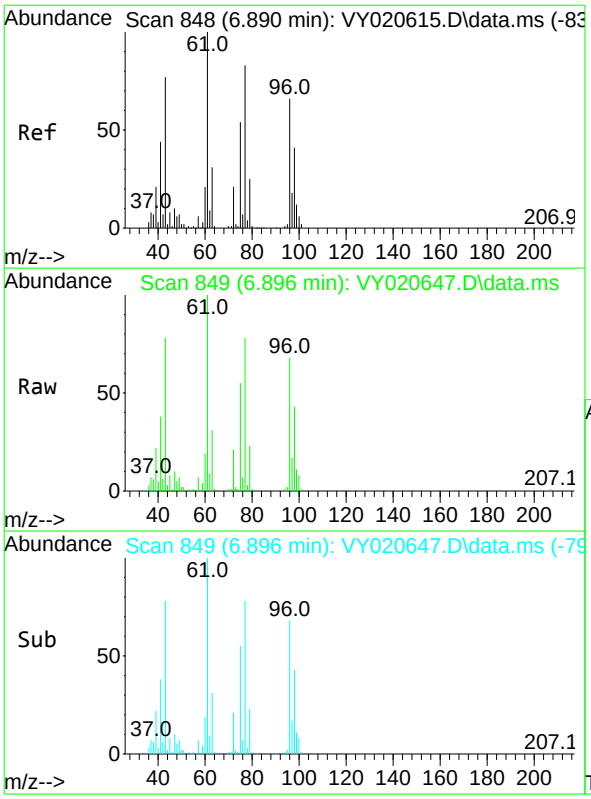


#26
2,2-Dichloropropane
Concen: 18.466 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 77 Resp: 84303

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 21.345 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 96 Resp: 63846

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	306.2
98	62.8	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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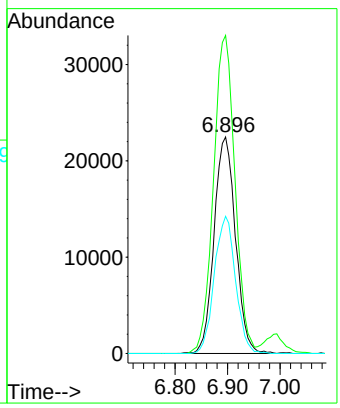
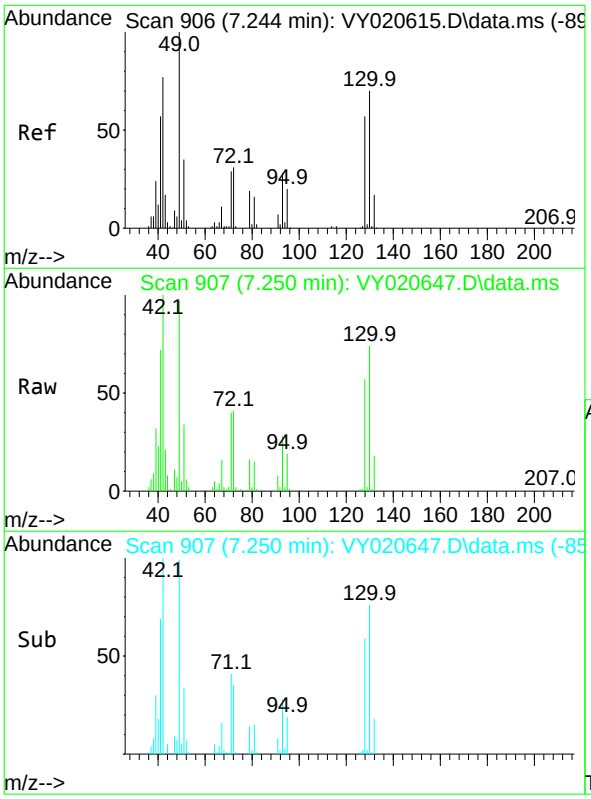
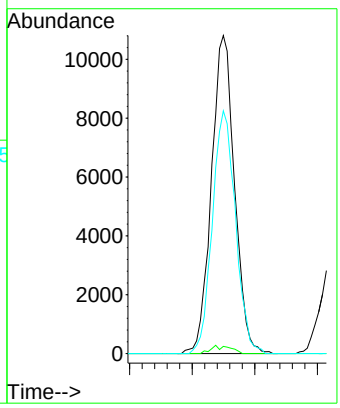


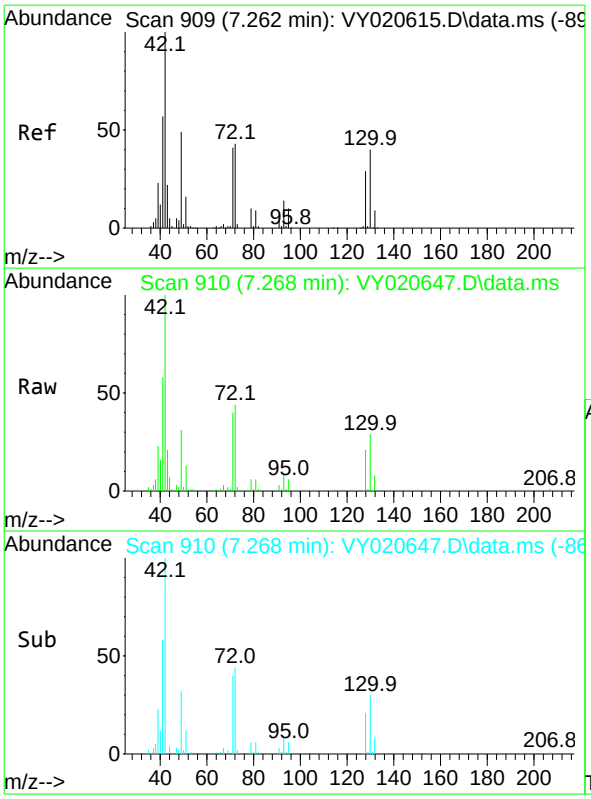


#28
Bromochloromethane
Concen: 16.994 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 49 Resp: 27683

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	76.5	58.3	87.5





#29
Tetrahydrofuran
Concen: 105.321 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 42 Resp: 50035

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.0	51.0
71	40.9	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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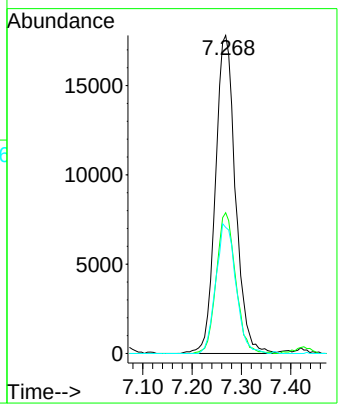
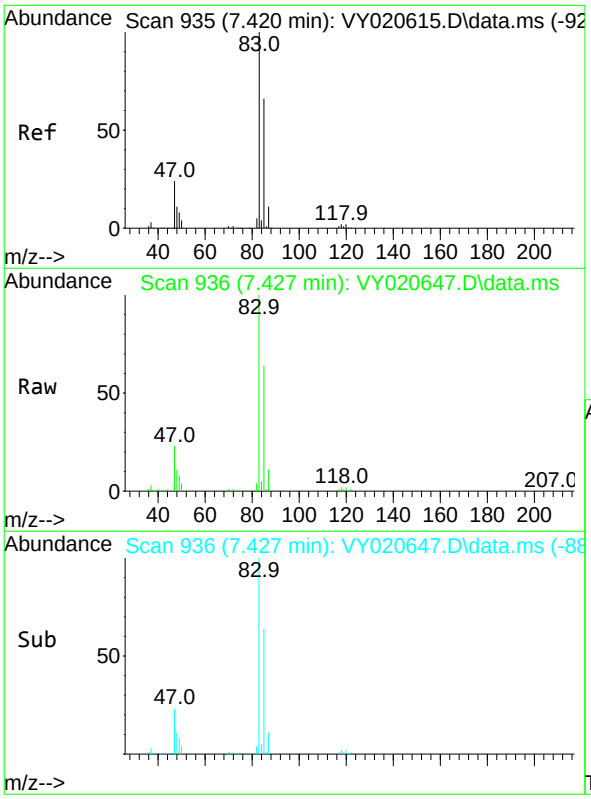
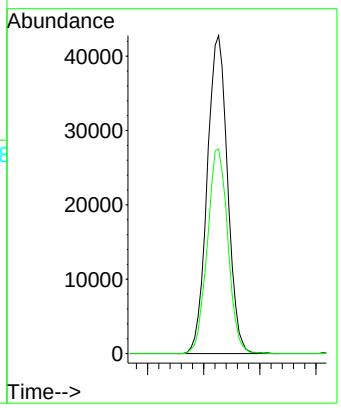


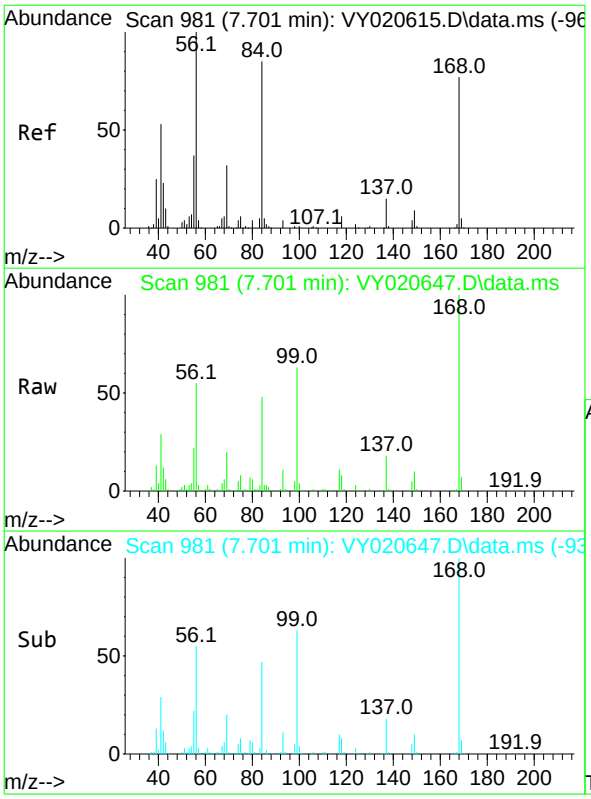


#30
Chloroform
Concen: 18.928 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 83 Resp: 107747

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.7	79.1

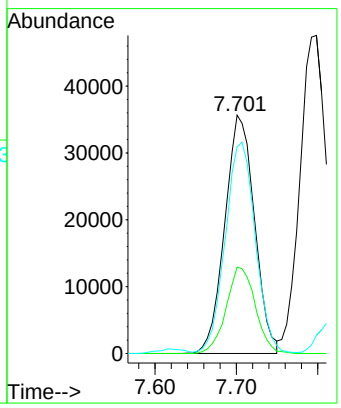




#31
Cyclohexane
Concen: 19.558 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 56 Resp: 90313

Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.4	38.0
84	85.1	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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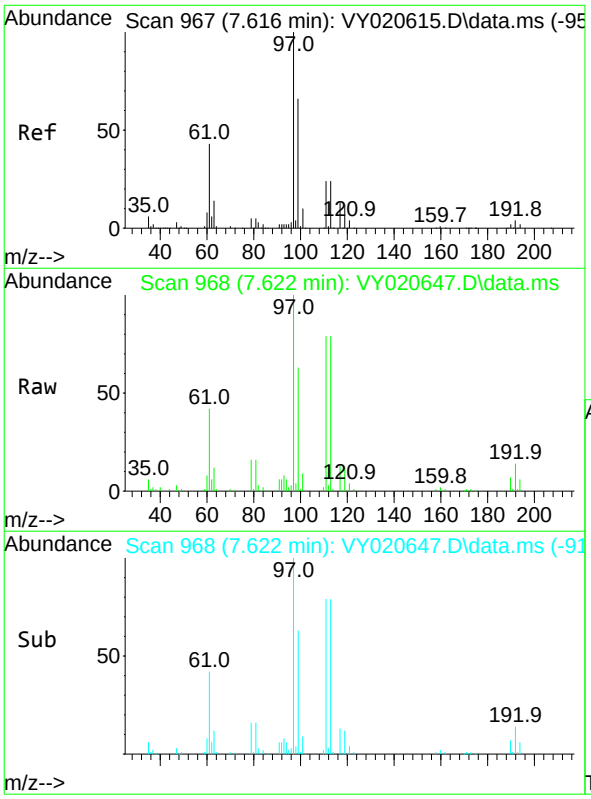
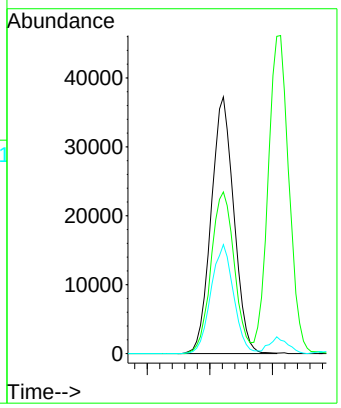
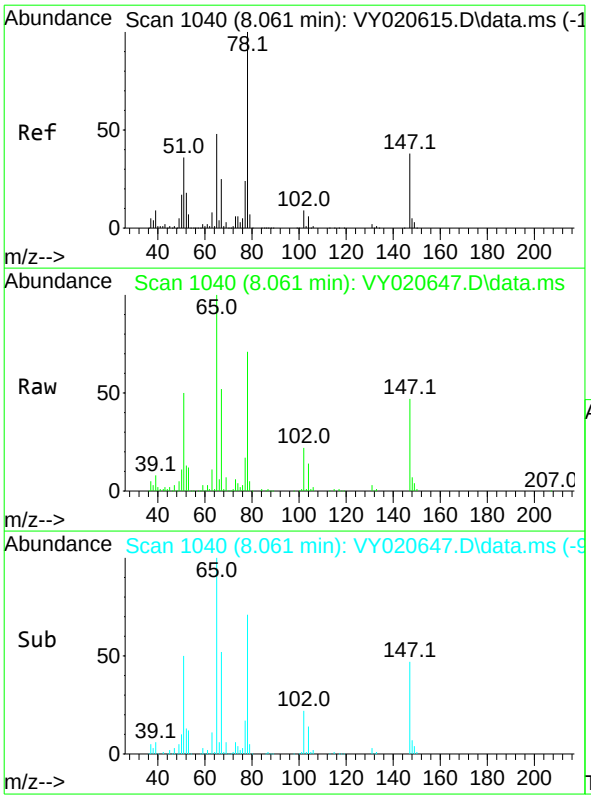


#32
1,1,1-Trichloroethane
Concen: 21.207 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 97 Resp: 94090

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.3	34.7	52.1

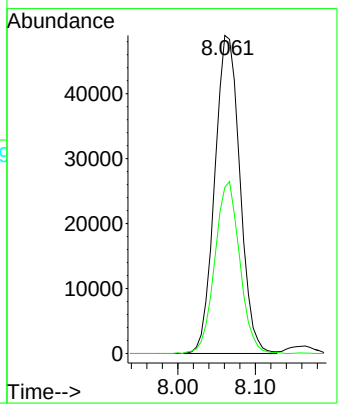




#33
1,2-Dichloroethane-d4
Concen: 54.498 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 65 Resp: 110359

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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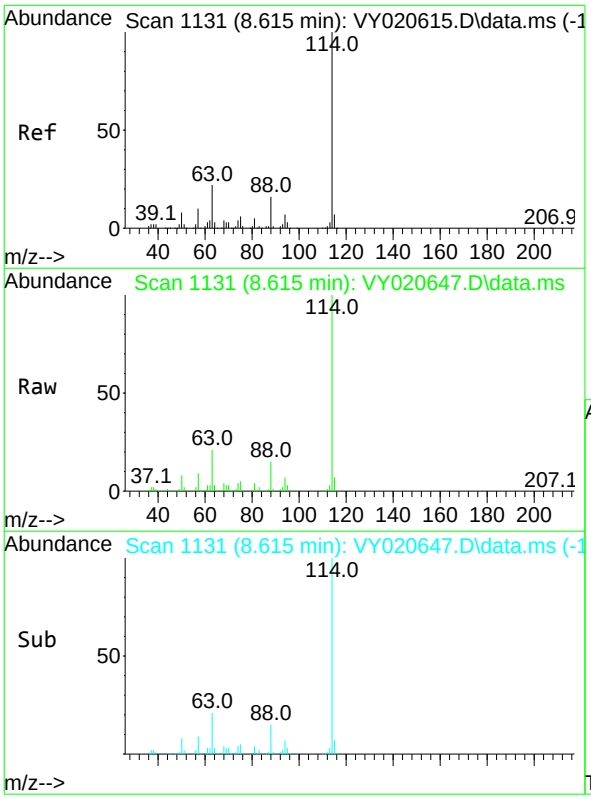
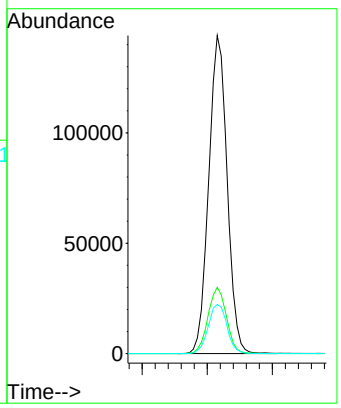
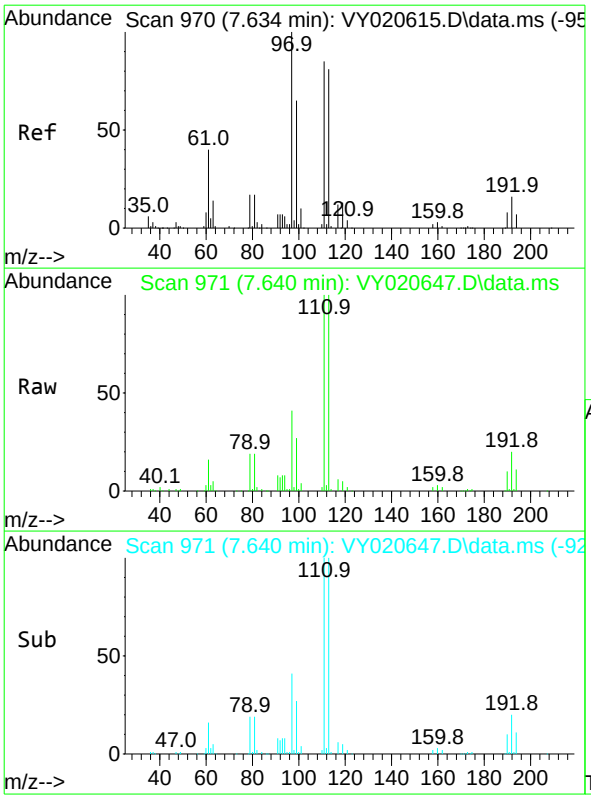


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:114 Resp: 283194

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	15.5	0.0	32.8





#35
Dibromofluoromethane
Concen: 55.520 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:113 Resp: 110812

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	20.3	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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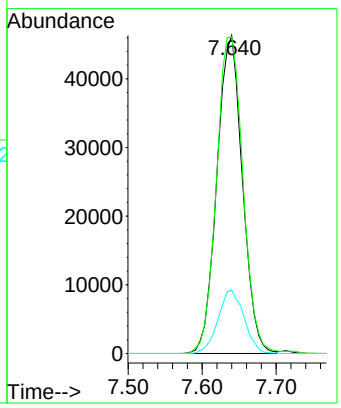
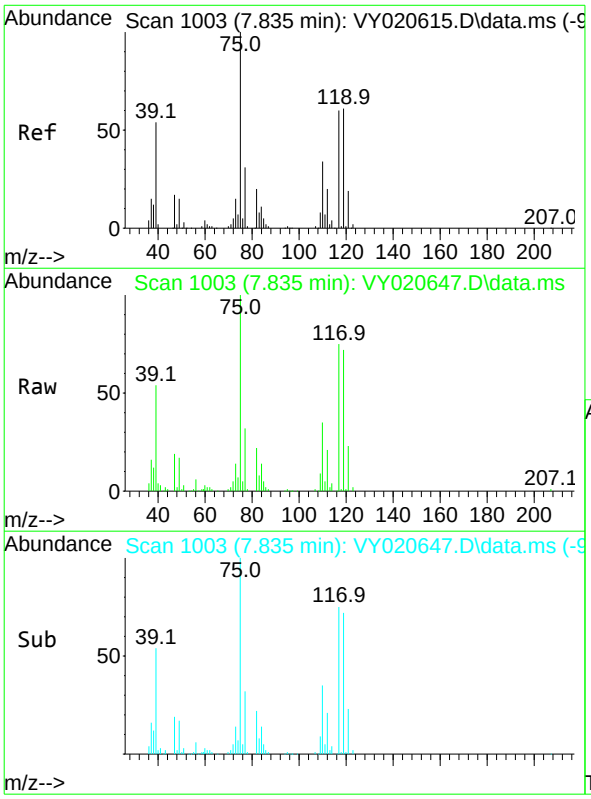
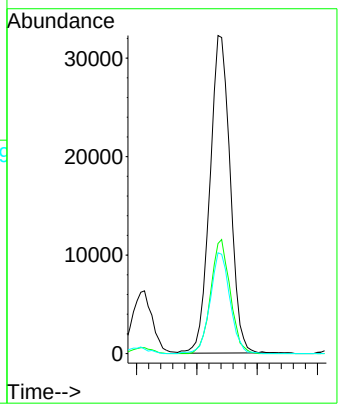


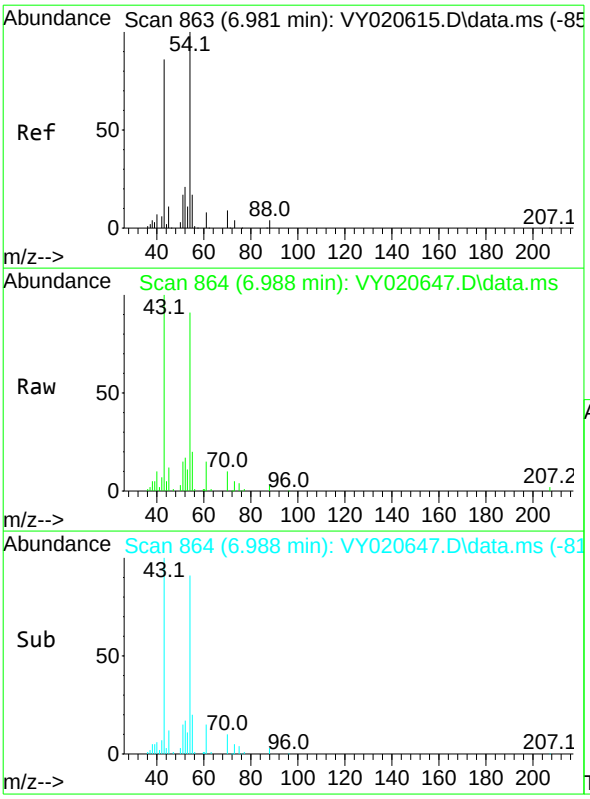


#36
1,1-Dichloropropene
Concen: 20.721 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 75411

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.1	25.0	37.6

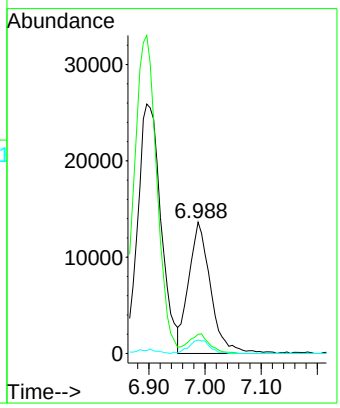




#37
Ethyl Acetate
Concen: 21.671 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 37099

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.7	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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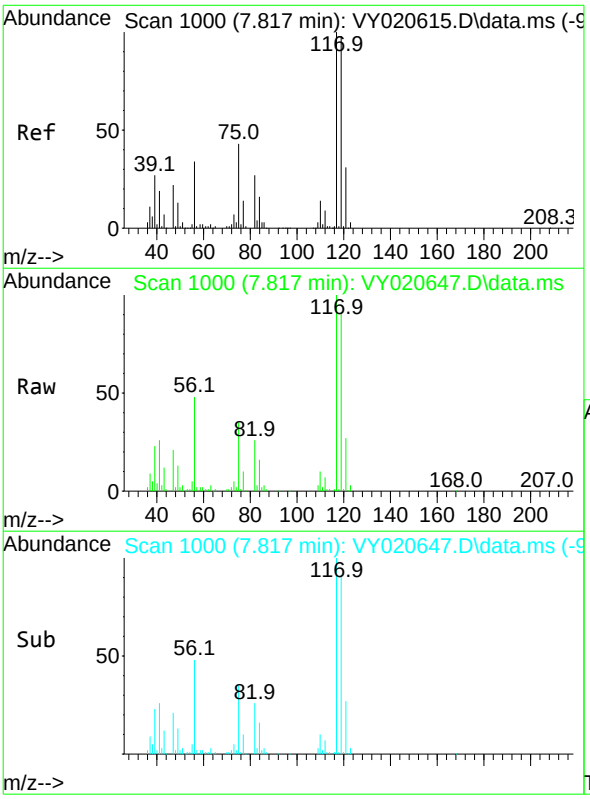
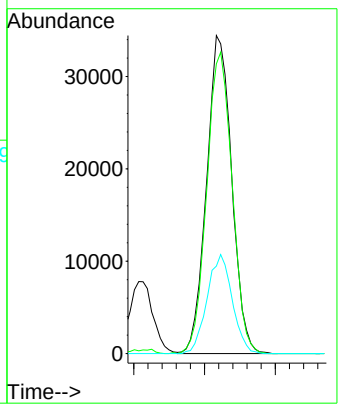
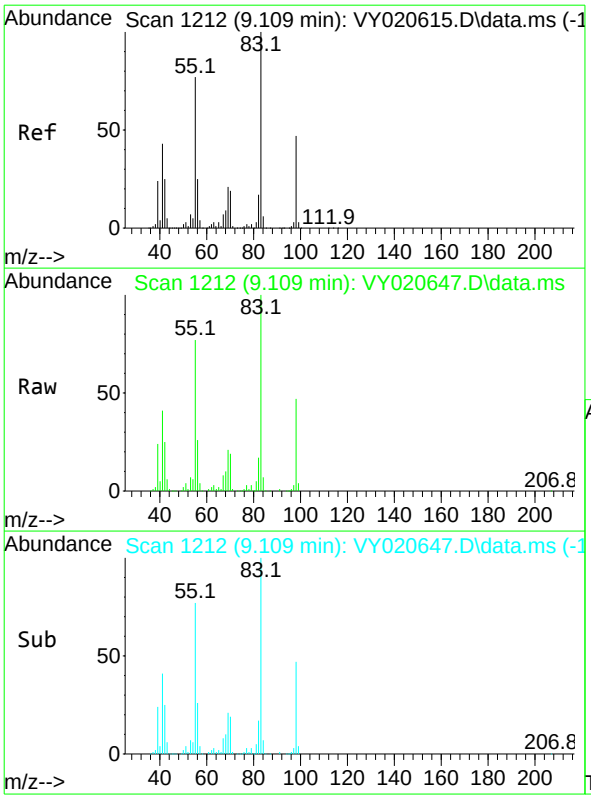


#38
Carbon Tetrachloride
Concen: 21.119 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:117 Resp: 85038

Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.3	117.5
121	27.5	25.1	37.7





#39
Methylcyclohexane
Concen: 20.236 ug/l
RT: 9.109 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 83 Resp: 95987

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.4	92.0
98	46.6	37.3	55.9

Manual Integrations
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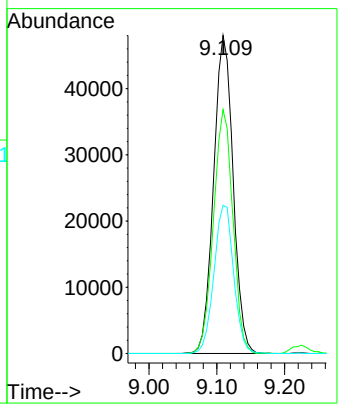
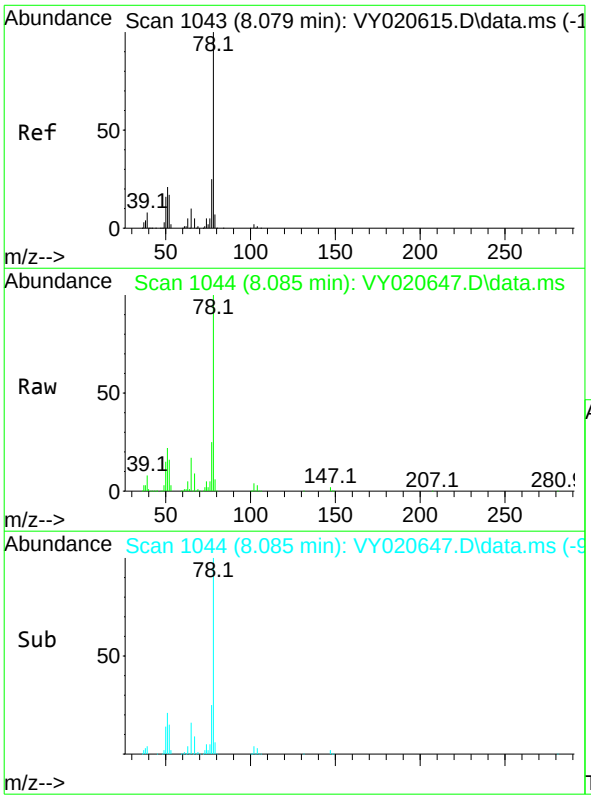
Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

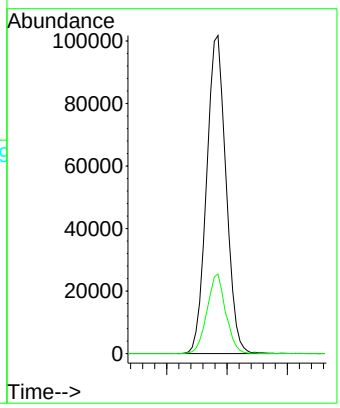


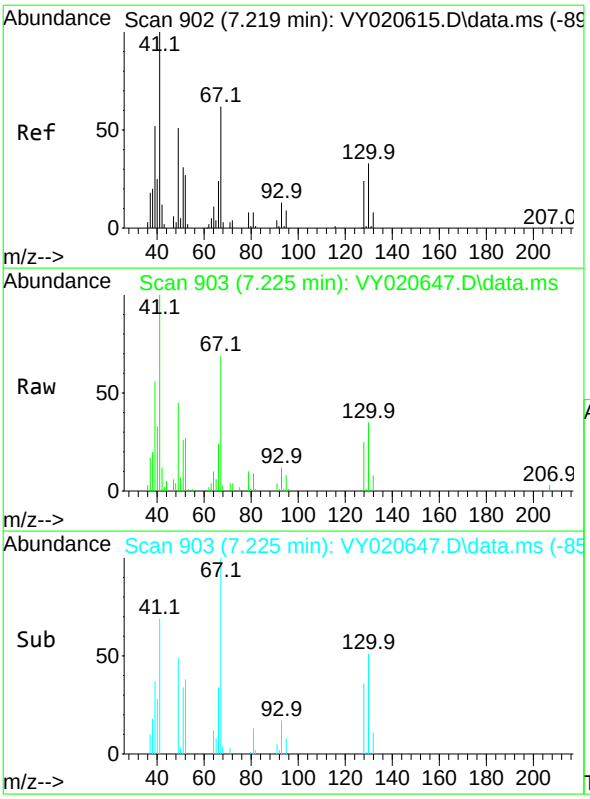


#40
Benzene
Concen: 21.371 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 78 Resp: 227976

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1

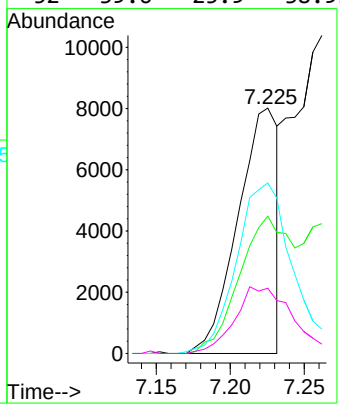




#41
Methacrylonitrile
Concen: 16.803 ug/l
RT: 7.225 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 41 Resp: 15207

Ion	Ratio	Lower	Upper
41	100		
39	71.7	53.6	80.4
67	98.0	62.0	93.0#
52	39.6	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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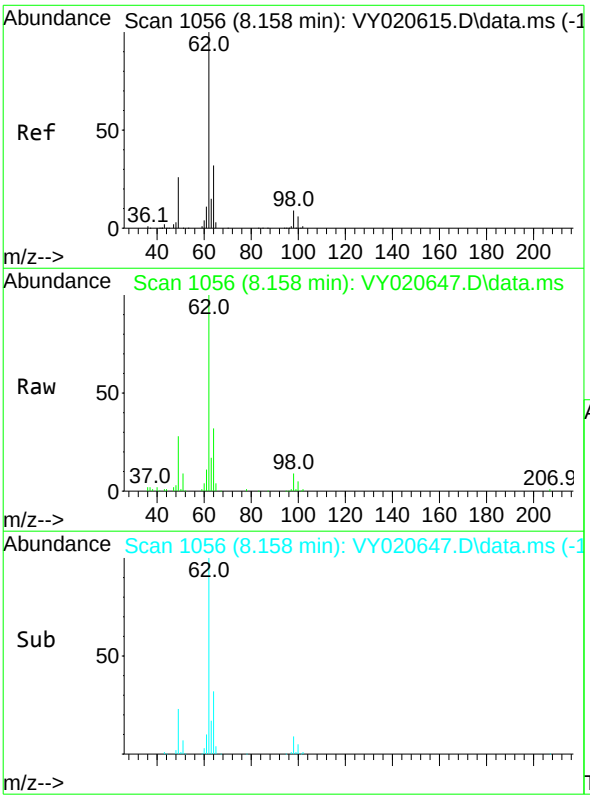
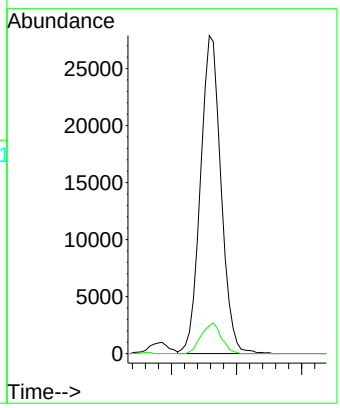
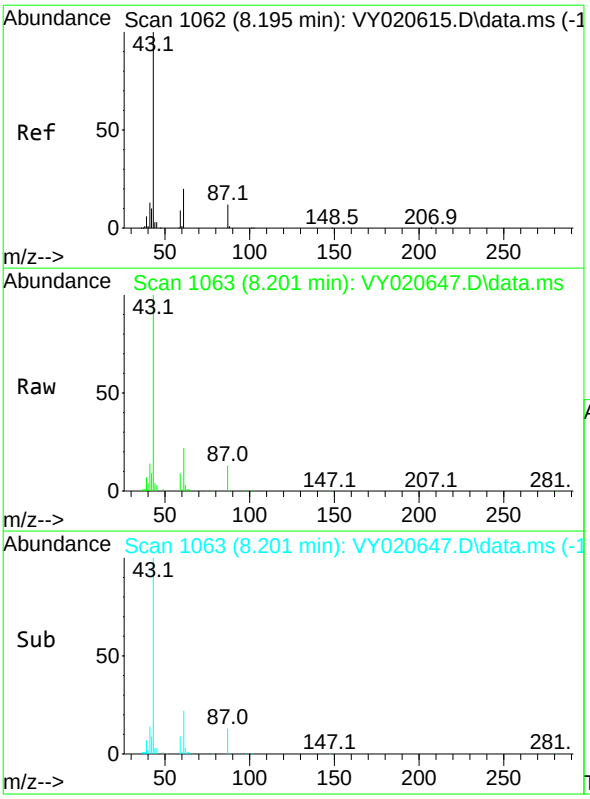


#42
1,2-Dichloroethane
Concen: 21.617 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 62 Resp: 61160

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43
Isopropyl Acetate
Concen: 21.441 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 69490

Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.8	35.6
87	13.4	10.2	15.4

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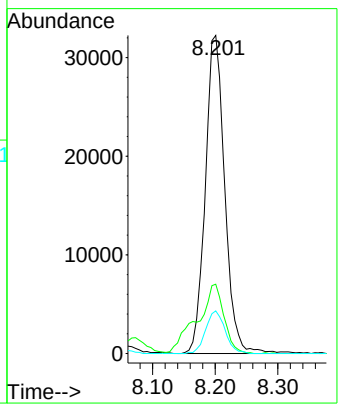
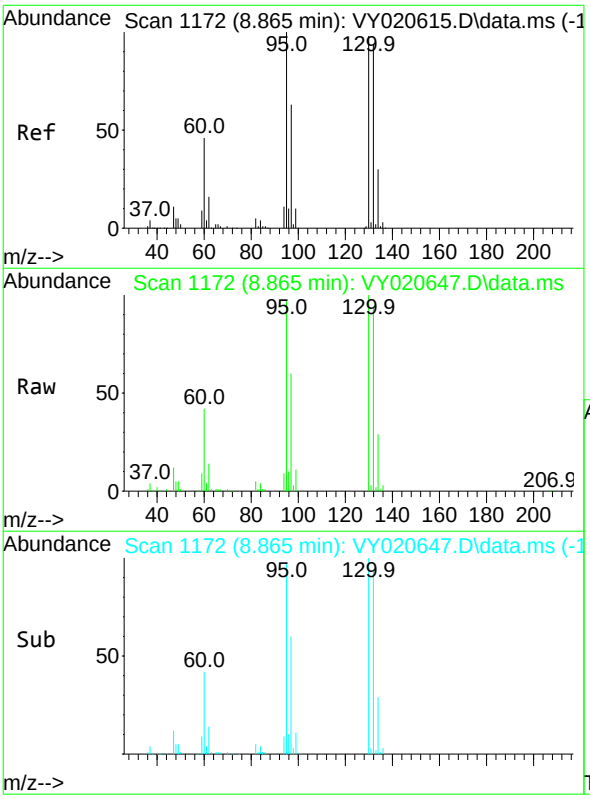
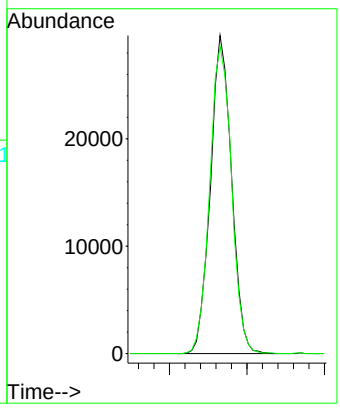


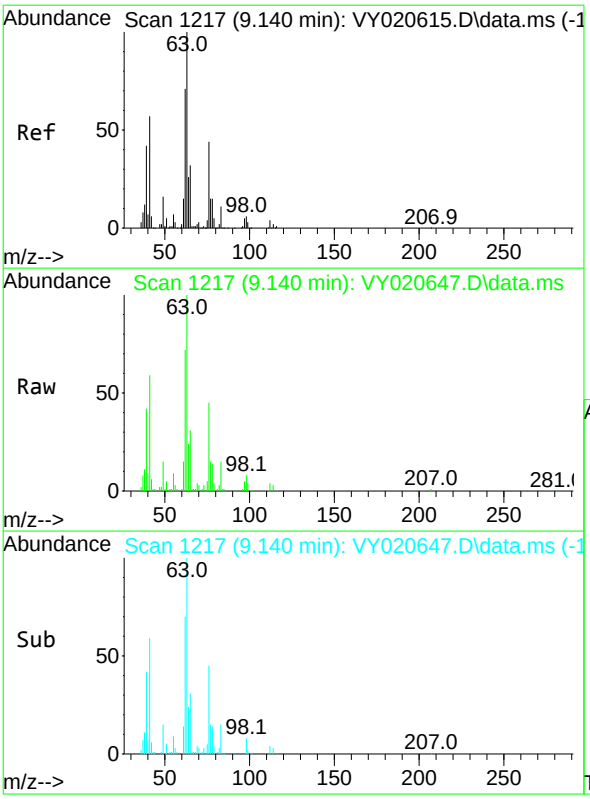


#44
Trichloroethene
Concen: 21.384 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:130 Resp: 56052

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	203.2





#45
1,2-Dichloropropane
Concen: 21.857 ug/l
RT: 9.140 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 54493

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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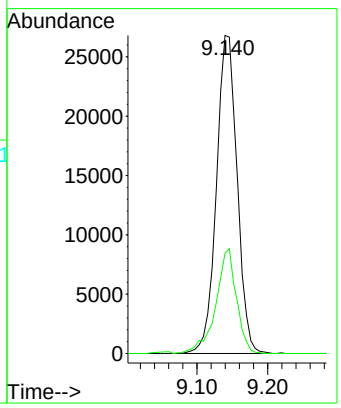
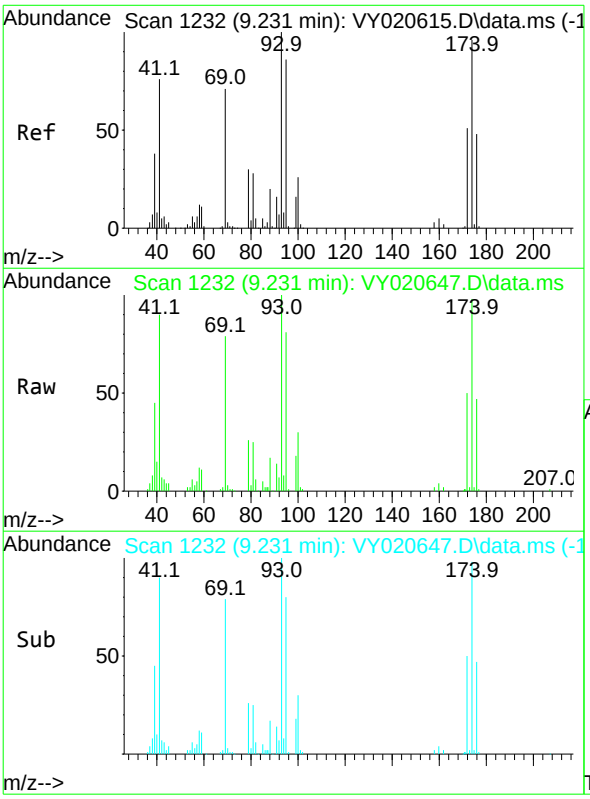
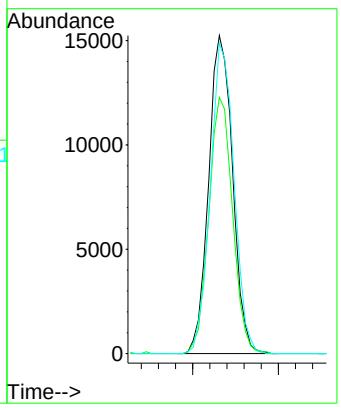


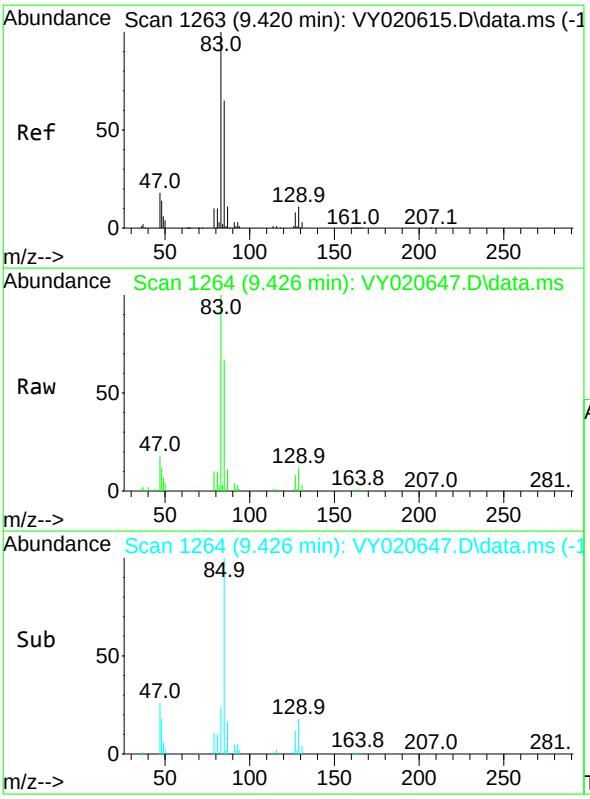


#46
Dibromomethane
Concen: 22.464 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 93 Resp: 29599

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.7	100.1
174	96.5	77.8	116.6

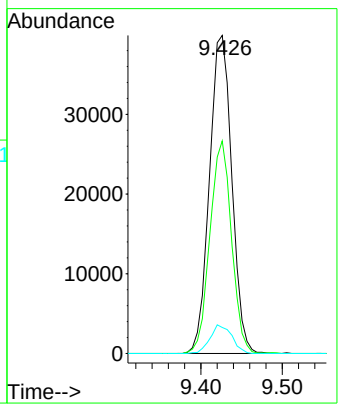




#47
Bromodichloromethane
Concen: 21.413 ug/l
RT: 9.426 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 83 Resp: 76212

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.1	78.1
127	8.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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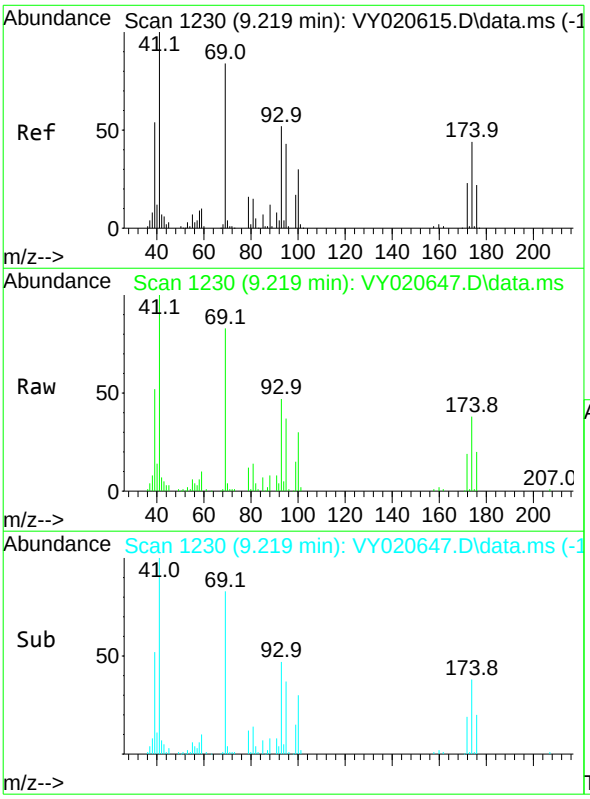
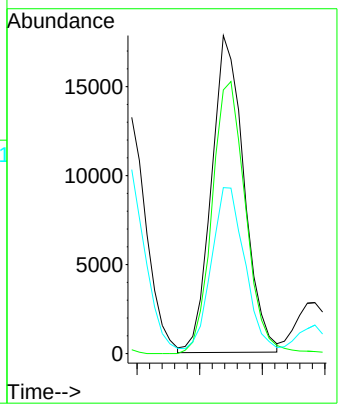
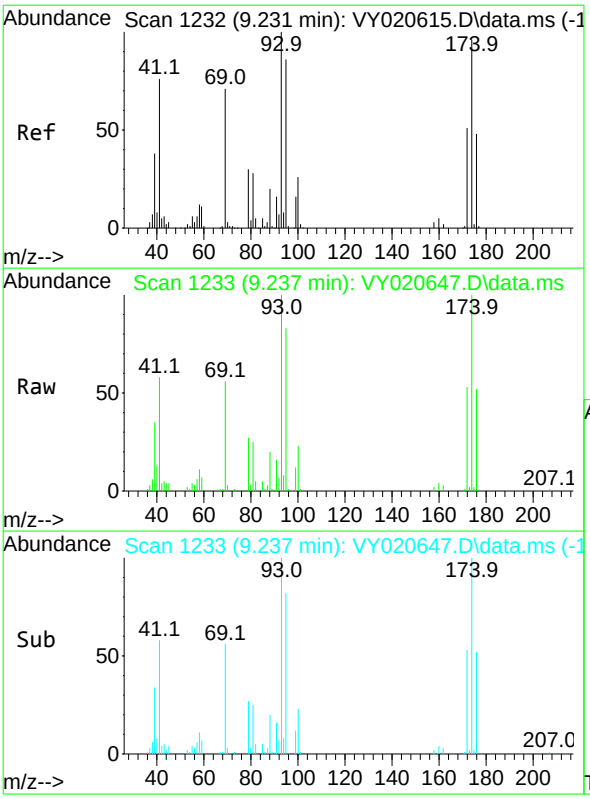


#48
Methyl methacrylate
Concen: 20.890 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 41 Resp: 32186

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.2	100.8
39	51.3	42.2	63.4





#49
1,4-Dioxane
Concen: 459.147 ug/l
RT: 9.237 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 88 Resp: 6938

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.6	41.4
58	75.2	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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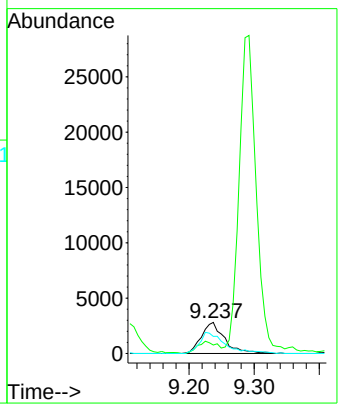
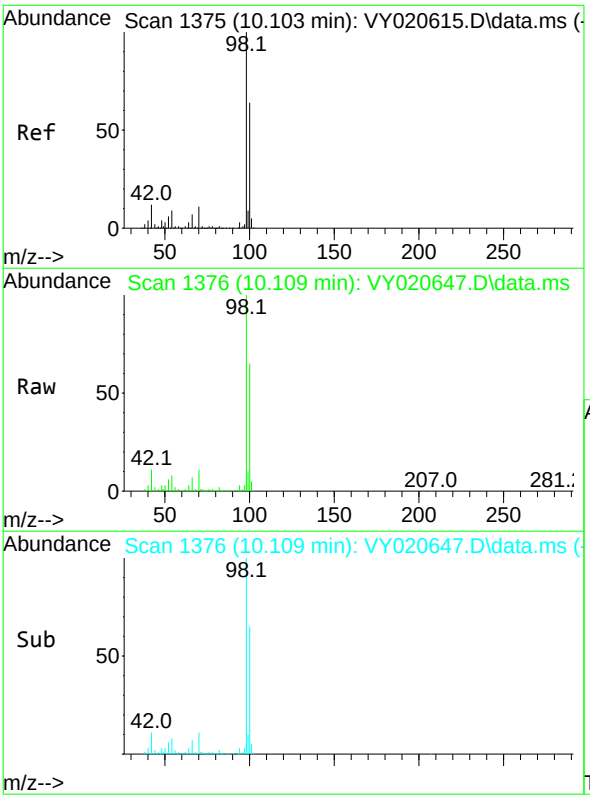
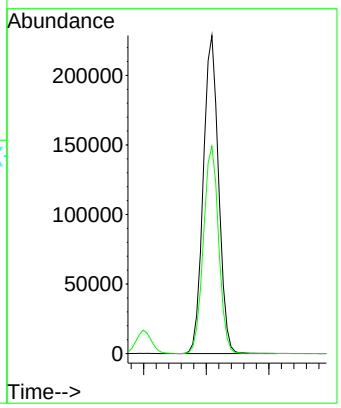


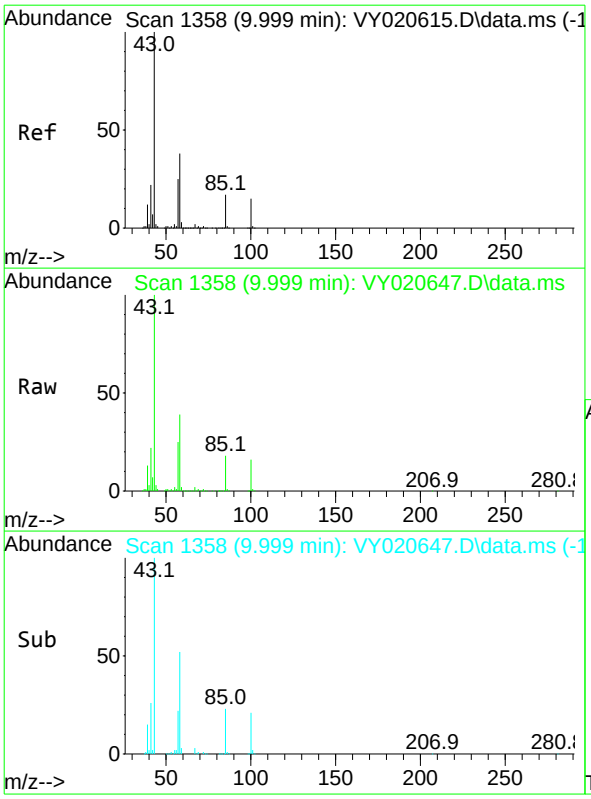


#50
Toluene-d8
Concen: 55.554 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 98 Resp: 388095

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 105.942 ug/l
RT: 9.999 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 181234

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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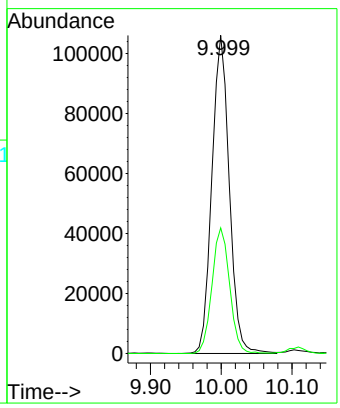
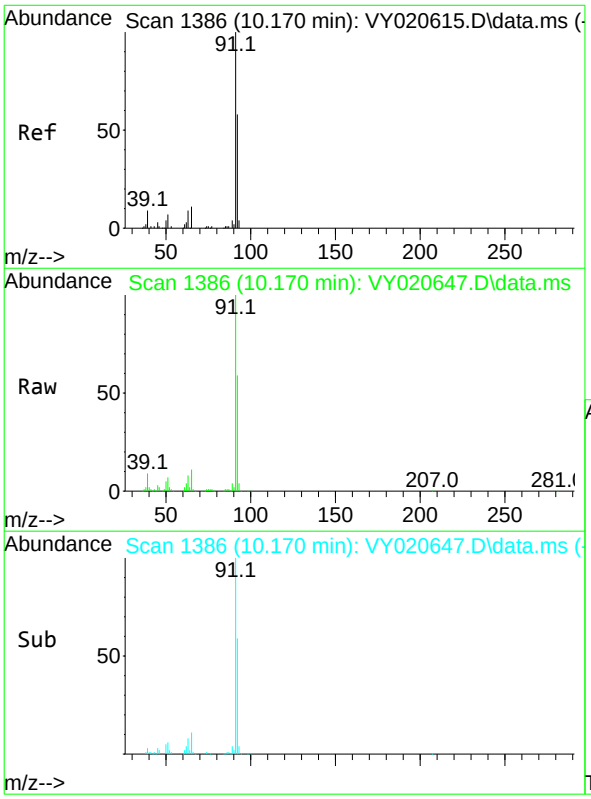
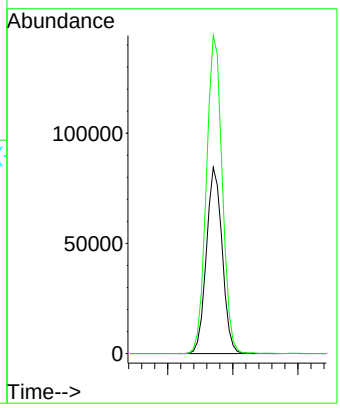


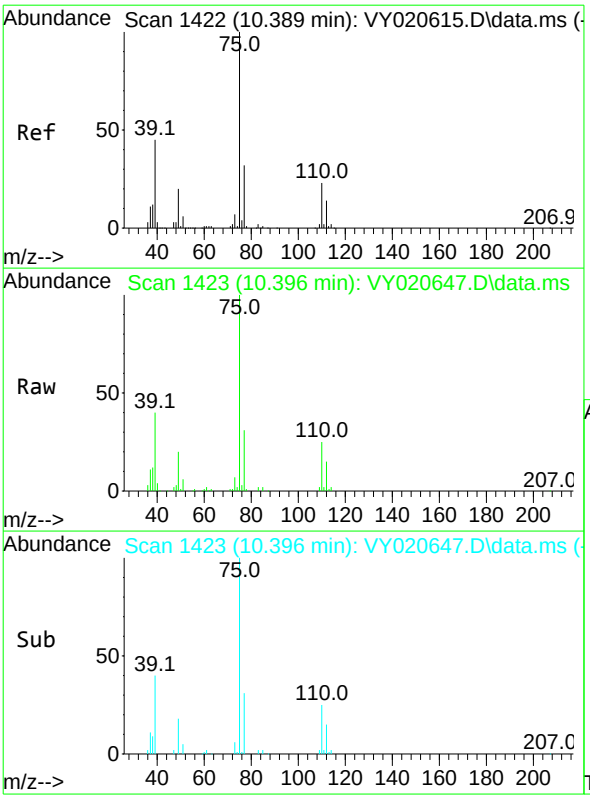


#52
Toluene
Concen: 21.454 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 92 Resp: 142231

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0

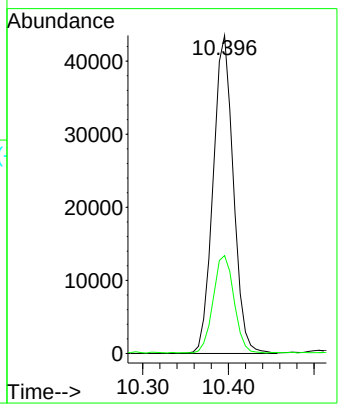




#53
t-1,3-Dichloropropene
Concen: 21.532 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 71410

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
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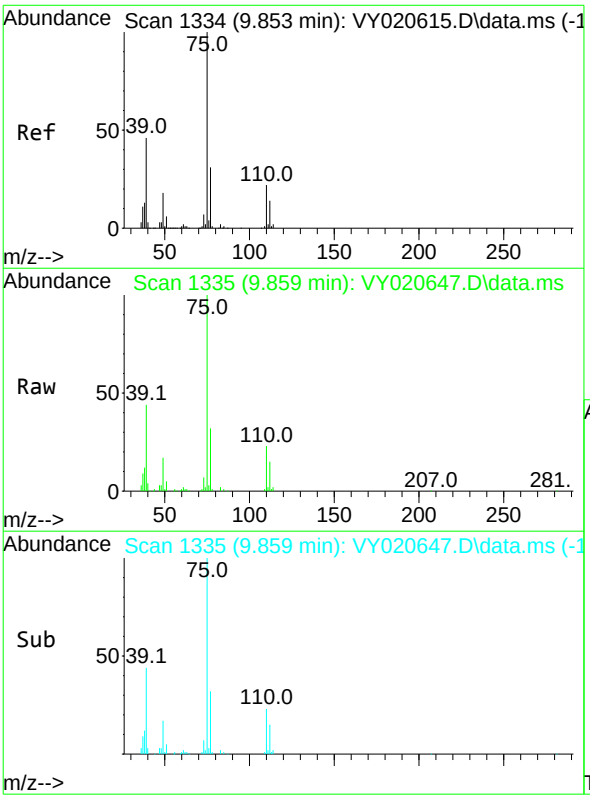
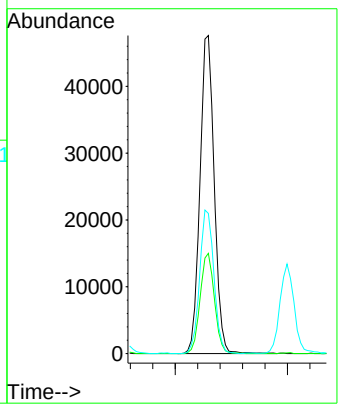
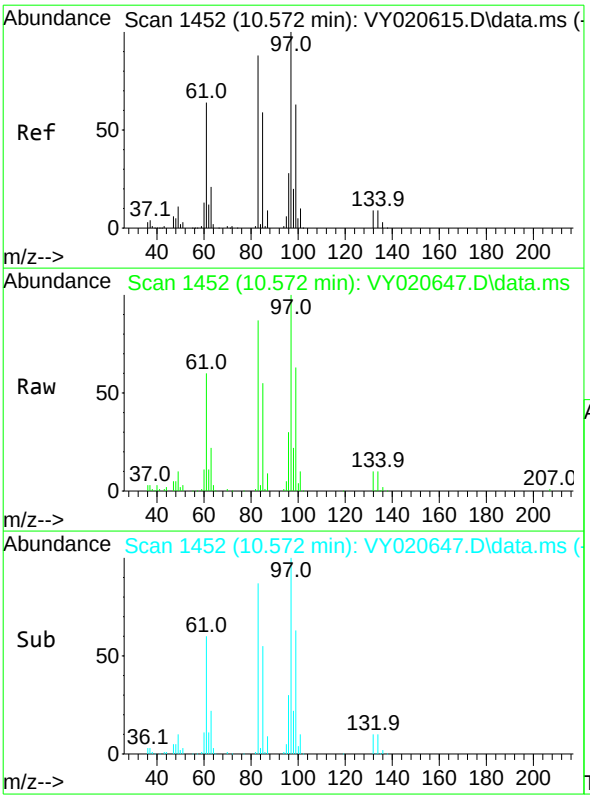


#54
cis-1,3-Dichloropropene
Concen: 21.381 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 84026

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	44.1	36.4	54.6

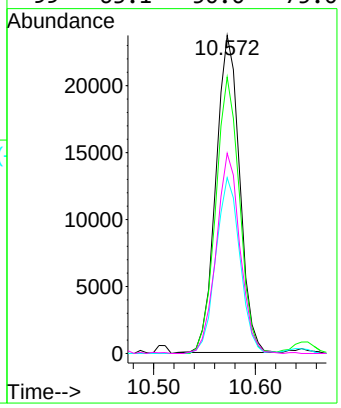




#55
1,1,2-Trichloroethane
Concen: 21.995 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 97 Resp: 38316

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	55.5	47.2	70.8
99	63.1	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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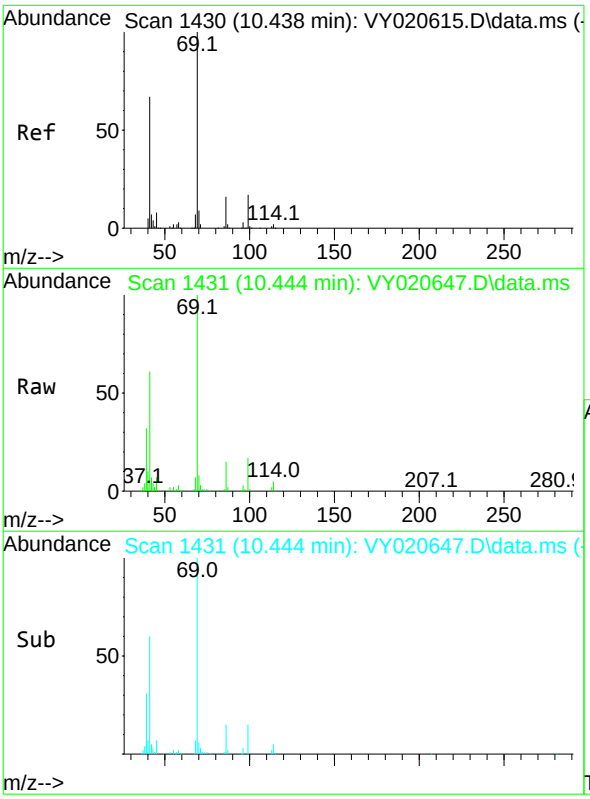
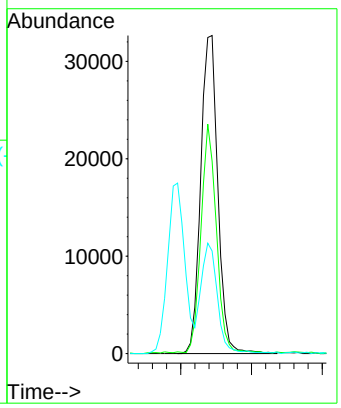
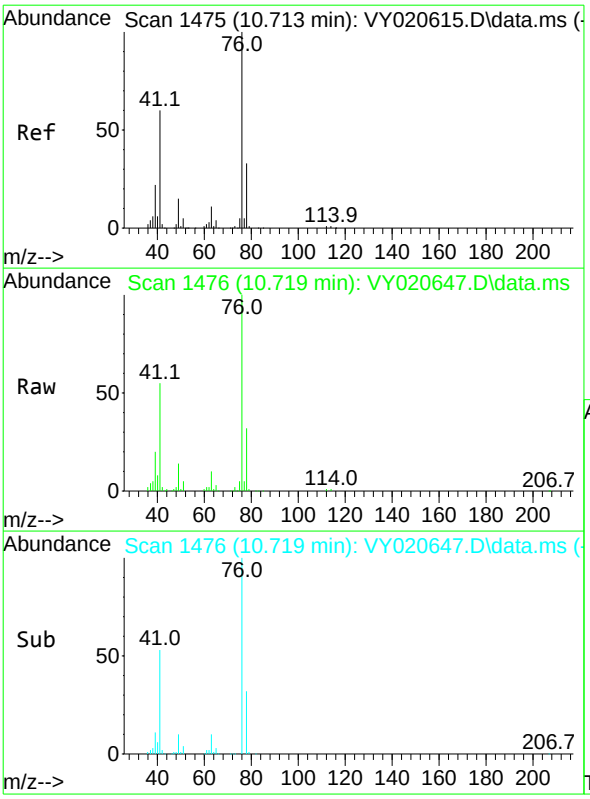


#56
Ethyl methacrylate
Concen: 21.762 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 69 Resp: 54998

Ion	Ratio	Lower	Upper
69	100		
41	64.3	54.0	81.0
39	33.3	27.9	41.9





#57
1,3-Dichloropropane
Concen: 22.270 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 76 Resp: 69158

Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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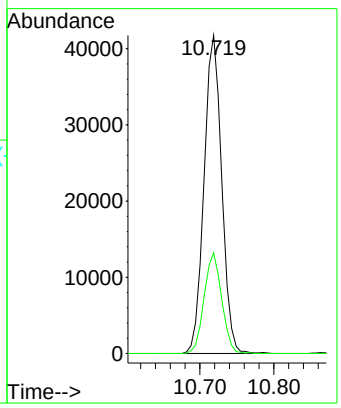
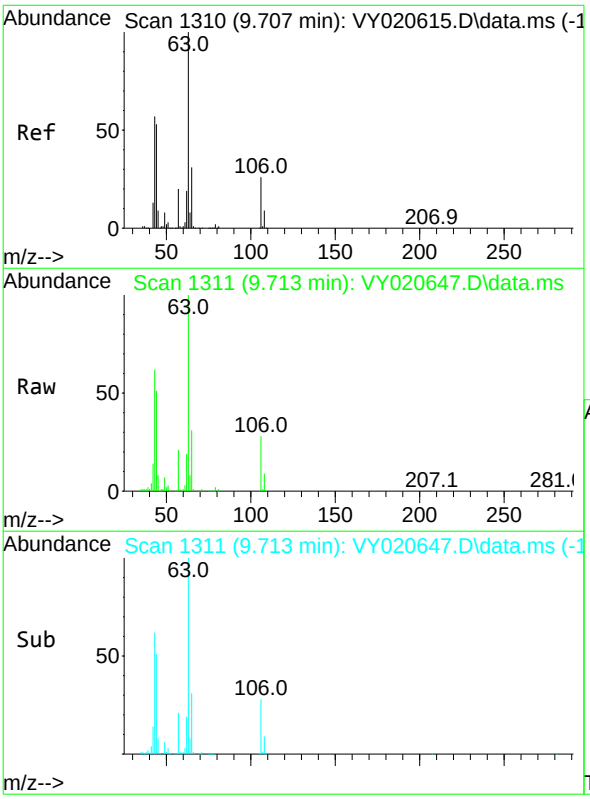
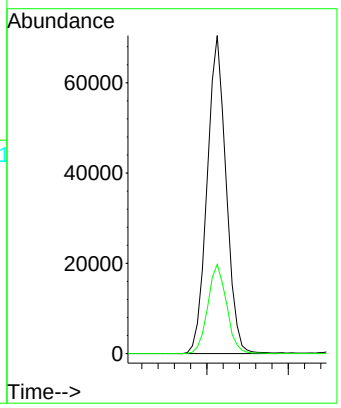


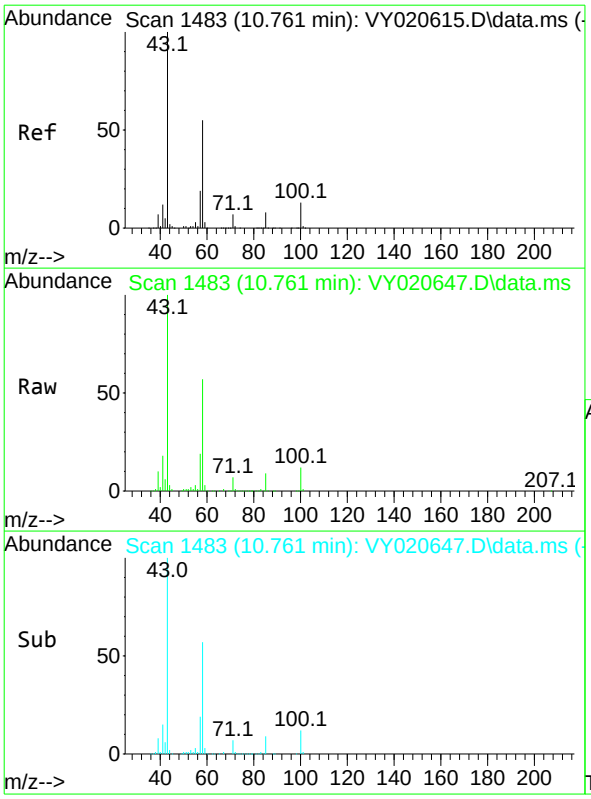


#58
2-Chloroethyl Vinyl ether
Concen: 107.175 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 113969

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.5	32.3





#59
2-Hexanone
Concen: 105.263 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 115614

Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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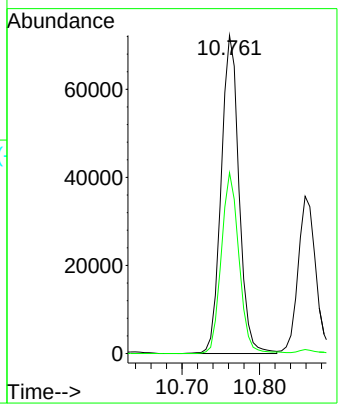
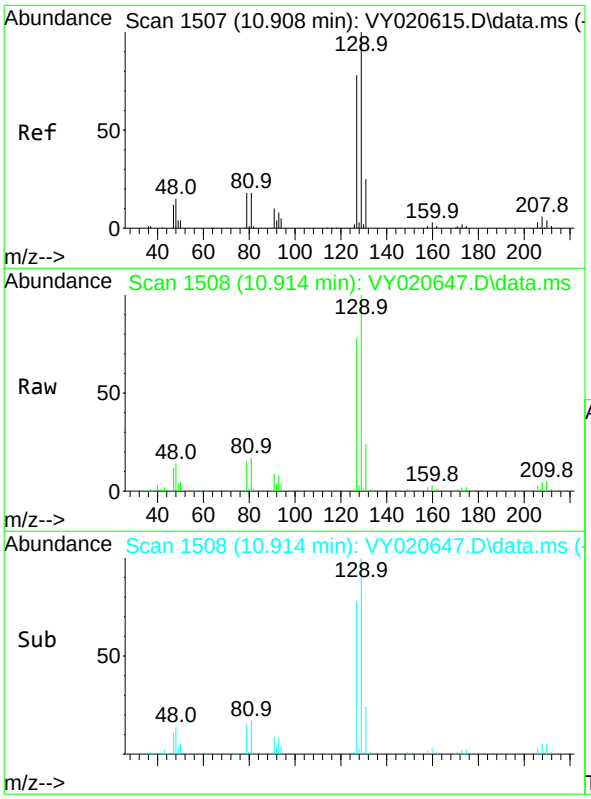
Supervised By :Semsettin Yesilyurt 12/20/2024

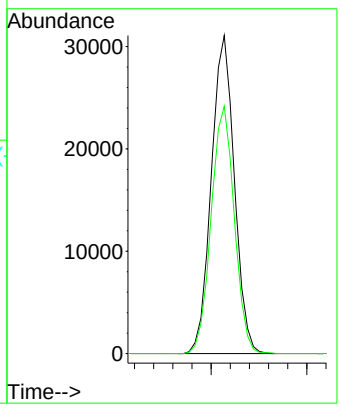


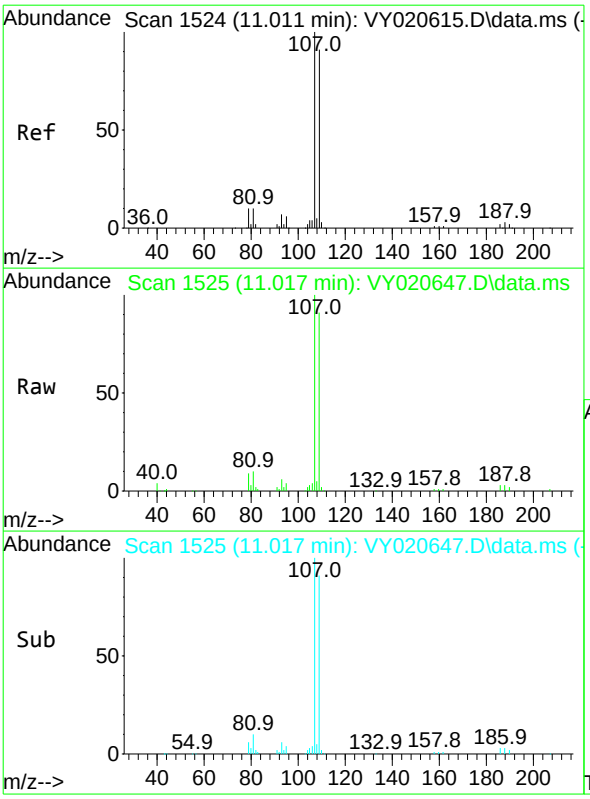


#60
Dibromochloromethane
Concen: 22.297 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:129 Resp: 51946

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.1	114.3





#61
1,2-Dibromoethane
Concen: 22.758 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:107 Resp: 36878

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
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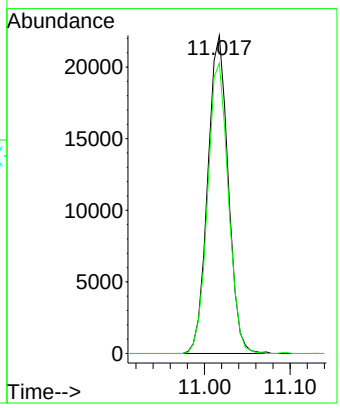
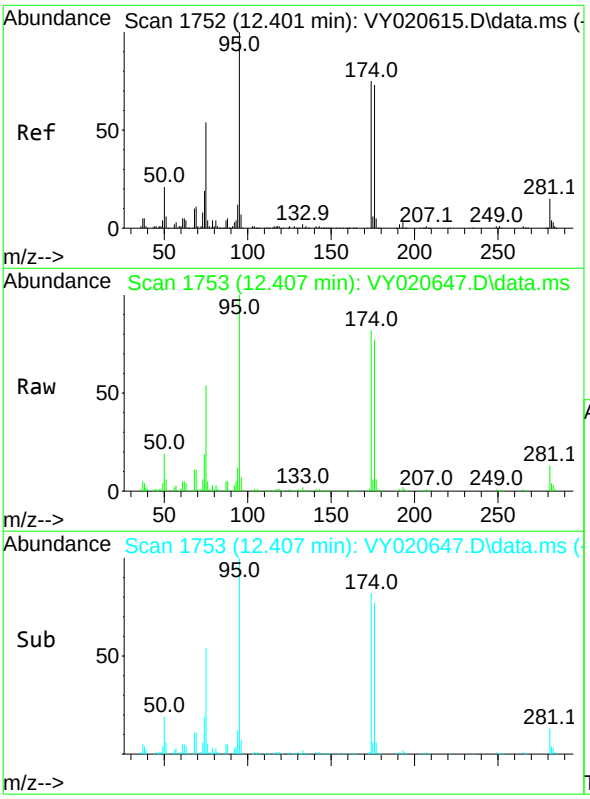
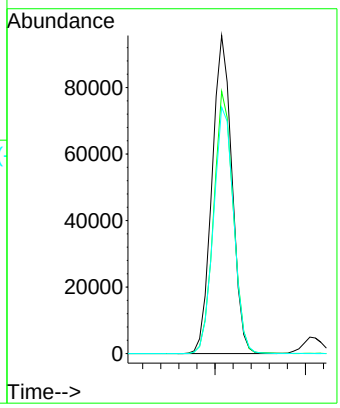


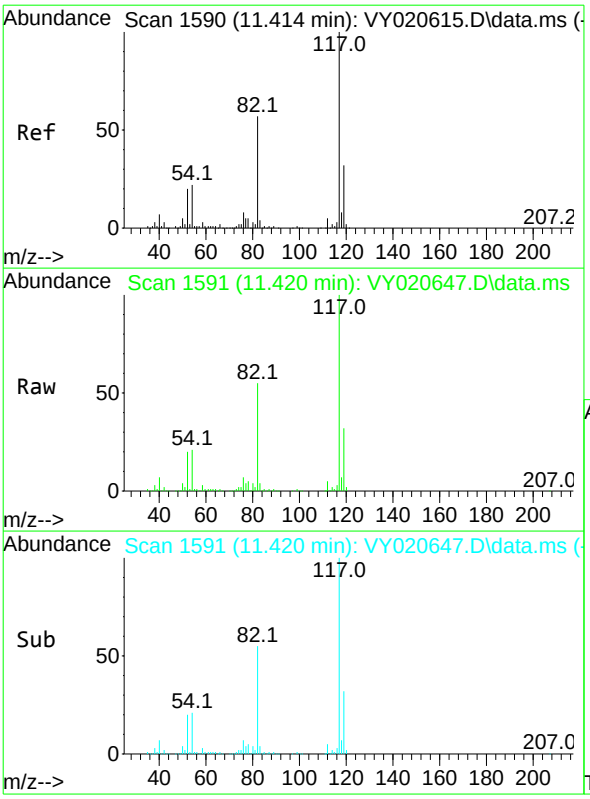


#62
4-Bromofluorobenzene
Concen: 53.552 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 95 Resp: 146340

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.4	0.0	156.6

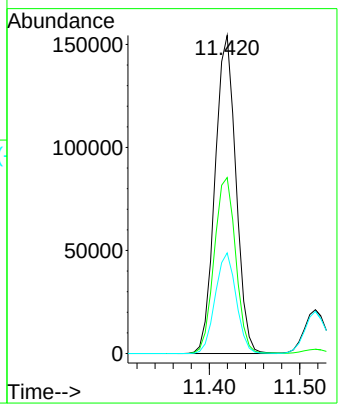




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:117 Resp: 247561

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.8	68.6
119	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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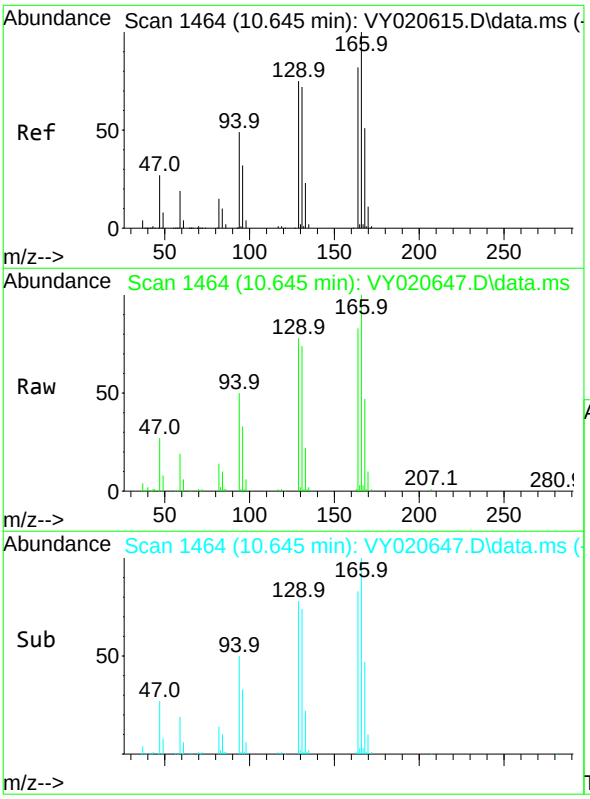
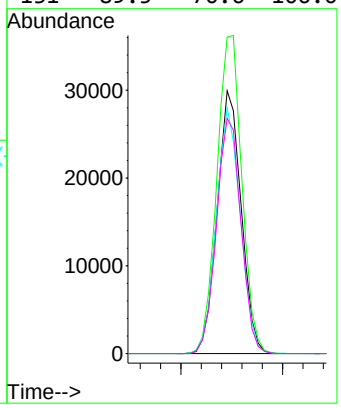
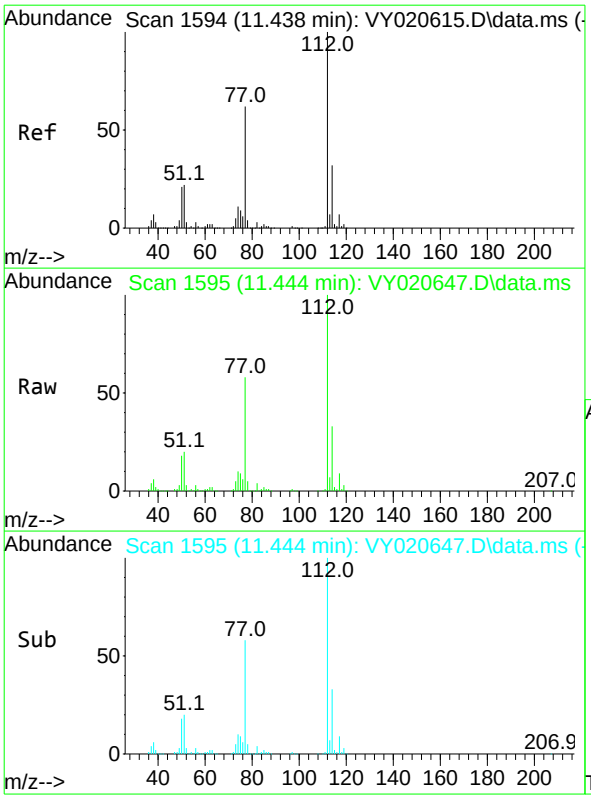


#64
Tetrachloroethene
Concen: 21.133 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:164 Resp: 49209

Ion	Ratio	Lower	Upper
164	100		
166	120.4	97.9	146.9
129	93.5	73.4	110.0
131	89.5	70.6	106.0

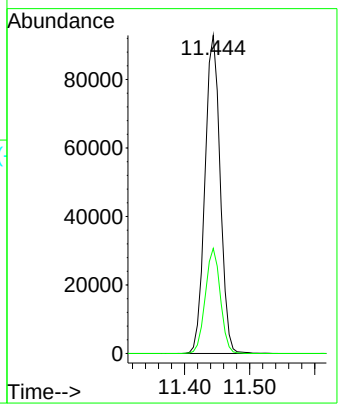




#65
Chlorobenzene
Concen: 21.815 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:112 Resp: 151005

Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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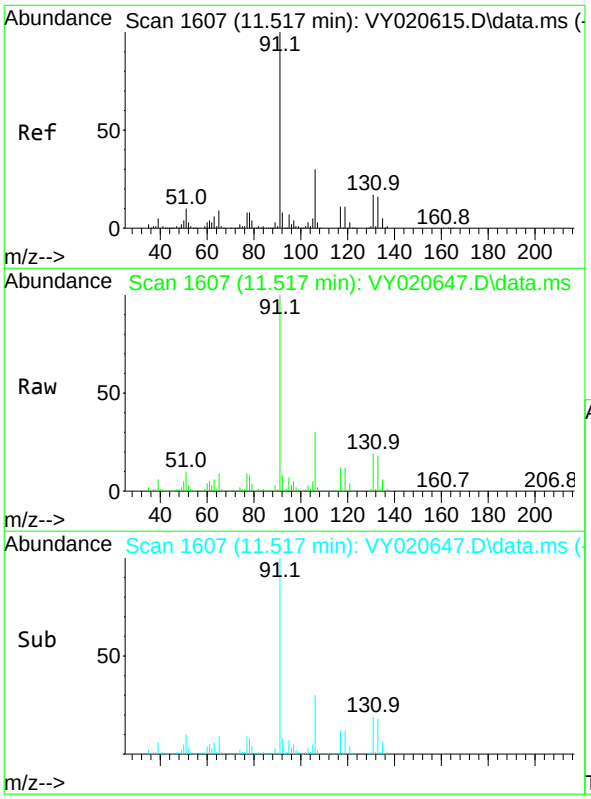
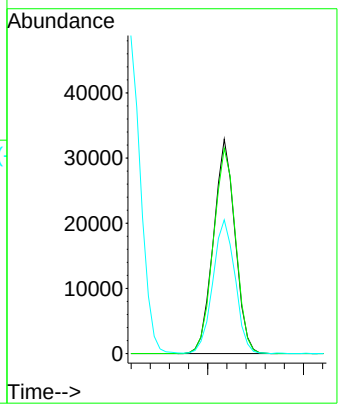
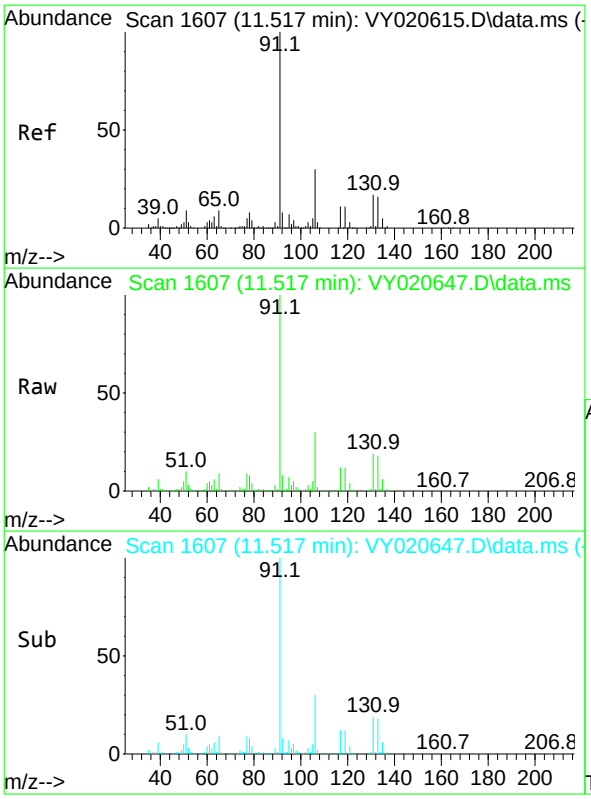


#66
1,1,1,2-Tetrachloroethane
Concen: 21.787 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:131 Resp: 51570

Ion	Ratio	Lower	Upper
131	100		
133	98.4	46.8	140.3
119	64.2	31.8	95.3

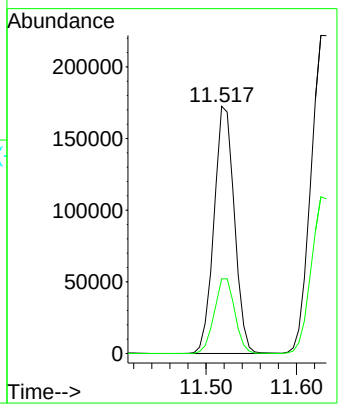




#67
Ethyl Benzene
Concen: 21.198 ug/l
RT: 11.517 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 270705

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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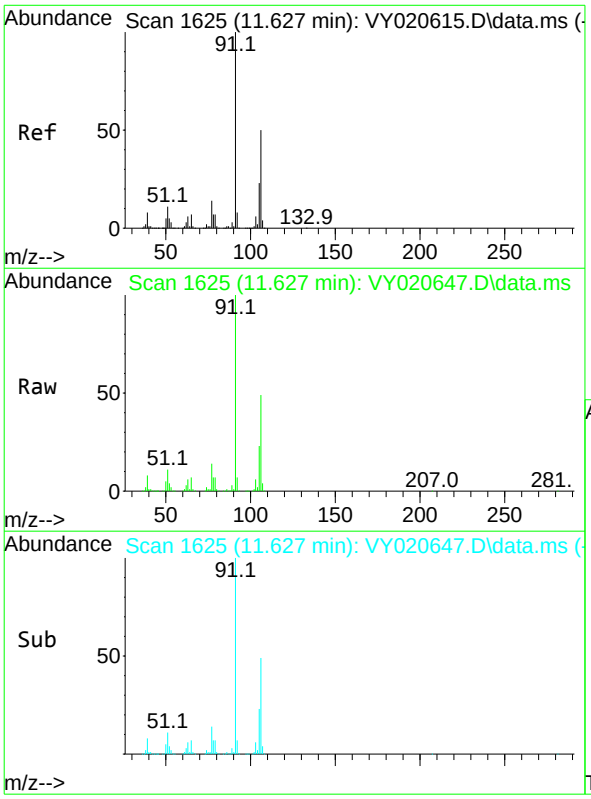
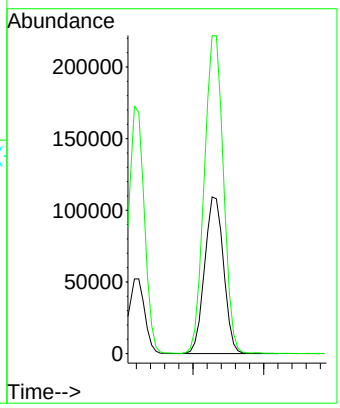
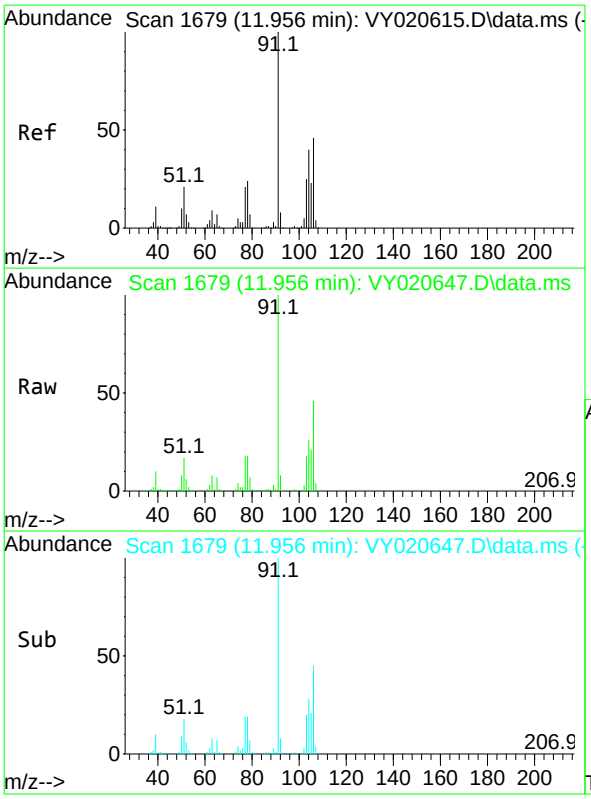


#68
m/p-Xylenes
Concen: 42.880 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:106 Resp: 203604

Ion	Ratio	Lower	Upper
106	100		
91	204.7	165.0	247.4





#69
o-Xylene
Concen: 21.650 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:106 Resp: 95914

Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
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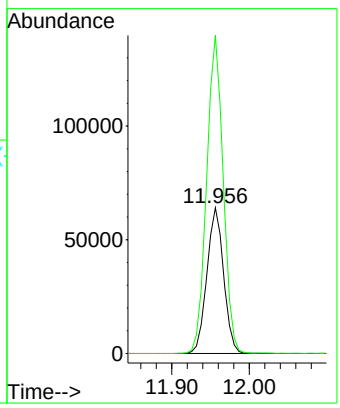
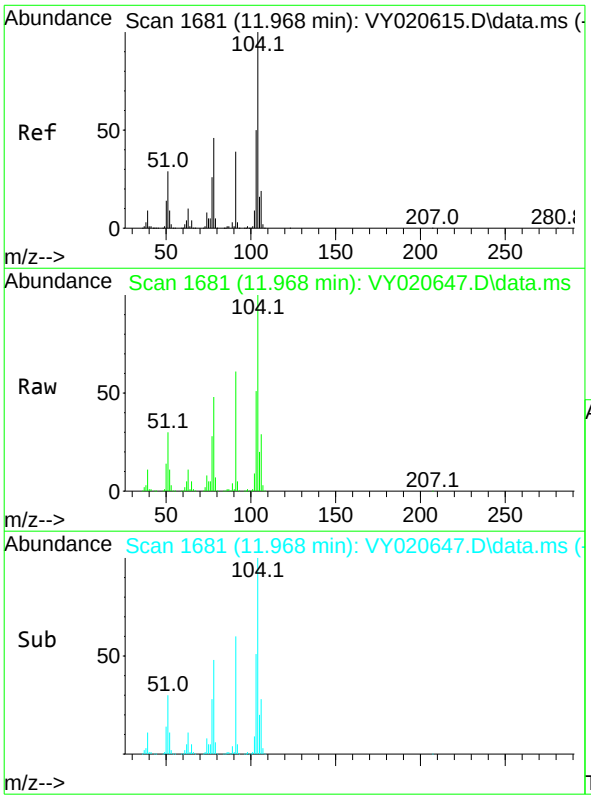
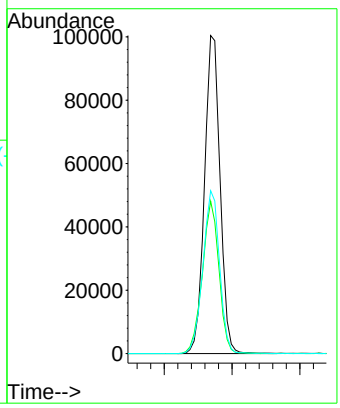


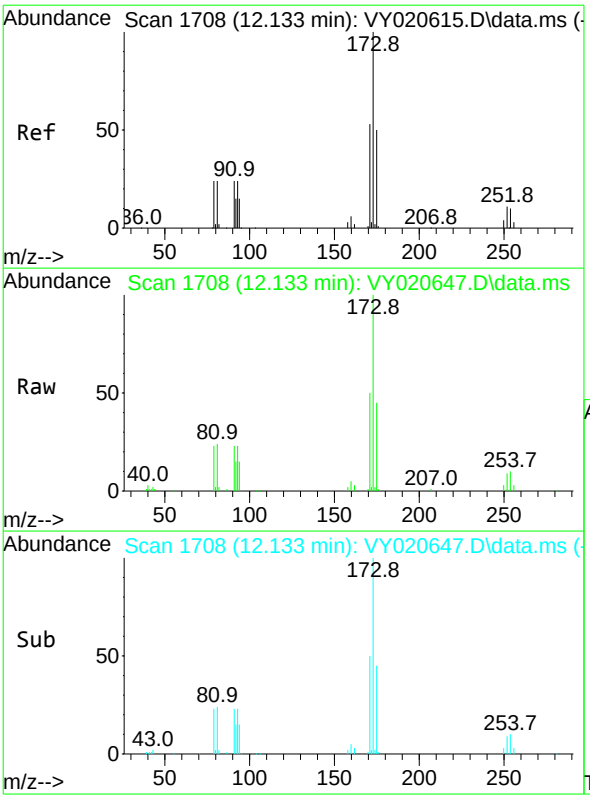


#70
Styrene
Concen: 21.650 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:104 Resp: 160252

Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.6	62.4
103	54.8	43.7	65.5





#71
Bromoform
Concen: 22.451 ug/l
RT: 12.133 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:173 Resp: 29878

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
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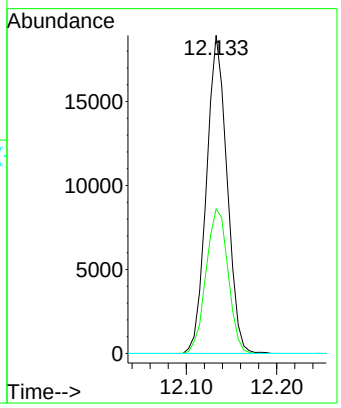
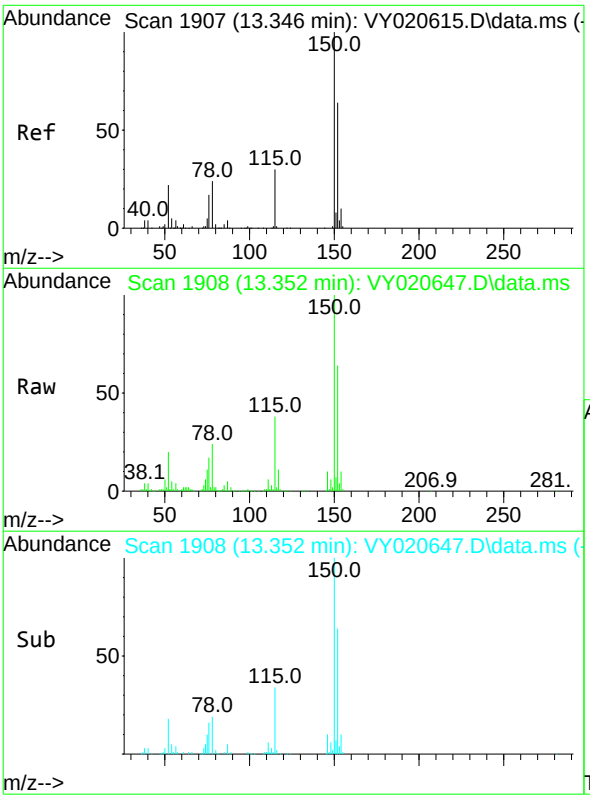
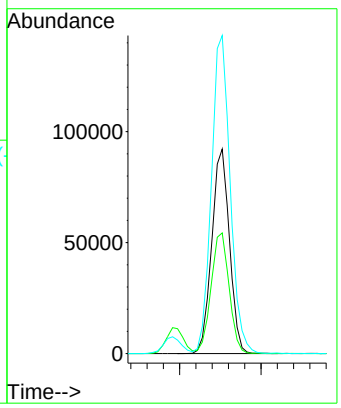


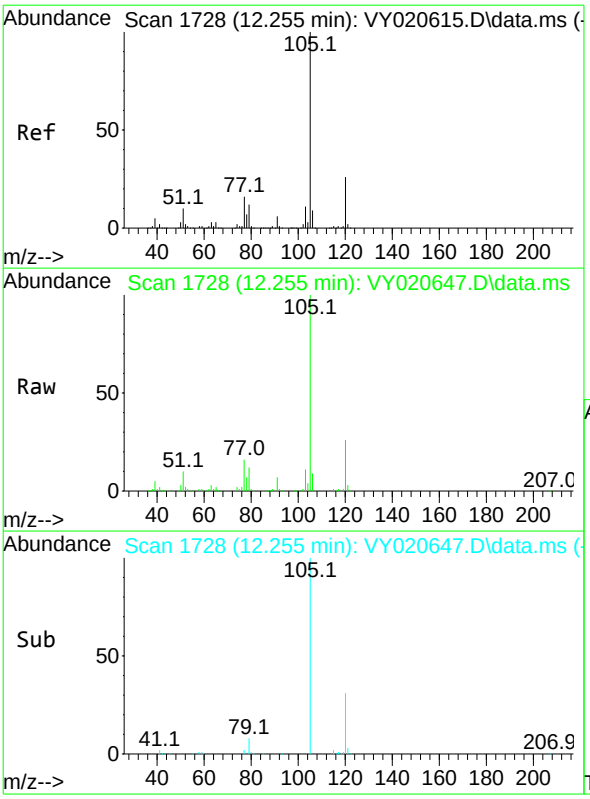


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:152 Resp: 139236

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	164.4	0.0	355.4





#73
Isopropylbenzene
Concen: 21.076 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 256085

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
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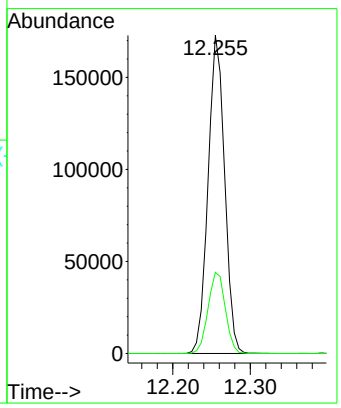
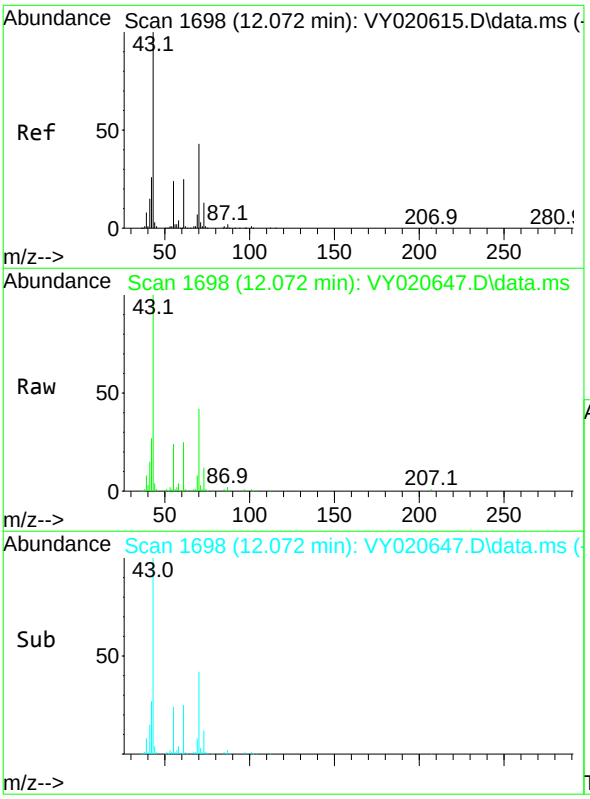
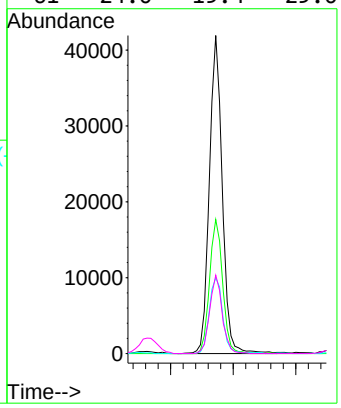


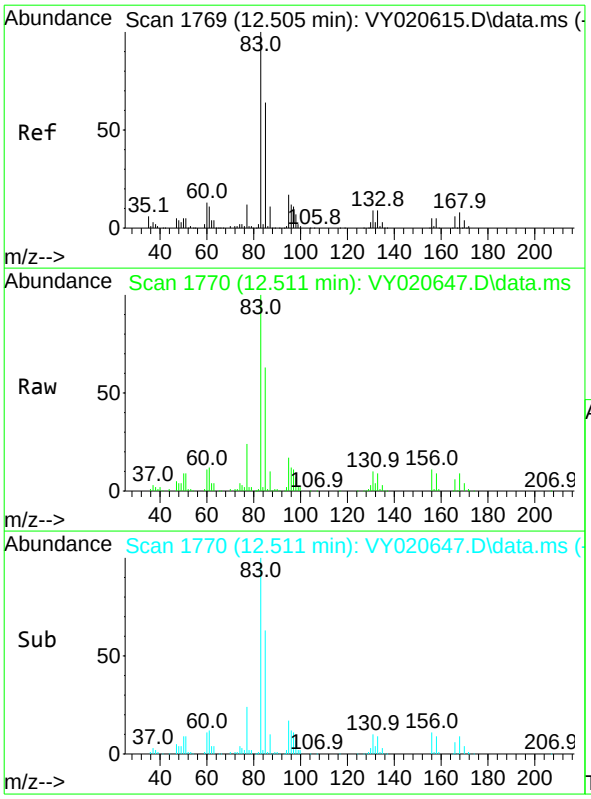


#74
N-amyl acetate
Concen: 21.169 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 60196

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.6	19.6	29.4
61	24.0	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 22.992 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 83 Resp: 45346

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.5	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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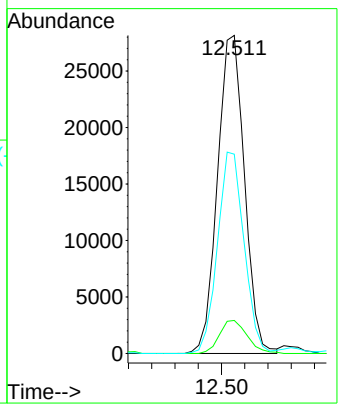
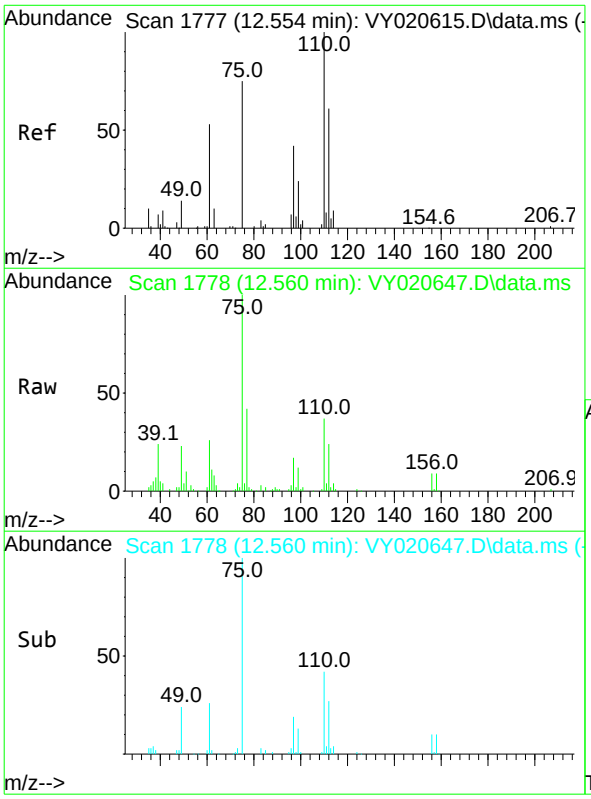
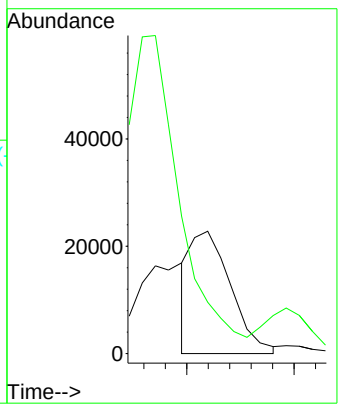


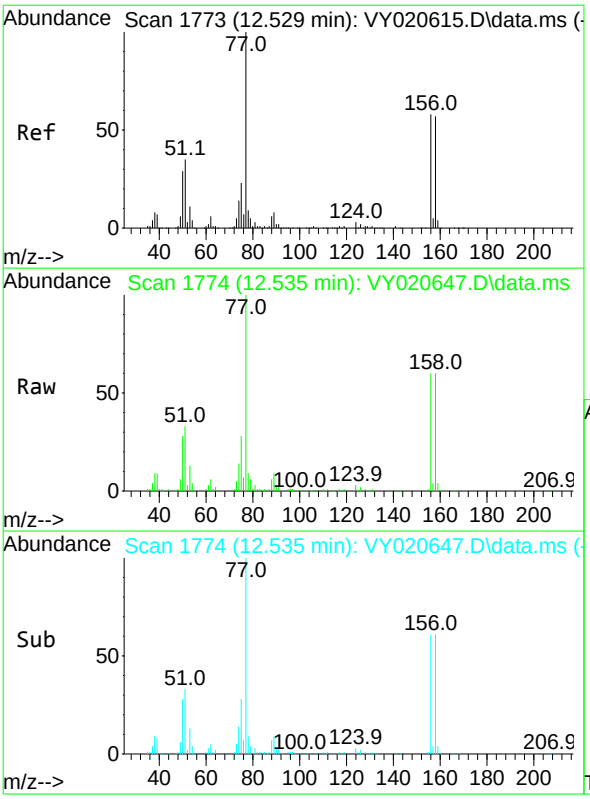


#76
1,2,3-Trichloropropane
Concen: 20.544 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 29715

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

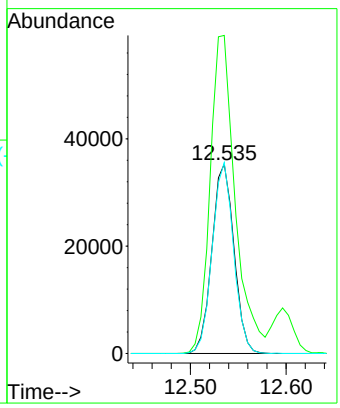




#77
Bromobenzene
Concen: 21.319 ug/l
RT: 12.535 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:156 Resp: 56425

Ion	Ratio	Lower	Upper
156	100		
77	191.1	94.2	282.4
158	97.6	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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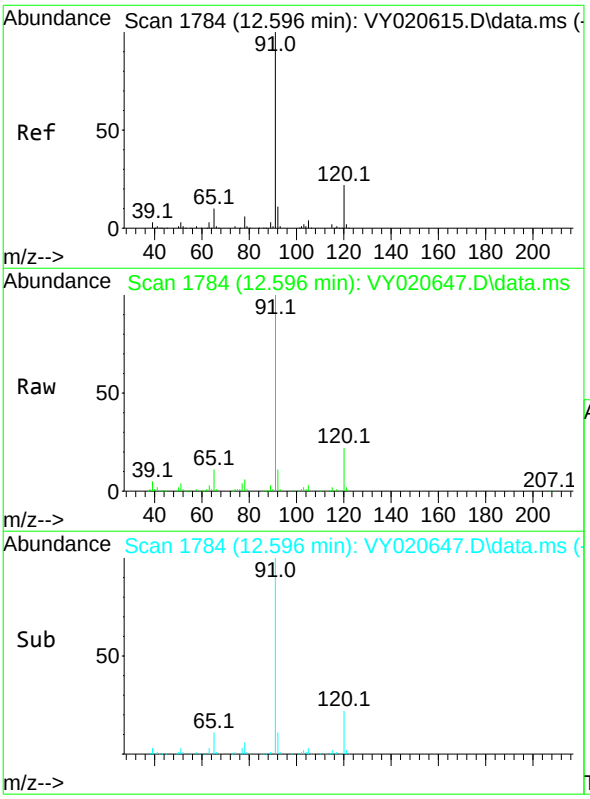
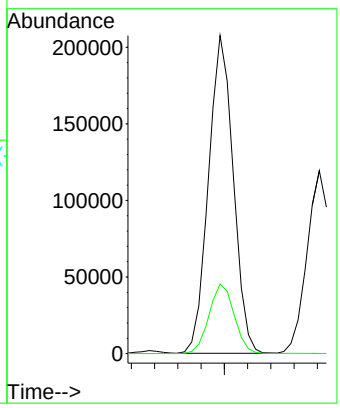
Supervised By :Semsettin Yesilyurt 12/20/2024

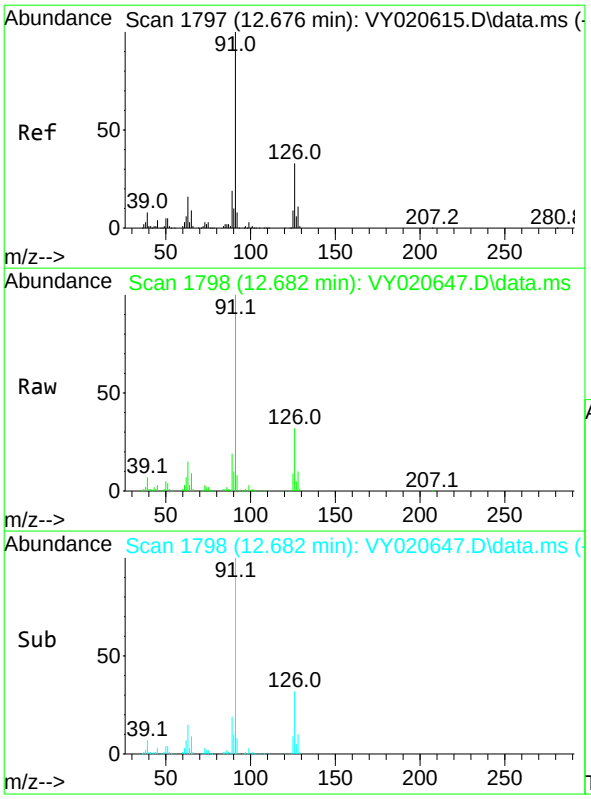


#78
n-propylbenzene
Concen: 20.979 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 307113

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1

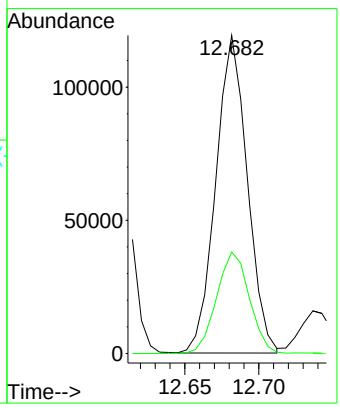




#79
2-Chlorotoluene
Concen: 21.424 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 176449

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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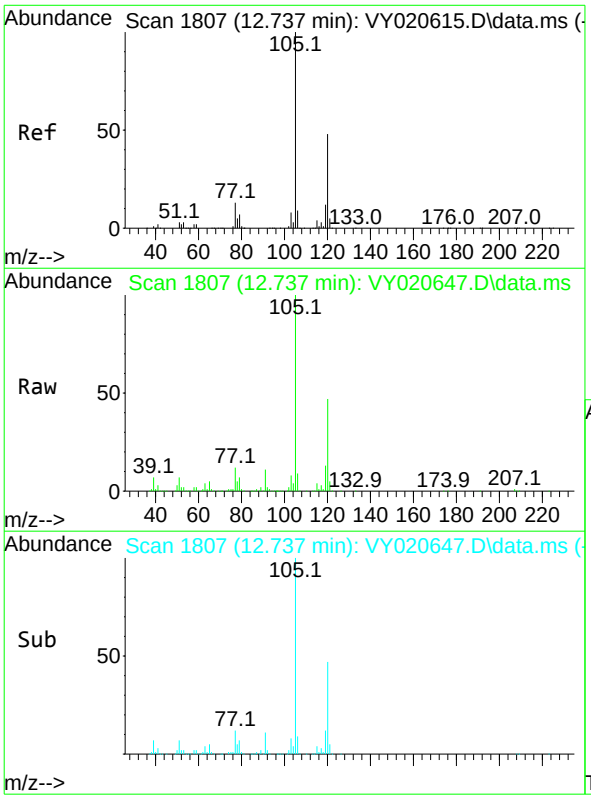
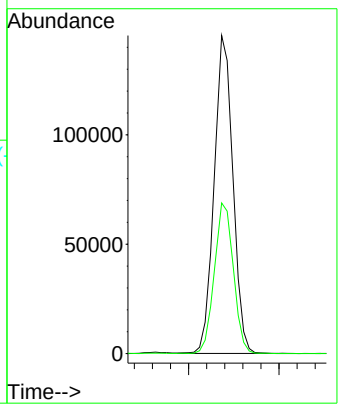
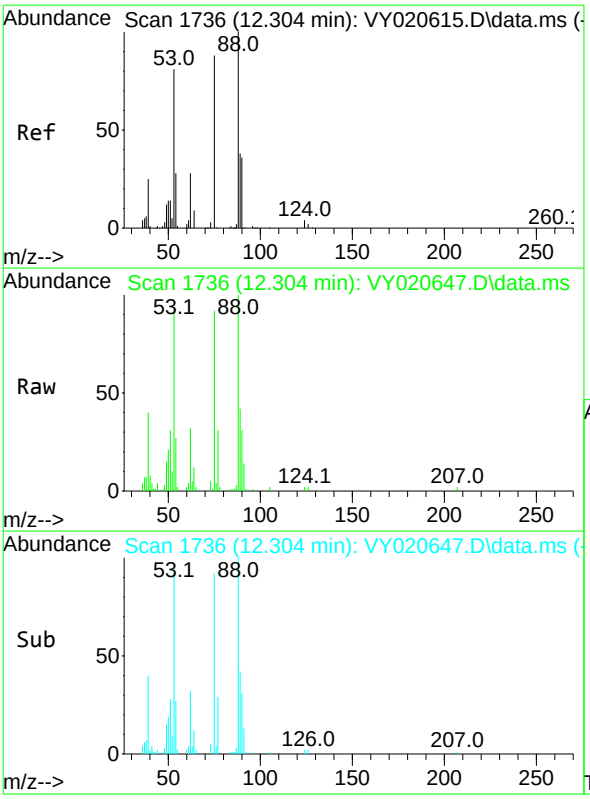


#80
1,3,5-Trimethylbenzene
Concen: 21.209 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 209105

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 22.567 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 15550

Ion	Ratio	Lower	Upper
75	100		
53	90.1	75.4	113.2
89	44.4	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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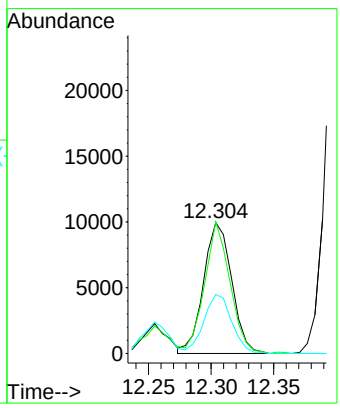
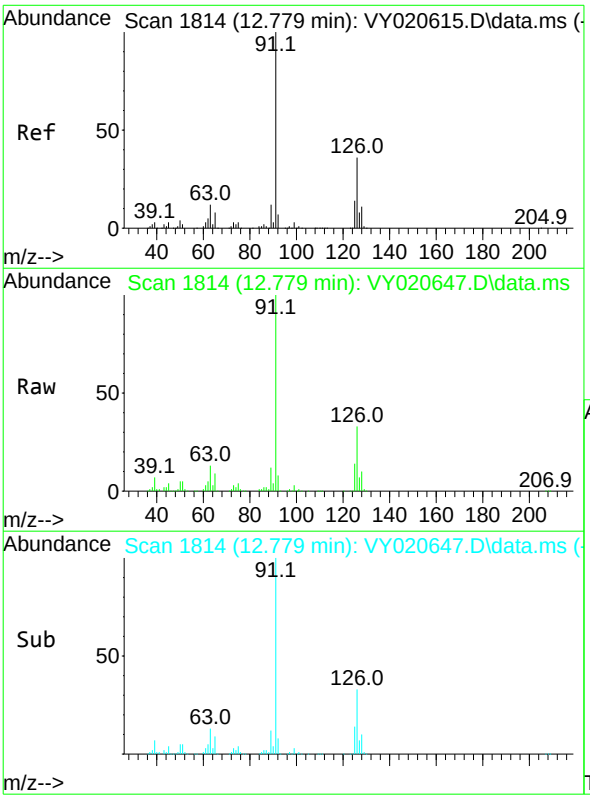
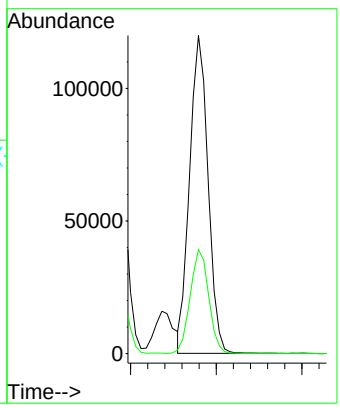


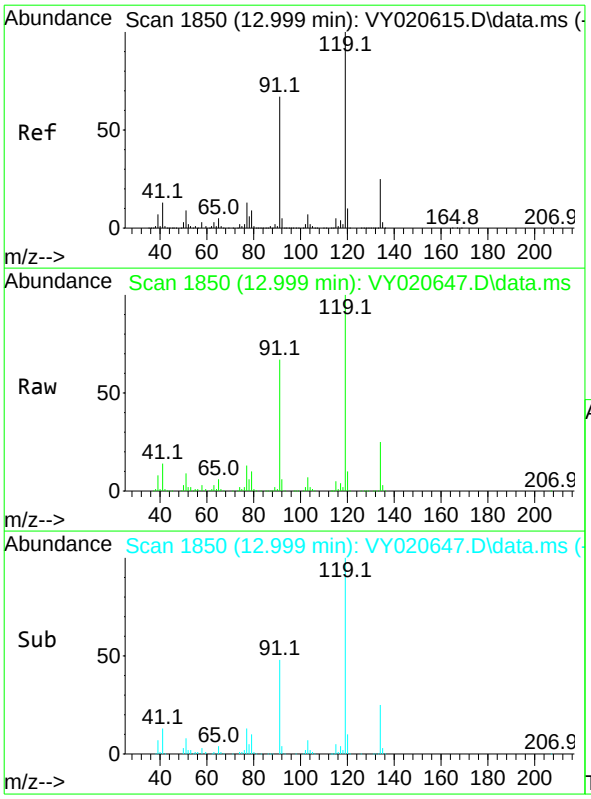


#82
4-Chlorotoluene
Concen: 20.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 179017

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7





#83
tert-Butylbenzene
Concen: 20.822 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:119 Resp: 185911

Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.9	98.6
134	27.1	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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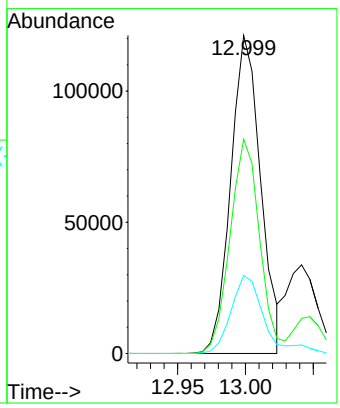
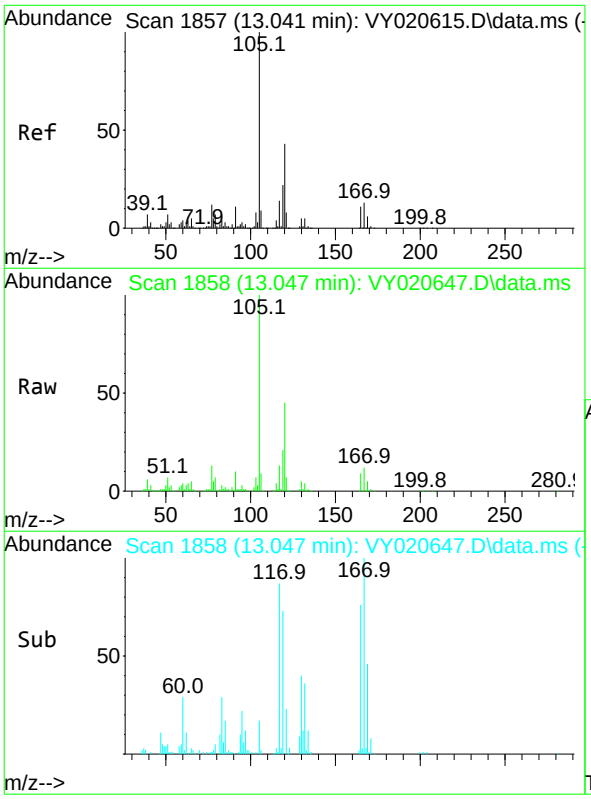
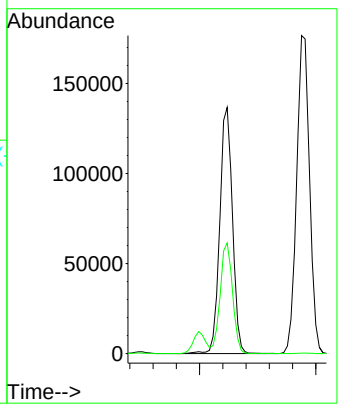


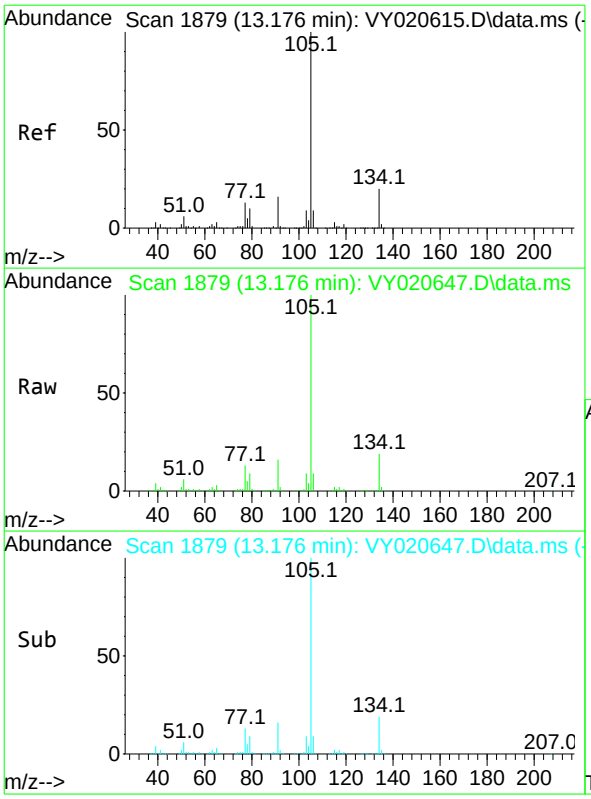


#84
1,2,4-Trimethylbenzene
Concen: 21.430 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 207246

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4





#85
sec-Butylbenzene
Concen: 20.926 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 271663

Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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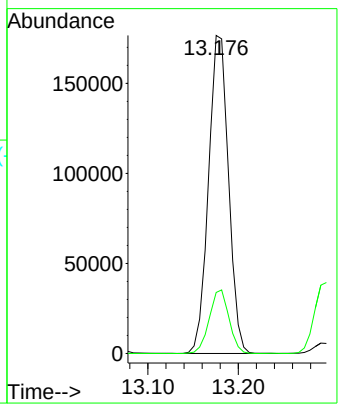
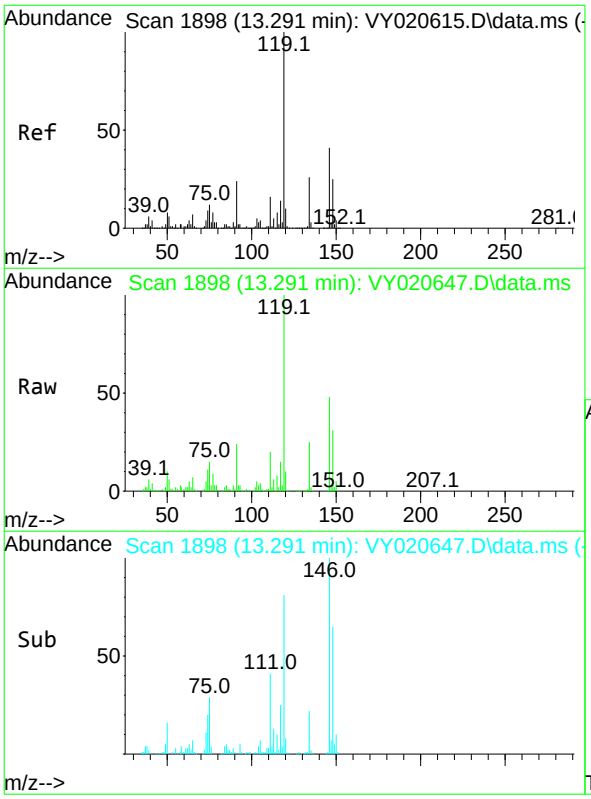
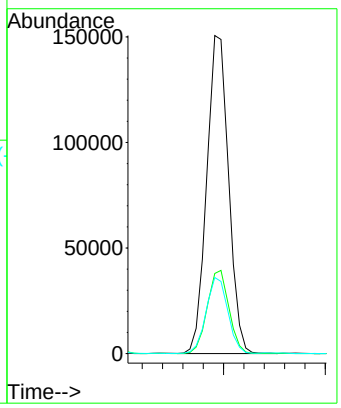


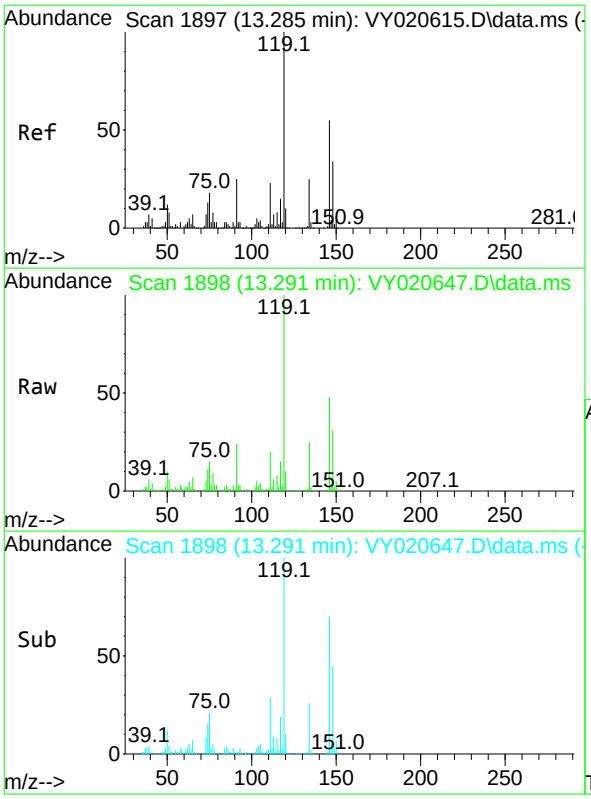


#86
p-Isopropyltoluene
Concen: 21.022 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:119 Resp: 225018

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.7	12.1	36.3

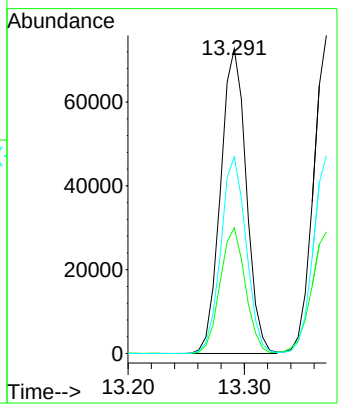




#87
1,3-Dichlorobenzene
Concen: 21.373 ug/l
RT: 13.291 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:146 Resp: 111668

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.6	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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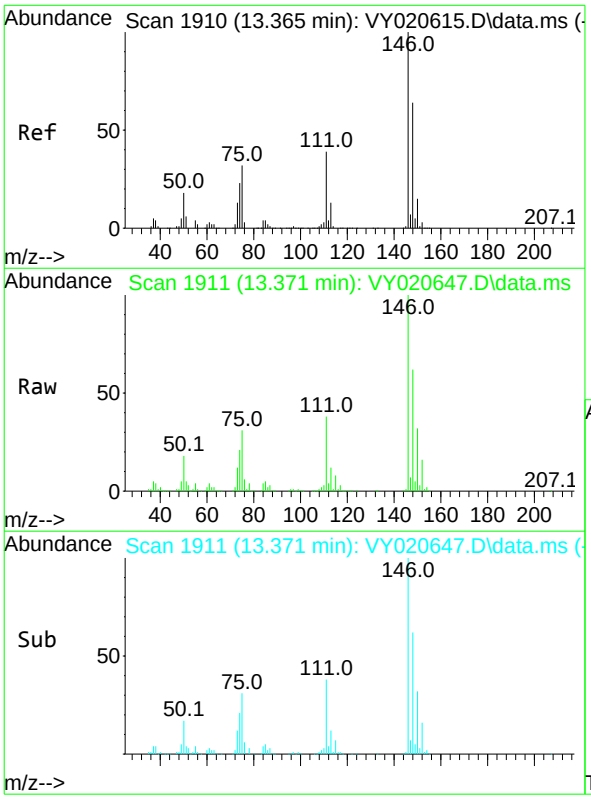
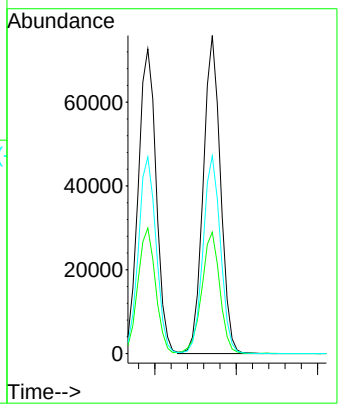
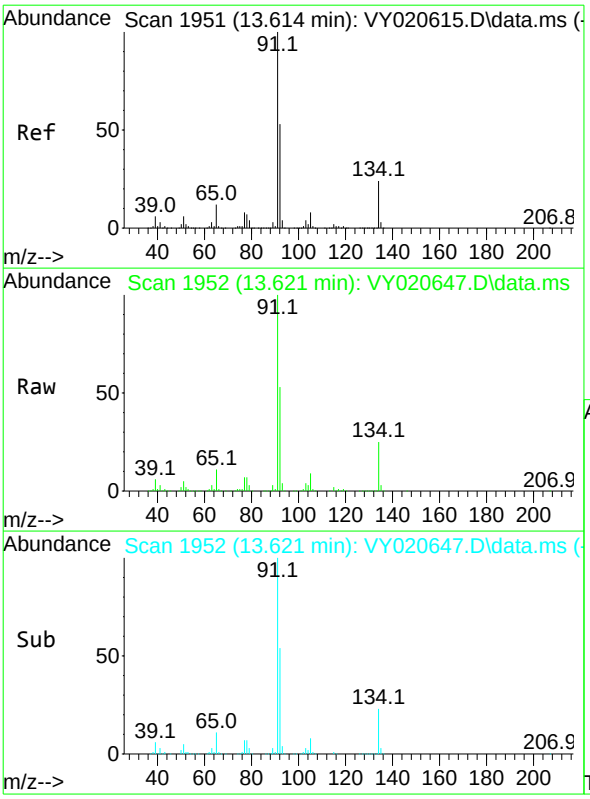


#88
1,4-Dichlorobenzene
Concen: 21.614 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:146 Resp: 111847

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	62.8	31.9	95.5

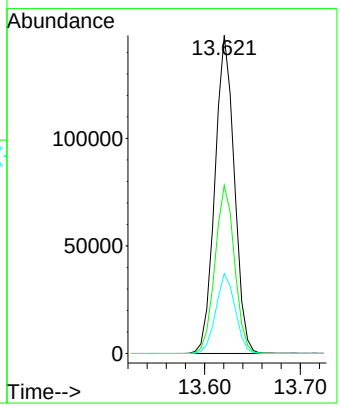




#89
n-Butylbenzene
Concen: 20.555 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 208511

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
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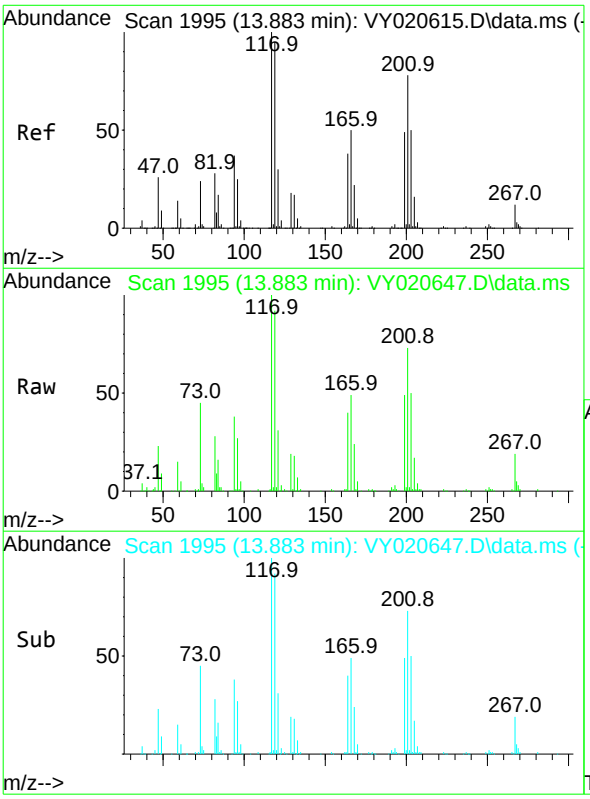
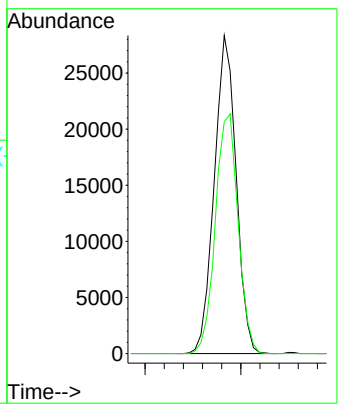
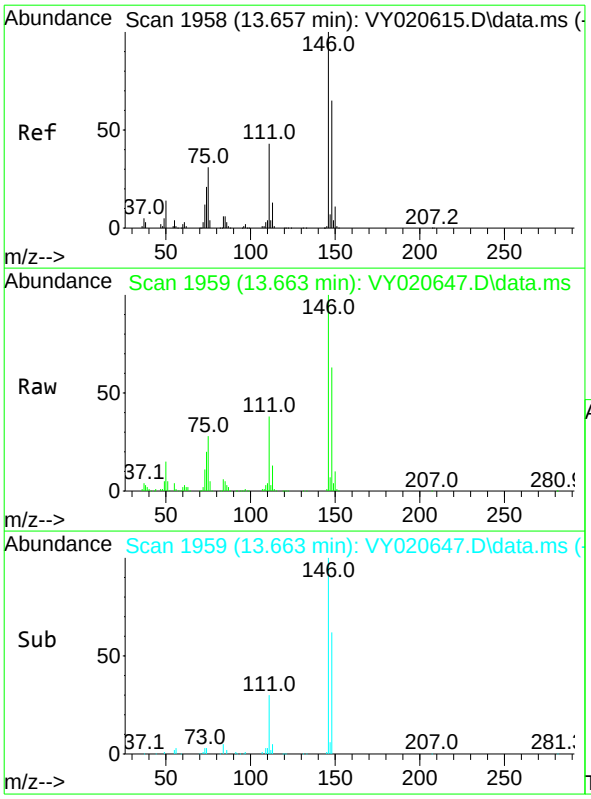


#90
Hexachloroethane
Concen: 21.182 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:117 Resp: 44930

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3

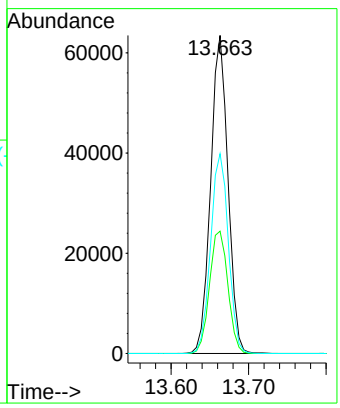




#91
1,2-Dichlorobenzene
Concen: 21.760 ug/l
RT: 13.663 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:146 Resp: 98502

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.7
148	64.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
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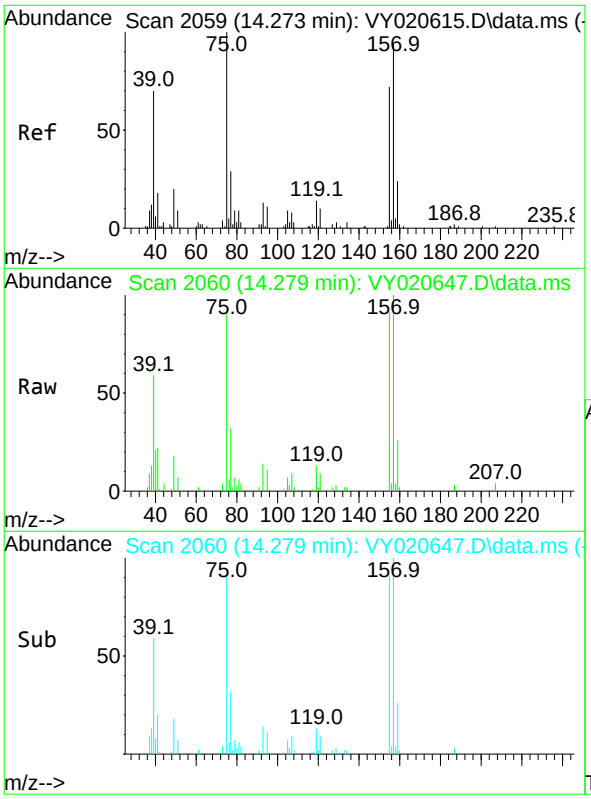
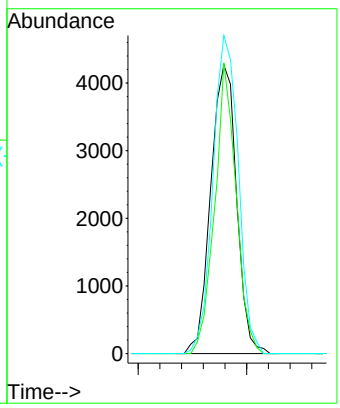
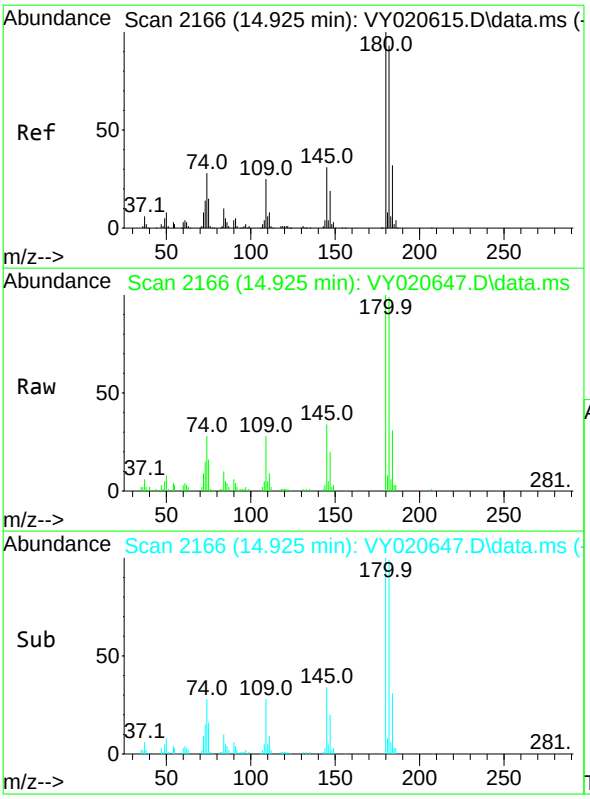


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.979 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 7038

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.3
157	108.3	52.9	158.8

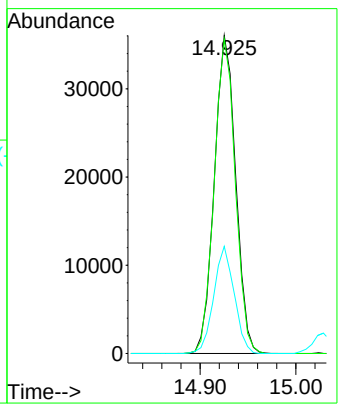




#93
1,2,4-Trichlorobenzene
Concen: 20.396 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:180 Resp: 55848

Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.6
145	32.3	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

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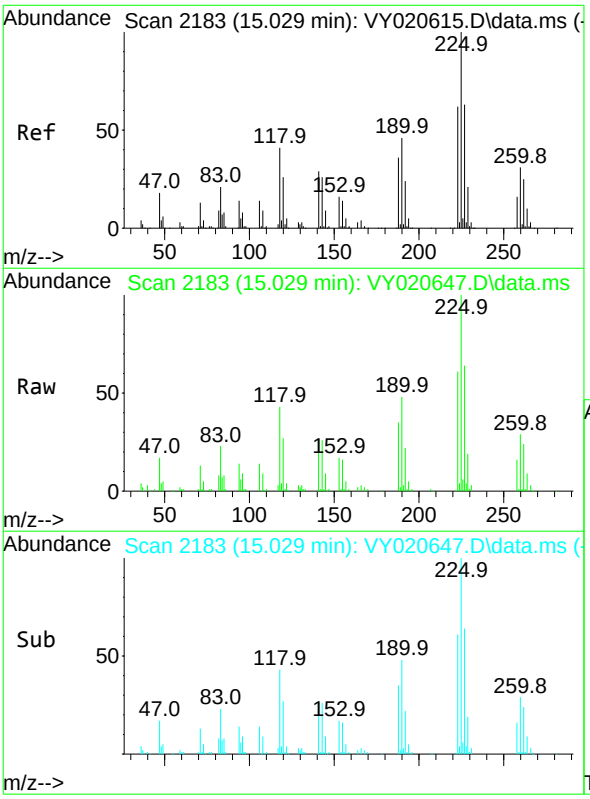
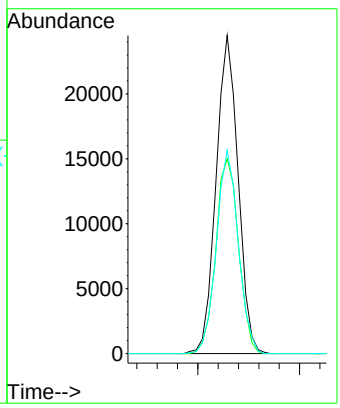
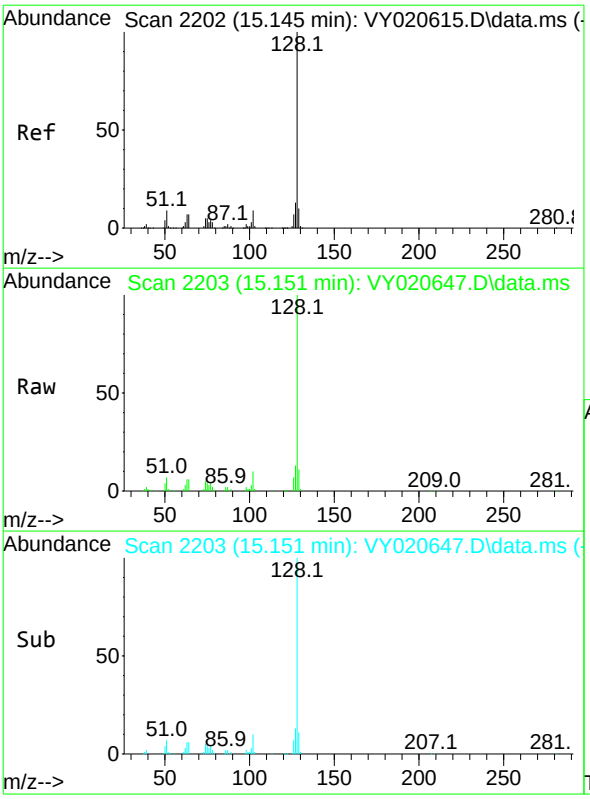


#94
Hexachlorobutadiene
Concen: 20.546 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:225 Resp: 36777

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.8	95.3
227	63.7	32.2	96.6





#95
Naphthalene
Concen: 21.370 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

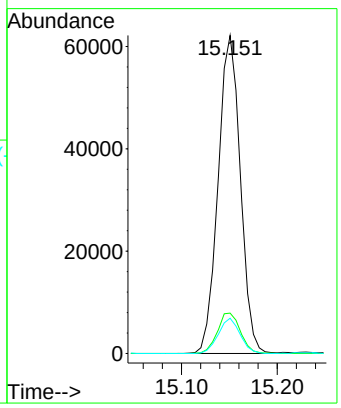
Tgt Ion:128 Resp: 100318

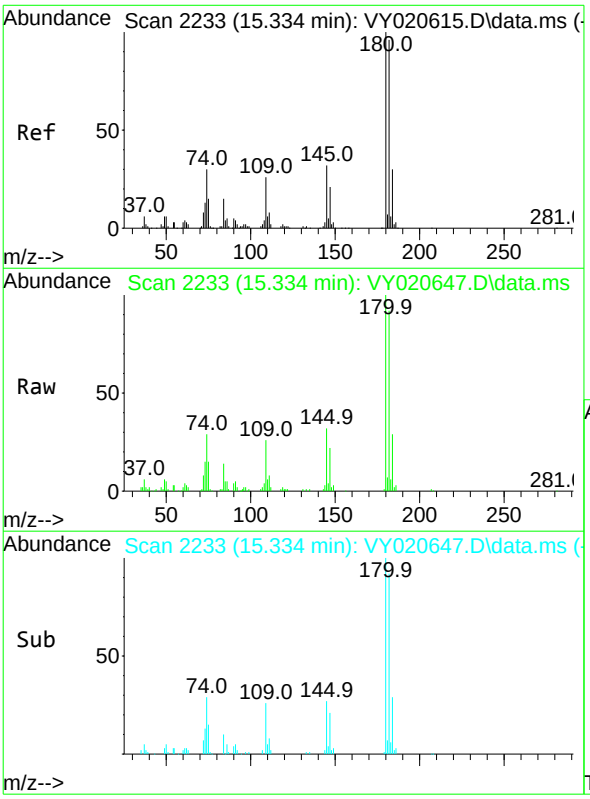
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.8	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/20/2024
Supervised By :Semsettin Yesilyurt 12/20/2024

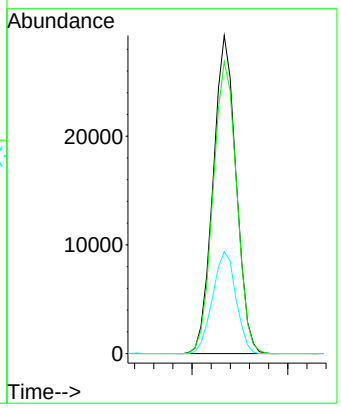




#96
1,2,3-Trichlorobenzene
Concen: 21.109 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:180 Resp: 48835

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	32.6	16.0	48.0



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:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBS01	SDG No.:	P5306
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 Group3
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							
75-71-8	Dichlorodifluoromethane	0.024		0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.017		0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.016		0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.015		0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.014		0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.095		0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.017		0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.016		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.016		0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.098		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.063		0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.017		0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.018		0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.022		0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.092		0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.022		0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.022		0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.022		0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.022		0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.022		0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.095		0.0044	0.013	0.025	mg/Kg

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:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBS01	SDG No.:	P5306
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 Group3
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)
108-88-3	Toluene	0.022		0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.032		0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.026		0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.099		0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.022		0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.022		0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.022		0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.022		0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.045		0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.067		0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.022		0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.022		0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.022		0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.022		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.022		0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.022		0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.022		0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.022		0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.025		0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.022		0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.022		0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.022		0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.022		0.00080	0.0025	0.0050	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1220SBS01	SDG No.:	P5306
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 Group3
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)
104-51-8	n-Butylbenzene	0.022		0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.022		0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.035		0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.022		0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		71 - 136		86%	SPK: 50
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

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)
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
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

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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
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 :
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ClientSampleId :
VY1220SBS01

Manual Integrations APPROVED

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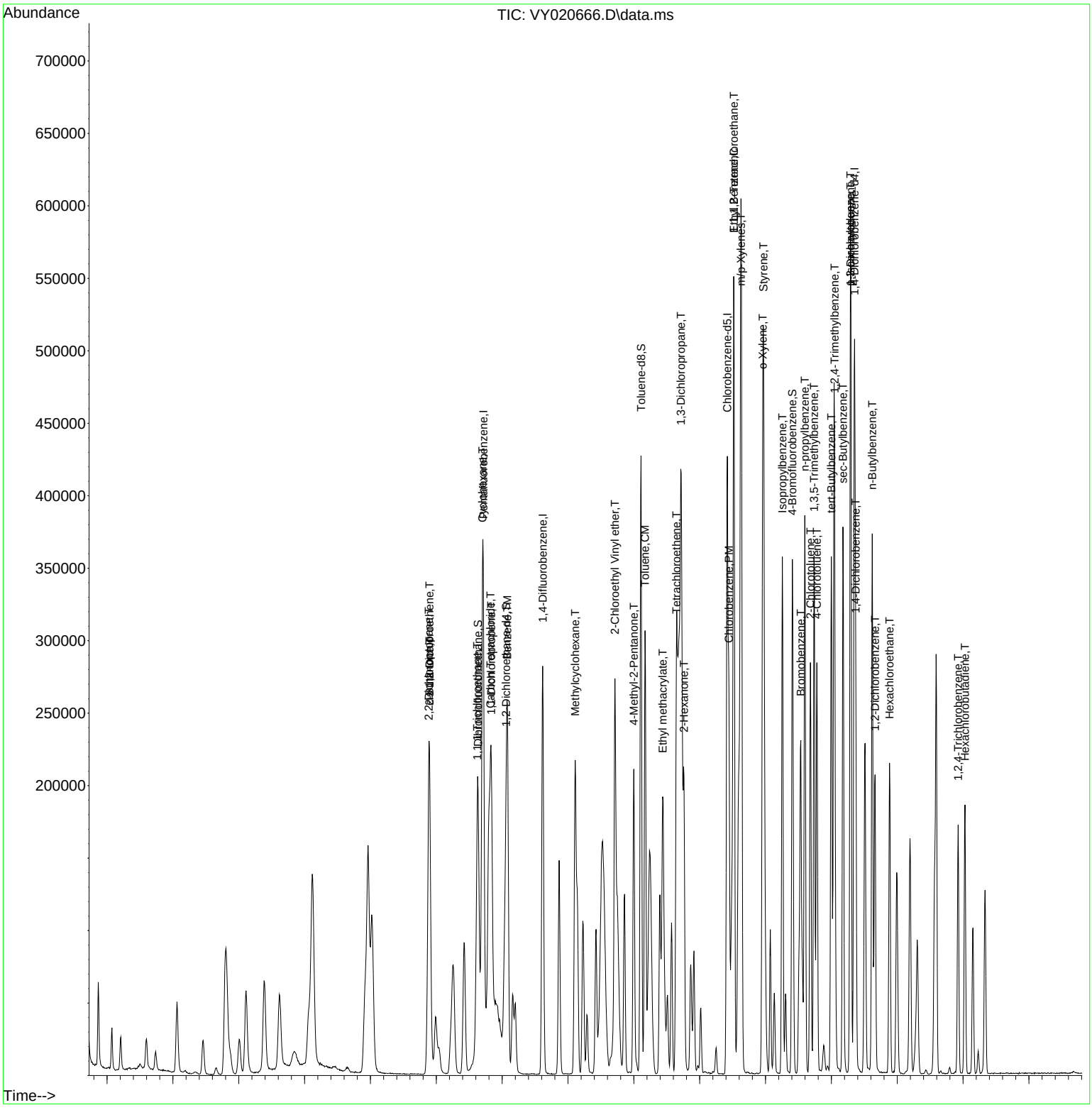
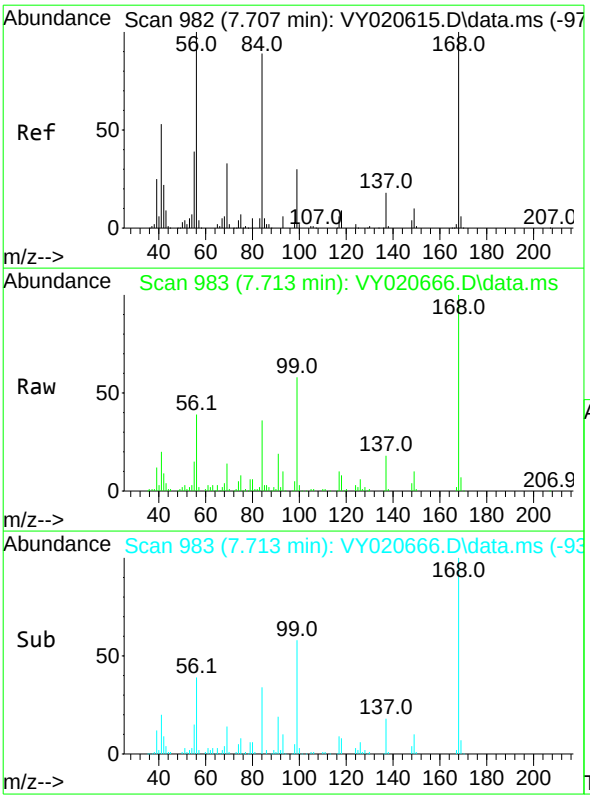
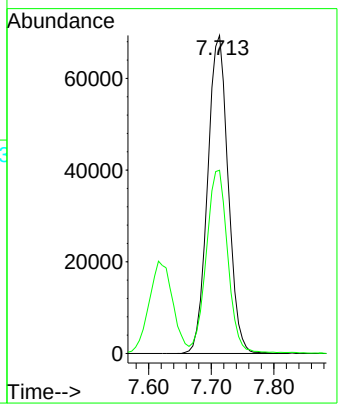




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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
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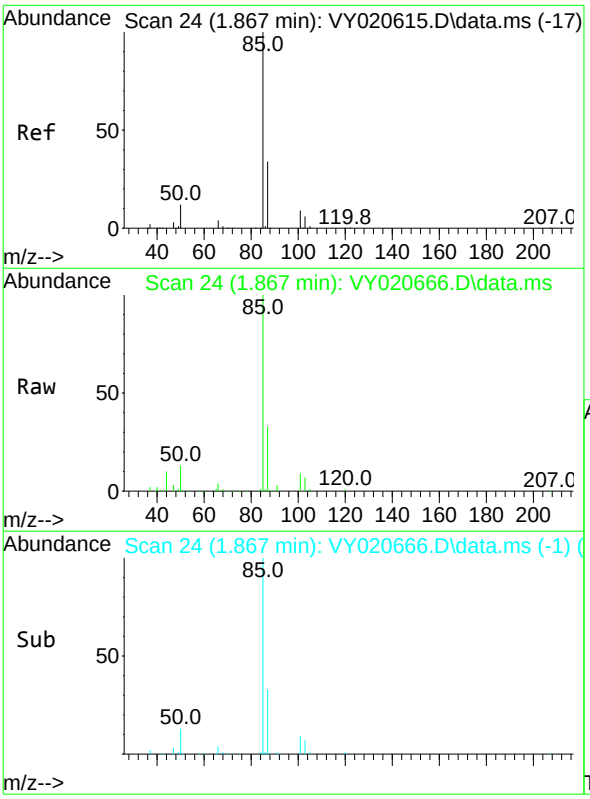
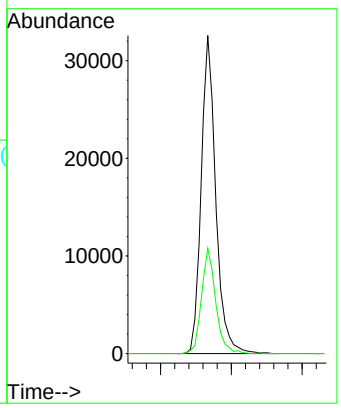
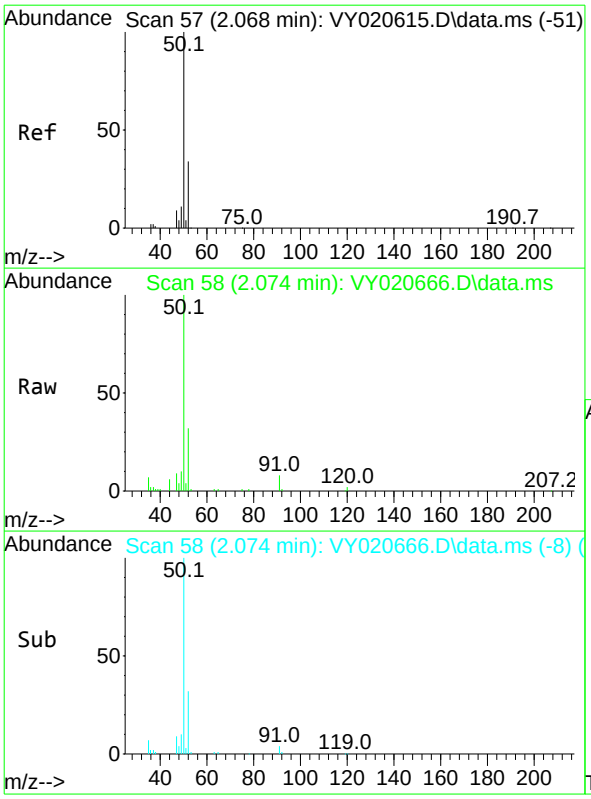


#2
Dichlorodifluoromethane
Concen: 23.644 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 85 Resp: 46496

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3

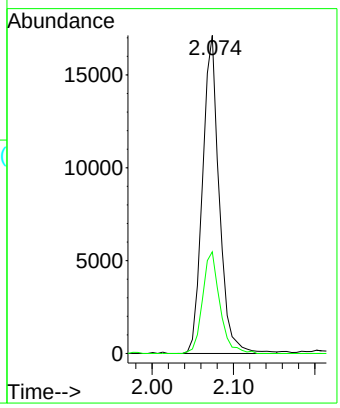




#3
Chloromethane
Concen: 16.744 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 50 Resp: 24398

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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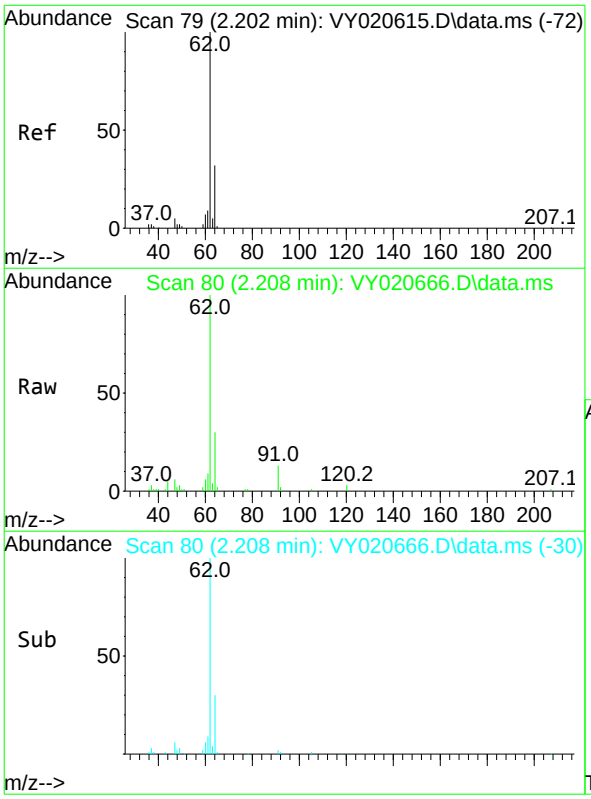
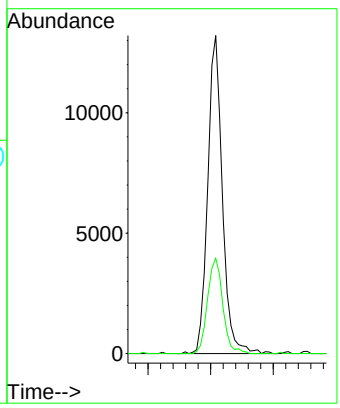
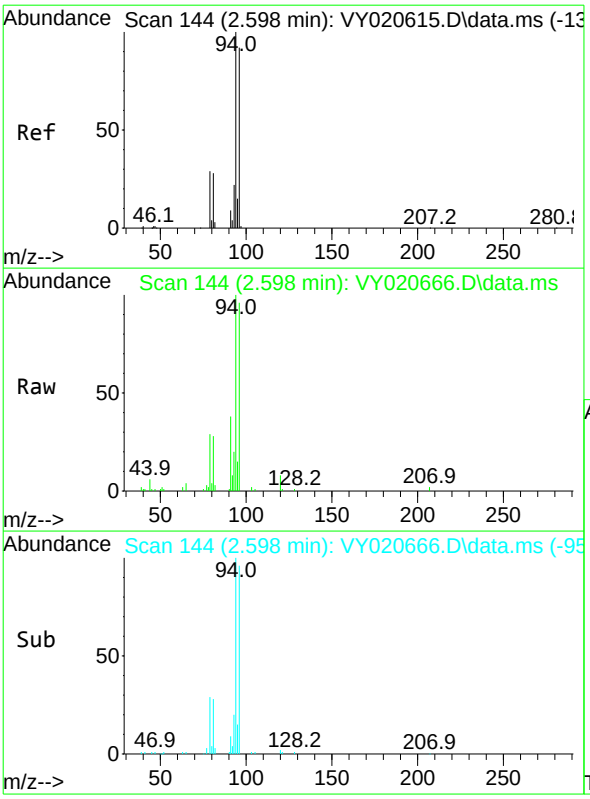


#4
Vinyl Chloride
Concen: 15.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 21407

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.3	37.9

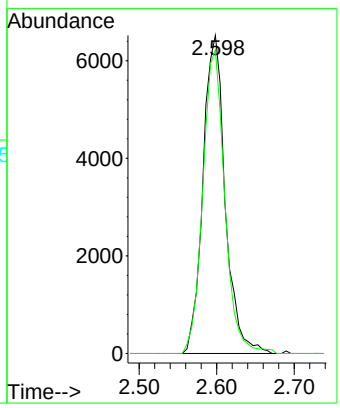




#5
Bromomethane
Concen: 14.895 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 94 Resp: 12985

Ion	Ratio	Lower	Upper
94	100		
96	95.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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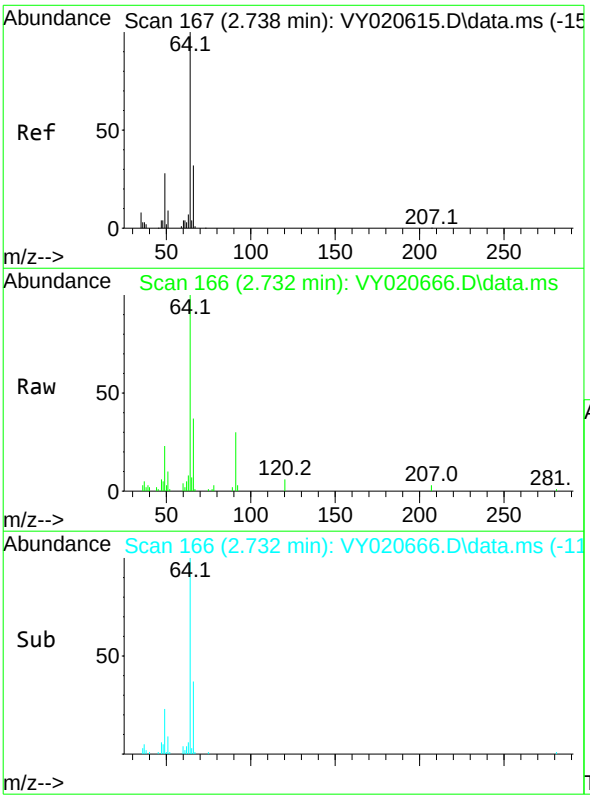
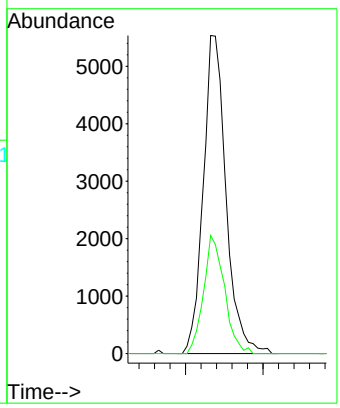
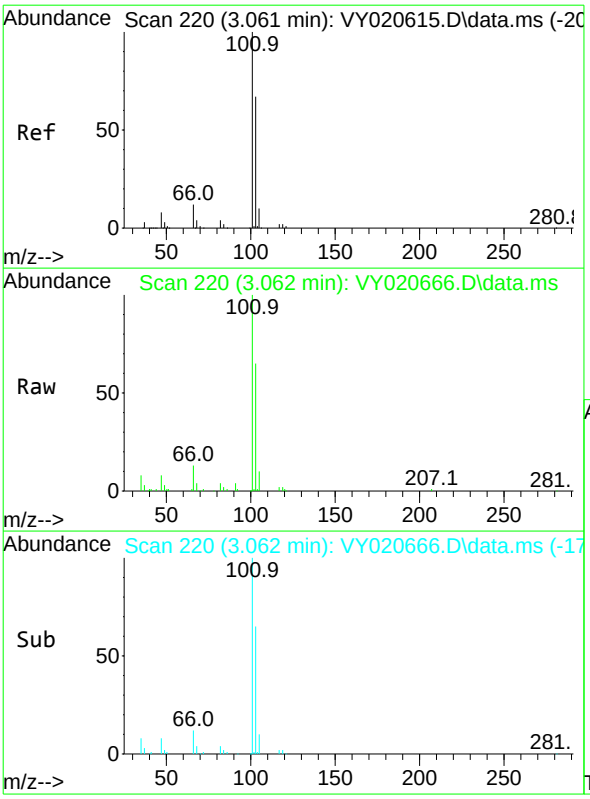


#6
Chloroethane
Concen: 13.462 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 64 Resp: 11282

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.8	38.6

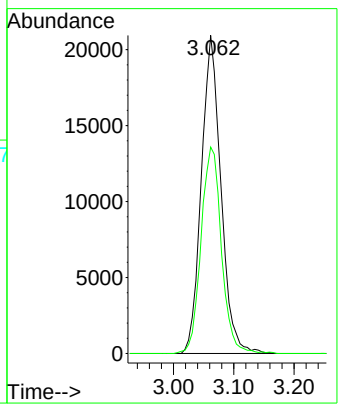




#7
Trichlorofluoromethane
Concen: 16.649 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:101 Resp: 47245

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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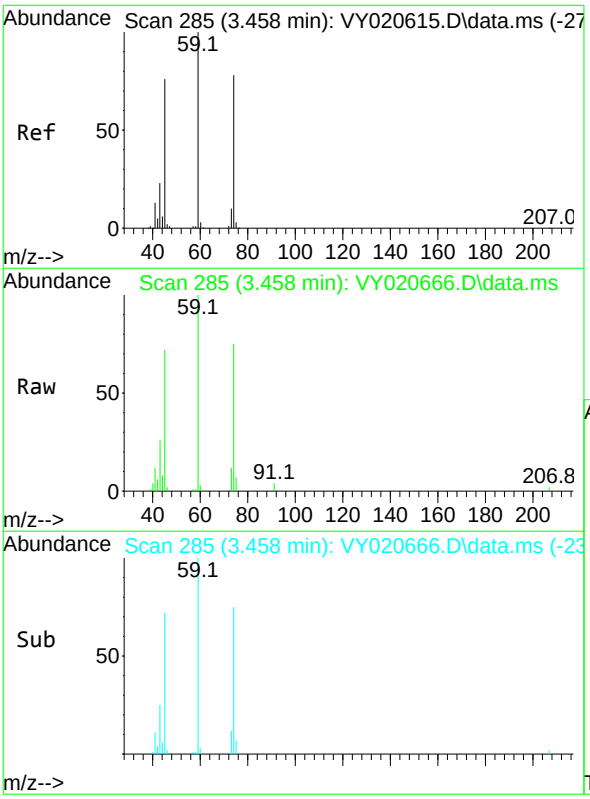
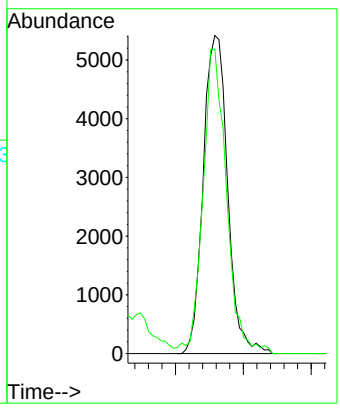
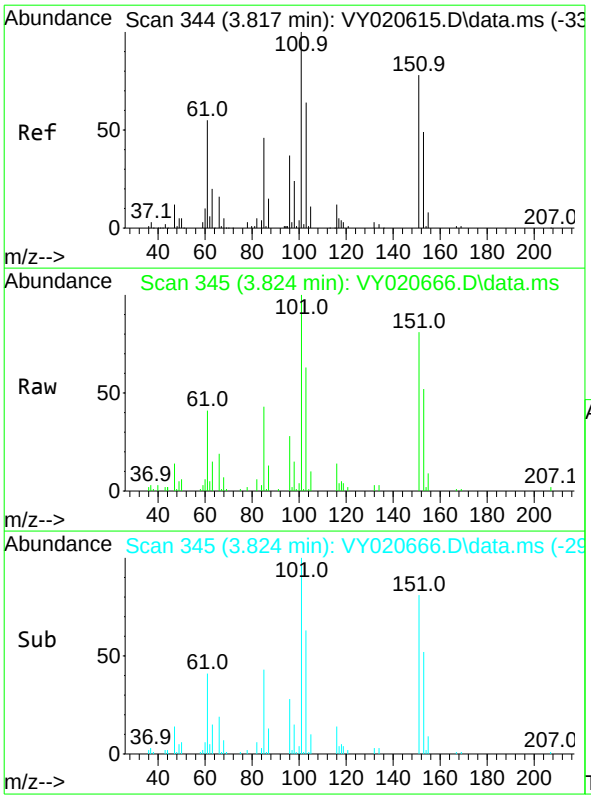


#8
Diethyl Ether
Concen: 13.569 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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
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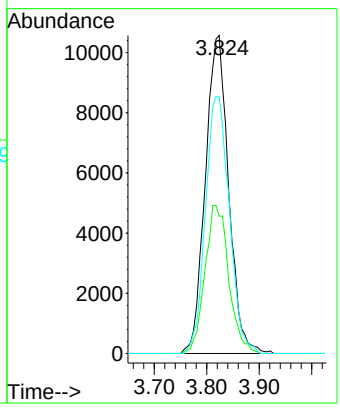
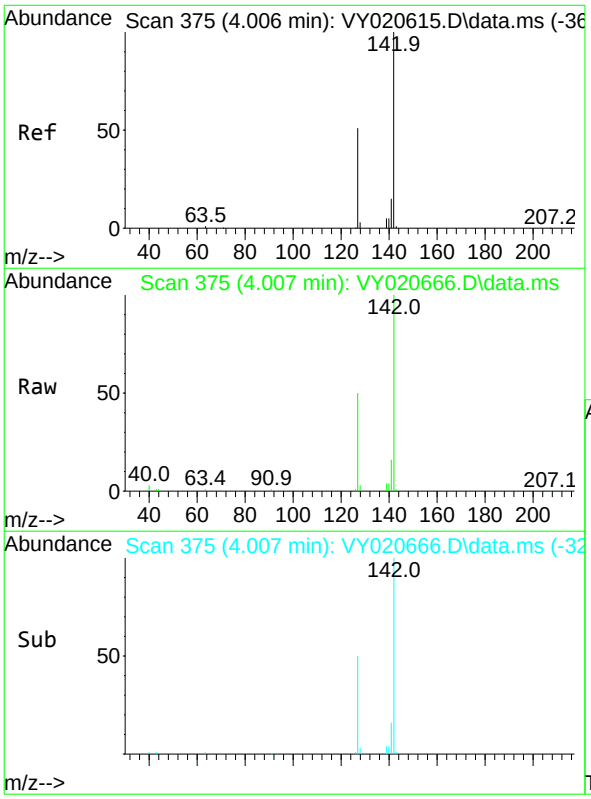
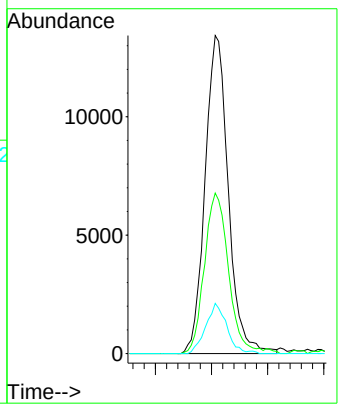


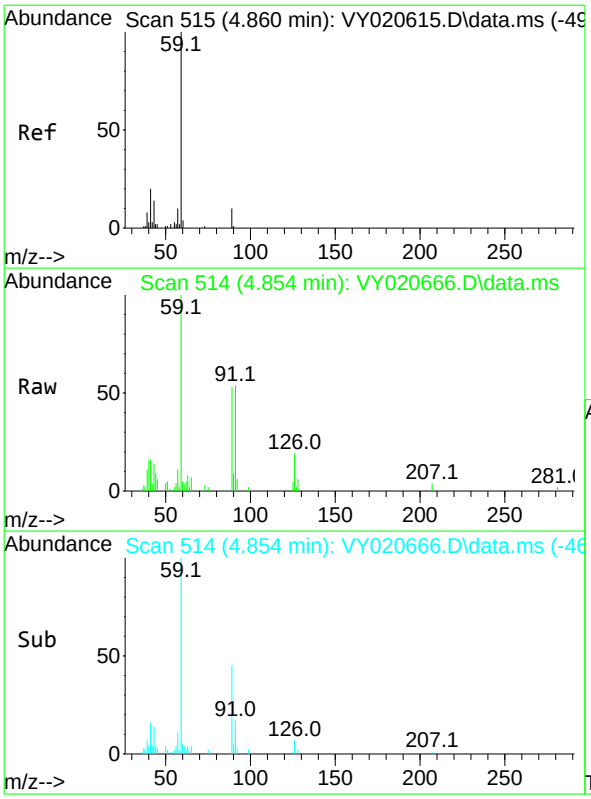


#10
Methyl Iodide
Concen: 17.014 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

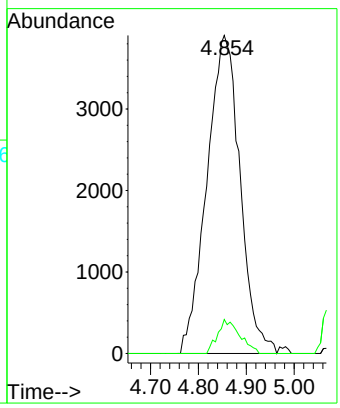




#11
Tert butyl alcohol
Concen: 80.656 ug/l
RT: 4.854 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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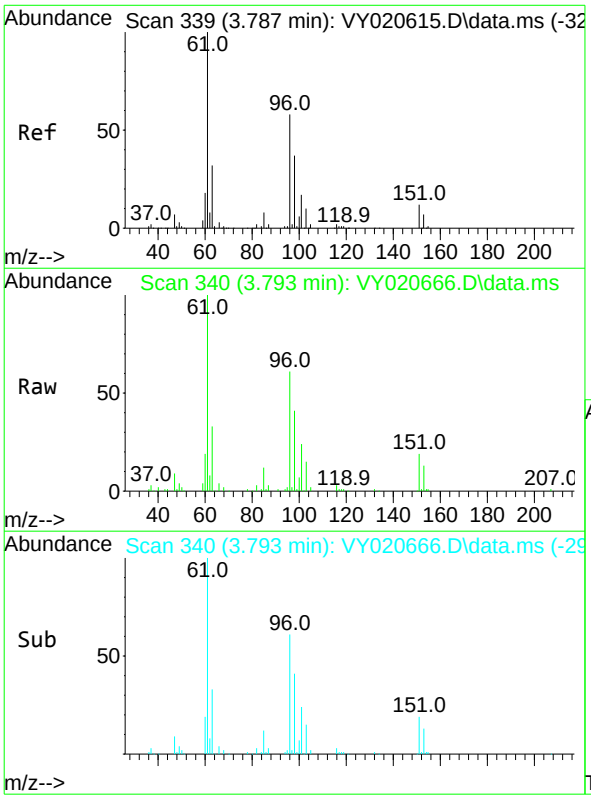
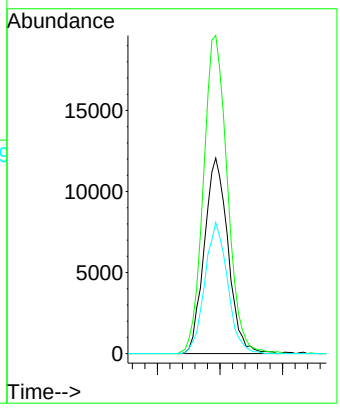
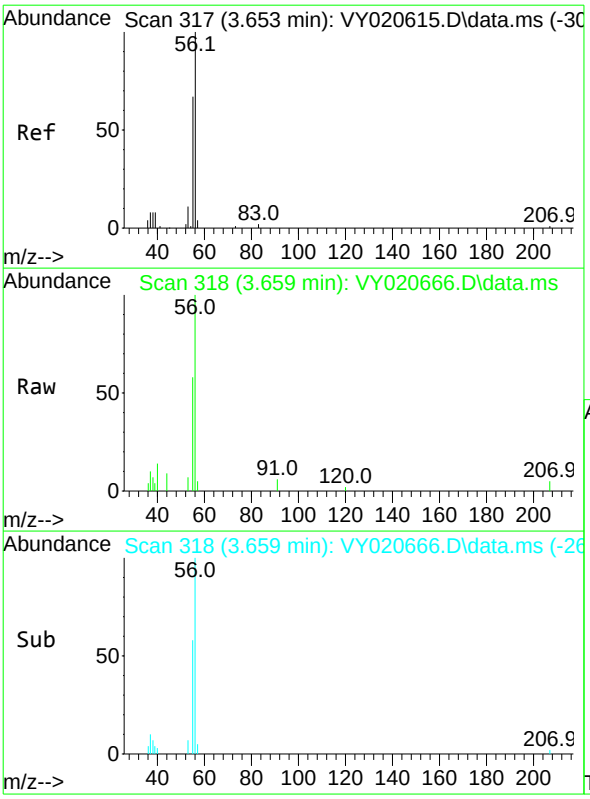


#12
1,1-Dichloroethene
Concen: 16.099 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

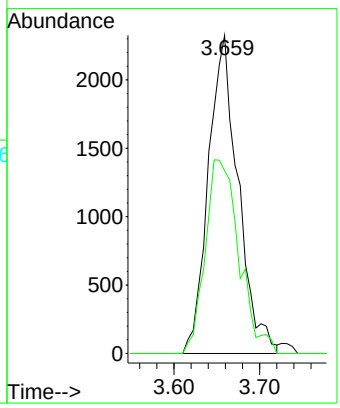




#13
Acrolein
Concen: 69.014 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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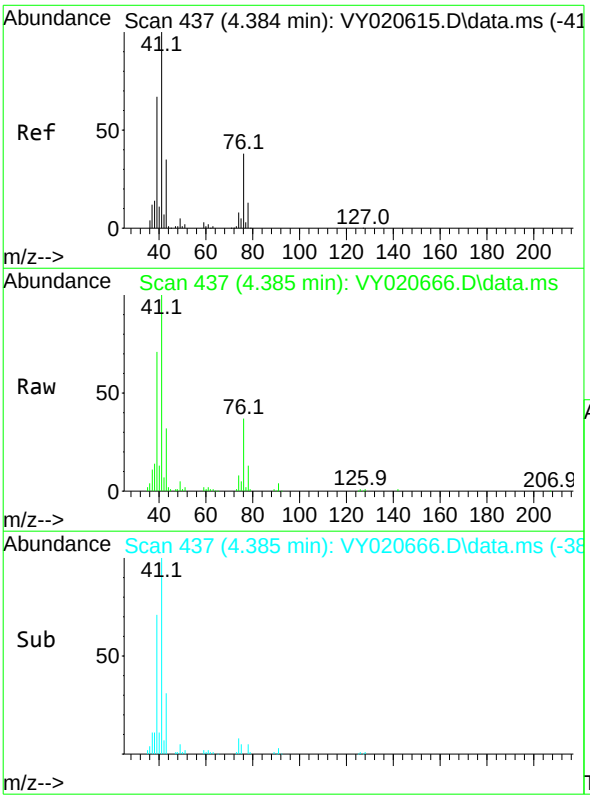
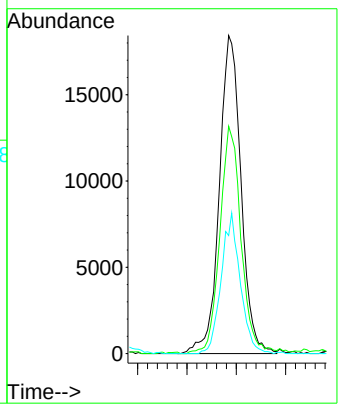
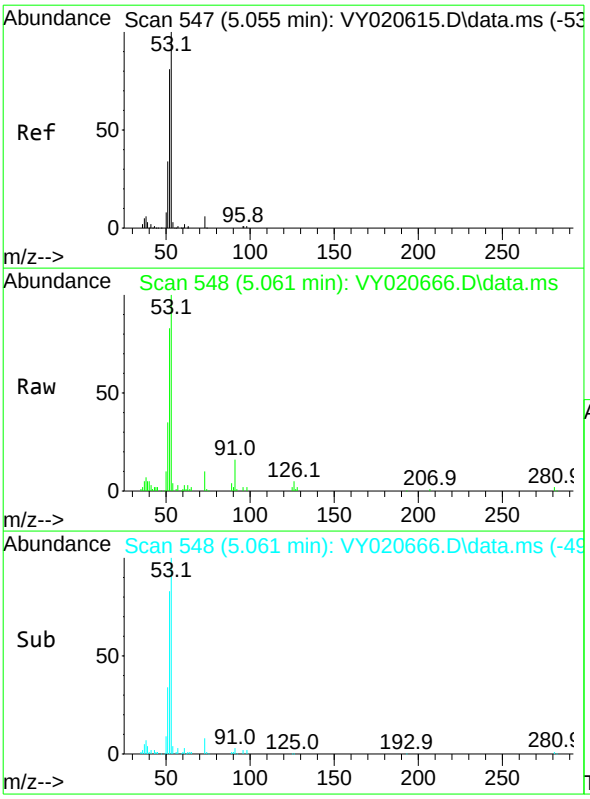


#14
Allyl chloride
Concen: 16.326 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

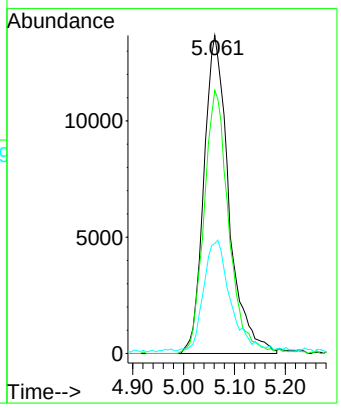




#15
Acrylonitrile
Concen: 97.887 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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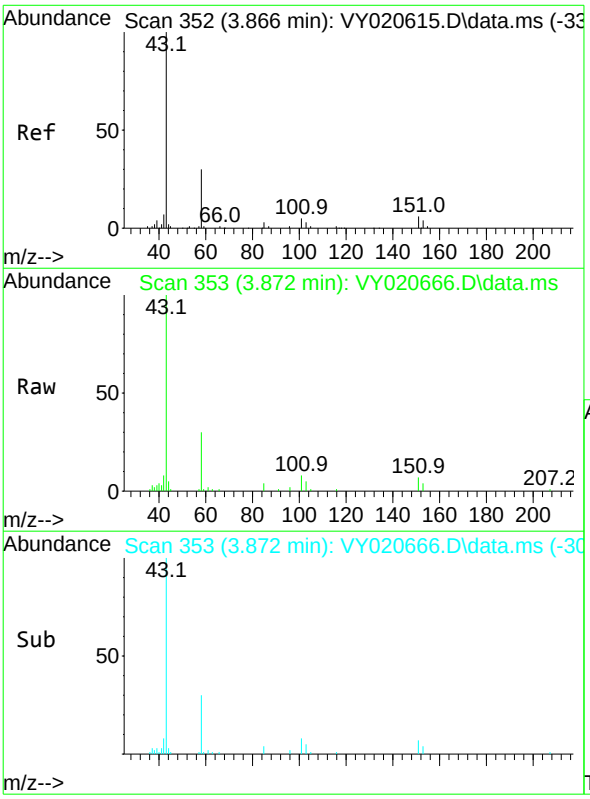
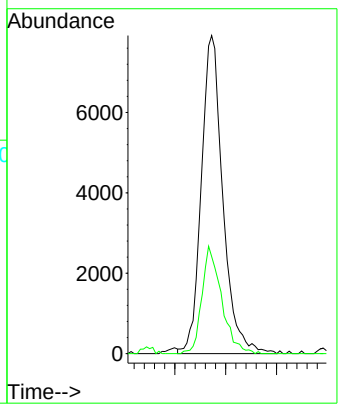
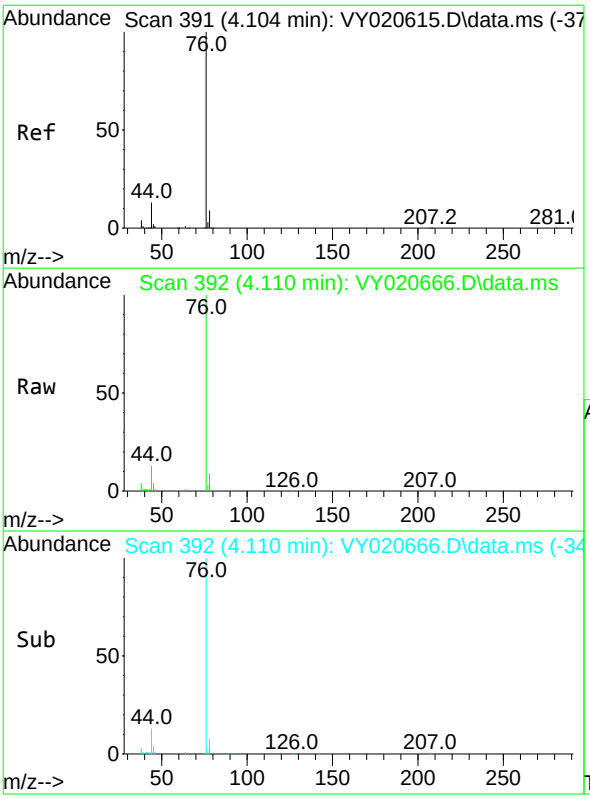


#16
Acetone
Concen: 63.034 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 23242

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.0	37.6

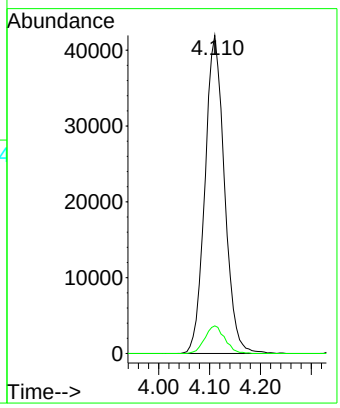




#17
Carbon Disulfide
Concen: 17.411 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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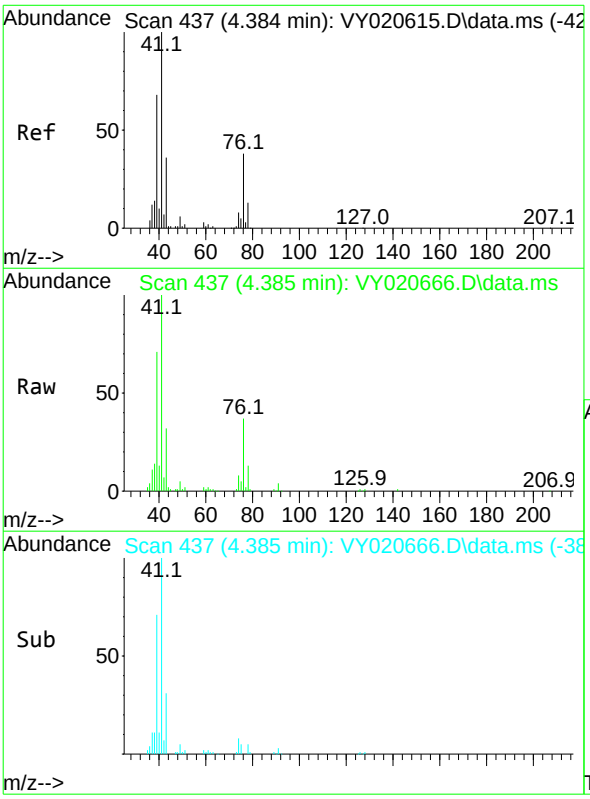
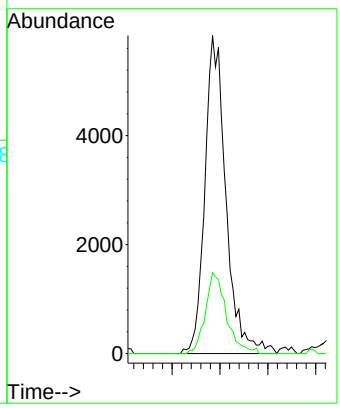
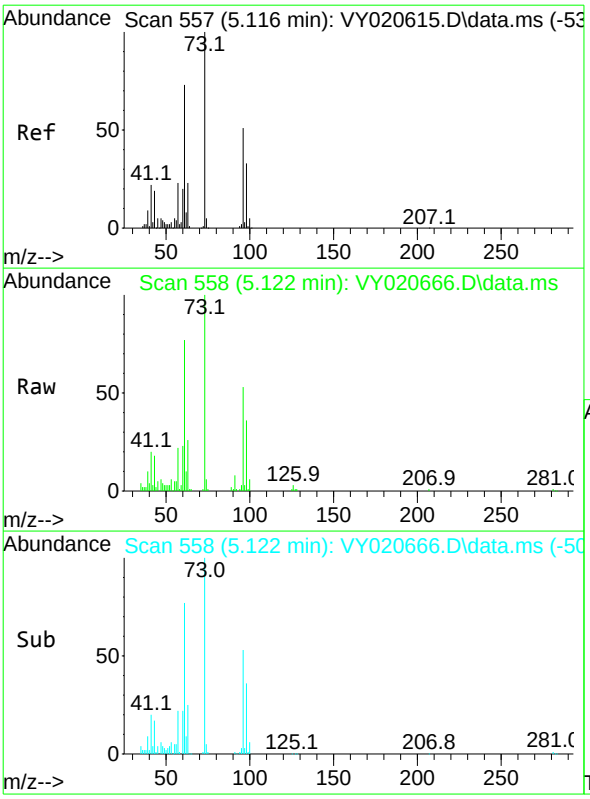


#18
Methyl Acetate
Concen: 15.218 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 17854

Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8

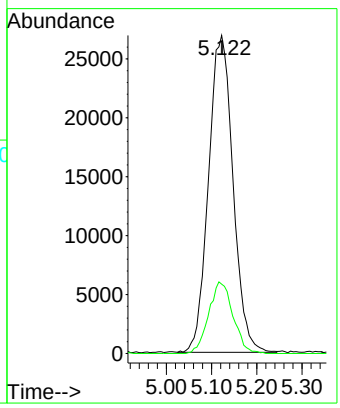




#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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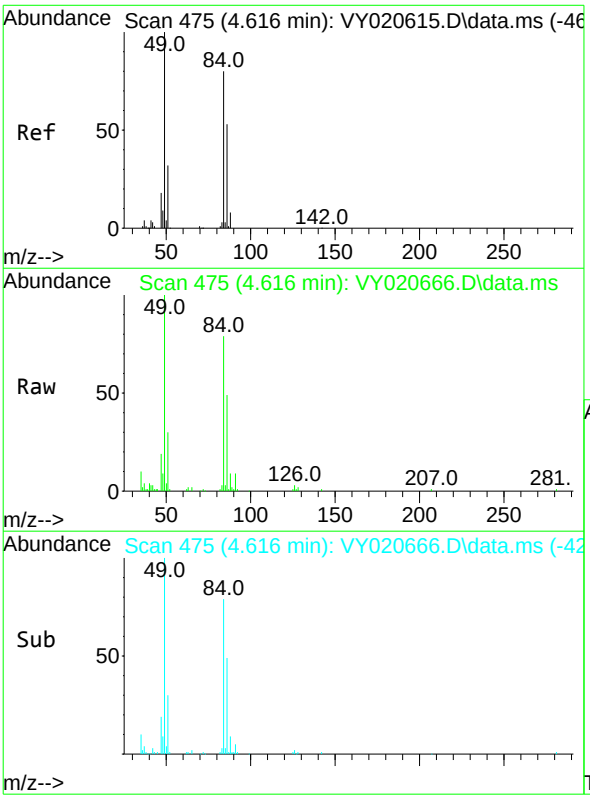
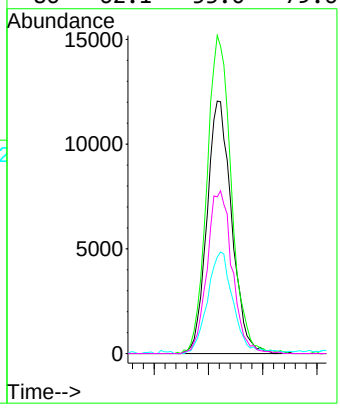
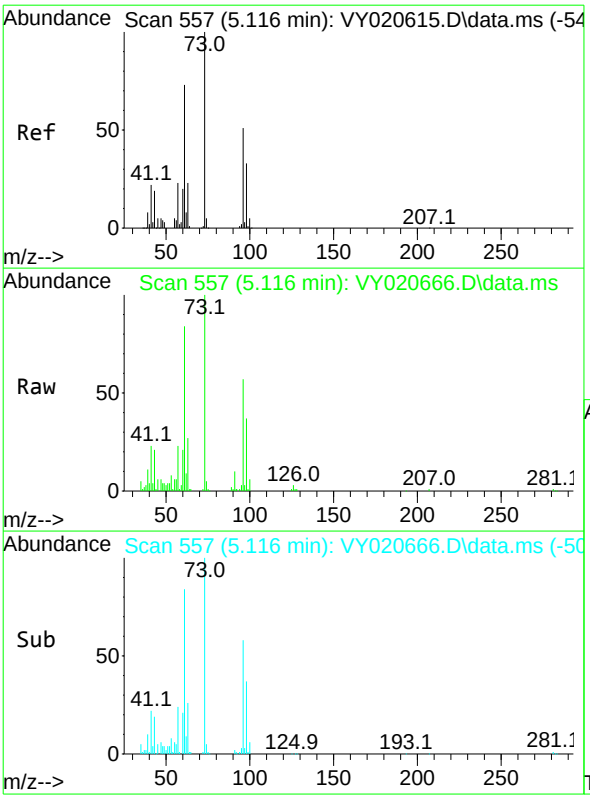


#20
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

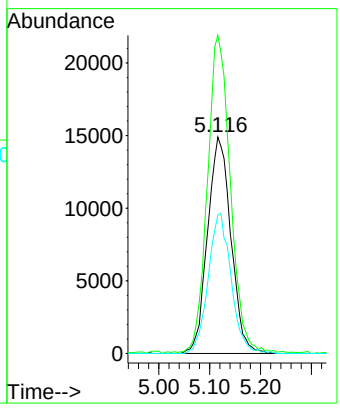




#21
trans-1,2-Dichloroethene
Concen: 21.482 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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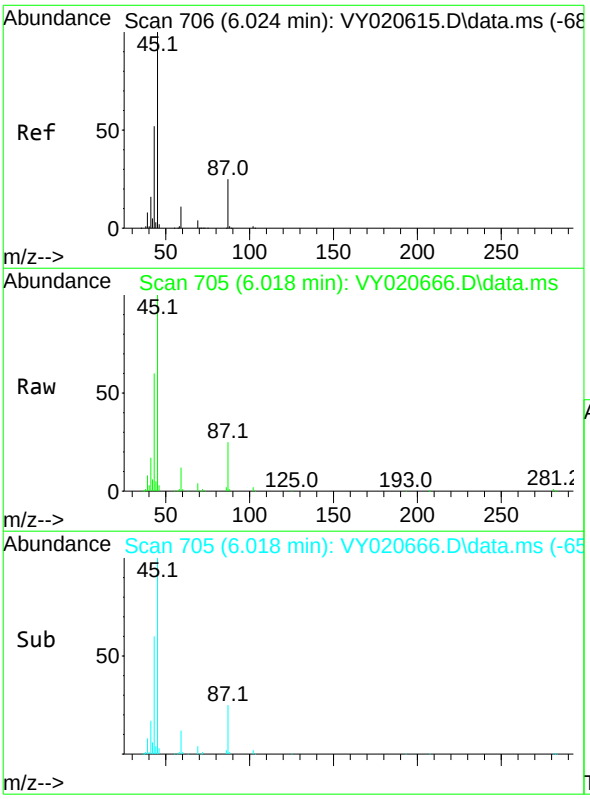
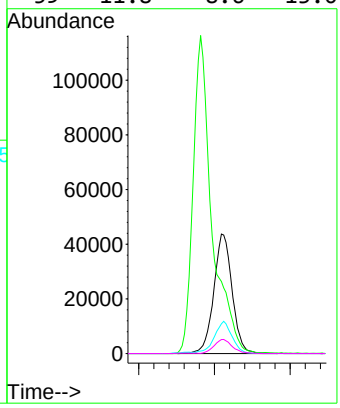
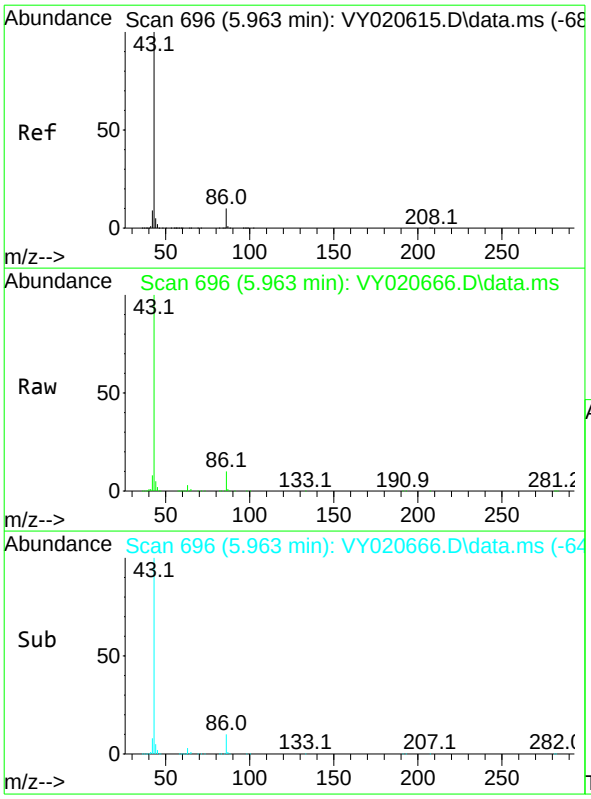


#22
Diisopropyl ether
Concen: 20.998 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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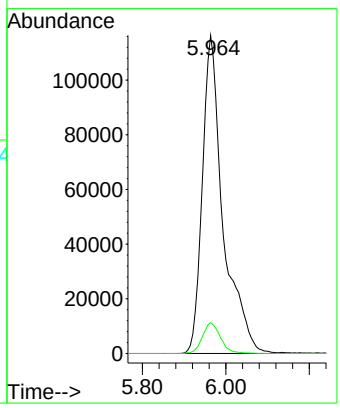
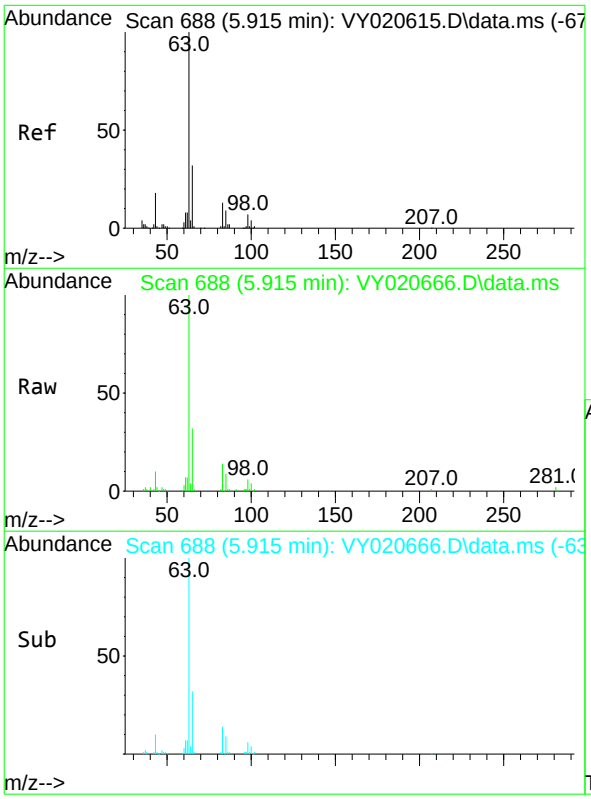
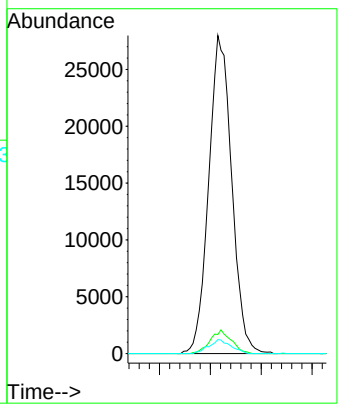


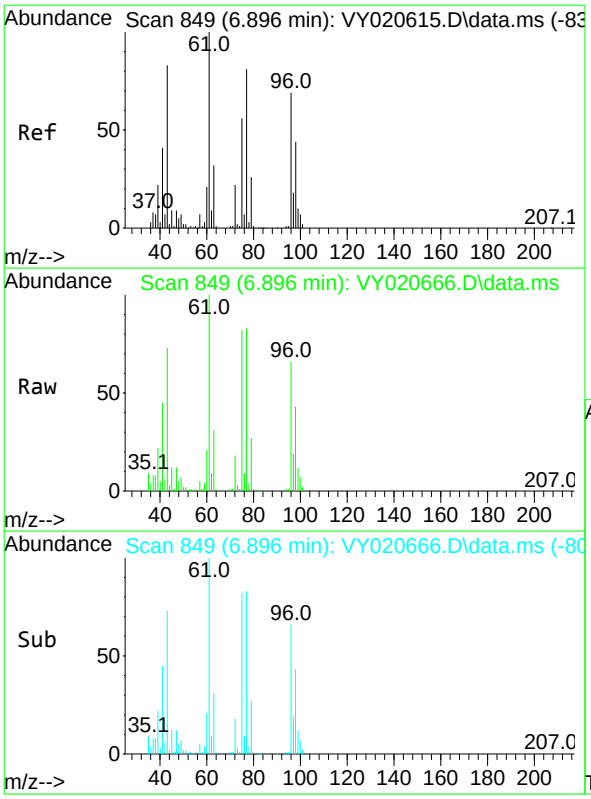


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

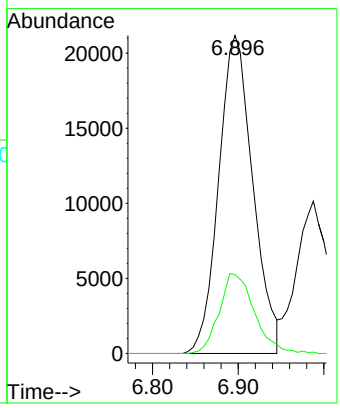




#25
2-Butanone
Concen: 91.655 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 58734

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
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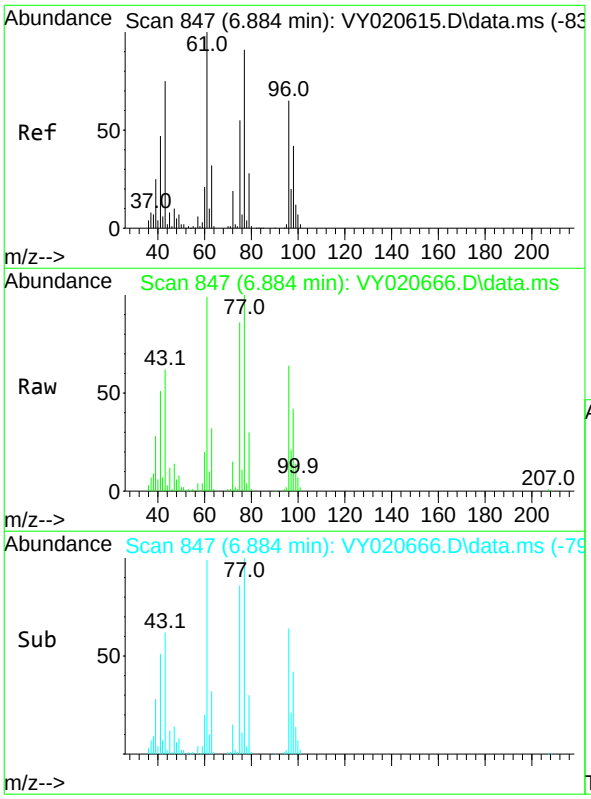
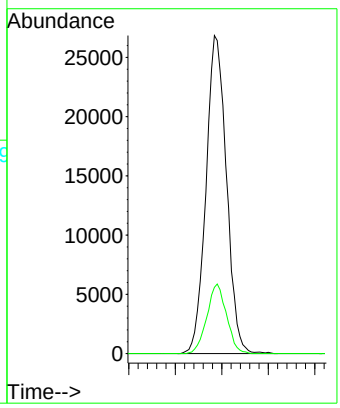
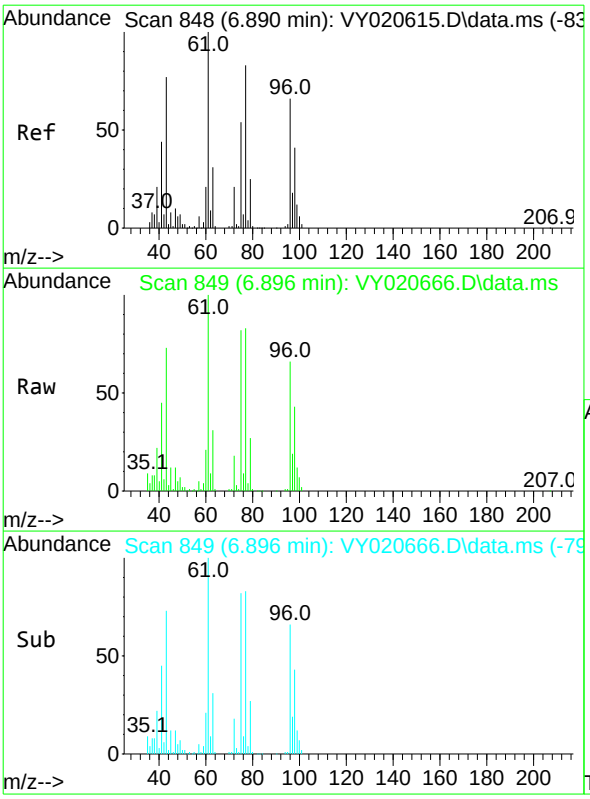


#26
2,2-Dichloropropane
Concen: 21.104 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 77 Resp: 82041

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.6

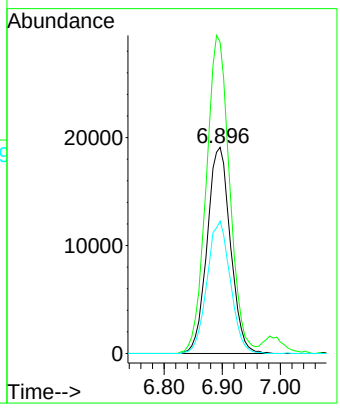




#27
cis-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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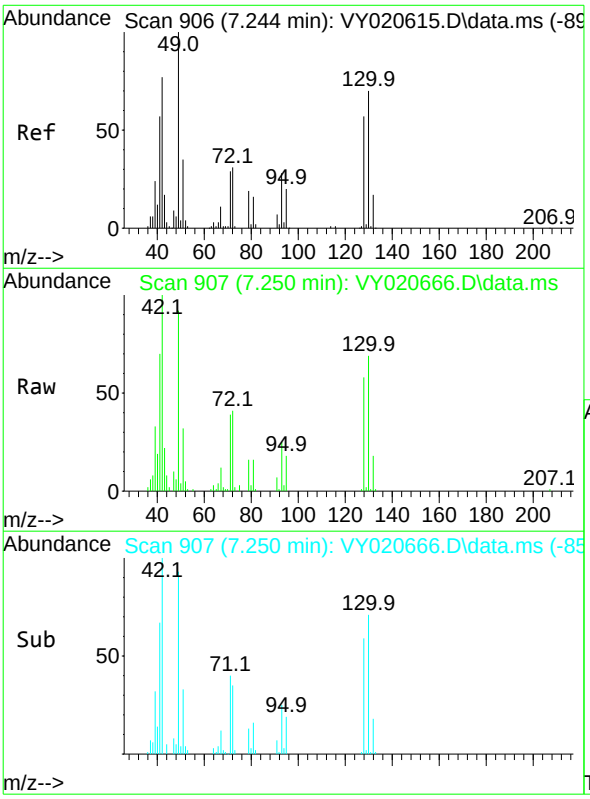
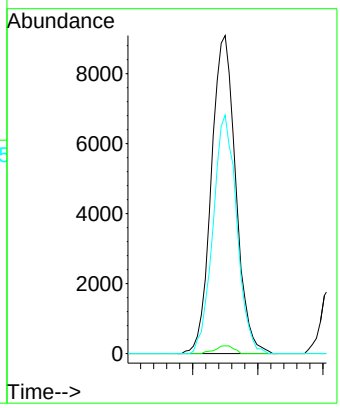
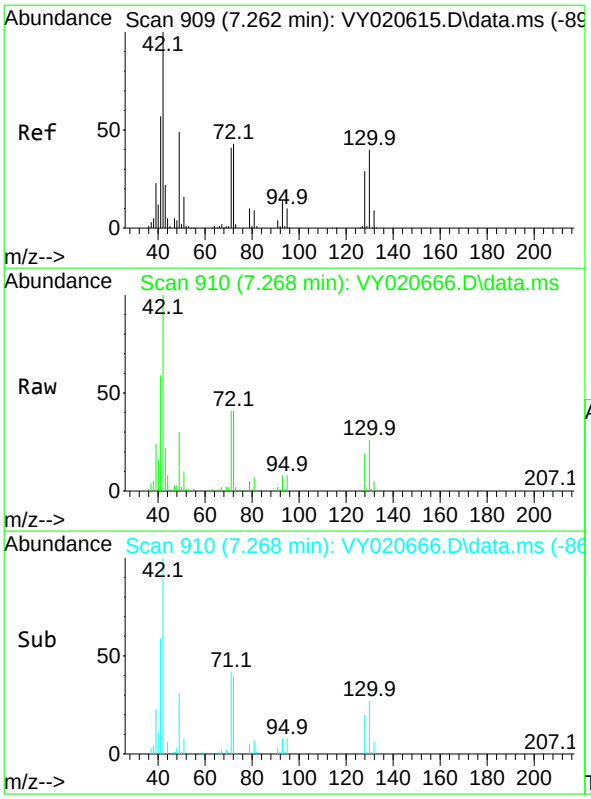


#28
Bromochloromethane
Concen: 17.030 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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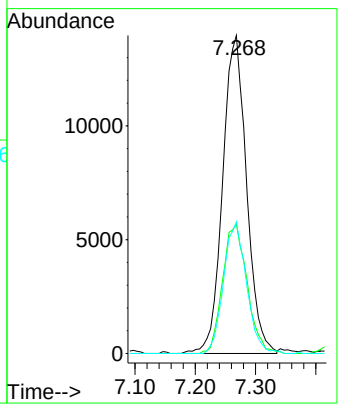
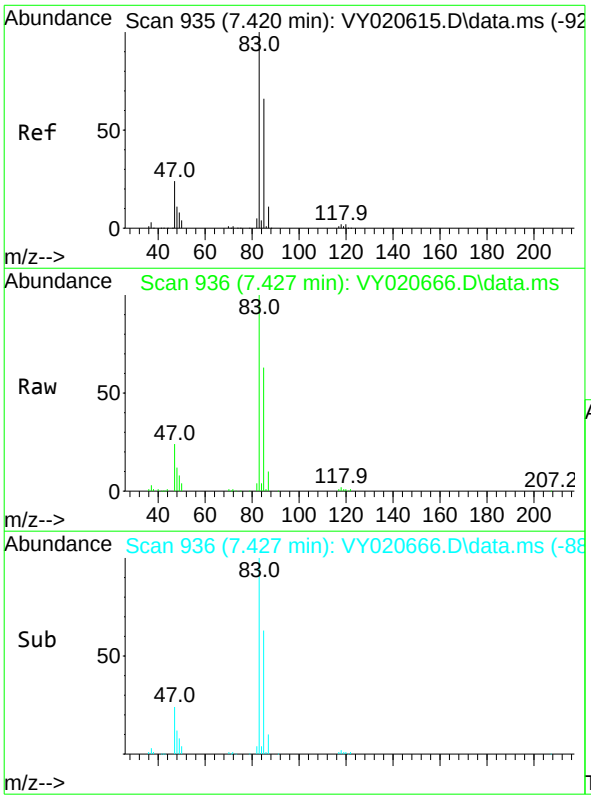
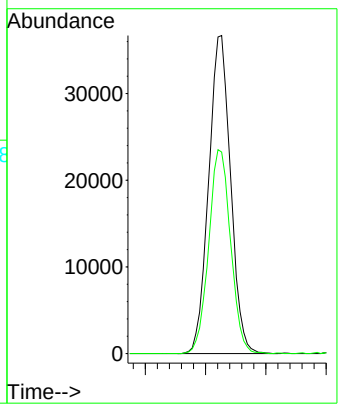


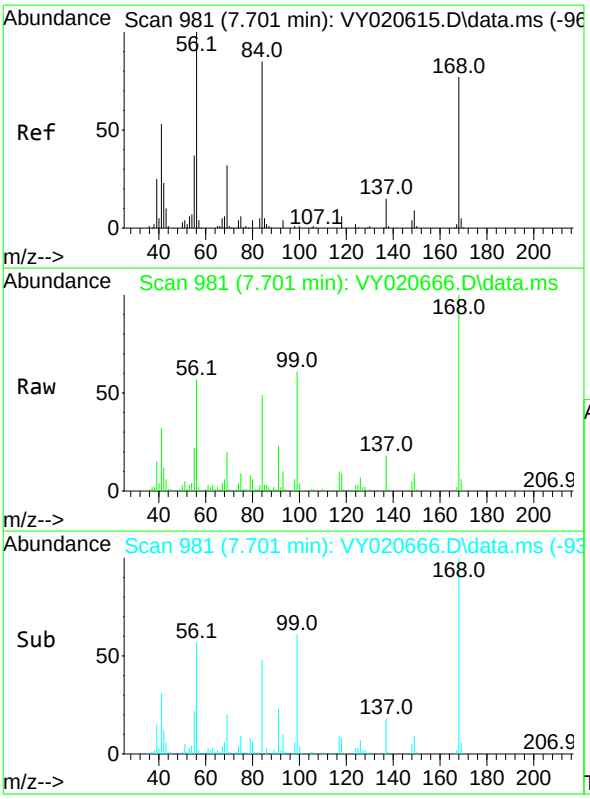


#30
Chloroform
Concen: 19.148 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 92559

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1

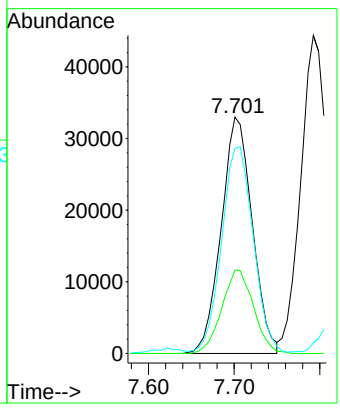




#31
Cyclohexane
Concen: 21.116 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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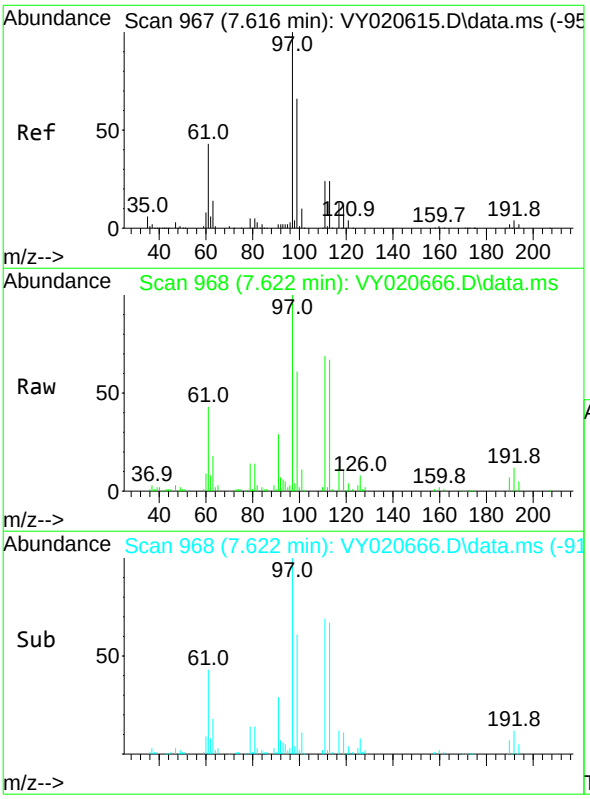
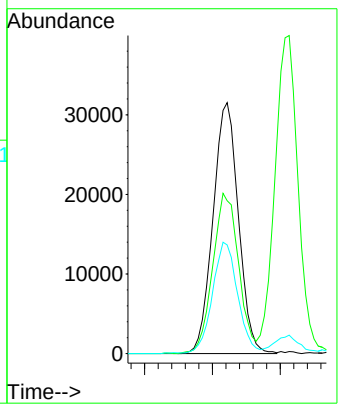
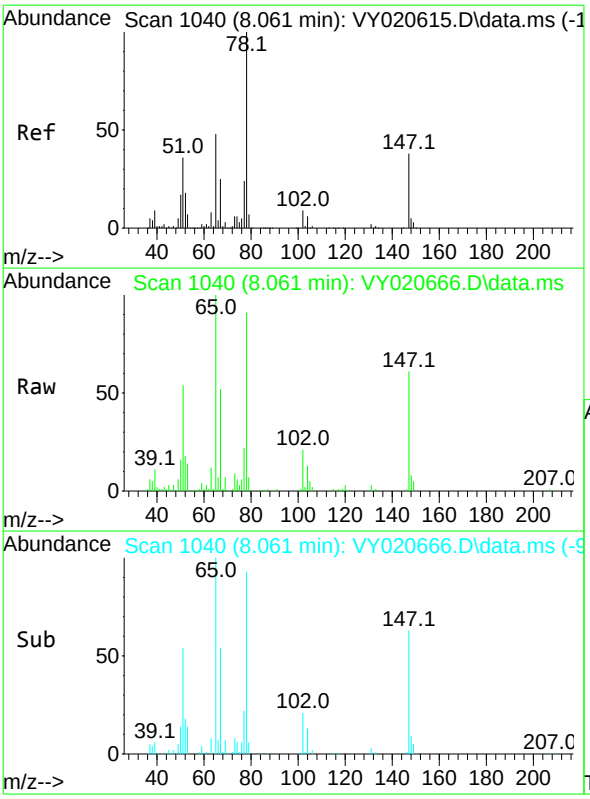


#32
1,1,1-Trichloroethane
Concen: 21.694 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

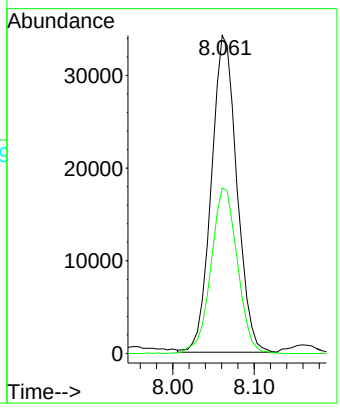




#33
1,2-Dichloroethane-d4
Concen: 43.102 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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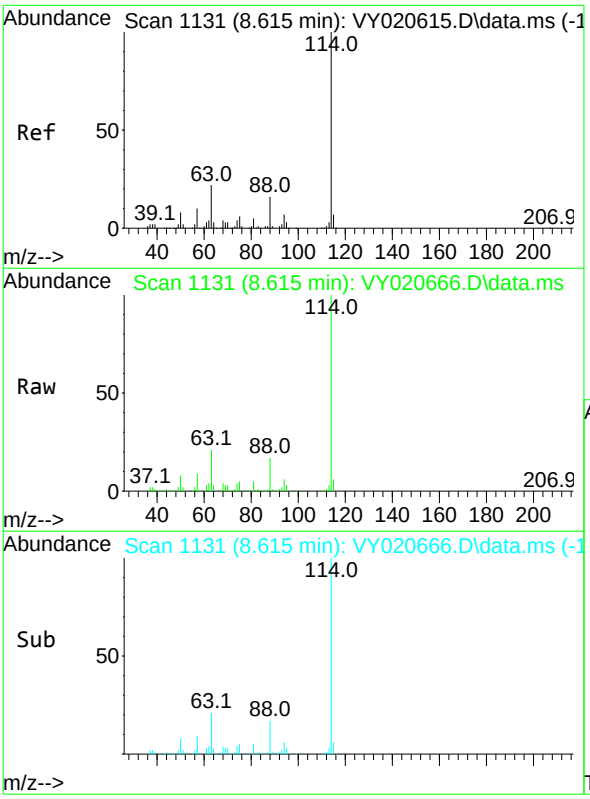
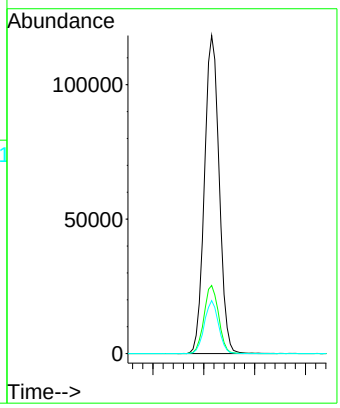
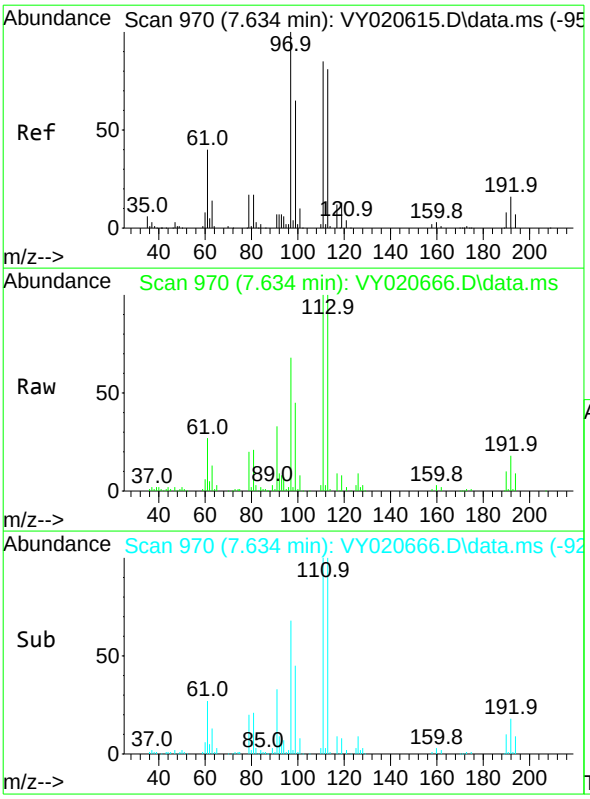


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

Manual Integrations
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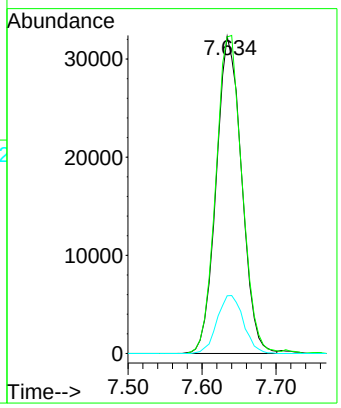
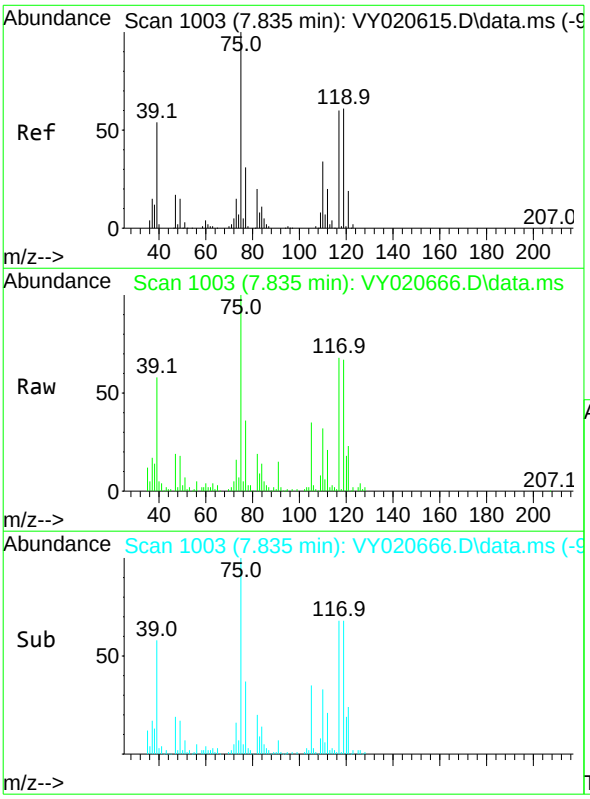
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

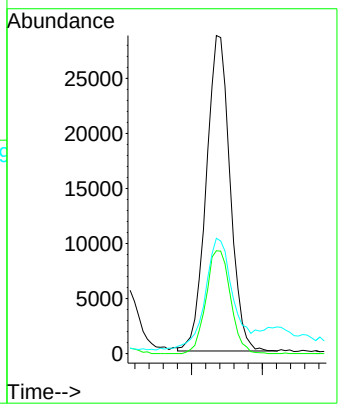


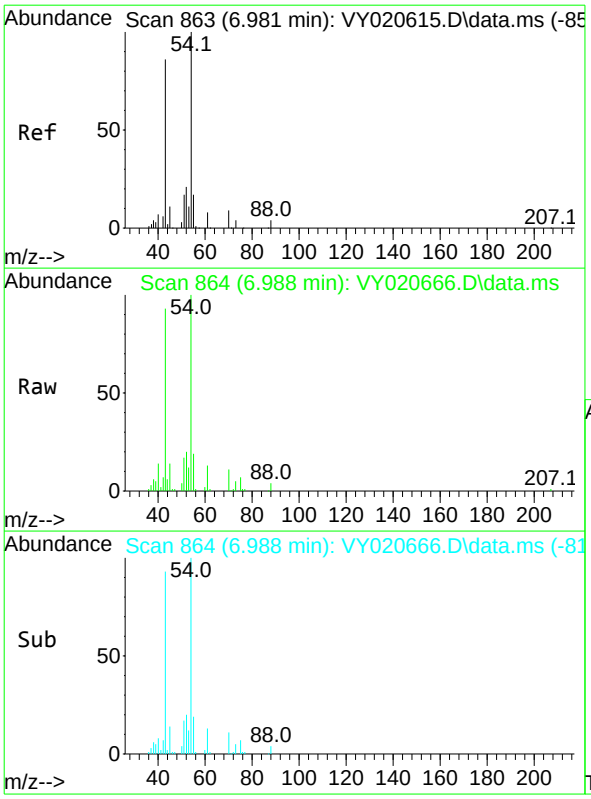


#36
1,1-Dichloropropene
Concen: 21.973 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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#

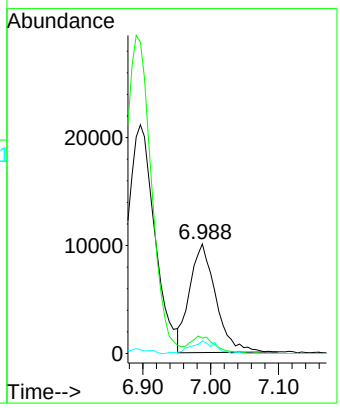




#37
Ethyl Acetate
Concen: 18.775 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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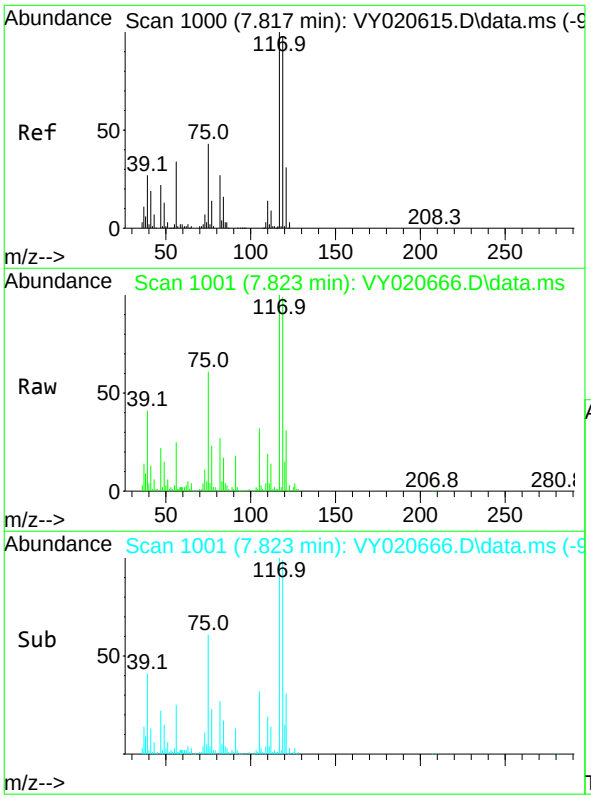
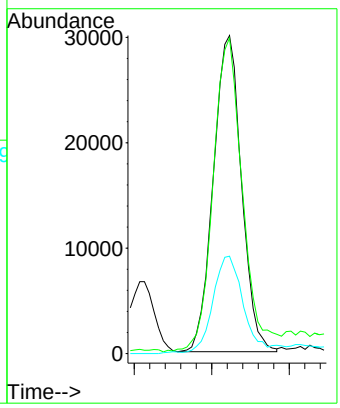
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

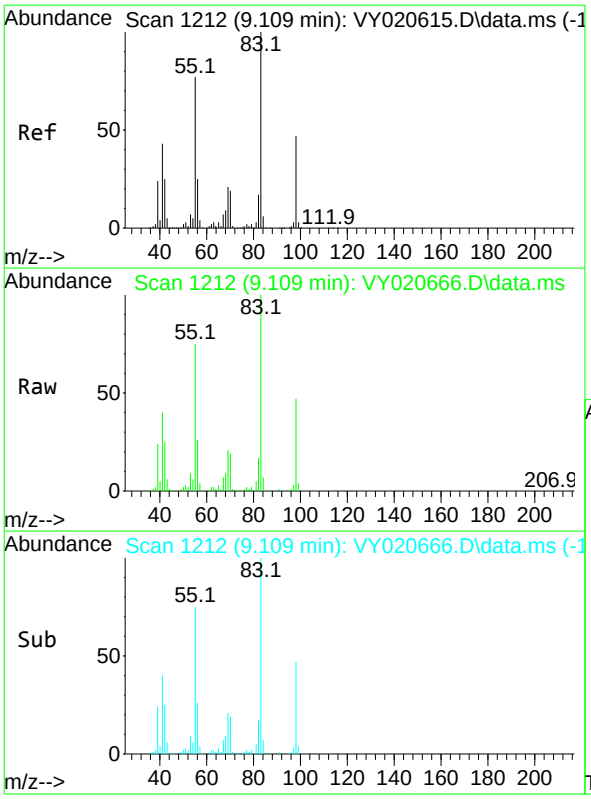


#38
Carbon Tetrachloride
Concen: 22.399 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

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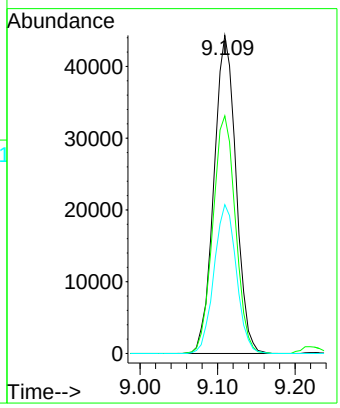
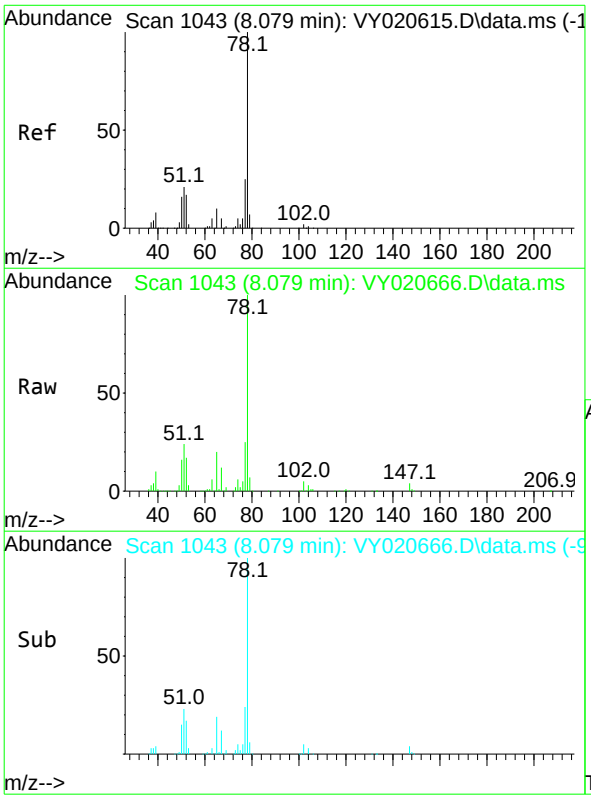
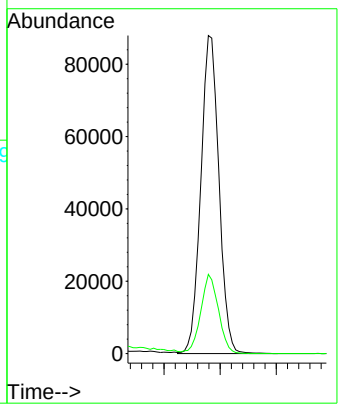


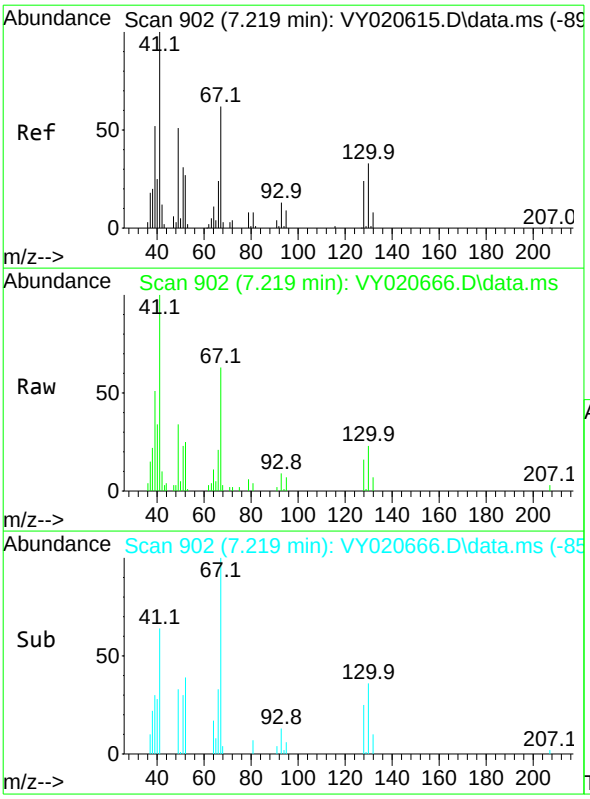


#40
Benzene
Concen: 22.058 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 78 Resp: 197331

Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.1	30.1

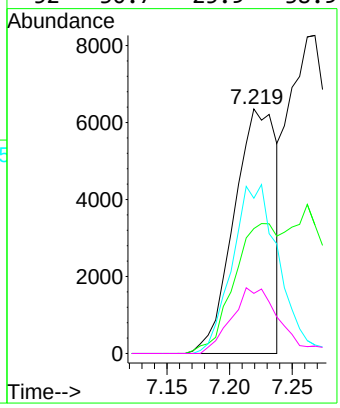




#41
Methacrylonitrile
Concen: 19.610 ug/l
RT: 7.219 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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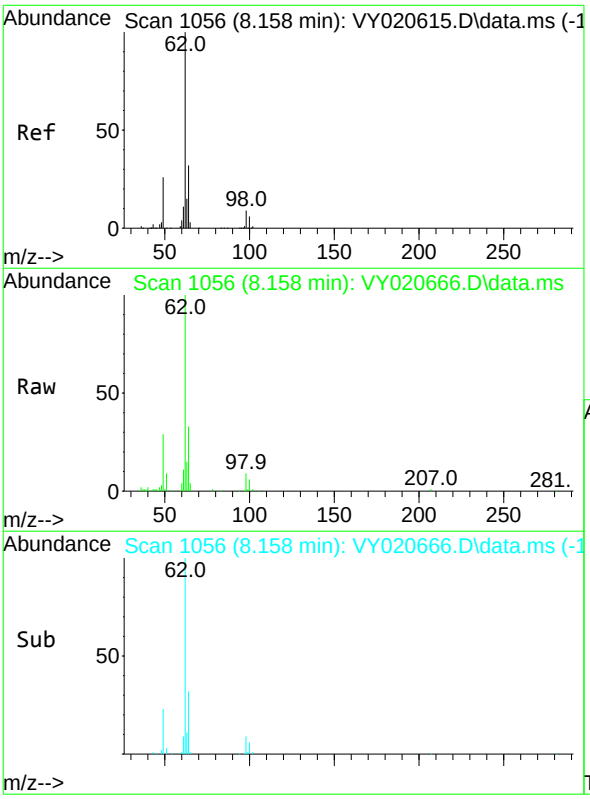
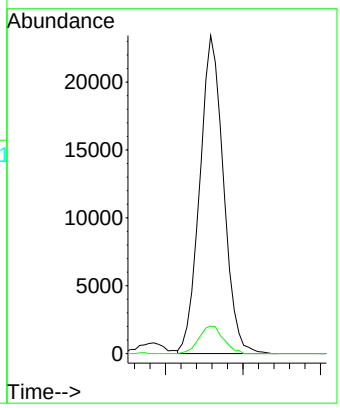
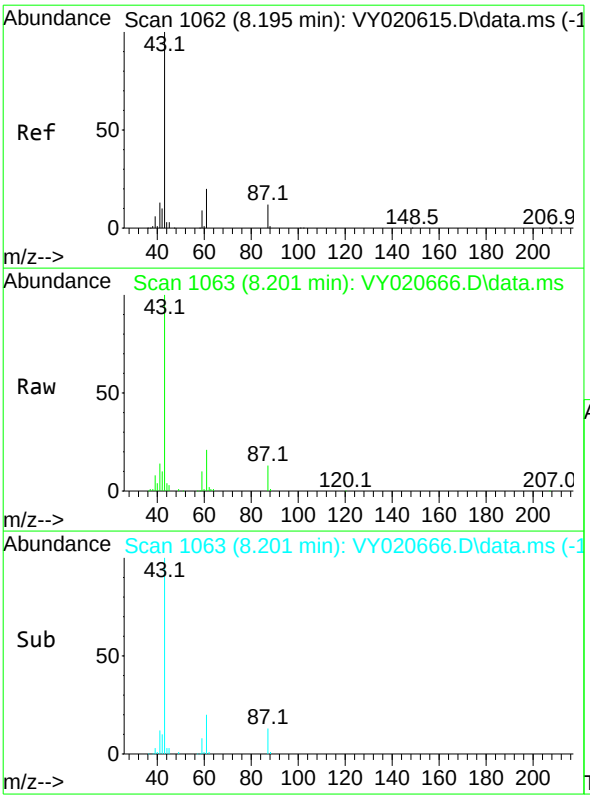


#42
1,2-Dichloroethane
Concen: 20.991 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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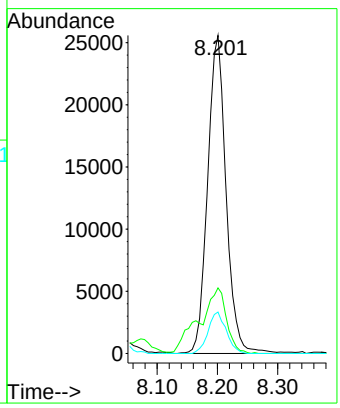
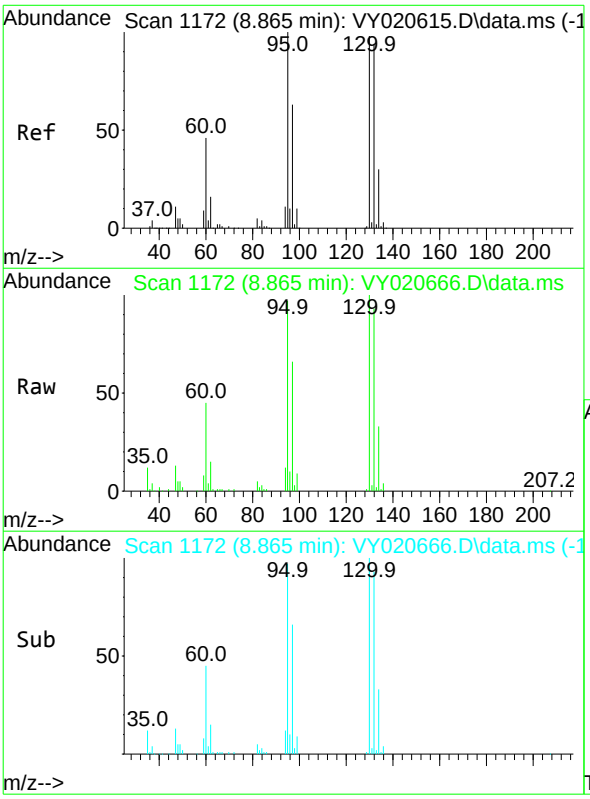
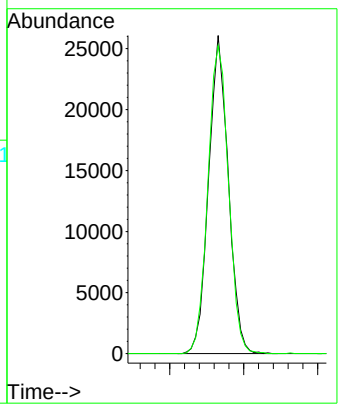


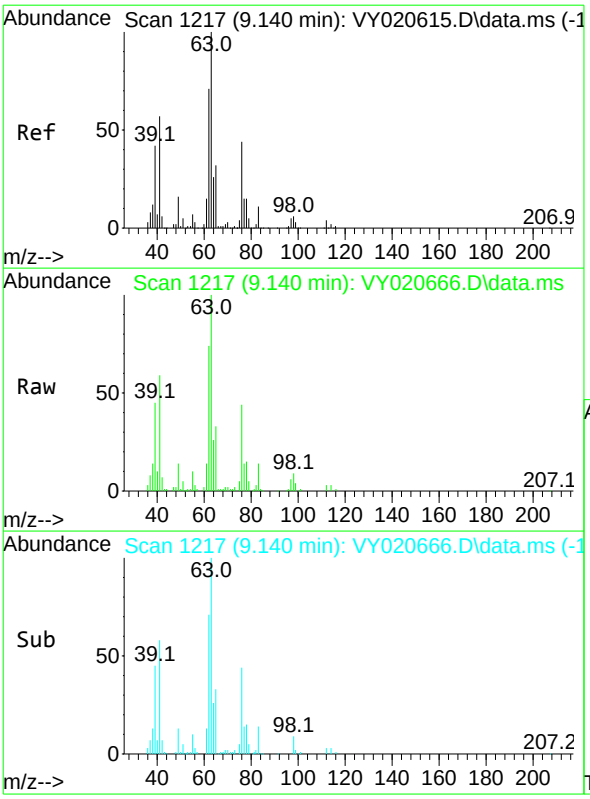


#44
Trichloroethene
Concen: 21.921 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:130 Resp: 48185

Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	203.2

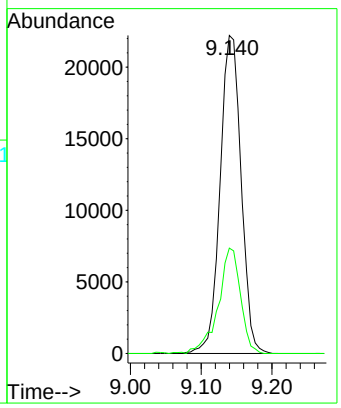




#45
1,2-Dichloropropane
Concen: 21.896 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 45779

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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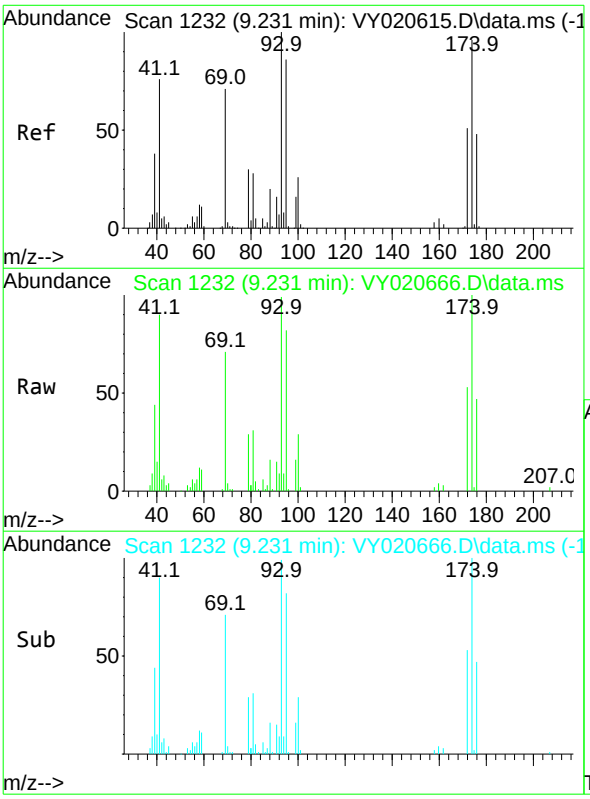
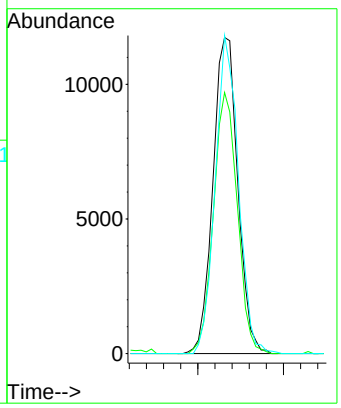
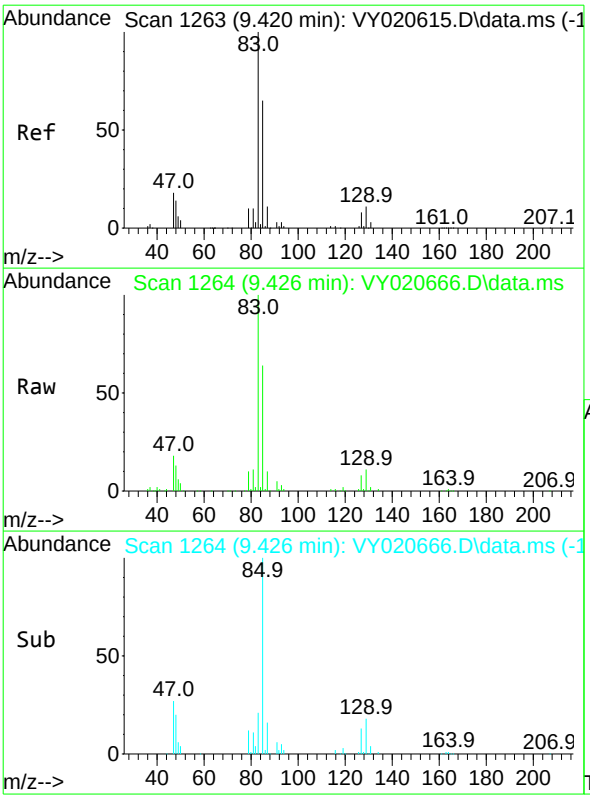


#46
Dibromomethane
Concen: 21.396 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

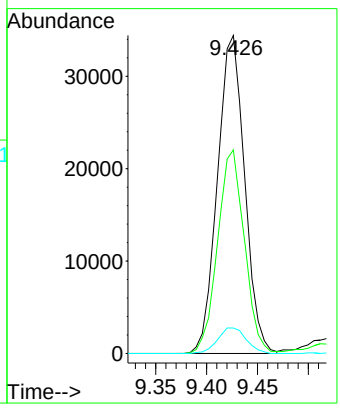




#47
Bromodichloromethane
Concen: 21.429 ug/l
RT: 9.426 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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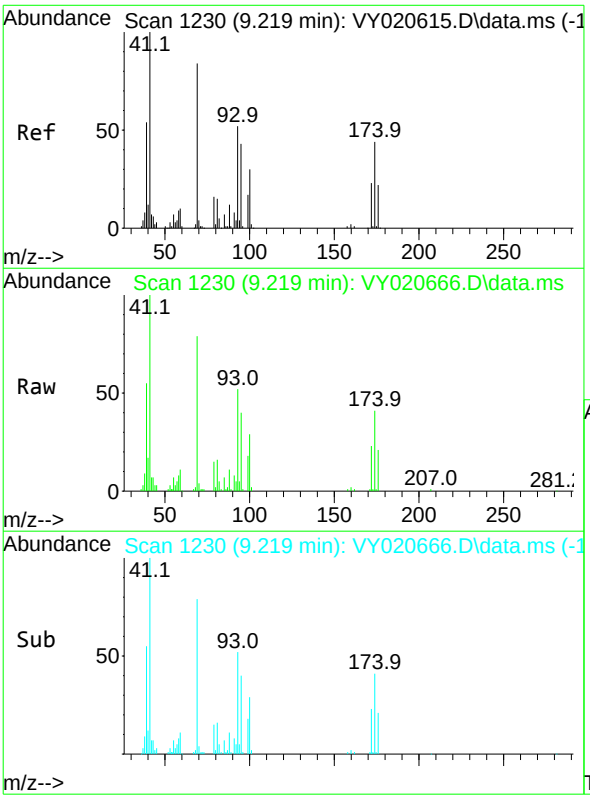
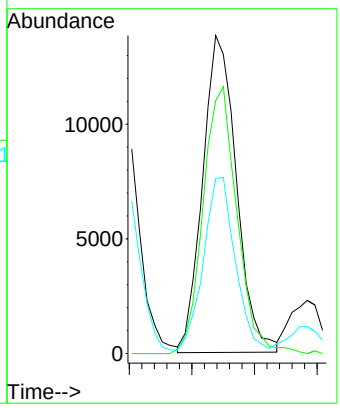
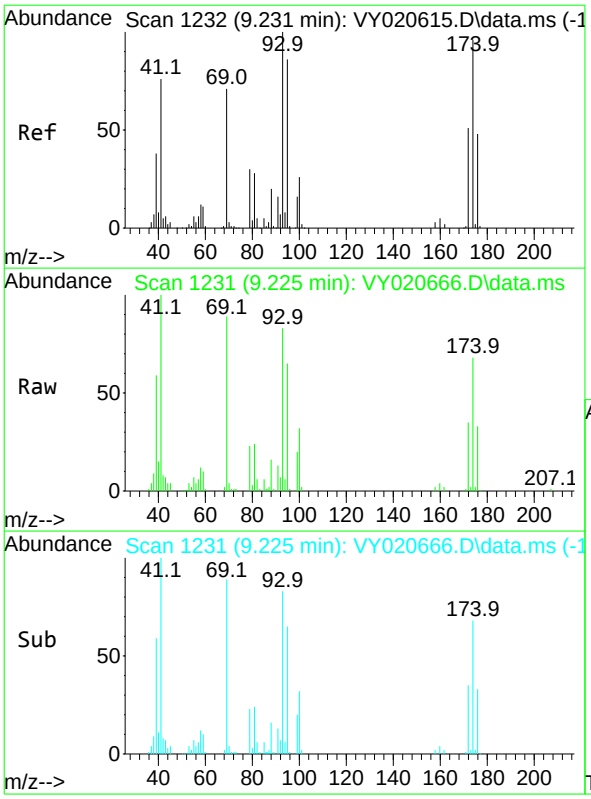


#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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
ClientSampleId :
VY1220SBS01

Manual Integrations
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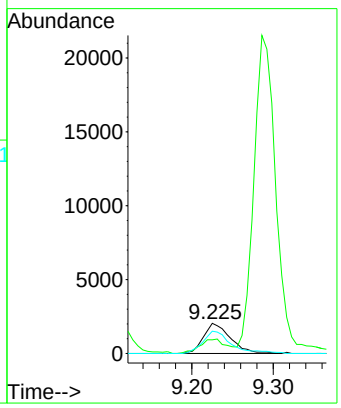
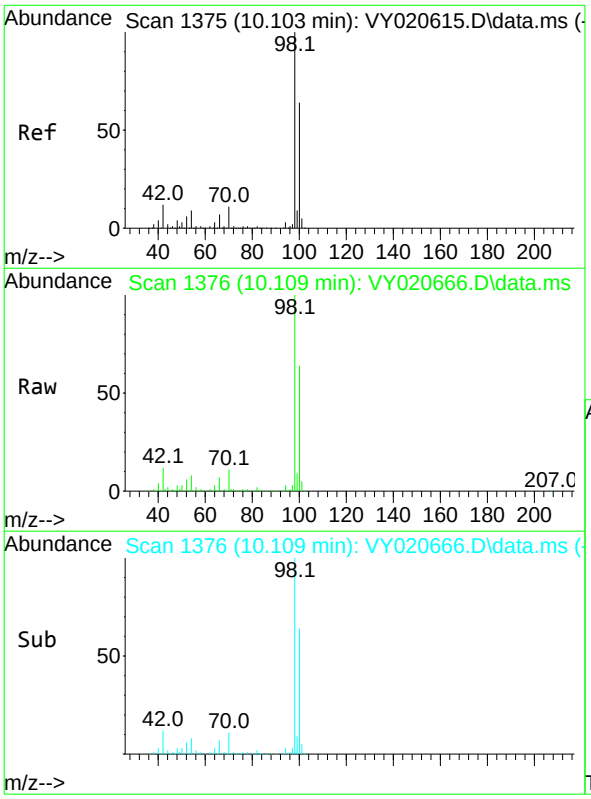
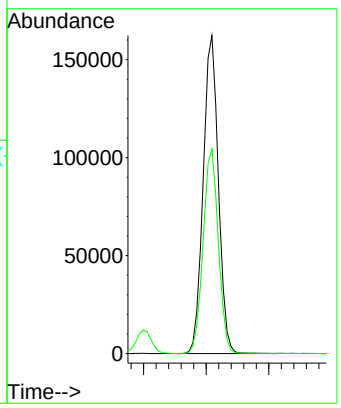


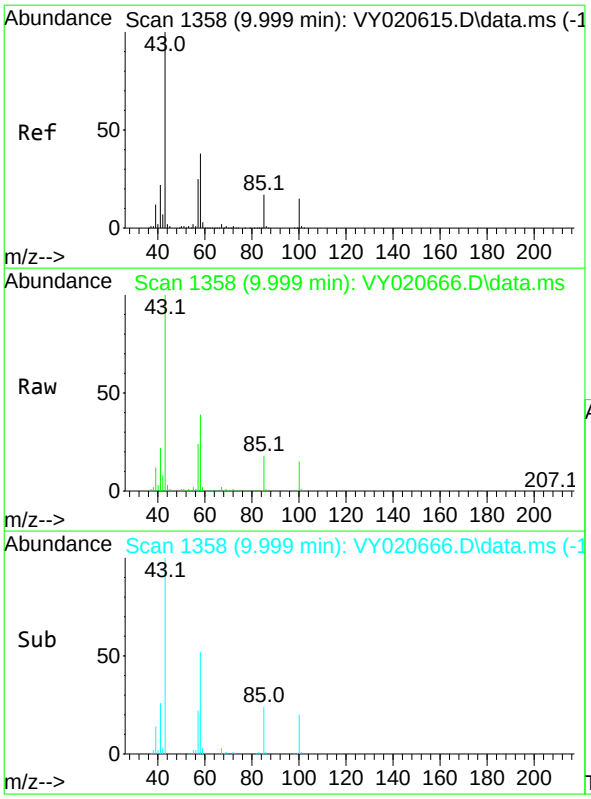


#50
Toluene-d8
Concen: 46.643 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 98 Resp: 273250

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

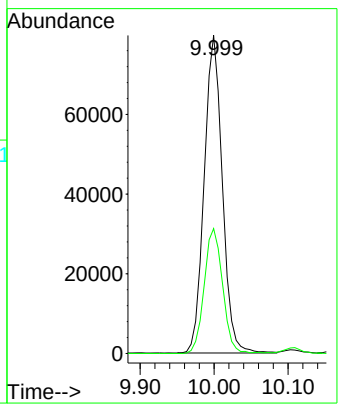




#51
4-Methyl-2-Pentanone
Concen: 94.726 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 135892

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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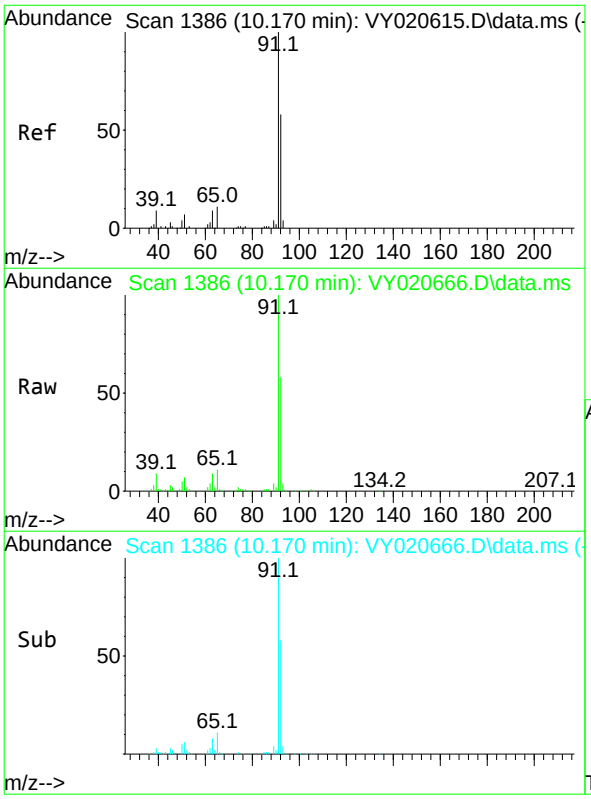
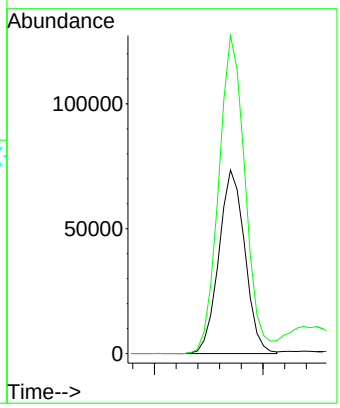
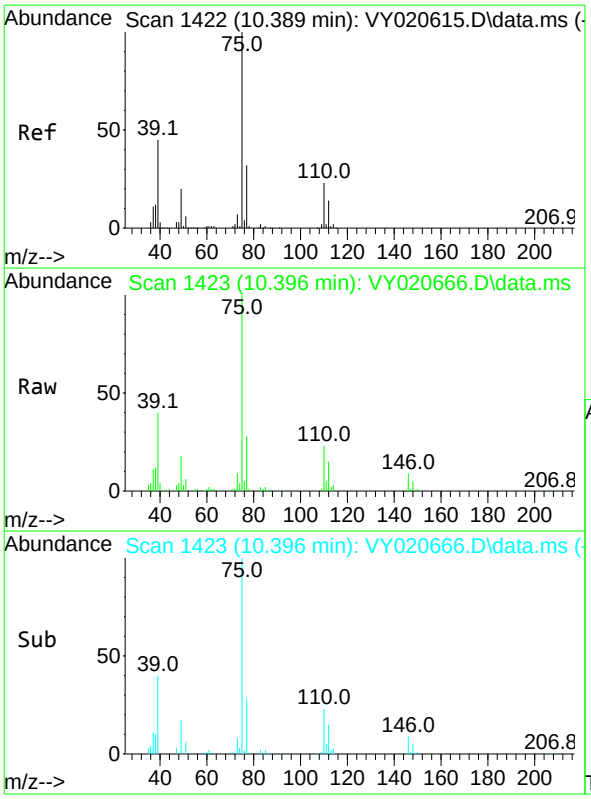


#52
Toluene
Concen: 22.055 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 92 Resp: 122615

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.4	206.0

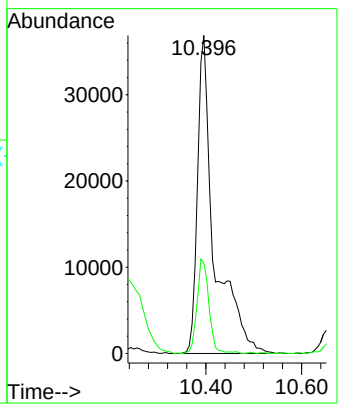




#53
t-1,3-Dichloropropene
Concen: 32.354 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 89982

Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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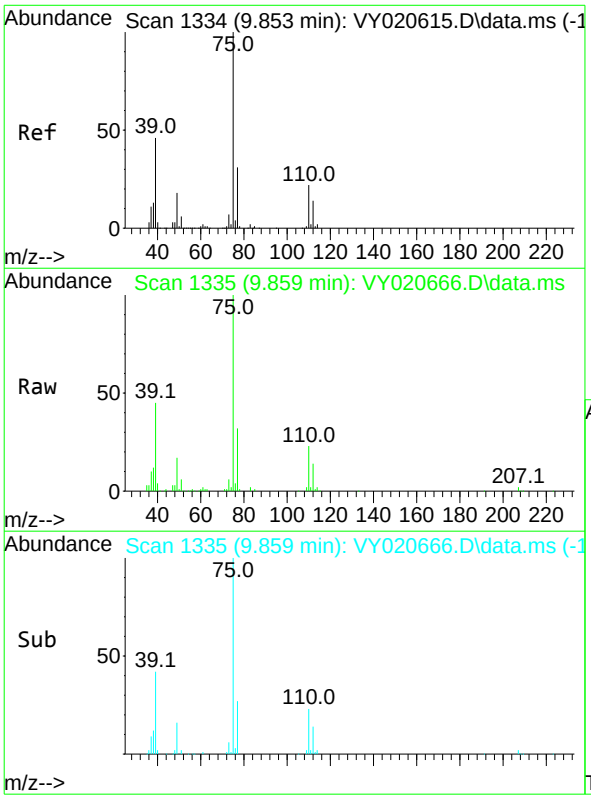
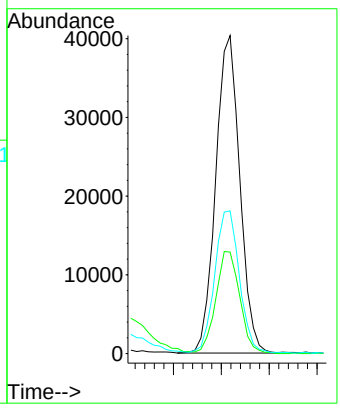
Supervised By :Mahesh Dadoda 12/24/2024

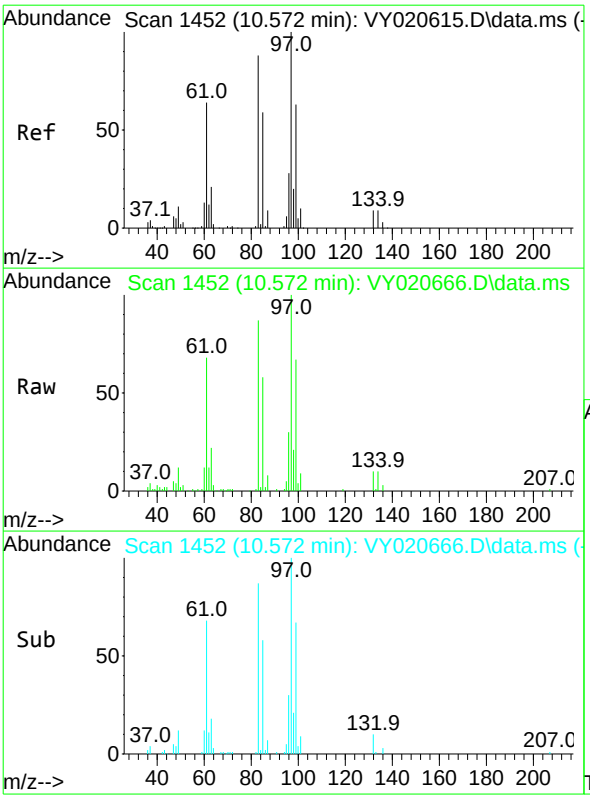


#54
cis-1,3-Dichloropropene
Concen: 21.413 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

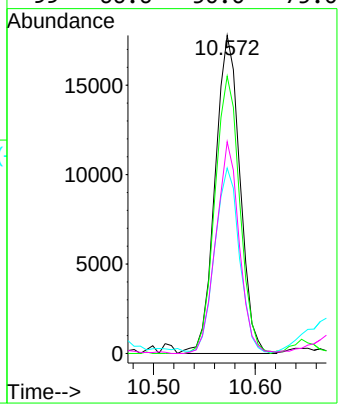




#55
1,1,2-Trichloroethane
Concen: 20.669 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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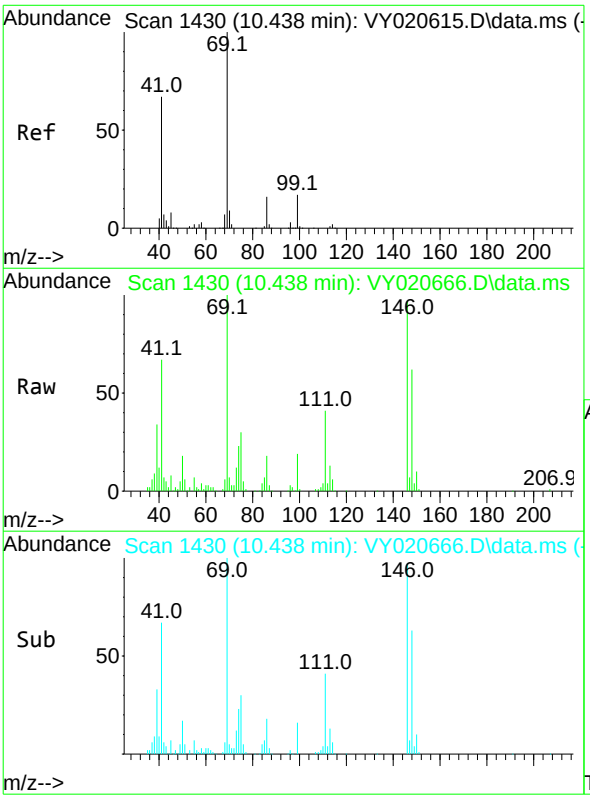
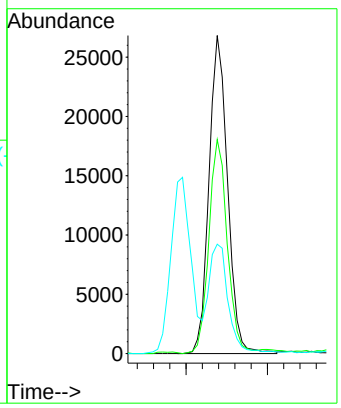
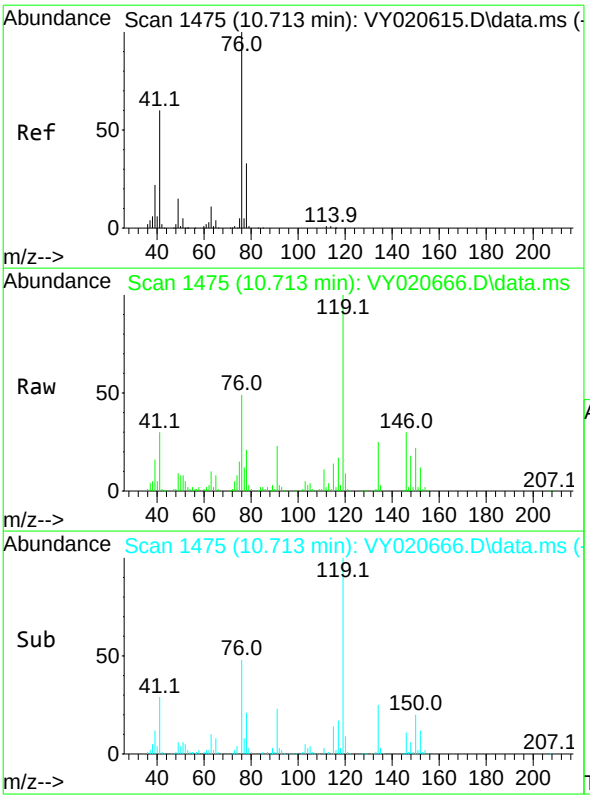


#56
Ethyl methacrylate
Concen: 20.060 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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
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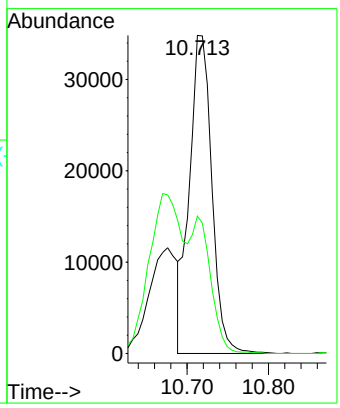
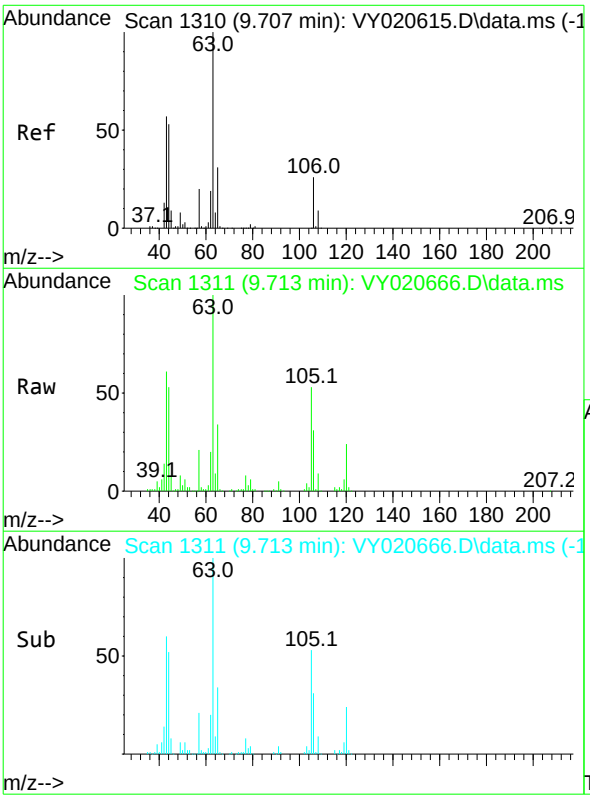
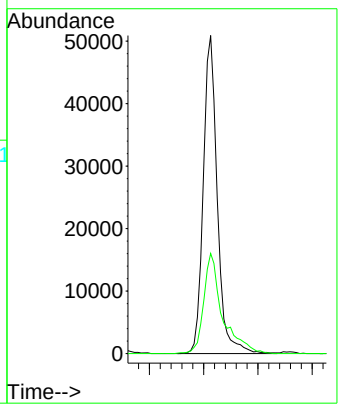


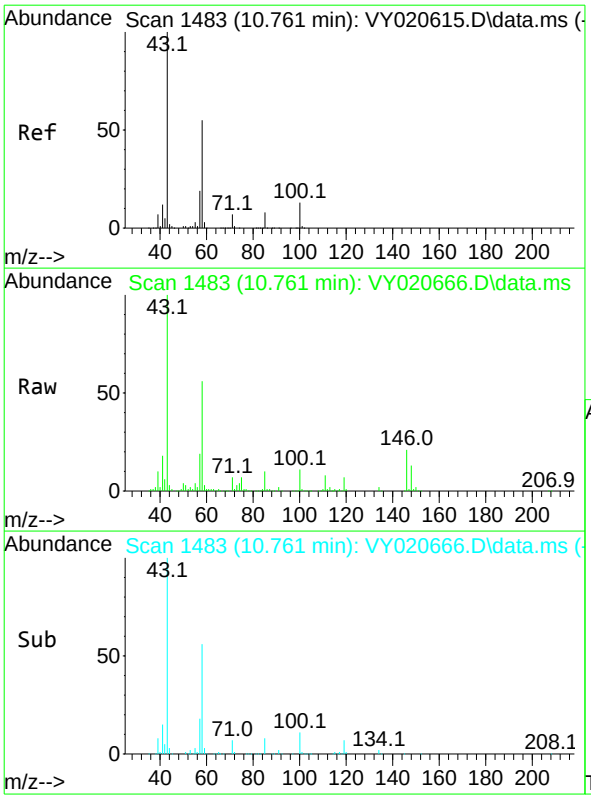


#58
2-Chloroethyl Vinyl ether
Concen: 102.533 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 91434

Ion	Ratio	Lower	Upper
63	100		
106	42.0	21.5	32.3#

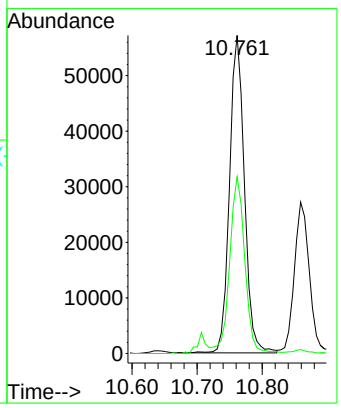




#59
2-Hexanone
Concen: 98.464 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 90691

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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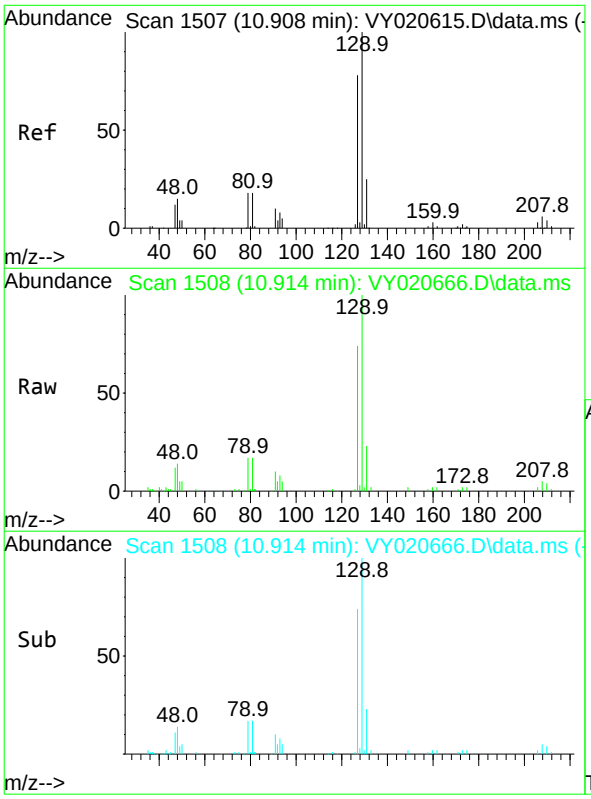
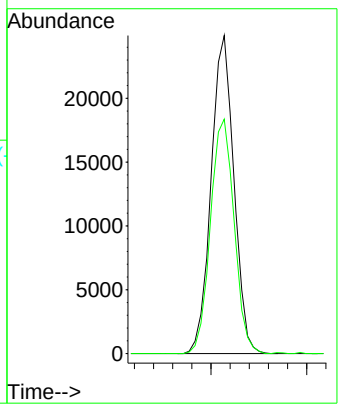
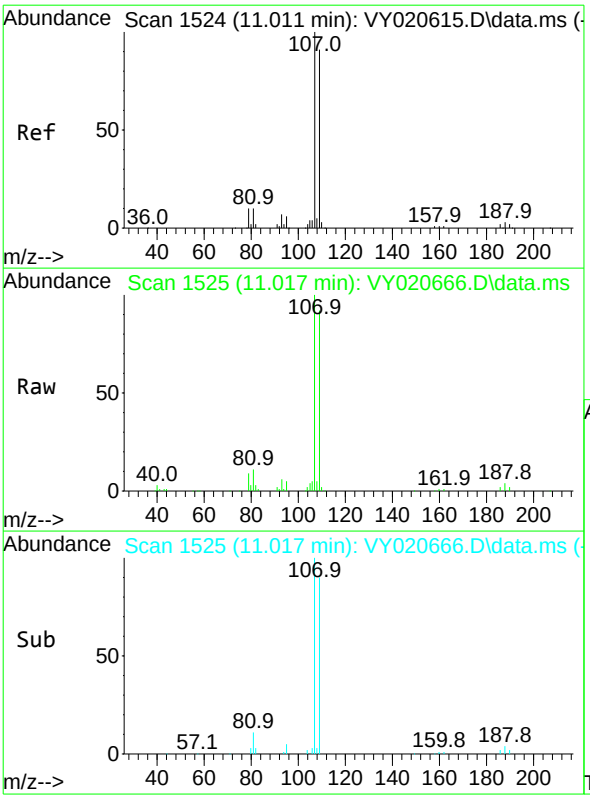


#60
Dibromochloromethane
Concen: 21.080 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:129 Resp: 41185

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3

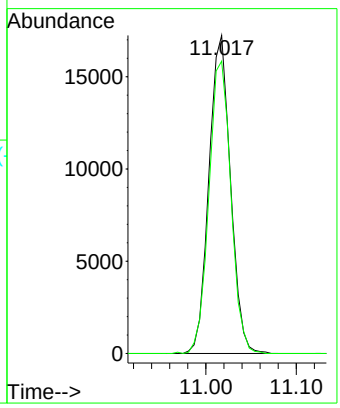




#61
1,2-Dibromoethane
Concen: 21.018 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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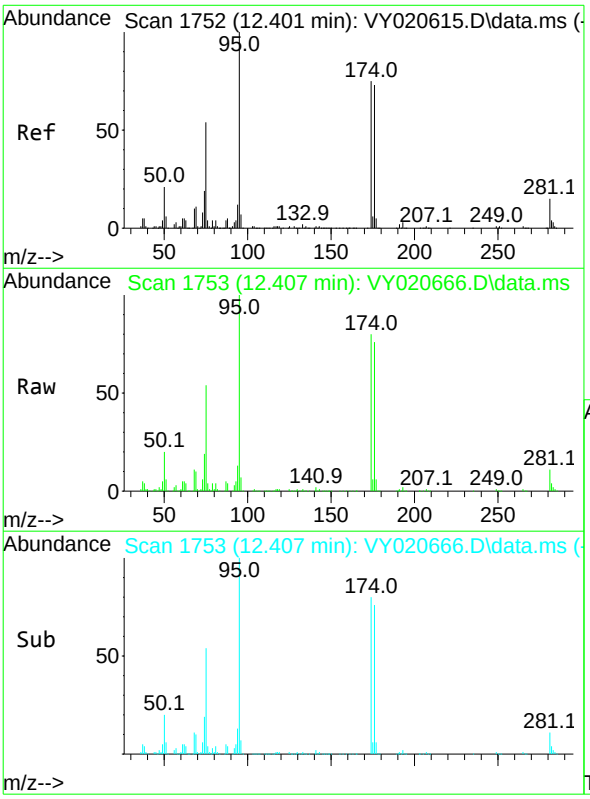
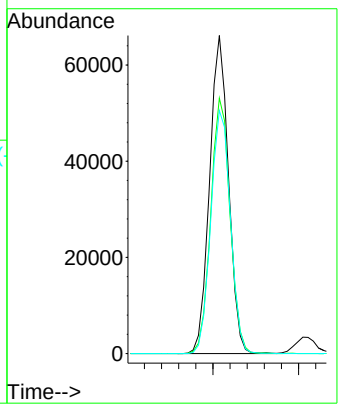
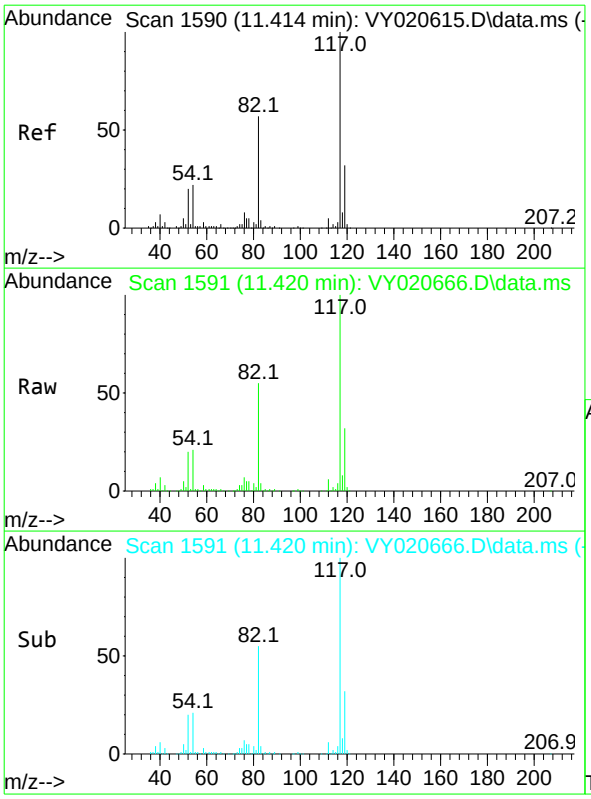


#62
4-Bromofluorobenzene
Concen: 44.220 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

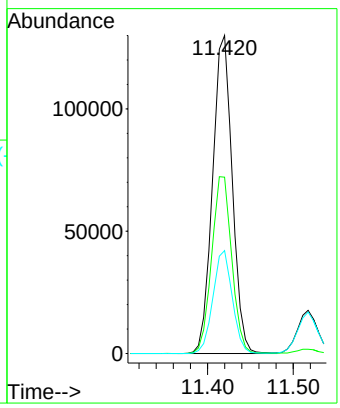




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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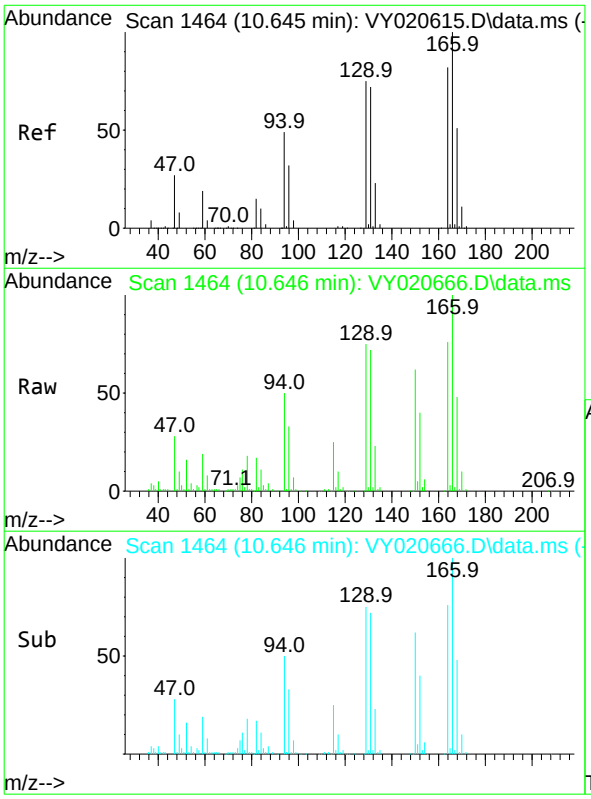
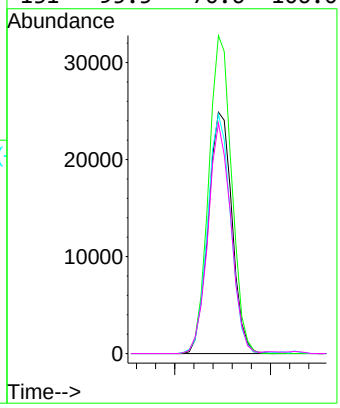
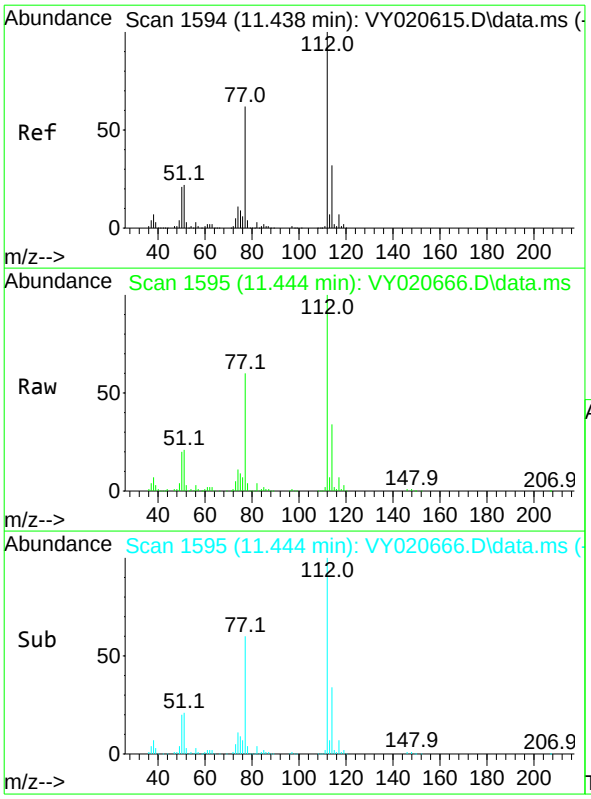


#64
Tetrachloroethene
Concen: 21.919 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
VY1220SBS01

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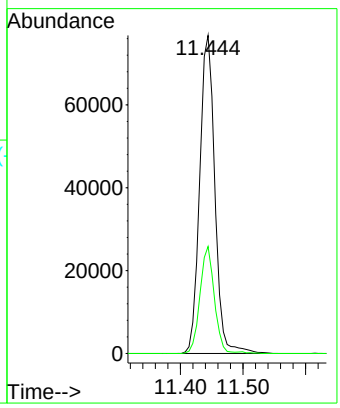
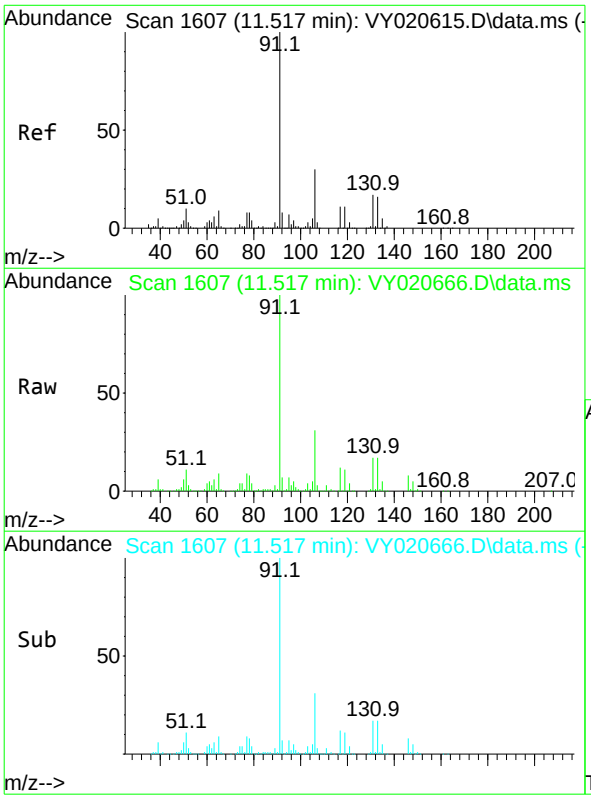
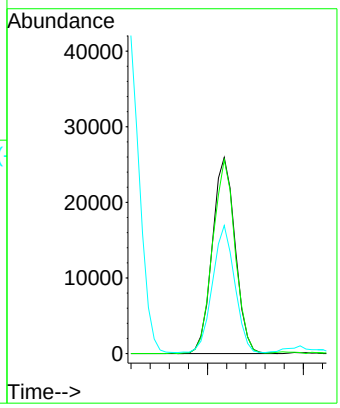


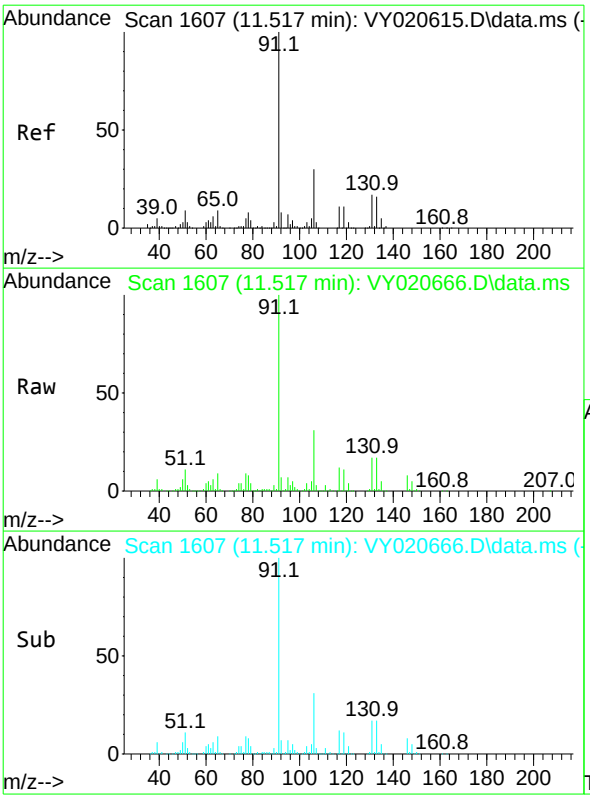


#66
1,1,1,2-Tetrachloroethane
Concen: 21.675 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

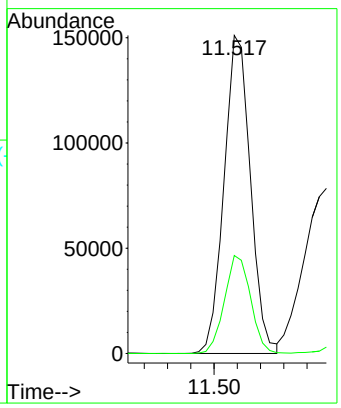




#67
Ethyl Benzene
Concen: 22.248 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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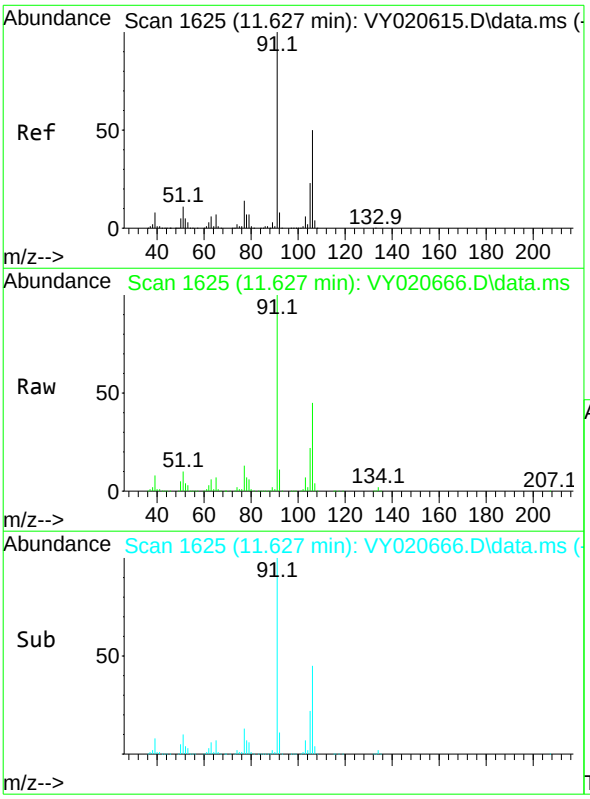
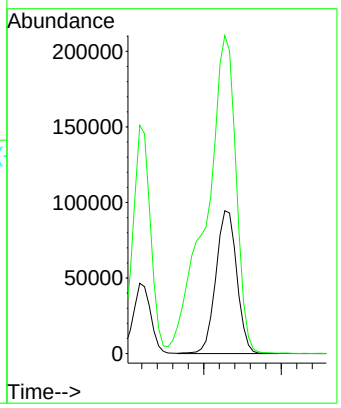
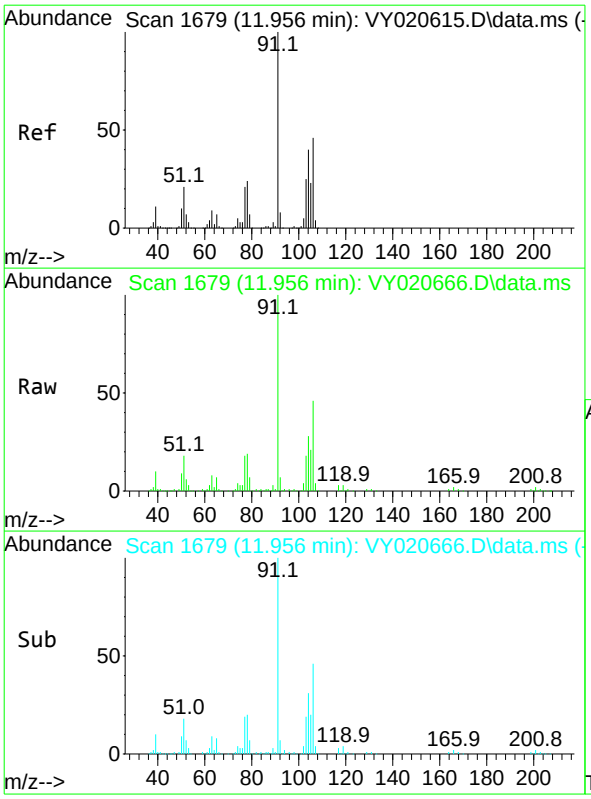


#68
m/p-Xylenes
Concen: 44.684 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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
ClientSampleId :
VY1220SBS01

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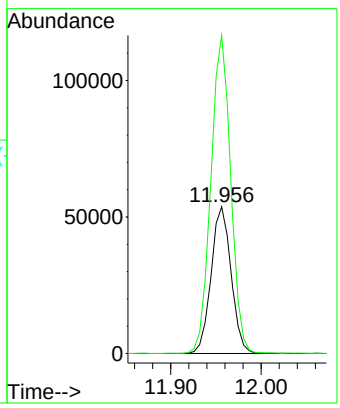
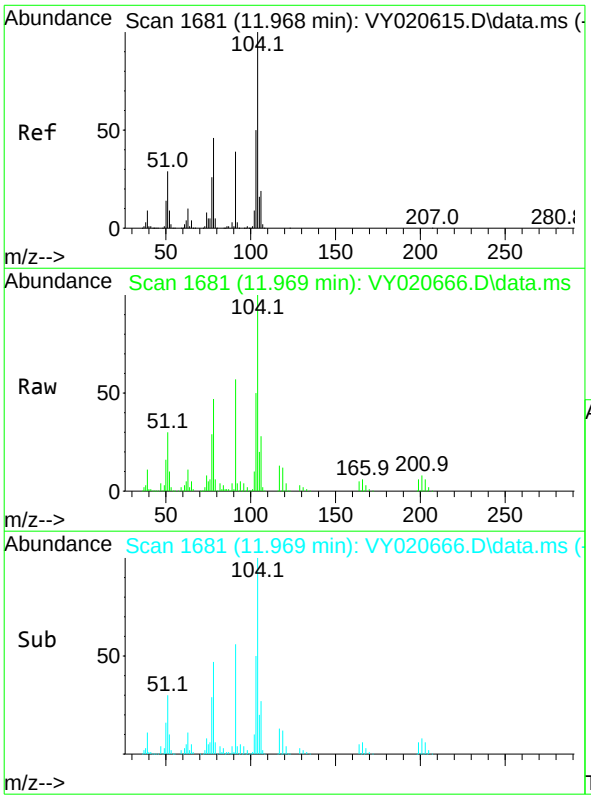
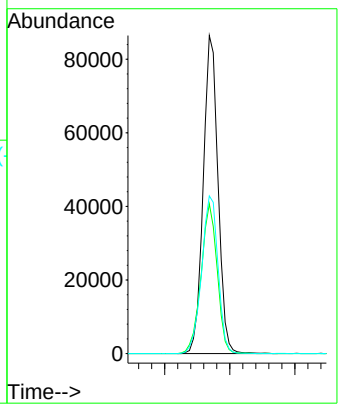


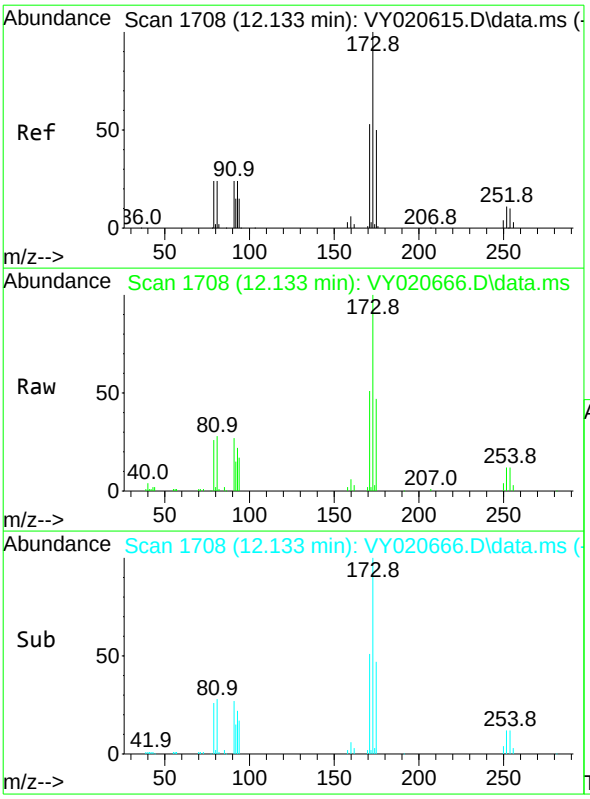


#70
Styrene
Concen: 21.974 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
VY1220SBS01

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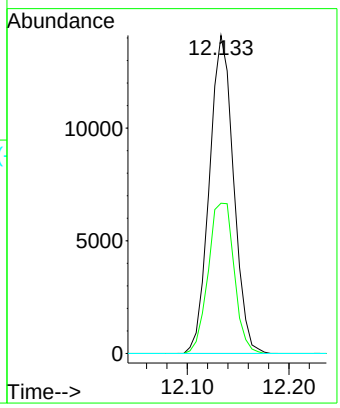
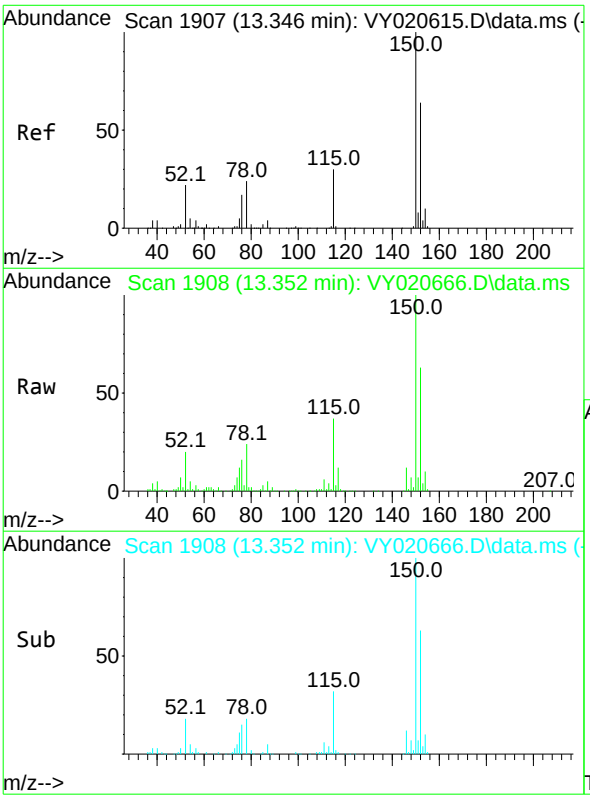
Supervised By :Mahesh Dadoda 12/24/2024

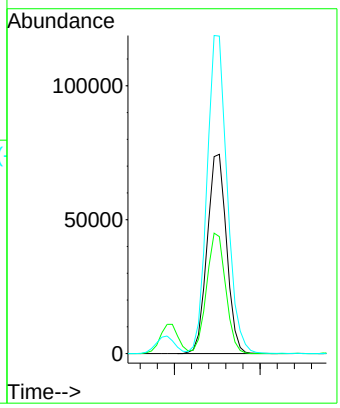


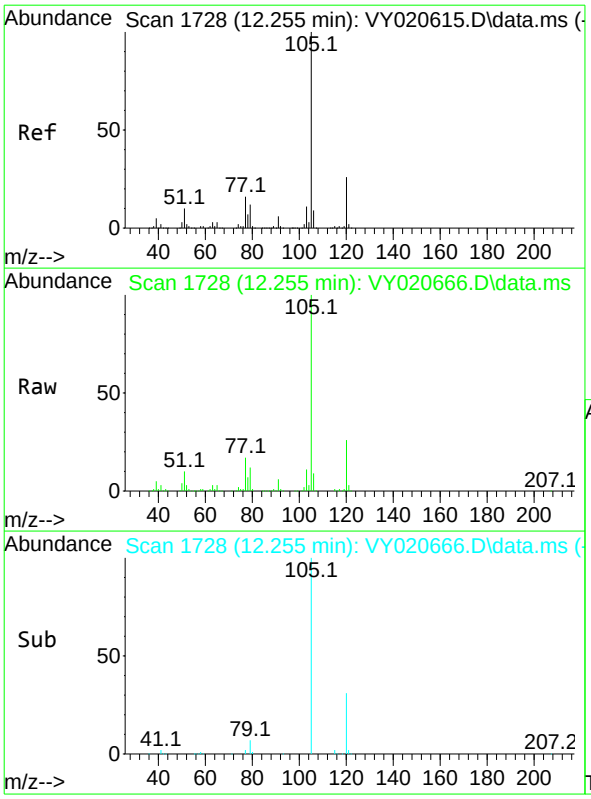


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

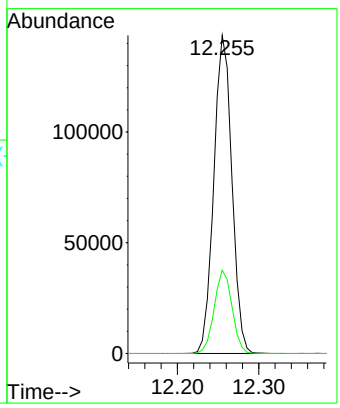




#73
Isopropylbenzene
Concen: 21.727 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 221703

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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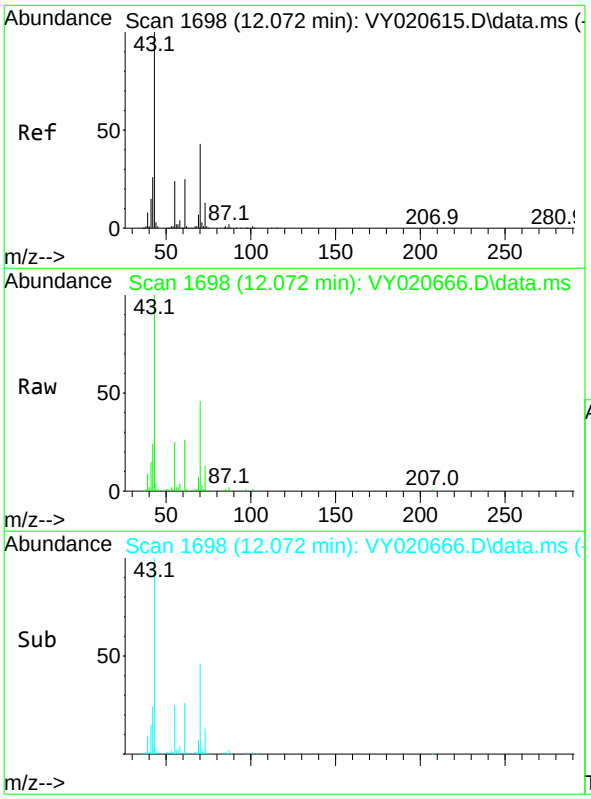
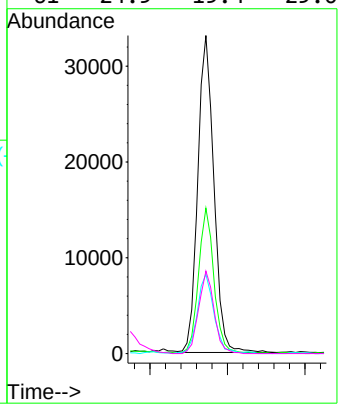
Supervised By :Mahesh Dadoda 12/24/2024

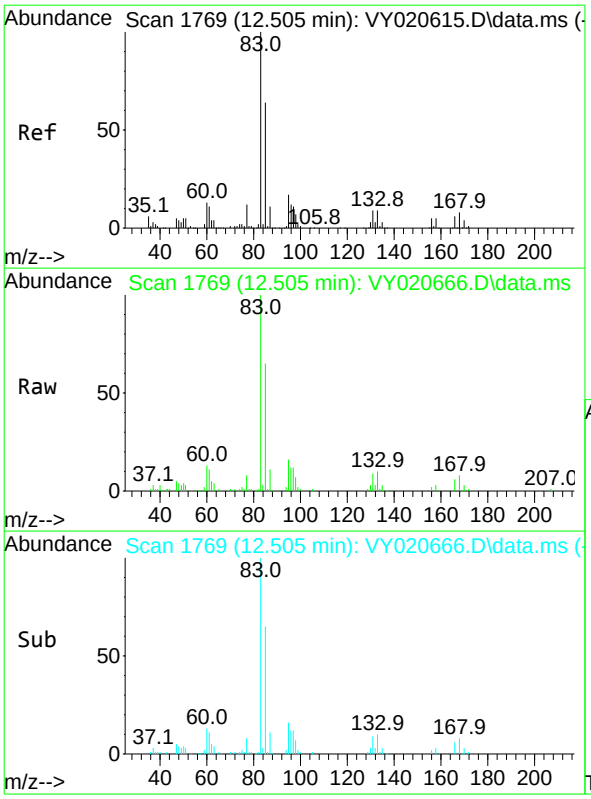


#74
N-amyl acetate
Concen: 20.036 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

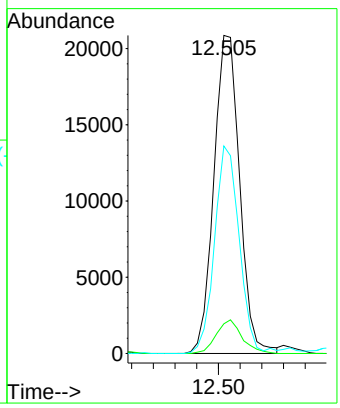




#75
1,1,2,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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 :
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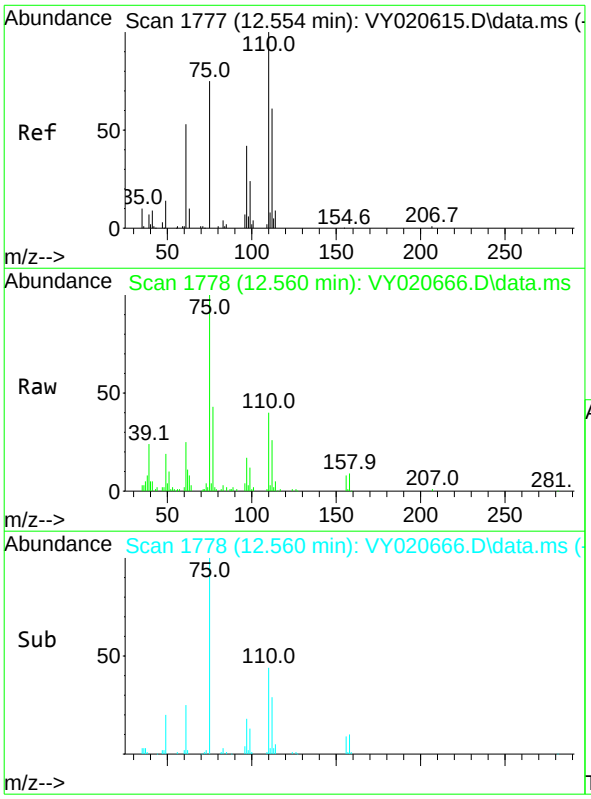
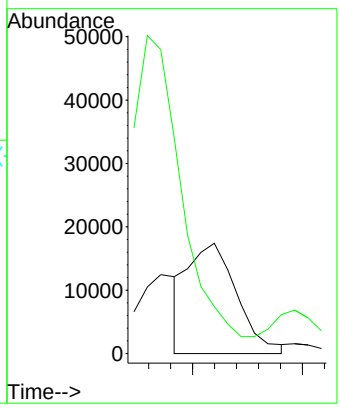
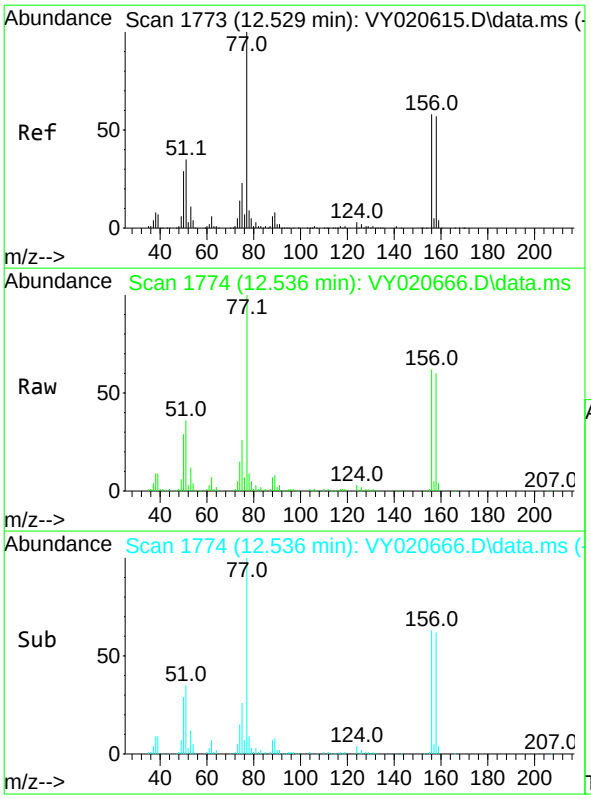


#76
1,2,3-Trichloropropane
Concen: 22.270 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 27051

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

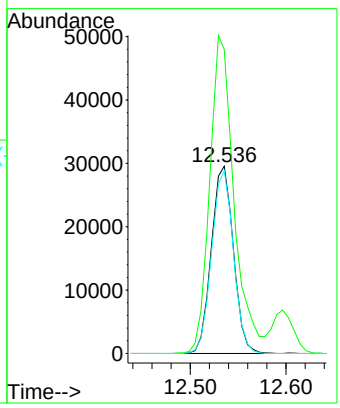




#77
Bromobenzene
Concen: 21.282 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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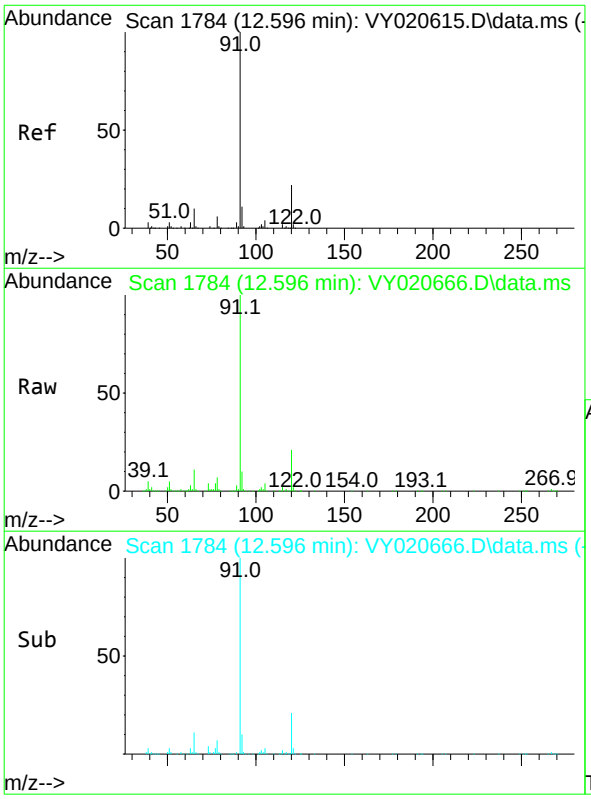
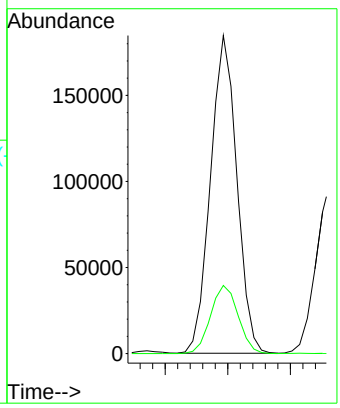
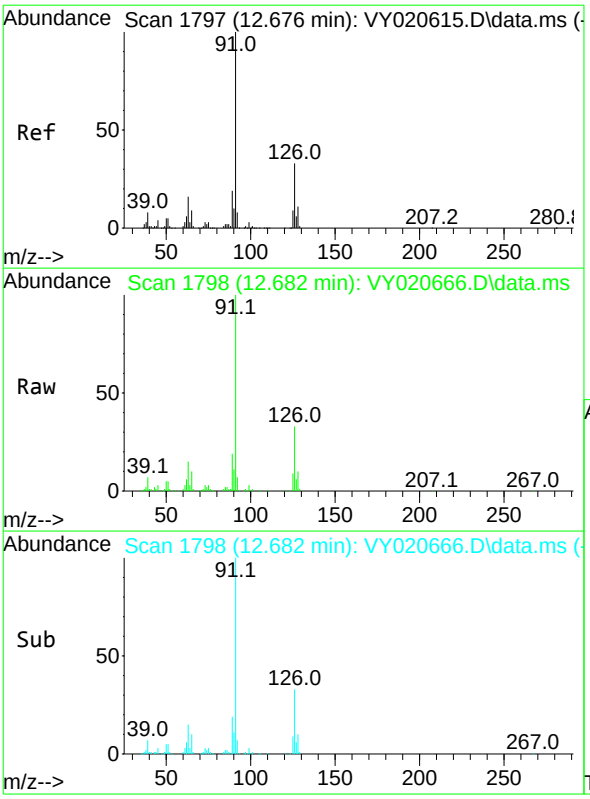


#78
n-propylbenzene
Concen: 21.981 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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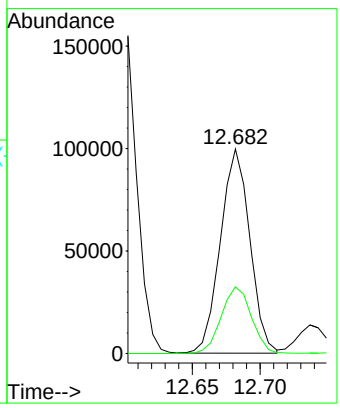
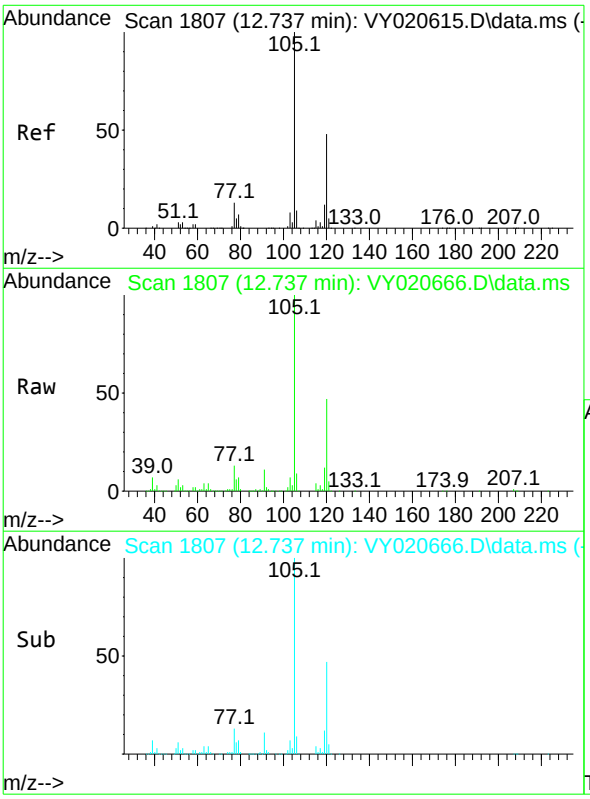
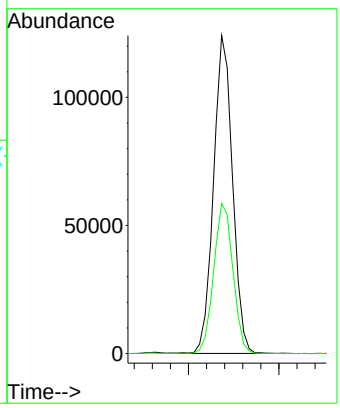


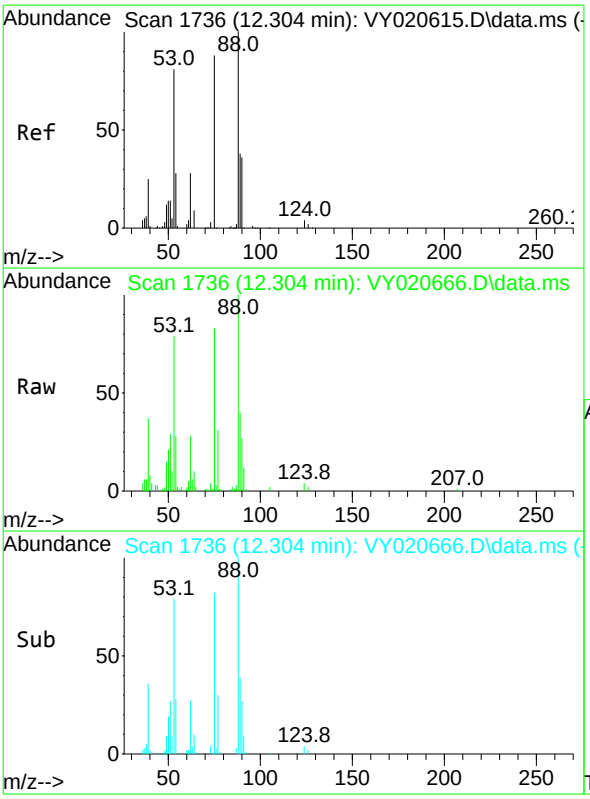


#80
1,3,5-Trimethylbenzene
Concen: 21.827 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

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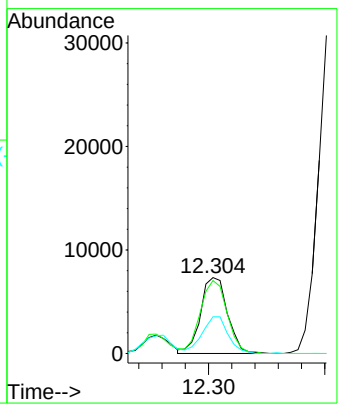
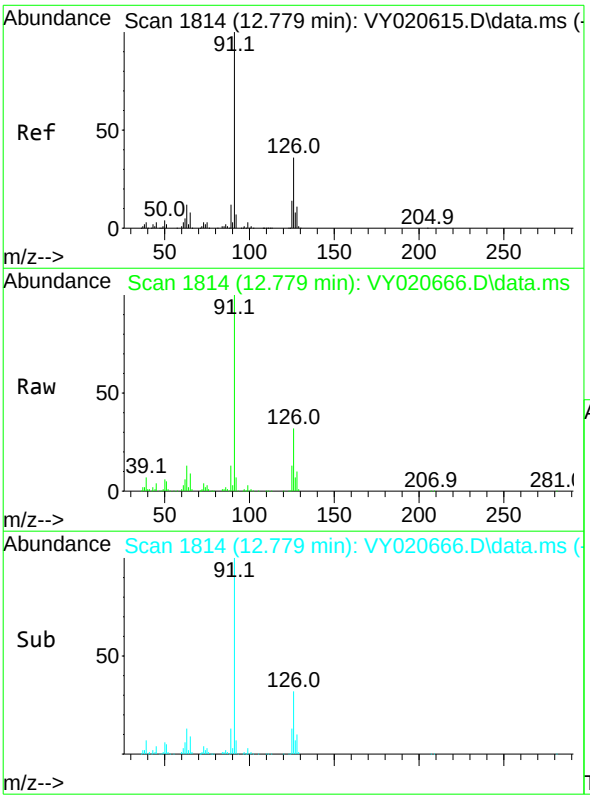
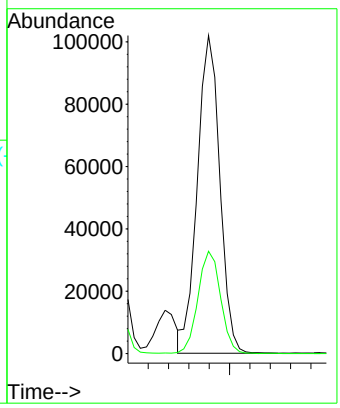


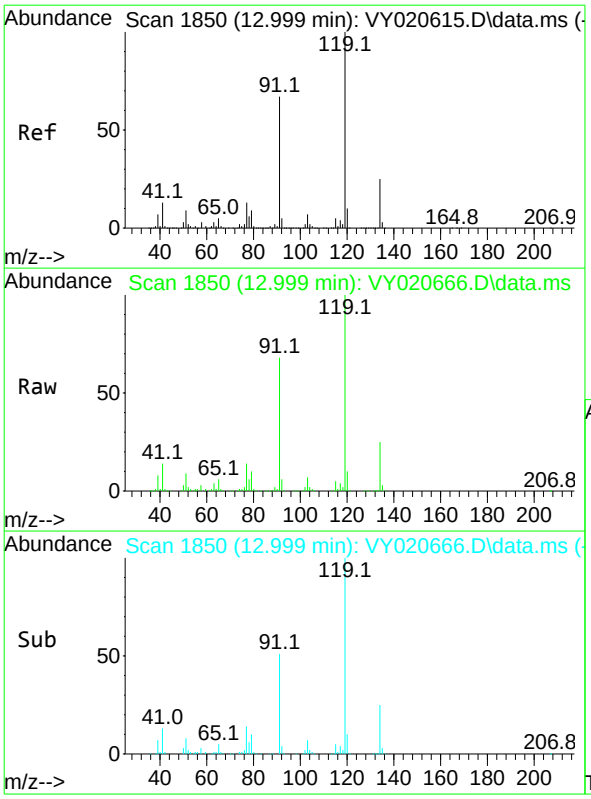


#82
4-Chlorotoluene
Concen: 21.784 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 156322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7

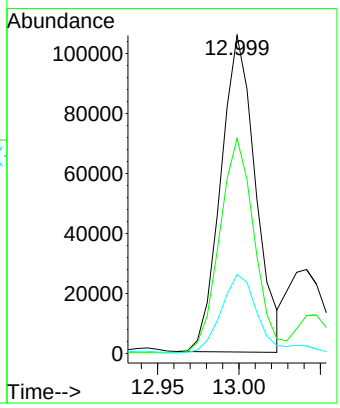




#83
tert-Butylbenzene
Concen: 20.934 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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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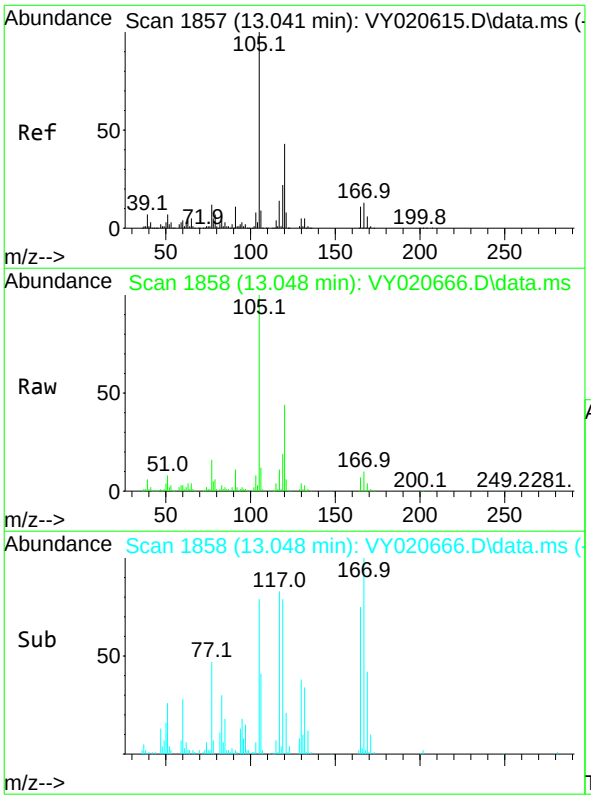
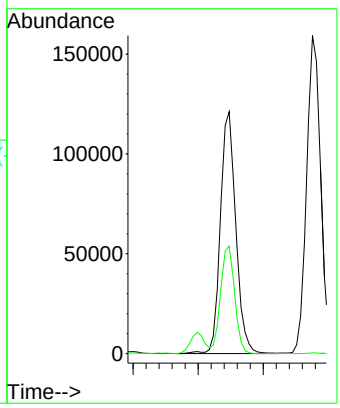
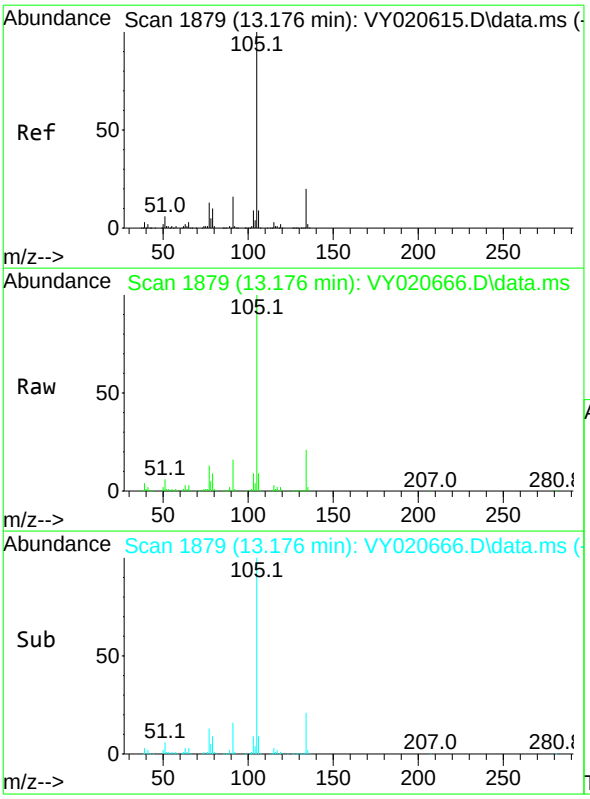


#84
1,2,4-Trimethylbenzene
Concen: 24.542 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 199323

Ion	Ratio	Lower	Upper
105	100		
120	40.6	21.8	65.4

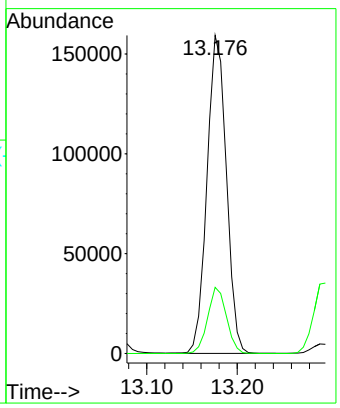




#85
sec-Butylbenzene
Concen: 21.761 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 237258

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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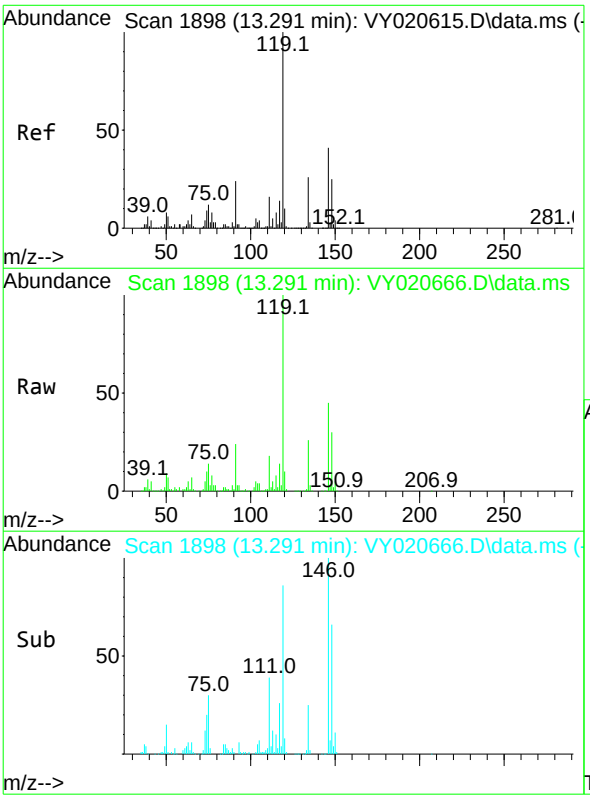
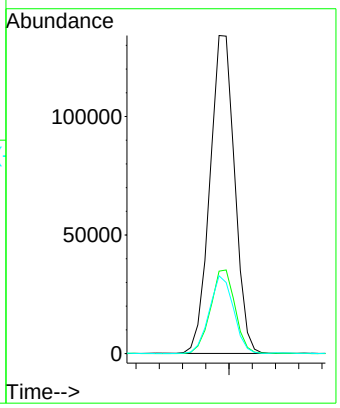
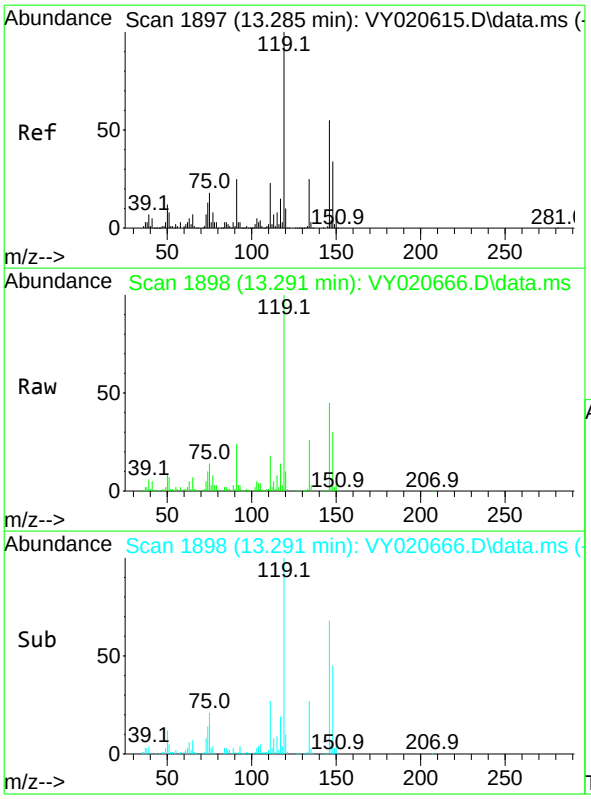


#86
p-Isopropyltoluene
Concen: 22.057 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

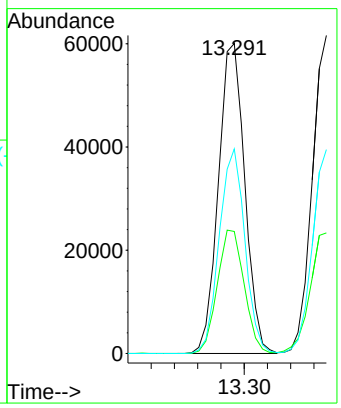




#87
1,3-Dichlorobenzene
Concen: 21.610 ug/l
RT: 13.291 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

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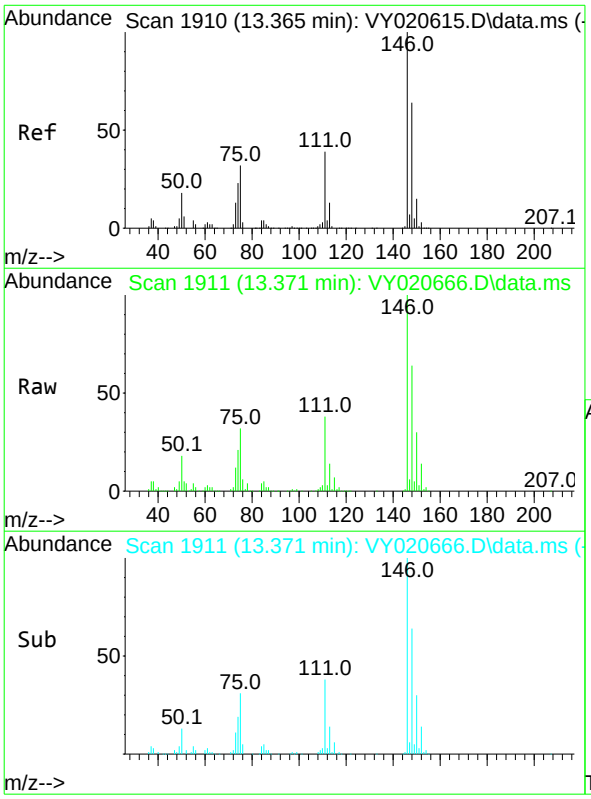
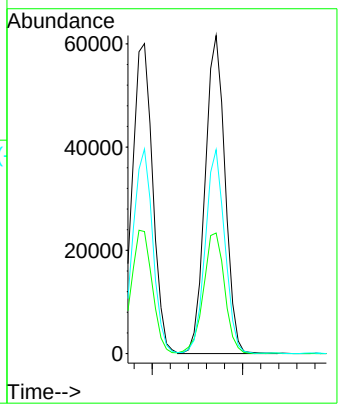
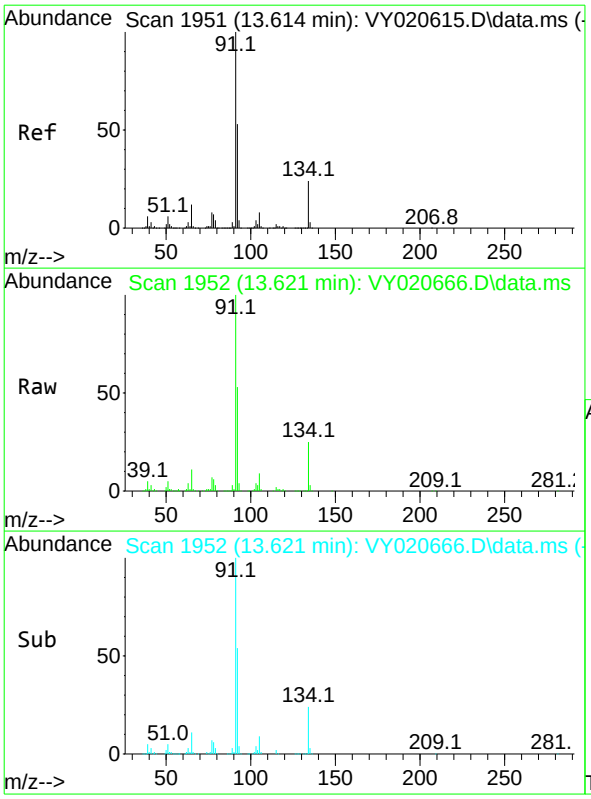


#88
1,4-Dichlorobenzene
Concen: 21.648 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

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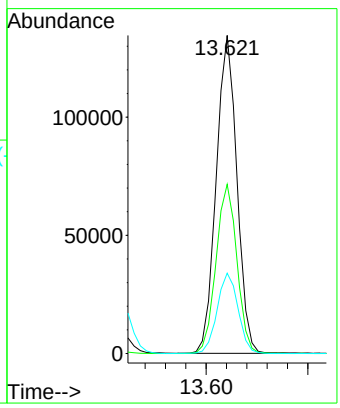
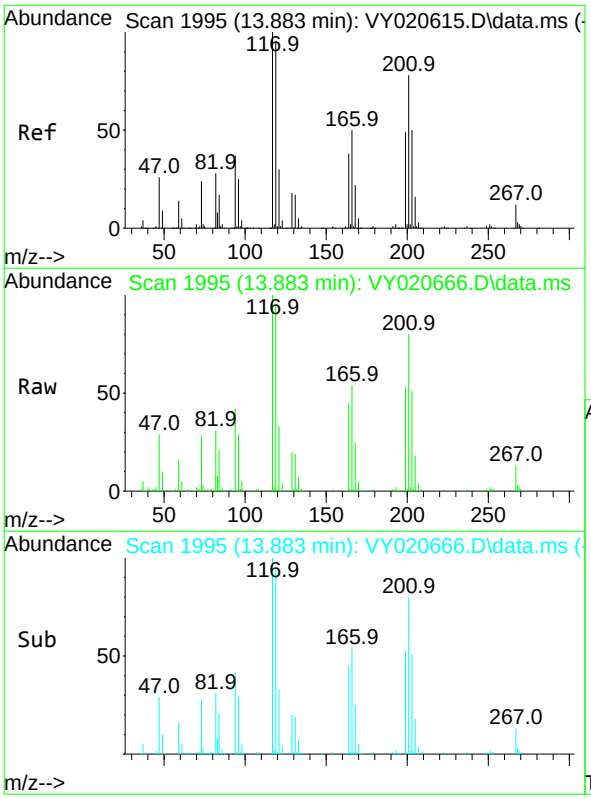
Supervised By :Mahesh Dadoda 12/24/2024

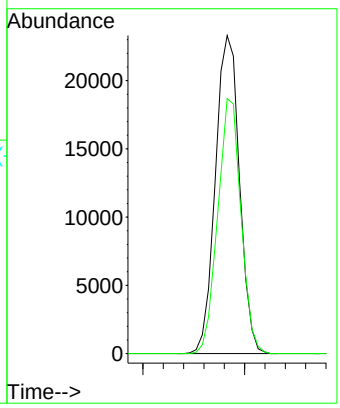


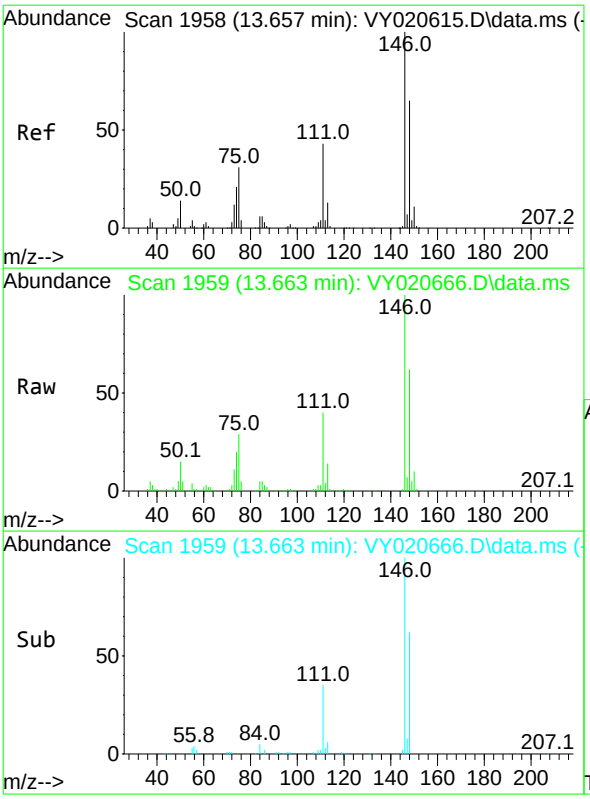


#90
Hexachloroethane
Concen: 21.500 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 38301

Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.1	117.3

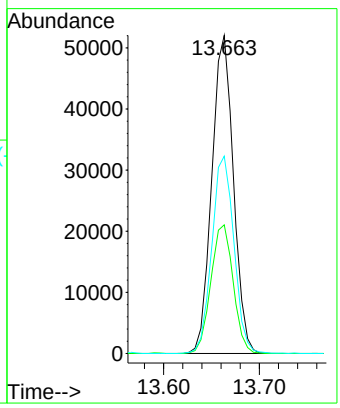




#91
1,2-Dichlorobenzene
Concen: 21.456 ug/l
RT: 13.663 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:146 Resp: 81571

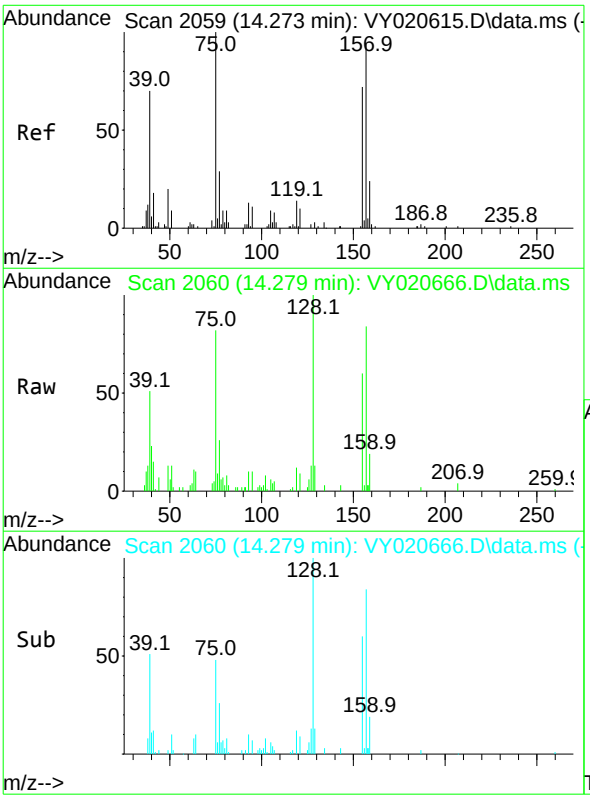
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

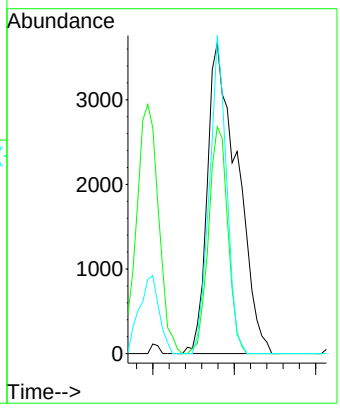
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

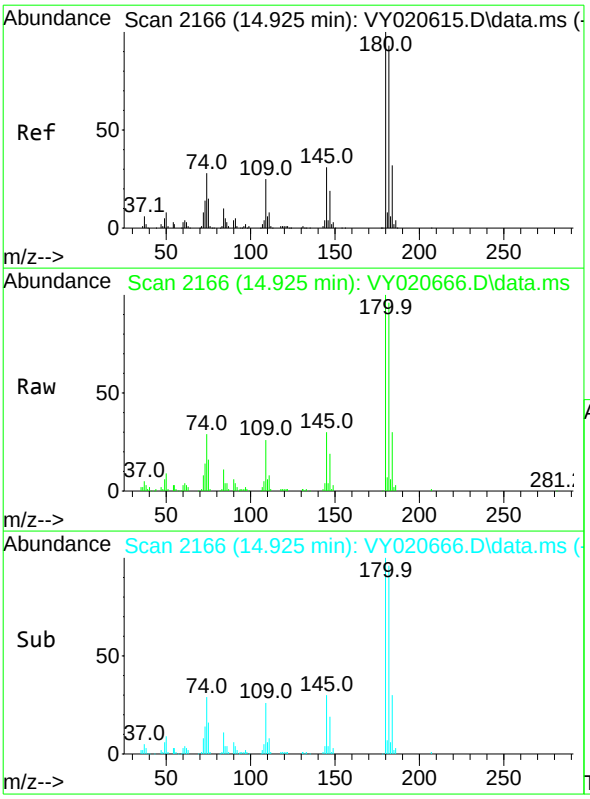


#92
1,2-Dibromo-3-Chloropropane
Concen: 35.007 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

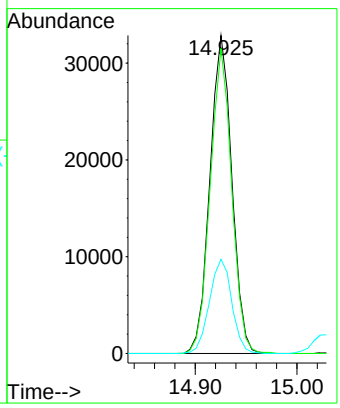




#93
1,2,4-Trichlorobenzene
Concen: 21.424 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:180 Resp: 49266

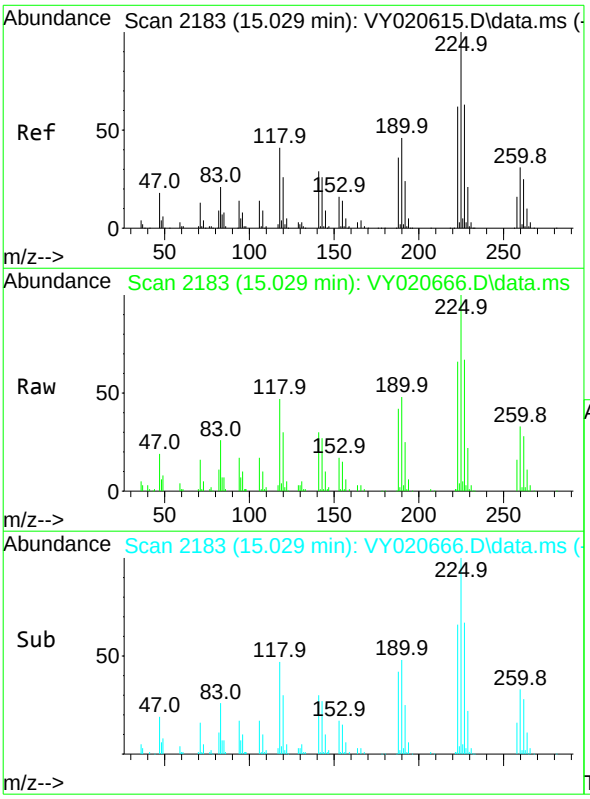
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	30.2	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

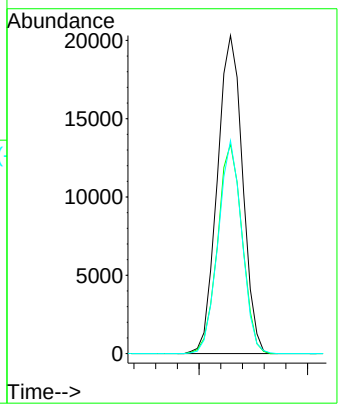
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

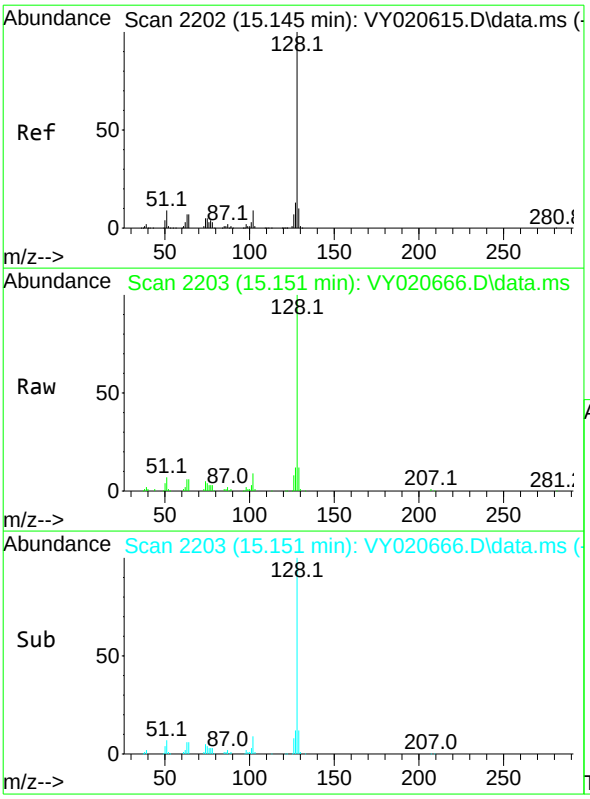


#94
Hexachlorobutadiene
Concen: 21.854 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

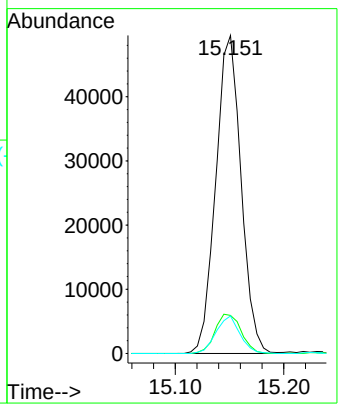




#95
Naphthalene
Concen: 20.350 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:128 Resp: 80228

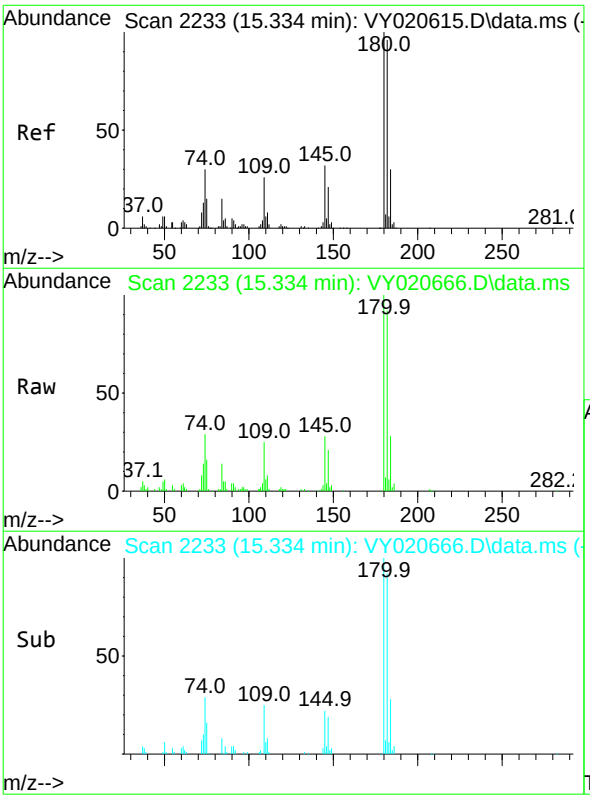
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

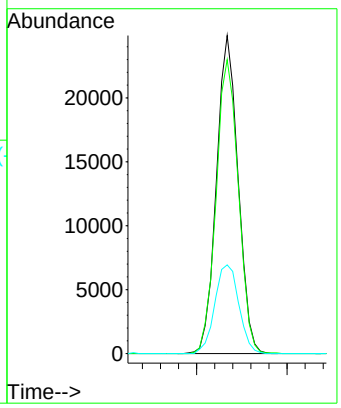
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#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: **VY020693.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBS01	SDG No.:	P5306
Lab Sample ID:	VY1223SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020693.D	1		12/23/24 15:51	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.021		0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.021		0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.097		0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.021		0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.10		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.097		0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.098		0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.022		0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.022		0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.022		0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.022		0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.022		0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.022		0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.099		0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020693.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBS01	SDG No.:	P5306
Lab Sample ID:	VY1223SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020693.D	1		12/23/24 15:51	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.022		0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.022		0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.099		0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.022		0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.022		0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.022		0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.044		0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.066		0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.022		0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.022		0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.022		0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.022		0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.022		0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.022		0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.022		0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.022		0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020693.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBS01	SDG No.:	P5306
Lab Sample ID:	VY1223SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020693.D	1		12/23/24 15:51	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.022		0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.022		0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.0		71 - 136		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	55.4		85 - 116		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	7.719				
540-36-3	1,4-Difluorobenzene	162000	8.622				
3114-55-4	Chlorobenzene-d5	134000	11.426				
3855-82-1	1,4-Dichlorobenzene-d4	68800	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

Sample Results: **VY020693.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	116113	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	161575	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134443	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68792	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	52460	51.014	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.020%				
35) Dibromofluoromethane	7.646	113	47926	50.516	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%				
50) Toluene-d8	10.115	98	190819	55.376	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.760%				
62) 4-Bromofluorobenzene	12.414	95	63200	50.391	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.780%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	19070	21.318	ug/l		96
3) Chloromethane	2.080	50	7726	21.200	ug/l		89
4) Vinyl Chloride	2.214	62	9014	20.287	ug/l		93
5) Bromomethane	2.610	94	6829	21.766	ug/l		98
6) Chloroethane	2.751	64	5481	20.297	ug/l		94
7) Trichlorofluoromethane	3.074	101	33419	20.915	ug/l		92
8) Diethyl Ether	3.464	74	7834	20.483	ug/l		72
9) 1,1,2-Trichlorotrifluo...	3.830	101	18473	21.172	ug/l		92
10) Methyl Iodide	4.019	142	19403	19.304	ug/l	#	84
11) Tert butyl alcohol	4.884	59	7014	93.353	ug/l	#	88
12) 1,1-Dichloroethene	3.811	96	16257	20.994	ug/l	#	72
13) Acrolein	3.671	56	2829	146.178	ug/l		96
14) Allyl chloride	4.397	41	19606	21.590	ug/l	#	77
15) Acrylonitrile	5.073	53	14391	102.084	ug/l		96
16) Acetone	3.891	43	11433	97.335	ug/l		90
17) Carbon Disulfide	4.122	76	39139	20.272	ug/l		99
18) Methyl Acetate	4.409	43	7884	25.944	ug/l	#	85
19) Methyl tert-butyl Ether	5.128	73	43581	20.690	ug/l		92
20) Methylene Chloride	4.628	84	16568	21.167	ug/l	#	78
21) trans-1,2-Dichloroethene	5.128	96	17790	21.306	ug/l		89
22) Diisopropyl ether	6.031	45	40004	21.549	ug/l	#	81
23) Vinyl Acetate	5.976	43	109581	99.683	ug/l	#	90
24) 1,1-Dichloroethane	5.933	63	29890	21.598	ug/l		99
25) 2-Butanone	6.908	43	16204	98.205	ug/l	#	82
26) 2,2-Dichloropropane	6.896	77	36752	21.226	ug/l		99
27) cis-1,2-Dichloroethene	6.908	96	20635	20.749	ug/l		92
28) Bromochloromethane	7.262	49	7297	19.983	ug/l	#	59
29) Tetrahydrofuran	7.274	42	9439	97.328	ug/l	#	67
30) Chloroform	7.433	83	37539	20.636	ug/l		98
31) Cyclohexane	7.713	56	24199	19.943	ug/l	#	76
32) 1,1,1-Trichloroethane	7.628	97	41061	21.606	ug/l		96
36) 1,1-Dichloropropene	7.847	75	25245	21.891	ug/l		96
37) Ethyl Acetate	7.000	43	7186	19.067	ug/l	#	94
38) Carbon Tetrachloride	7.829	117	40083	21.479	ug/l		95
39) Methylcyclohexane	9.115	83	31014	21.159	ug/l		88
40) Benzene	8.091	78	72425	21.770	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4429m	20.743 ug/l		
42) 1,2-Dichloroethane	8.164	62	21881	20.681 ug/l		99
43) Isopropyl Acetate	8.207	43	15542	19.841 ug/l	#	88
44) Trichloroethene	8.878	130	21118	21.389 ug/l		85
45) 1,2-Dichloropropane	9.146	63	14078	21.538 ug/l		96
46) Dibromomethane	9.237	93	9618	21.314 ug/l		90
47) Bromodichloromethane	9.432	83	27504	21.486 ug/l		97
48) Methyl methacrylate	9.231	41	7342	19.772 ug/l	#	74
49) 1,4-Dioxane	9.237	88	1811	427.889 ug/l		88
51) 4-Methyl-2-Pentanone	10.005	43	38532	98.474 ug/l		93
52) Toluene	10.176	92	49502	21.851 ug/l		100
53) t-1,3-Dichloropropene	10.402	75	23556	20.797 ug/l		96
54) cis-1,3-Dichloropropene	9.865	75	27001	21.634 ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	12224	20.921 ug/l		94
56) Ethyl methacrylate	10.444	69	14890	19.978 ug/l		88
57) 1,3-Dichloropropane	10.725	76	20055	20.998 ug/l		97
58) 2-Chloroethyl Vinyl ether	9.719	63	25366	91.075 ug/l	#	81
59) 2-Hexanone	10.768	43	24683	99.033 ug/l		91
60) Dibromochloromethane	10.914	129	20089	21.535 ug/l		100
61) 1,2-Dibromoethane	11.024	107	11435	20.876 ug/l		100
64) Tetrachloroethene	10.652	164	19601	21.953 ug/l		95
65) Chlorobenzene	11.450	112	55302	22.012 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	20919	21.323 ug/l		95
67) Ethyl Benzene	11.523	91	98855	21.932 ug/l		98
68) m/p-Xylenes	11.633	106	75012	43.642 ug/l		100
69) o-Xylene	11.962	106	35407	21.930 ug/l		97
70) Styrene	11.975	104	60026	22.103 ug/l		100
71) Bromoform	12.139	173	12130	21.586 ug/l	#	100
73) Isopropylbenzene	12.261	105	100172	21.408 ug/l		99
74) N-amyl acetate	12.078	43	12342	18.771 ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.517	83	12299	20.425 ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	10132m	21.357 ug/l		
77) Bromobenzene	12.535	156	22661	21.268 ug/l		84
78) n-propylbenzene	12.603	91	112609	21.346 ug/l		95
79) 2-Chlorotoluene	12.688	91	64543	21.492 ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	84160	21.685 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4317	19.781 ug/l		95
82) 4-Chlorotoluene	12.785	91	64790	21.153 ug/l		95
83) tert-Butylbenzene	13.005	119	77381	21.428 ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	82010	21.631 ug/l		99
85) sec-Butylbenzene	13.182	105	105840	21.767 ug/l		97
86) p-Isopropyltoluene	13.298	119	93419	21.976 ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	44326	21.414 ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	43876	21.635 ug/l		99
89) n-Butylbenzene	13.627	91	78283	21.859 ug/l		95
90) Hexachloroethane	13.889	117	16570	20.547 ug/l		83
91) 1,2-Dichlorobenzene	13.669	146	37520	21.121 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2285	19.915 ug/l		99
93) 1,2,4-Trichlorobenzene	14.931	180	21862	20.729 ug/l		98
94) Hexachlorobutadiene	15.035	225	17176	21.873 ug/l		98
95) Naphthalene	15.151	128	33900	19.644 ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	17632	19.997 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

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

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

Sample Results: **VY020693.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations APPROVED

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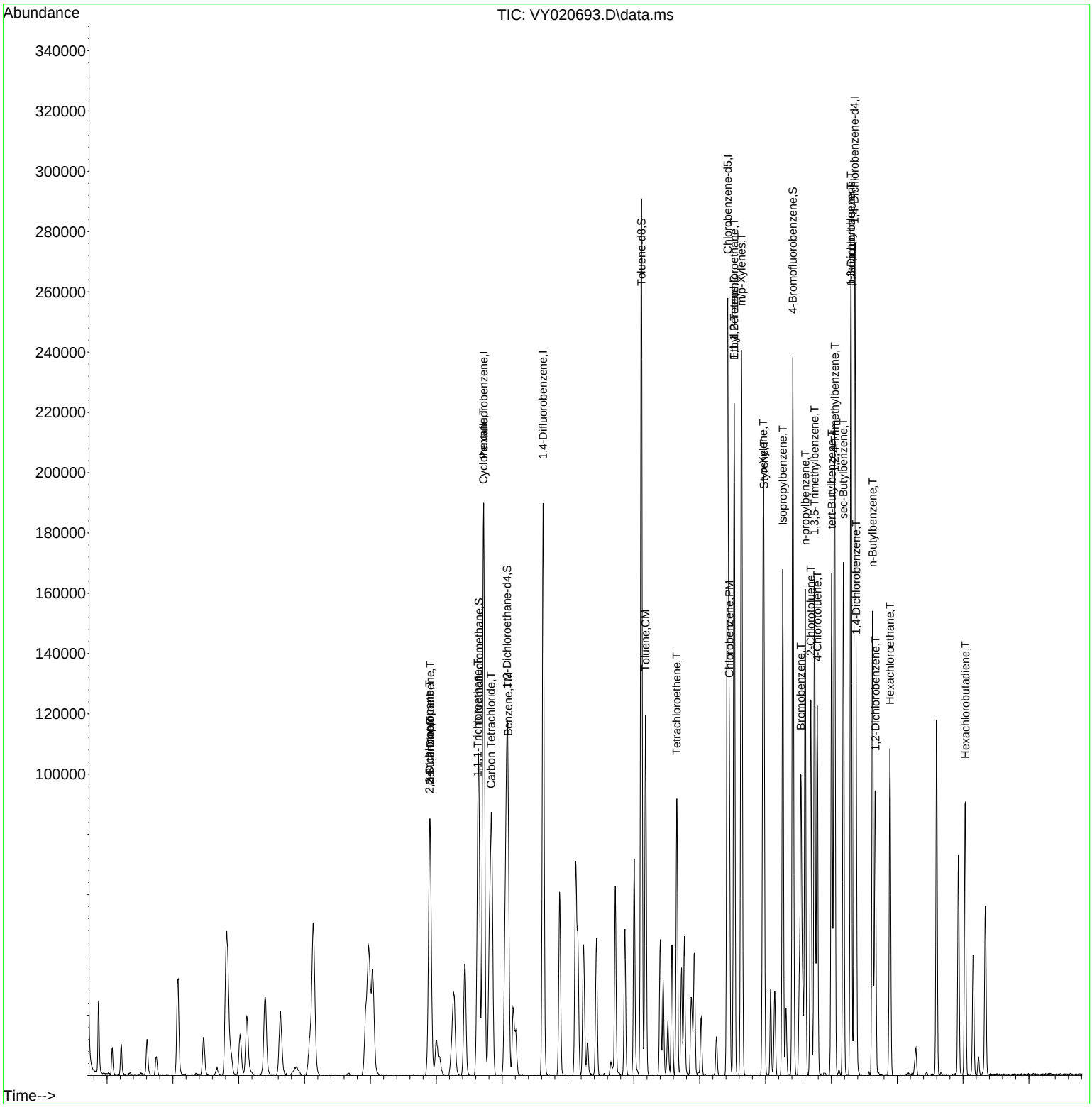
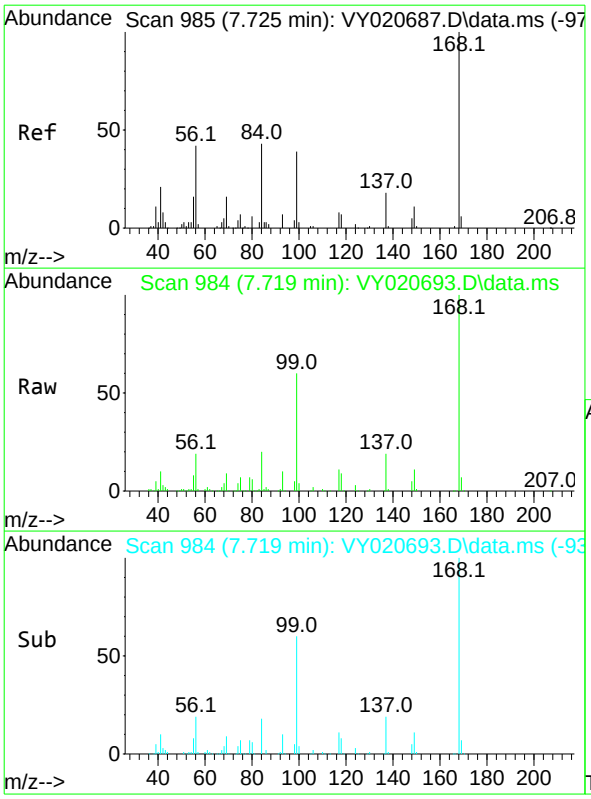
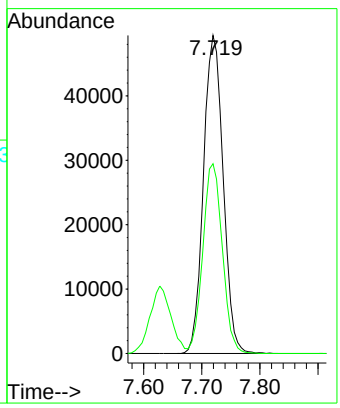




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:168 Resp: 116113

Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

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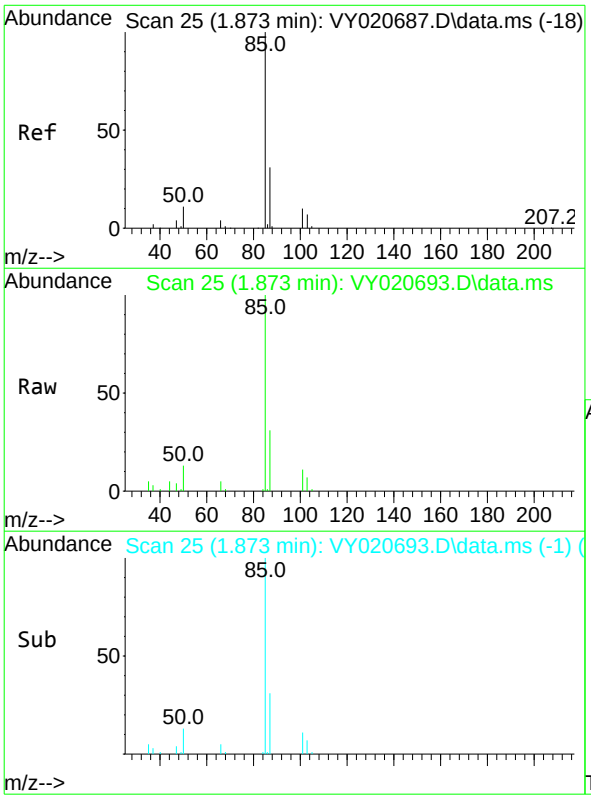
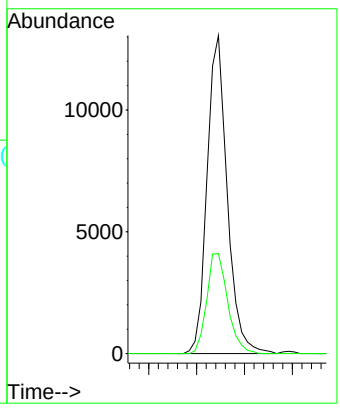
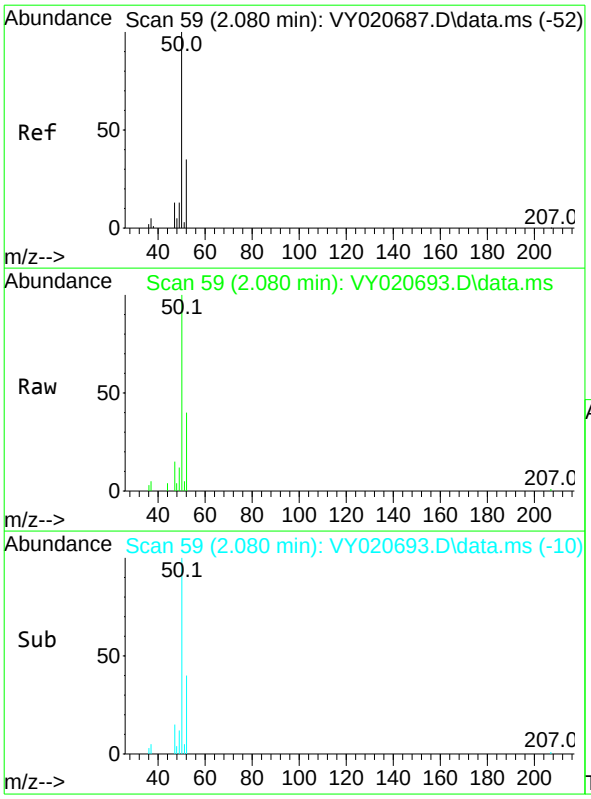


#2
Dichlorodifluoromethane
Concen: 21.318 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 85 Resp: 19070

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.8	50.3

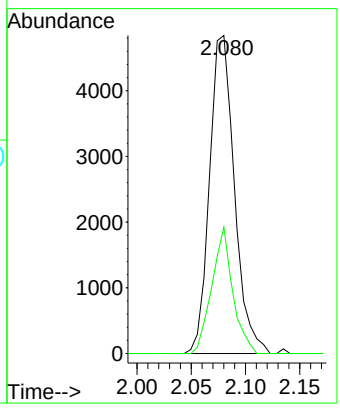




#3
Chloromethane
Concen: 21.200 ug/l
RT: 2.080 min Scan# 59
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 50 Resp: 7726

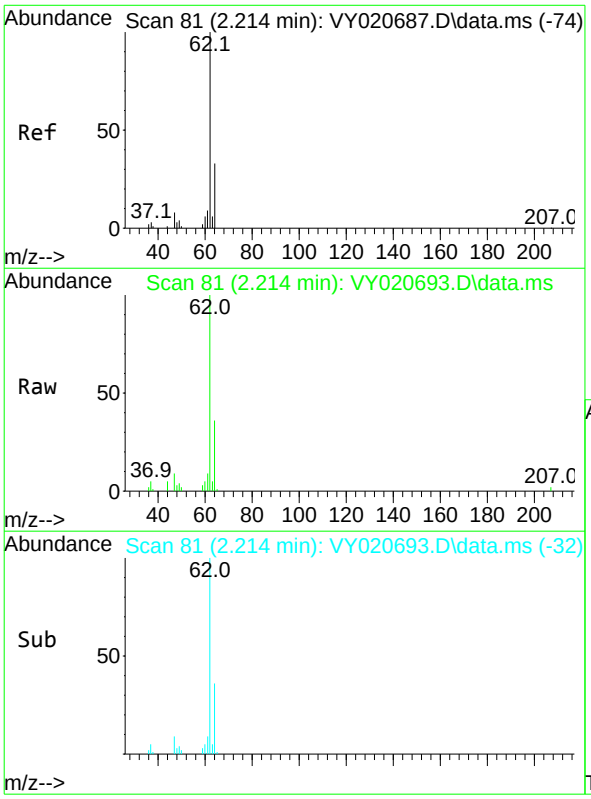
Ion	Ratio	Lower	Upper
50	100		
52	39.7	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

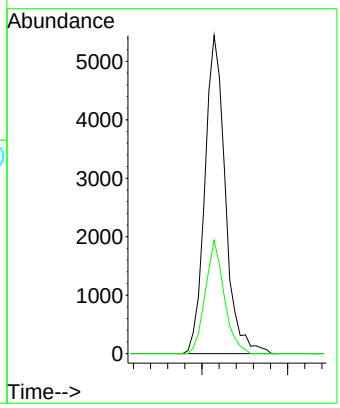
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

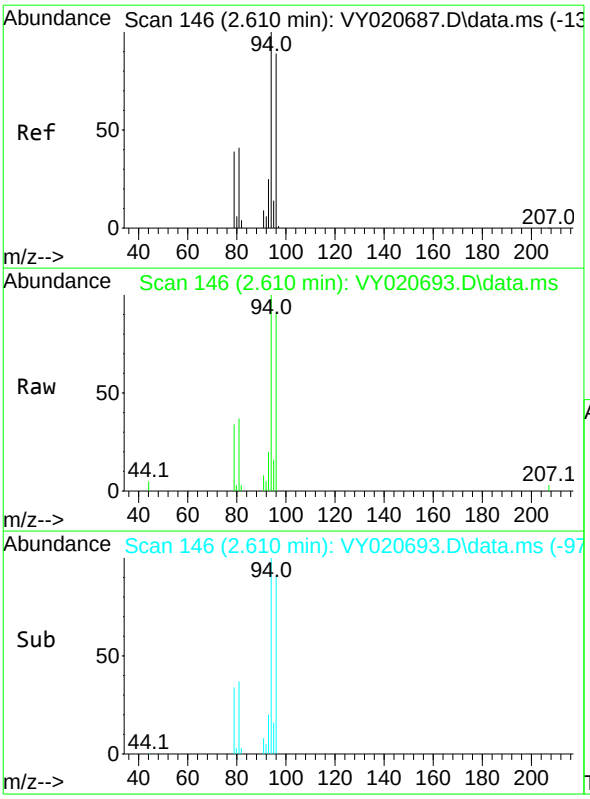


#4
Vinyl Chloride
Concen: 20.287 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 62 Resp: 9014

Ion	Ratio	Lower	Upper
62	100		
64	35.7	25.3	37.9

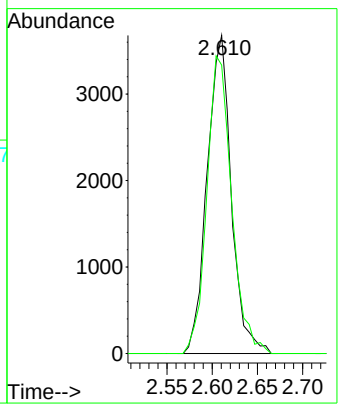




#5
Bromomethane
Concen: 21.766 ug/l
RT: 2.610 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 94 Resp: 6829

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
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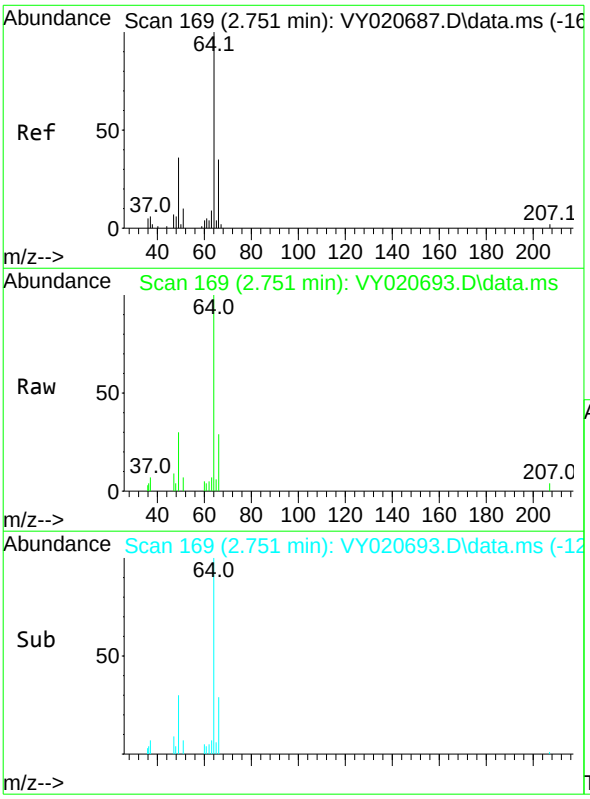
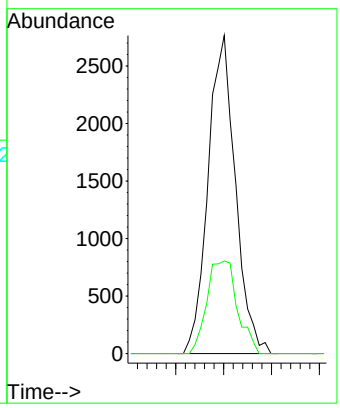
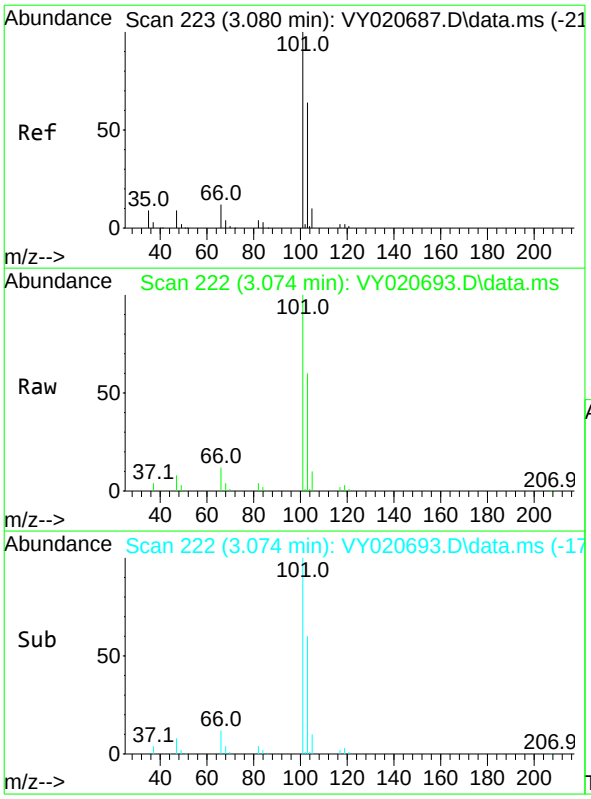


#6
Chloroethane
Concen: 20.297 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 64 Resp: 5481

Ion	Ratio	Lower	Upper
64	100		
66	29.1	25.8	38.6

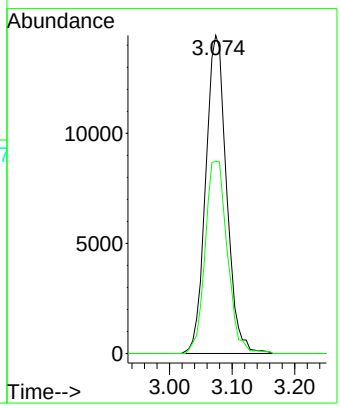




#7
Trichlorofluoromethane
Concen: 20.915 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:101 Resp: 33419

Ion	Ratio	Lower	Upper
101	100		
103	60.5	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
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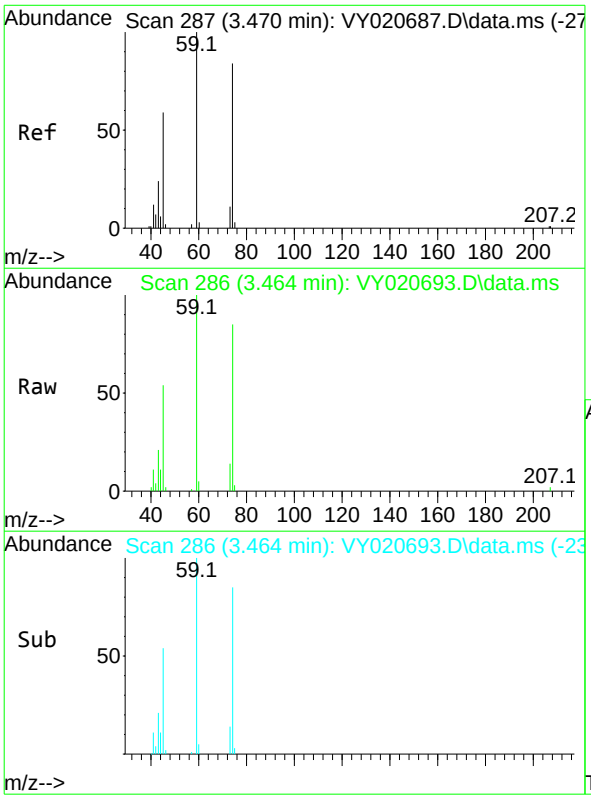
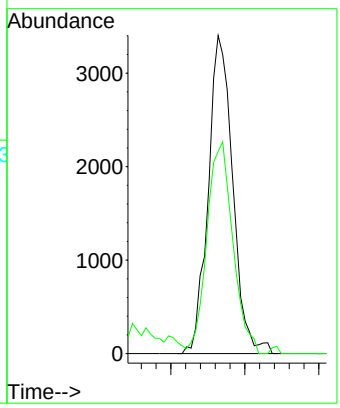
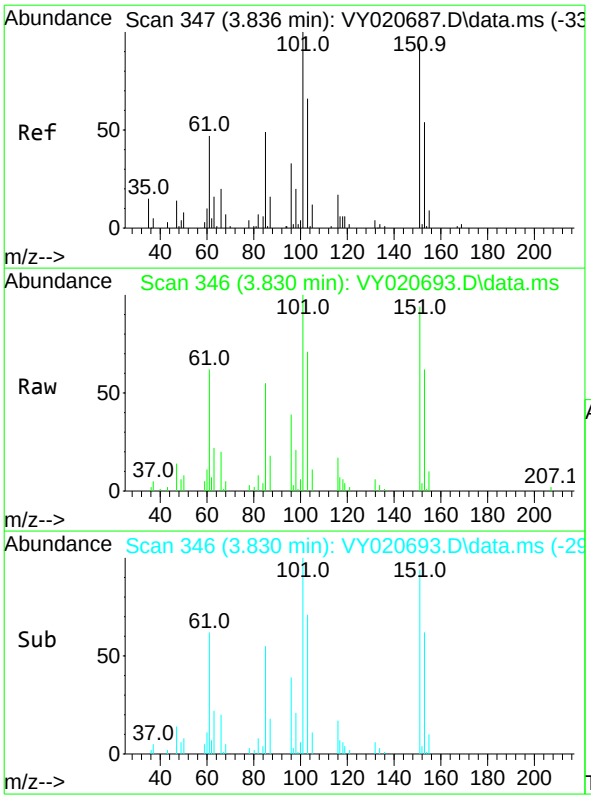


#8
Diethyl Ether
Concen: 20.483 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 74 Resp: 7834

Ion	Ratio	Lower	Upper
74	100		
45	70.3	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.172 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:101 Resp: 18473

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.6	54.8
151	87.2	61.5	92.3

Manual Integrations
APPROVED

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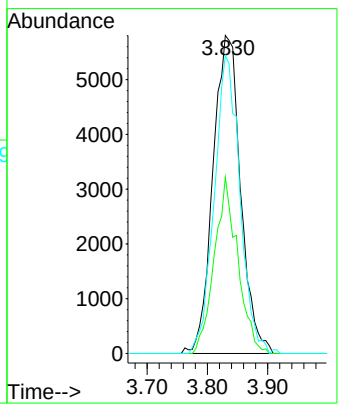
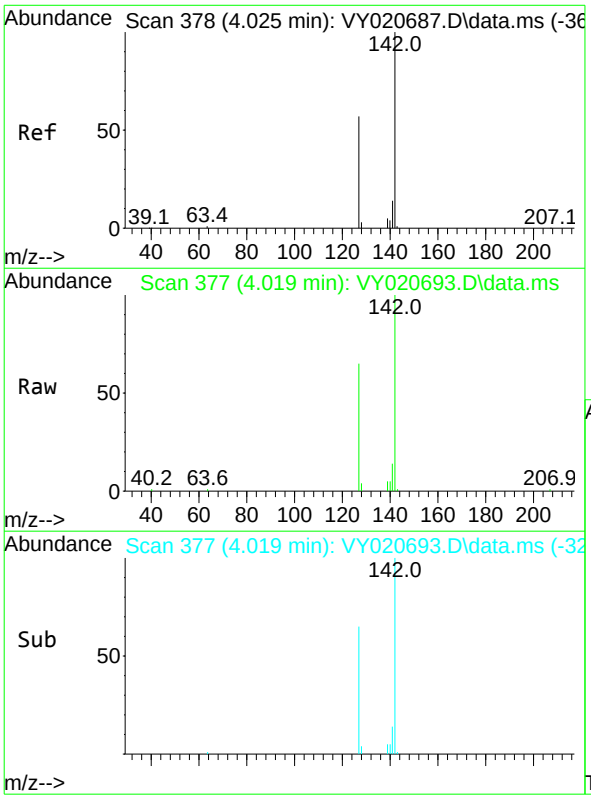
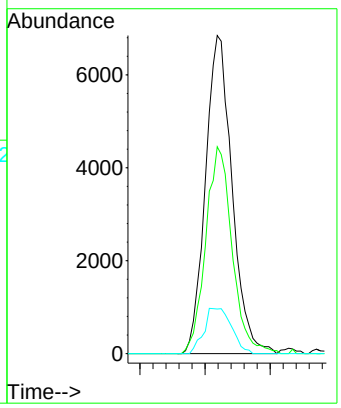


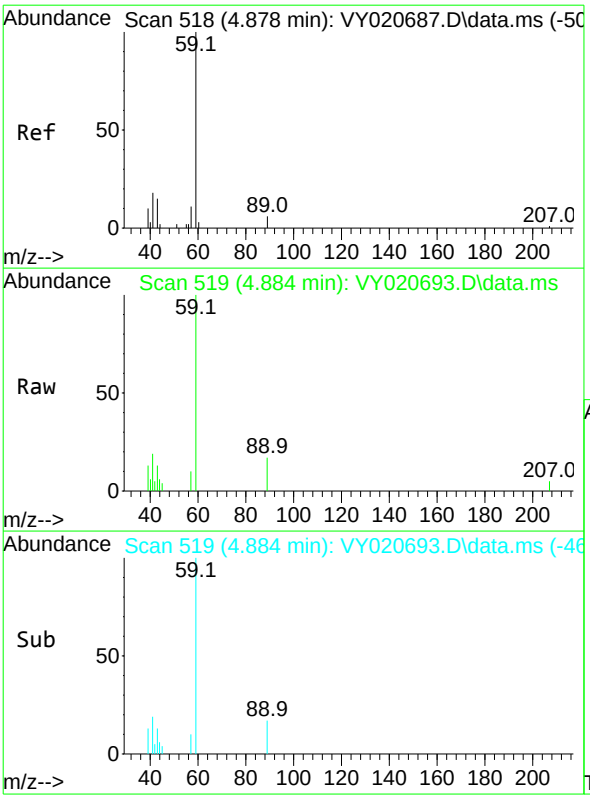


#10
Methyl Iodide
Concen: 19.304 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:142 Resp: 19403

Ion	Ratio	Lower	Upper
142	100		
127	64.7	40.6	61.0#
141	14.7	11.7	17.5





#11
Tert butyl alcohol
Concen: 93.353 ug/l
RT: 4.884 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

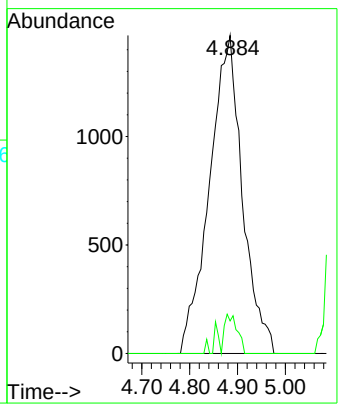
Tgt Ion: 59 Resp: 7014

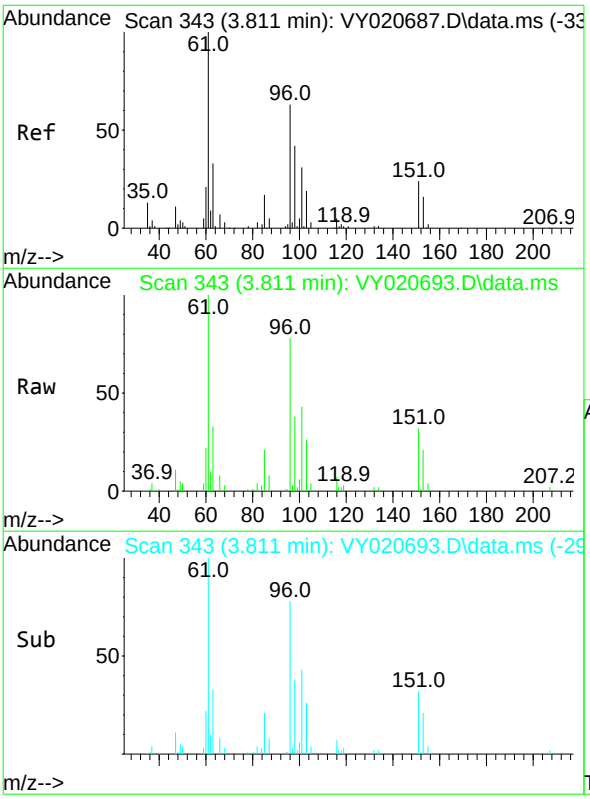
Ion	Ratio	Lower	Upper
59	100		
57	4.7	7.4	11.0#

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

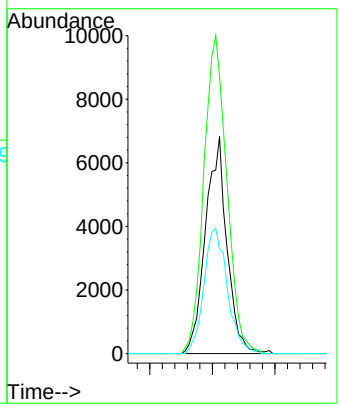


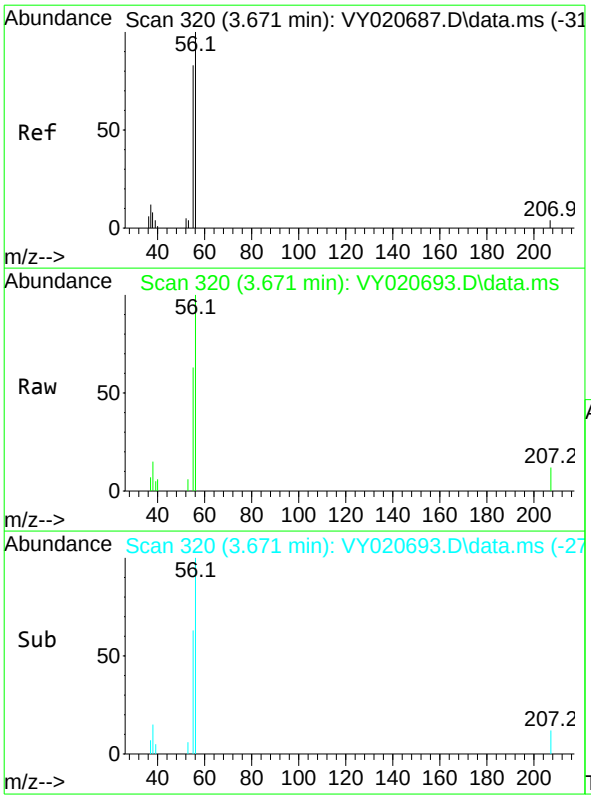


#12
1,1-Dichloroethene
Concen: 20.994 ug/l
RT: 3.811 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 96 Resp: 16257

Ion	Ratio	Lower	Upper
96	100		
61	128.0	136.9	205.3#
98	48.4	50.2	75.4#

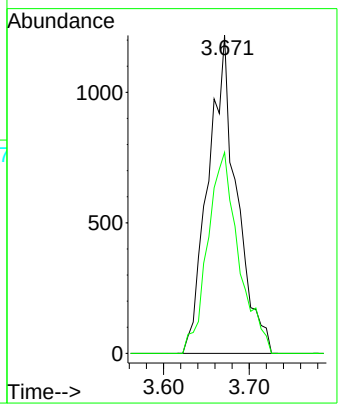




#13
Acrolein
Concen: 146.178 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 56 Resp: 2829

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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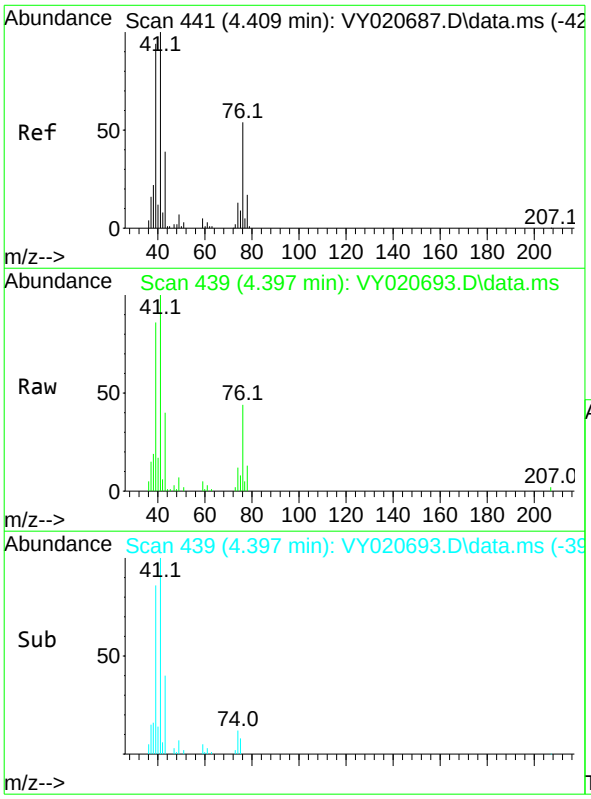
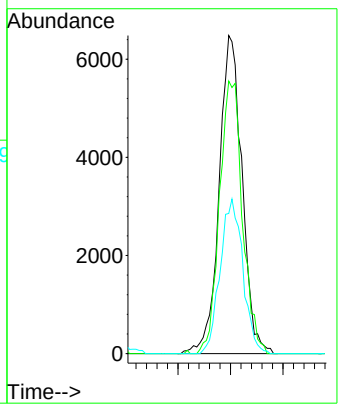
Supervised By :Mahesh Dadoda 12/26/2024

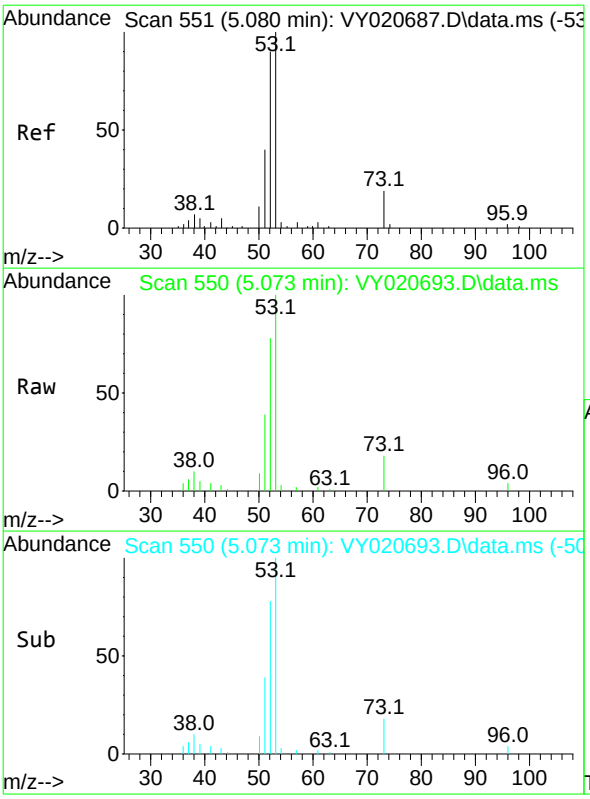


#14
Allyl chloride
Concen: 21.590 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 41 Resp: 19606

Ion	Ratio	Lower	Upper
41	100		
39	85.8	53.0	79.4#
76	48.2	29.5	44.3#

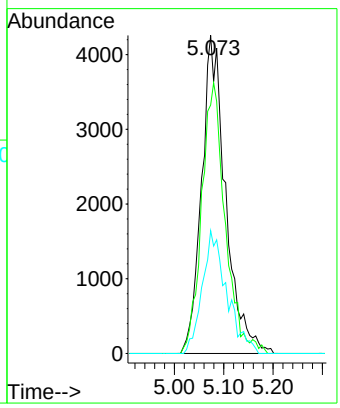




#15
Acrylonitrile
Concen: 102.084 ug/l
RT: 5.073 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 53 Resp: 14391

Ion	Ratio	Lower	Upper
53	100		
52	83.3	64.5	96.7
51	39.4	29.4	44.0



Instrument :
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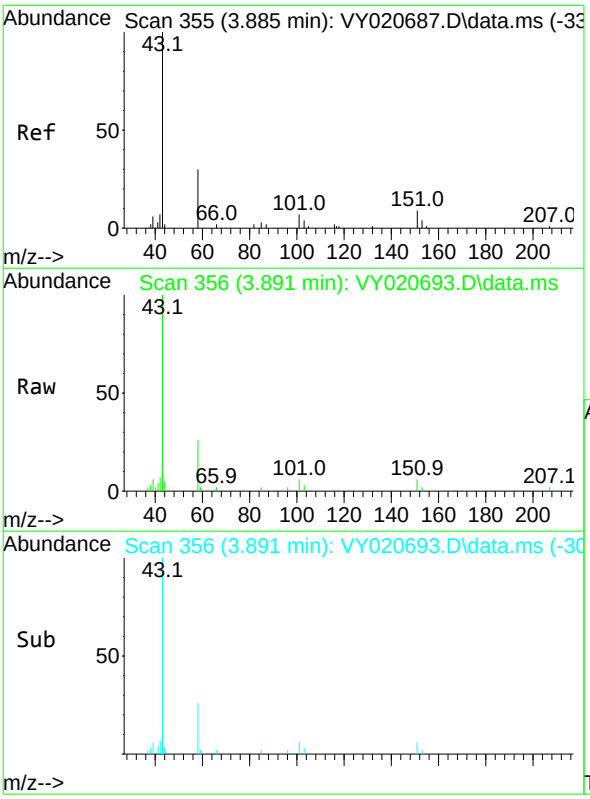
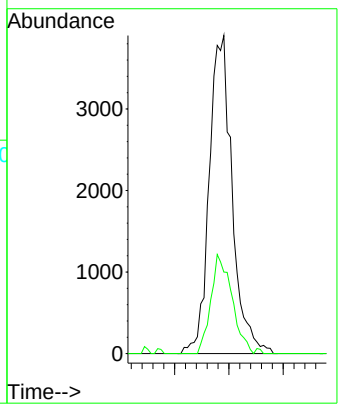
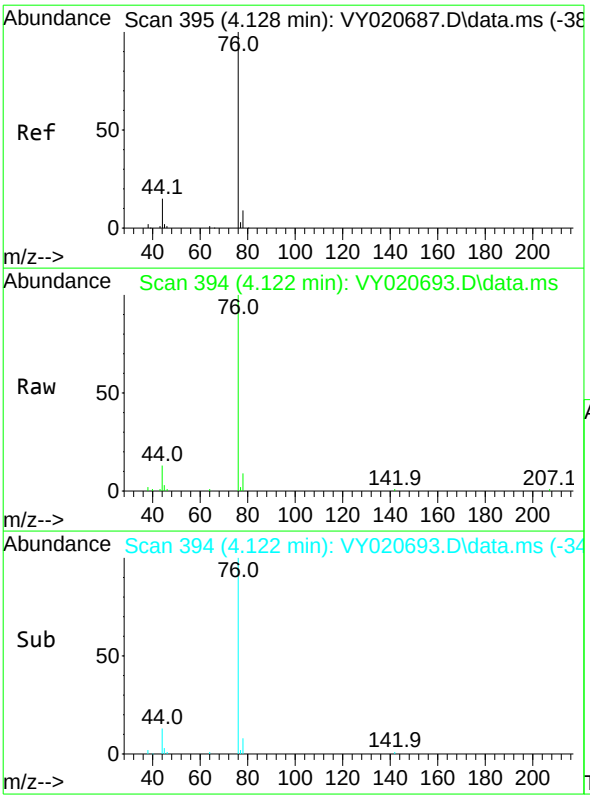


#16
Acetone
Concen: 97.335 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 11433

Ion	Ratio	Lower	Upper
43	100		
58	25.6	25.0	37.6

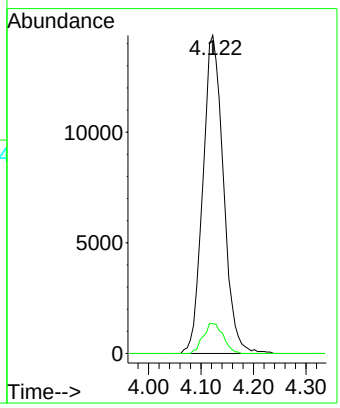




#17
Carbon Disulfide
Concen: 20.272 ug/l
RT: 4.122 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 76 Resp: 39139

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
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ClientSampleId :
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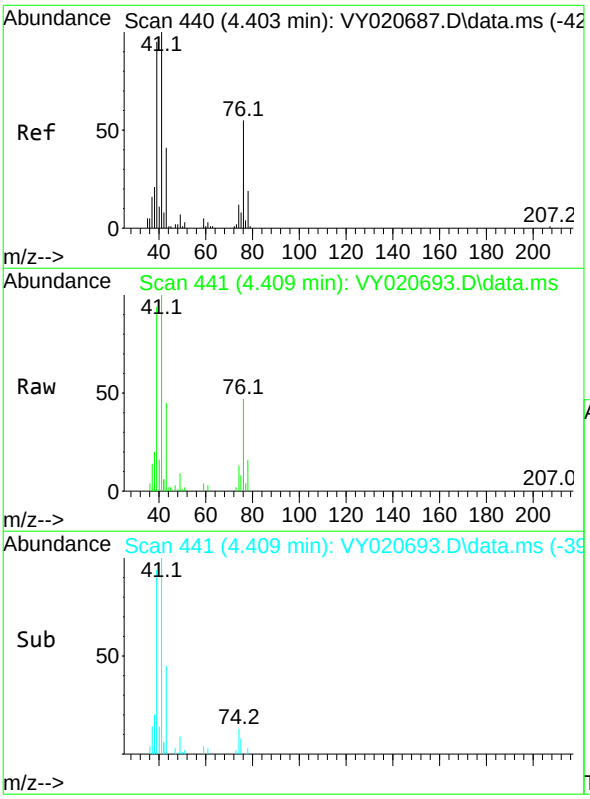
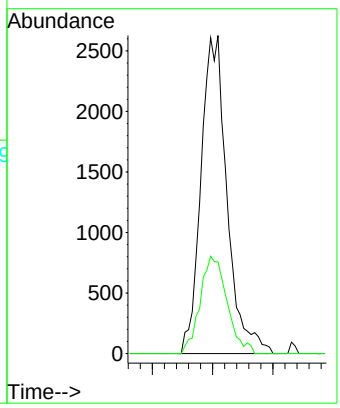
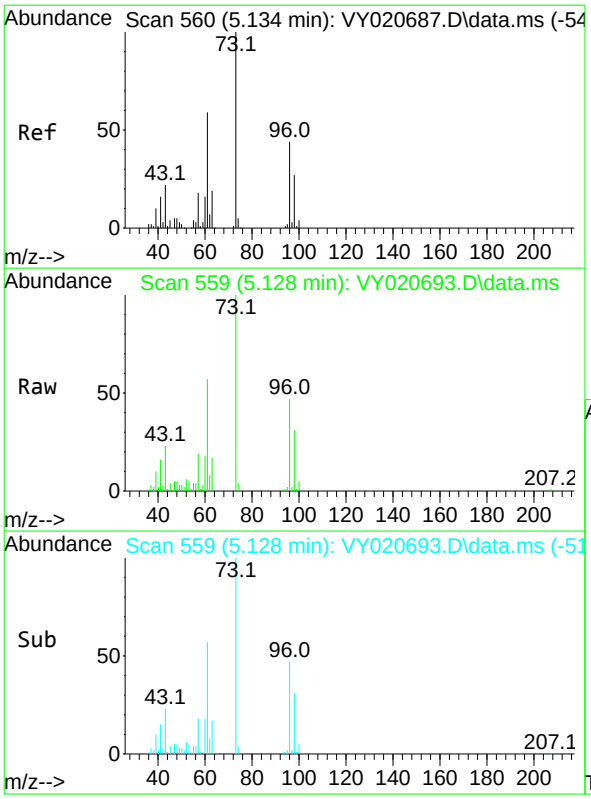


#18
Methyl Acetate
Concen: 25.944 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 7884

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#





#19
Methyl tert-butyl Ether
Concen: 20.690 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 73 Resp: 43581

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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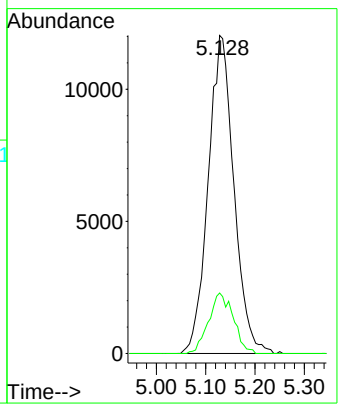
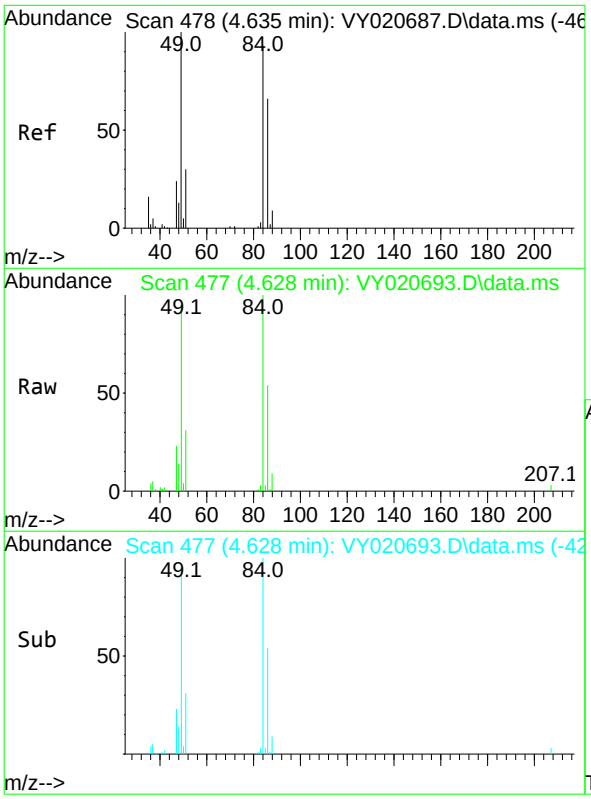
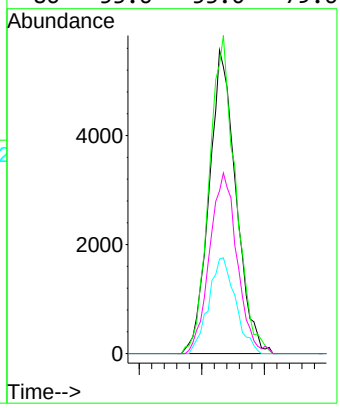


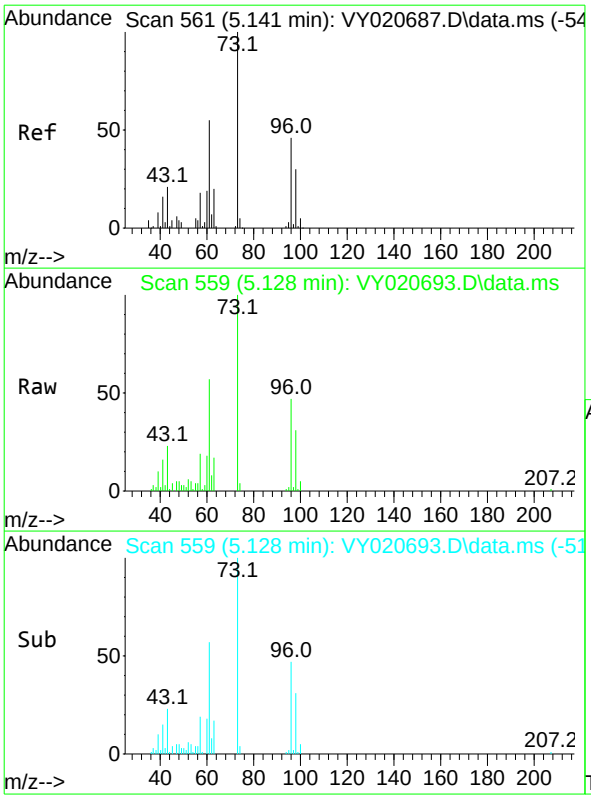


#20
Methylene Chloride
Concen: 21.167 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 84 Resp: 16568

Ion	Ratio	Lower	Upper
84	100		
49	95.3	100.7	151.1#
51	31.2	32.2	48.2#
86	53.6	53.0	79.6

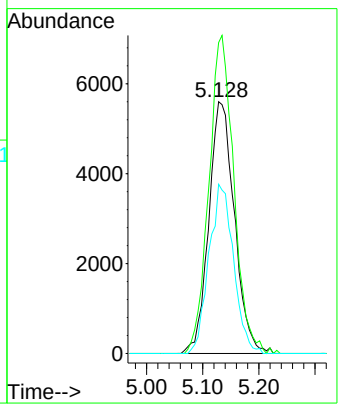




#21
trans-1,2-Dichloroethene
Concen: 21.306 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.012 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 96 Resp: 17790

Ion	Ratio	Lower	Upper
96	100		
61	123.5	113.7	170.5
98	67.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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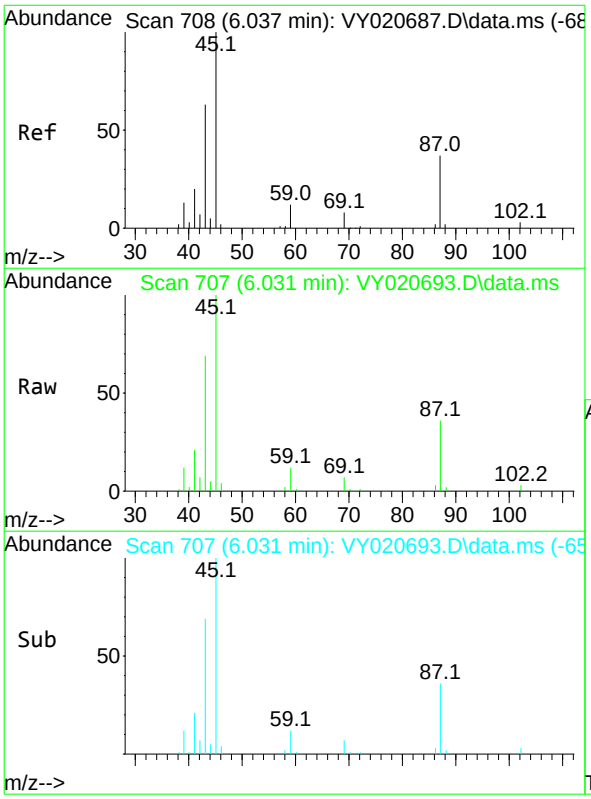
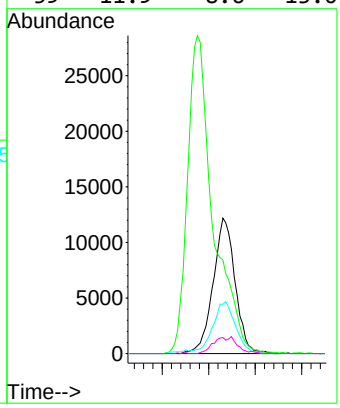
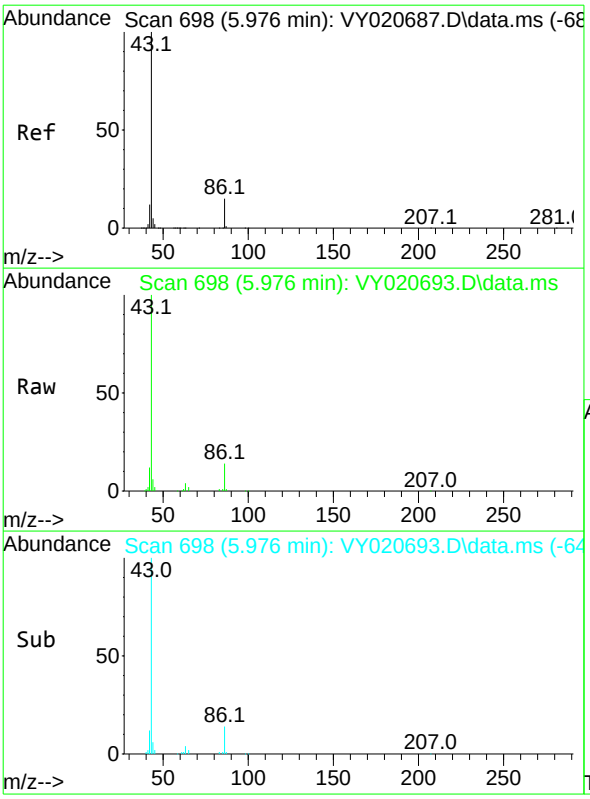


#22
Diisopropyl ether
Concen: 21.549 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 45 Resp: 40004

Ion	Ratio	Lower	Upper
45	100		
43	68.3	42.6	64.0#
87	36.4	20.6	31.0#
59	11.9	8.6	13.0





#23
Vinyl Acetate
Concen: 99.683 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 109581

Ion	Ratio	Lower	Upper
43	100		
86	13.6	8.1	12.1#

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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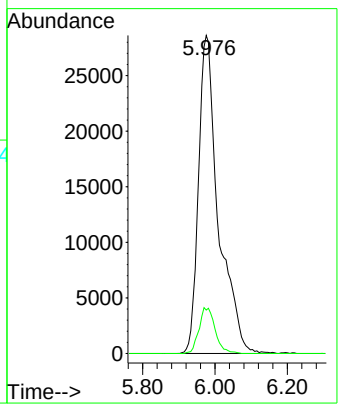
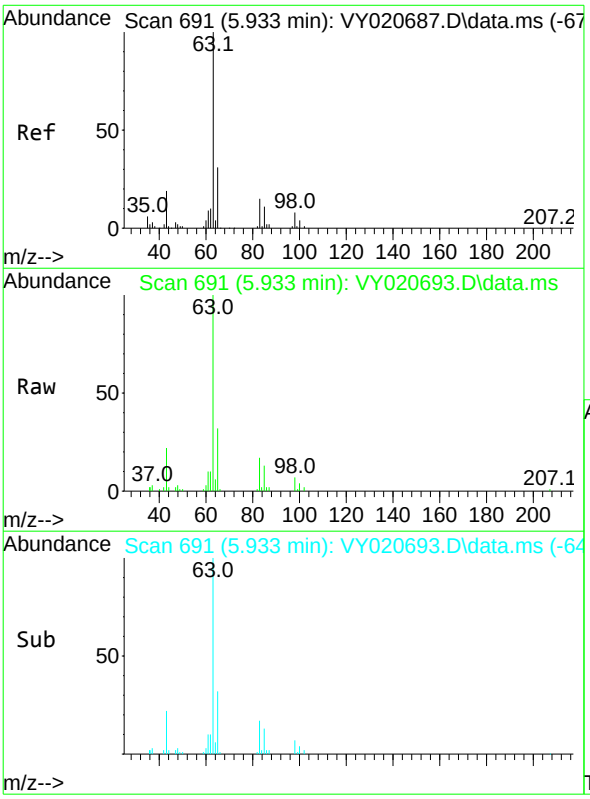
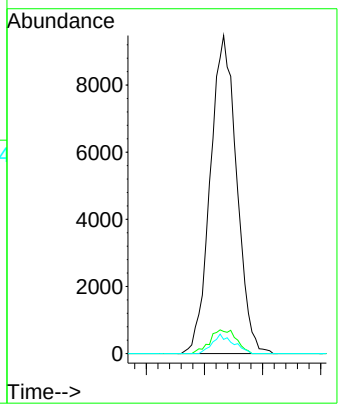


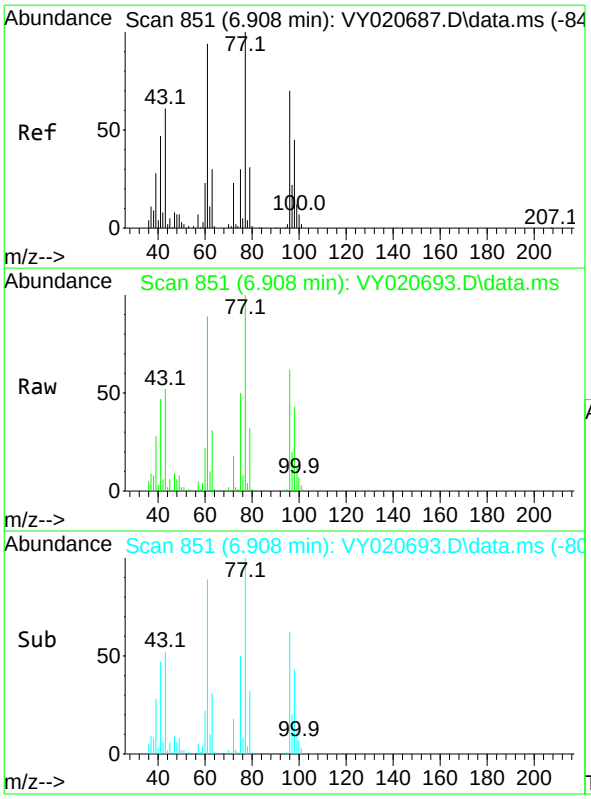


#24
1,1-Dichloroethane
Concen: 21.598 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 63 Resp: 29890

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 98.205 ug/l
RT: 6.908 min Scan# 85
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 16204

Ion	Ratio	Lower	Upper
43	100		
72	35.0	20.6	31.0#

Instrument :
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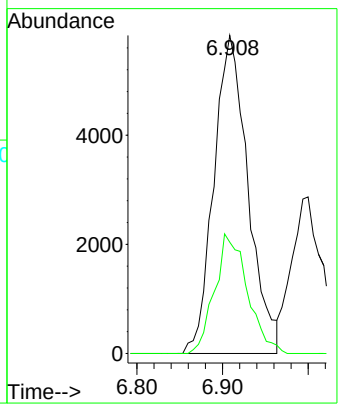
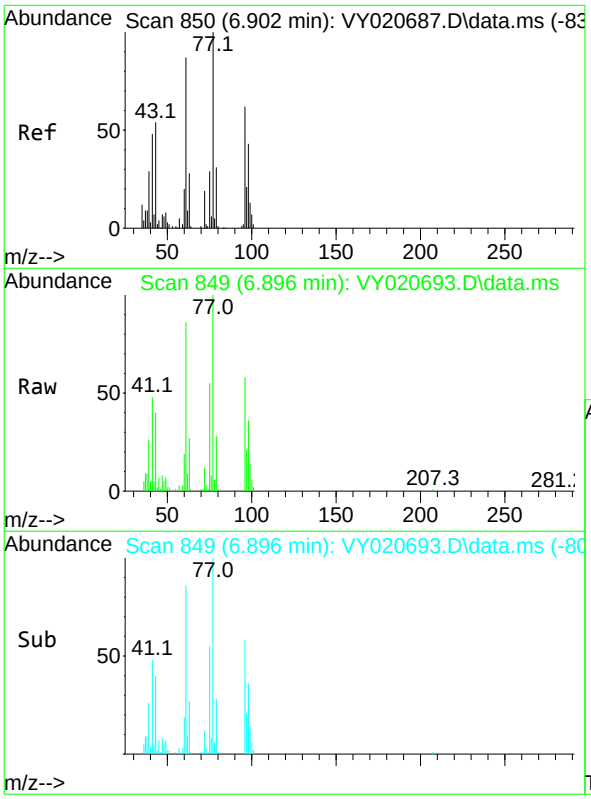
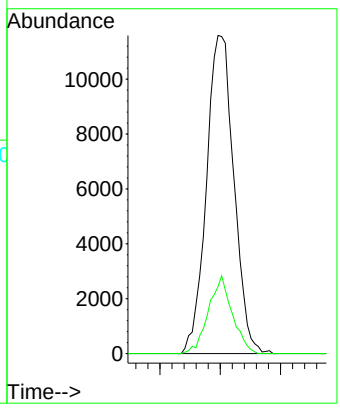


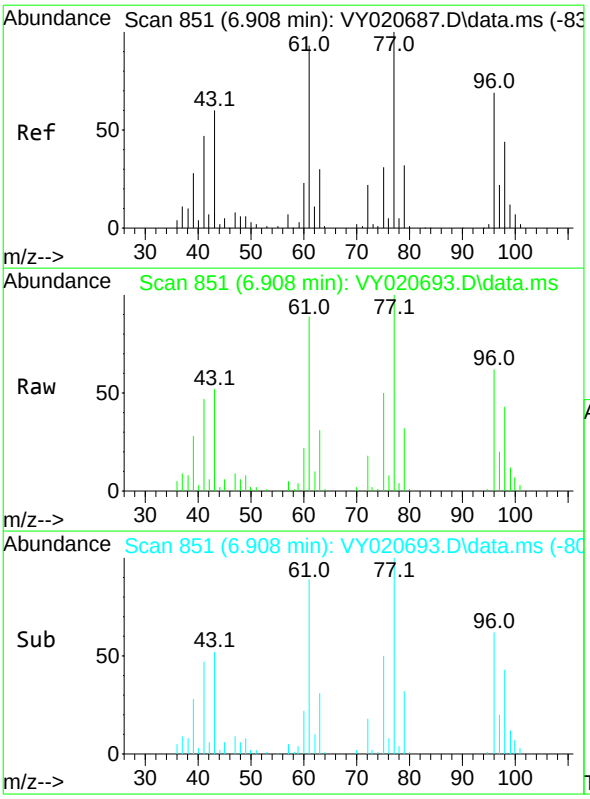


#26
2,2-Dichloropropane
Concen: 21.226 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 77 Resp: 36752

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6

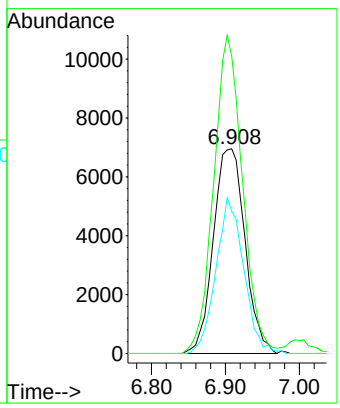




#27
cis-1,2-Dichloroethene
Concen: 20.749 ug/l
RT: 6.908 min Scan# 85
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 96 Resp: 20635

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	306.2
98	66.8	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
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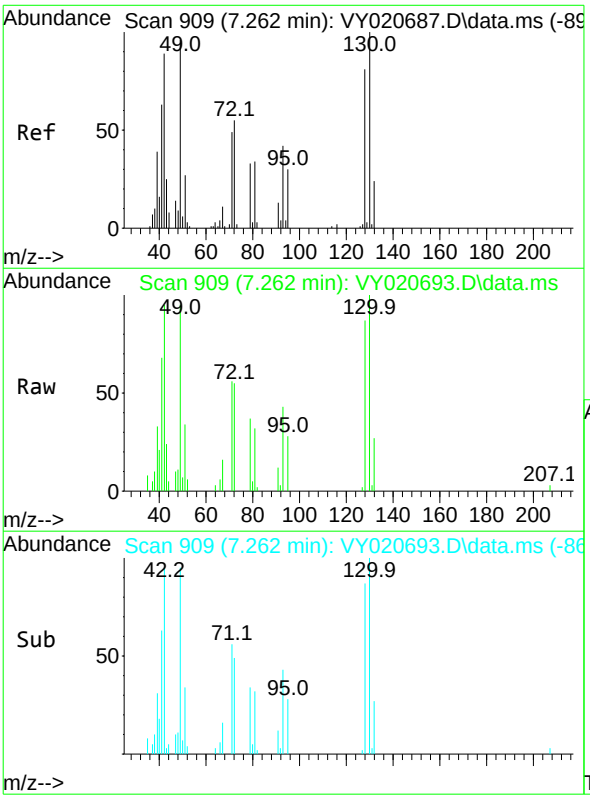
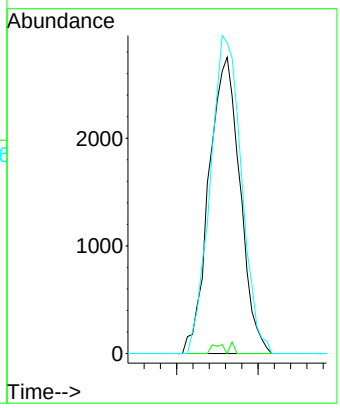
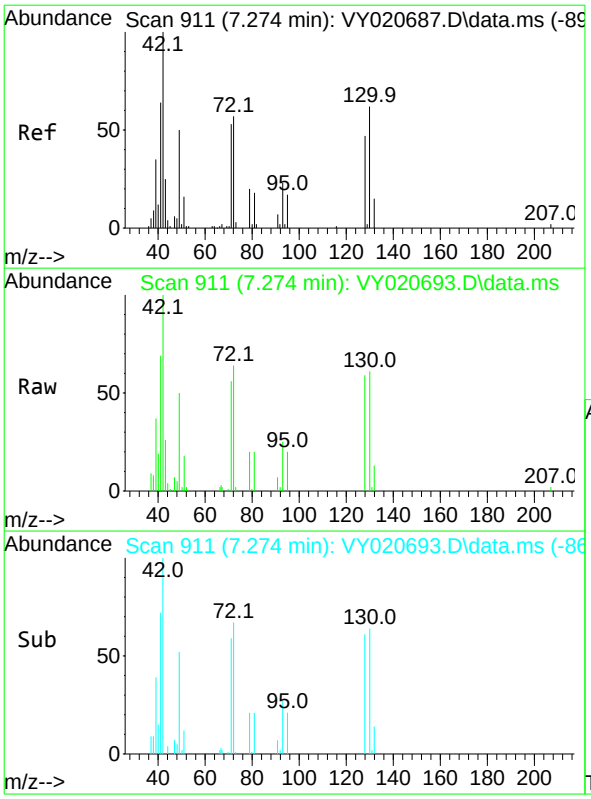


#28
Bromochloromethane
Concen: 19.983 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 49 Resp: 7297

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	107.8	58.3	87.5#





#29
Tetrahydrofuran
Concen: 97.328 ug/l
RT: 7.274 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 42 Resp: 9439

Ion	Ratio	Lower	Upper
42	100		
72	63.8	34.0	51.0#
71	59.6	31.6	47.4#

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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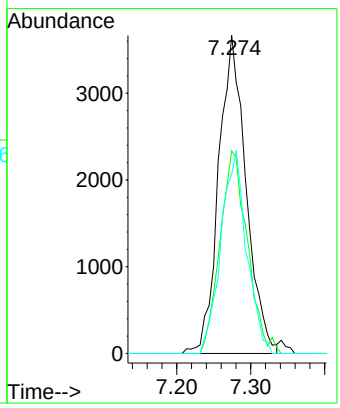
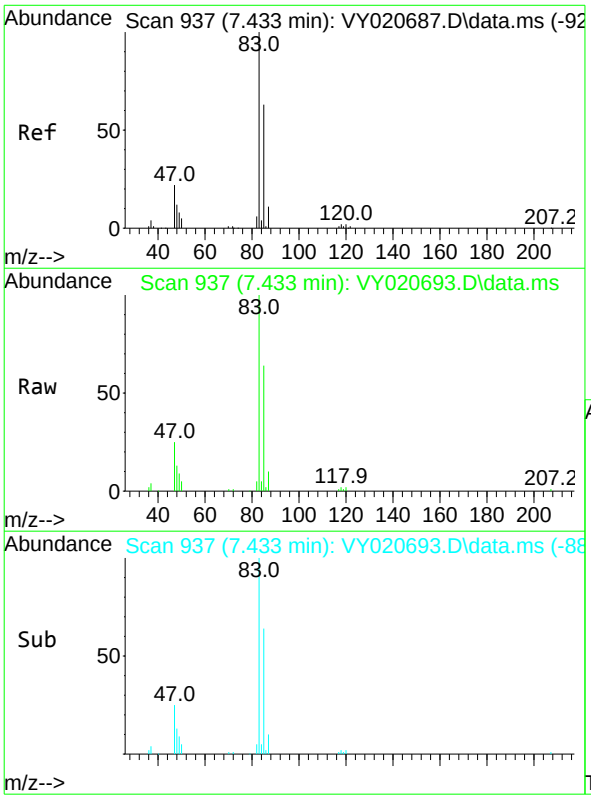
Supervised By :Mahesh Dadoda 12/26/2024

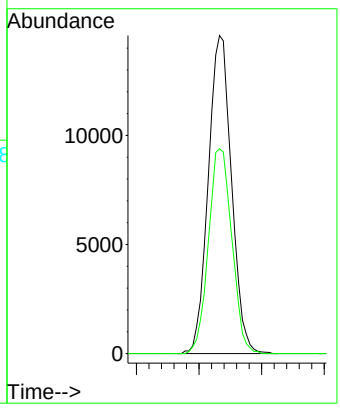


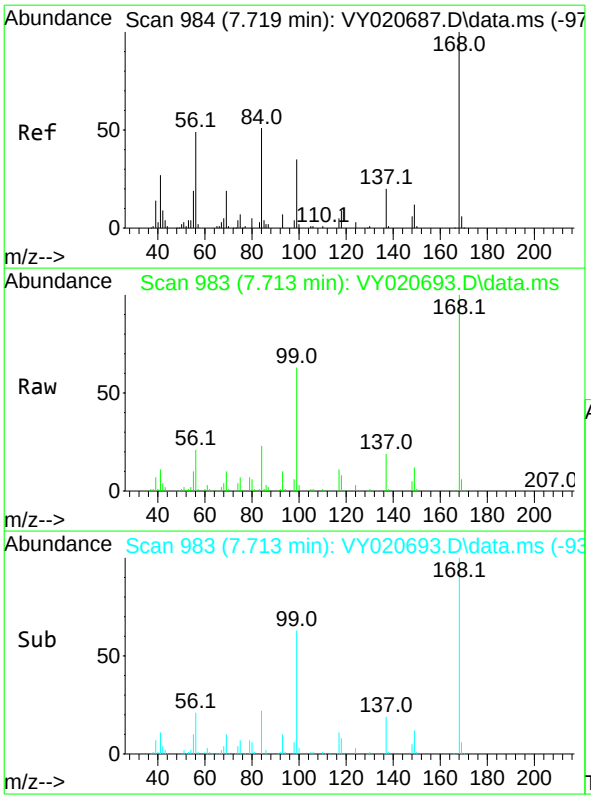


#30
Chloroform
Concen: 20.636 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 83 Resp: 37539

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.7	79.1





#31
Cyclohexane
Concen: 19.943 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 56 Resp: 24199

Ion	Ratio	Lower	Upper
56	100		
69	47.4	25.4	38.0#
84	106.4	68.3	102.5#

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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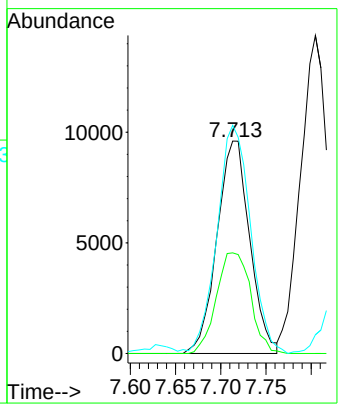
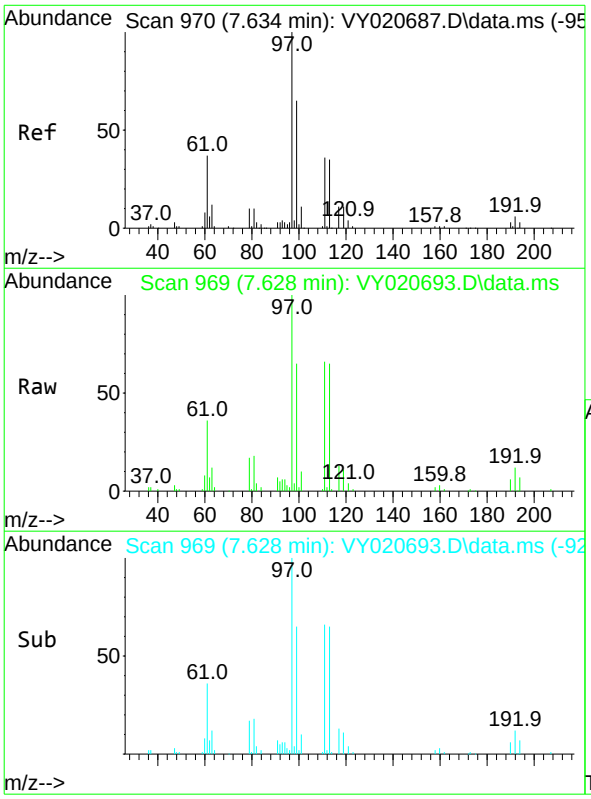
Supervised By :Mahesh Dadoda 12/26/2024

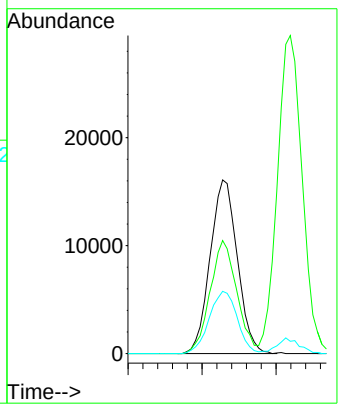


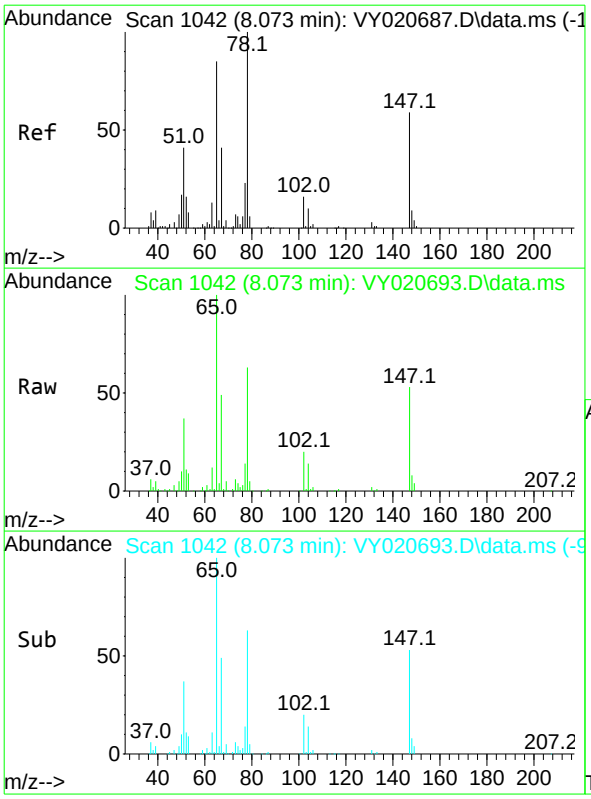


#32
1,1,1-Trichloroethane
Concen: 21.606 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 97 Resp: 41061

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	36.9	34.7	52.1

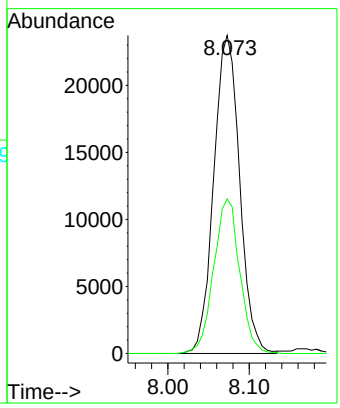




#33
1,2-Dichloroethane-d4
Concen: 51.014 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 65 Resp: 52460

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	108.0



Instrument :
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ClientSampleId :
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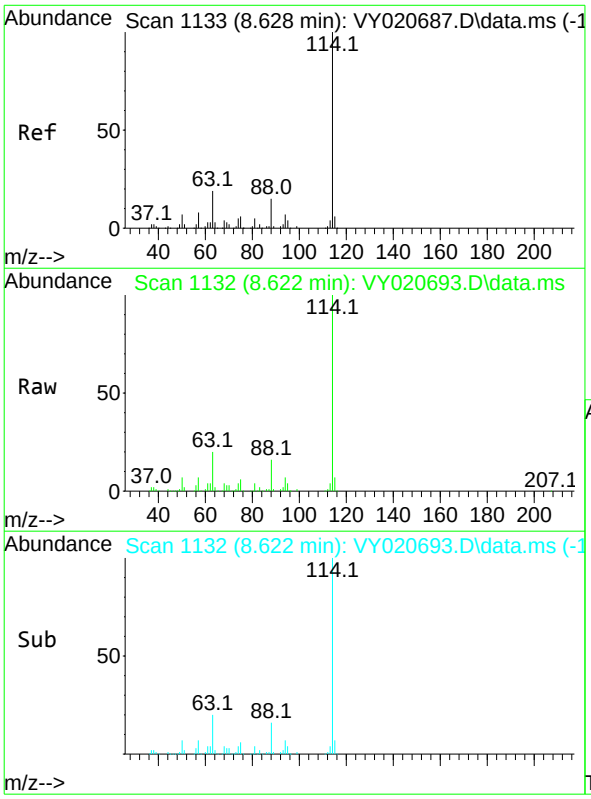
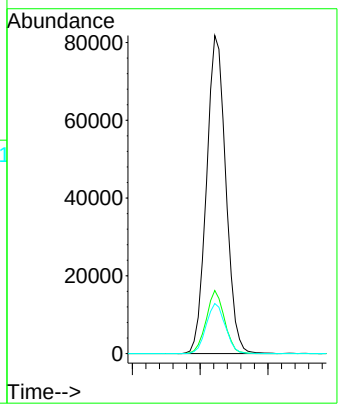
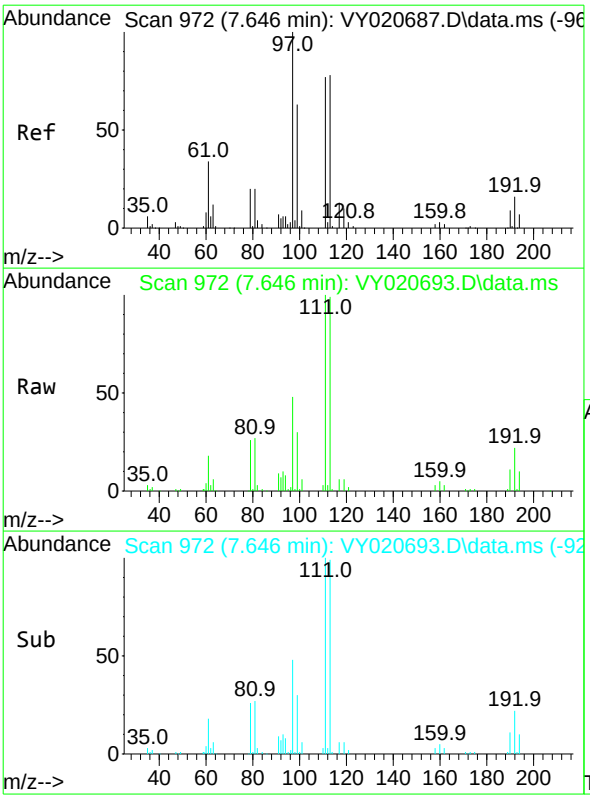


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:114 Resp: 161575

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	44.0
88	15.8	0.0	32.8

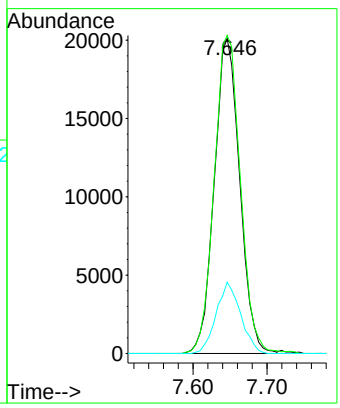




#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:113 Resp: 47926

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	21.8	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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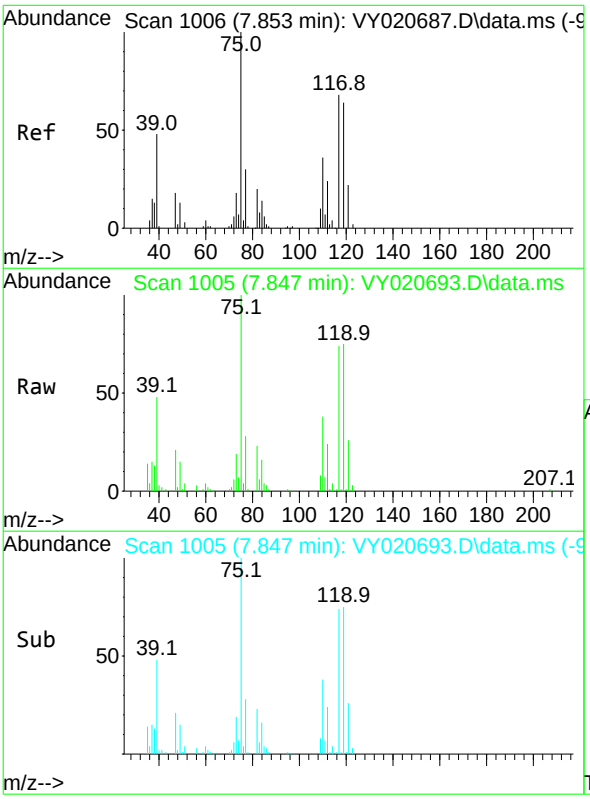
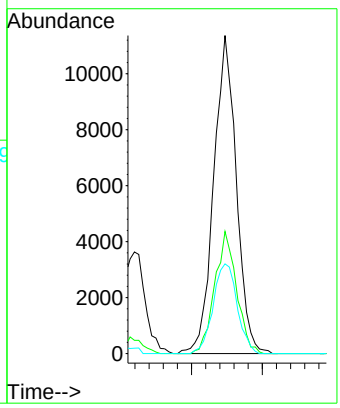
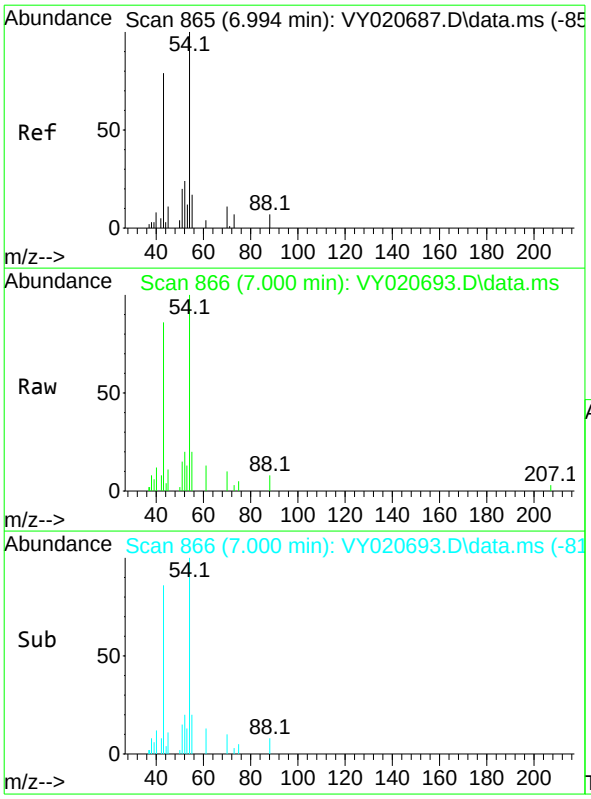


#36
1,1-Dichloropropene
Concen: 21.891 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 25245

Ion	Ratio	Lower	Upper
75	100		
110	37.1	16.8	50.4
77	30.0	25.0	37.6





#37
Ethyl Acetate
Concen: 19.067 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 7186

Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.0	16.4
70	12.9	7.9	11.9#

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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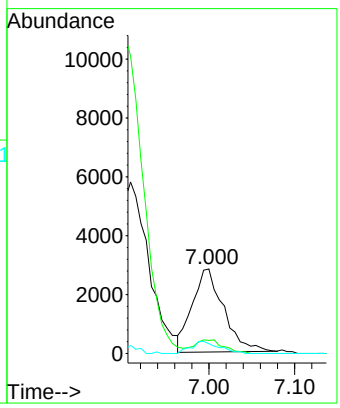
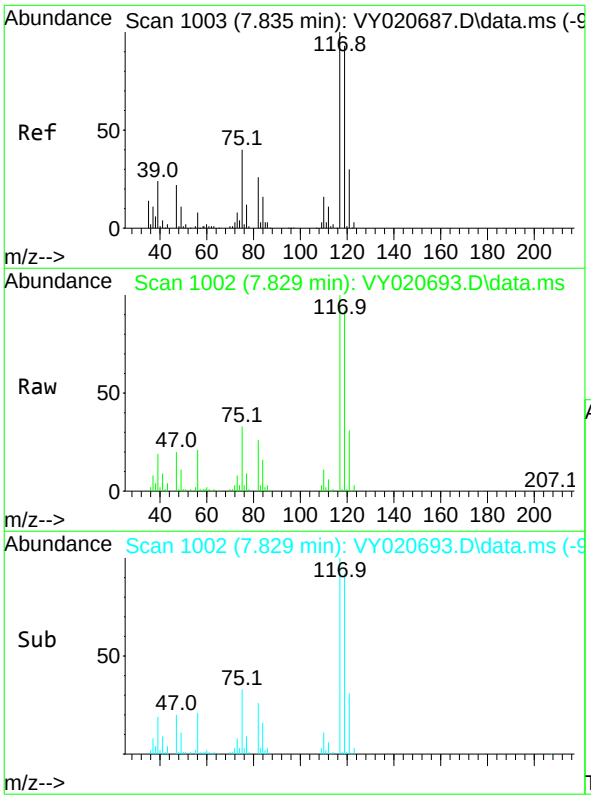
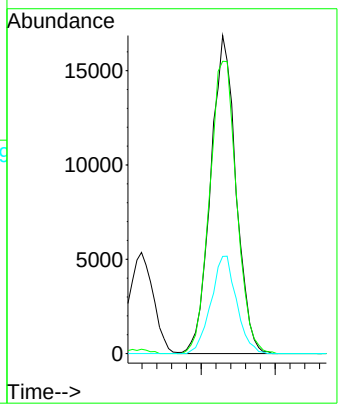


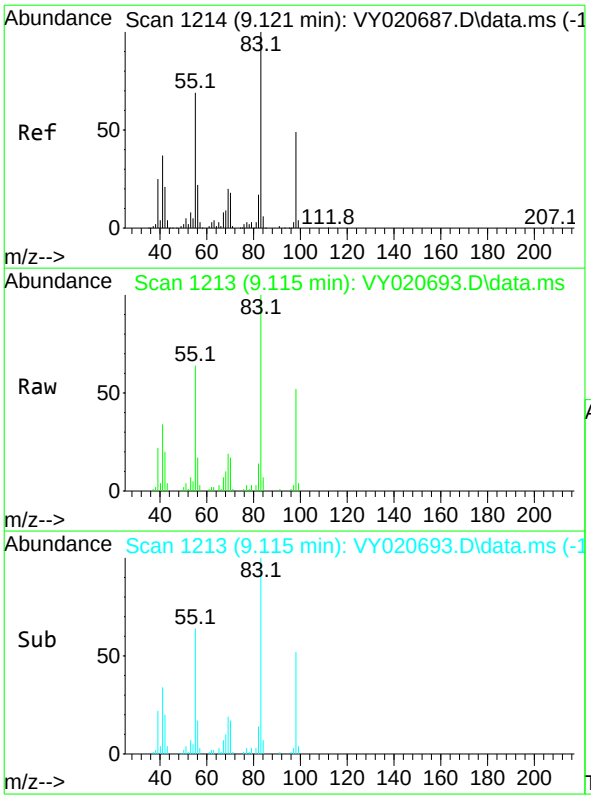


#38
Carbon Tetrachloride
Concen: 21.479 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:117 Resp: 40083

Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.3	117.5
121	30.6	25.1	37.7

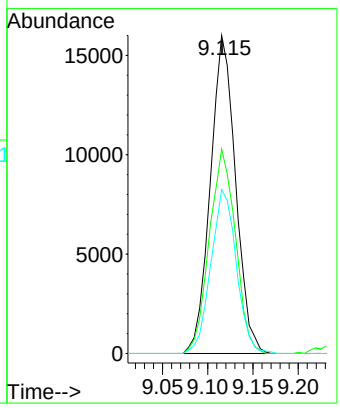




#39
Methylcyclohexane
Concen: 21.159 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 83 Resp: 31014

Ion	Ratio	Lower	Upper
83	100		
55	64.3	61.4	92.0
98	51.5	37.3	55.9



Instrument :
MSVOA_Y
ClientSampleId :
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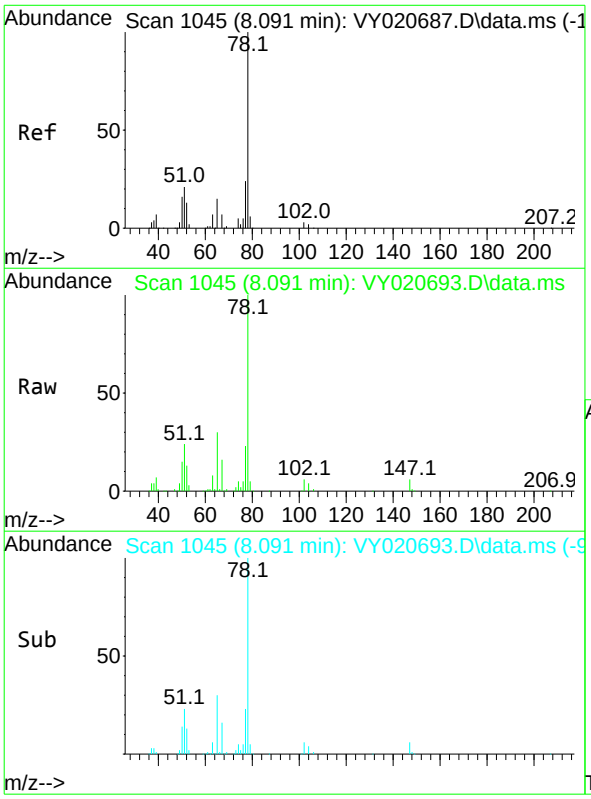
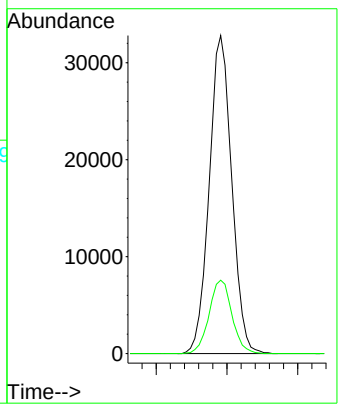
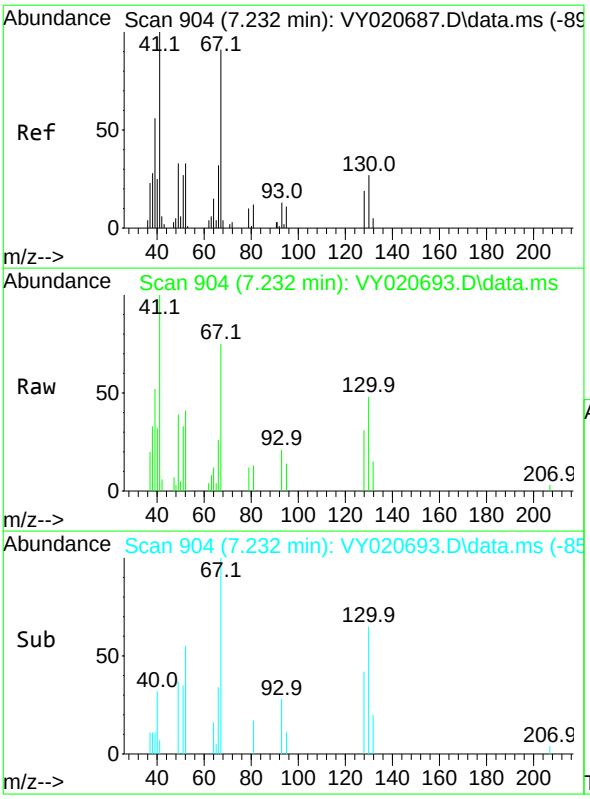


#40
Benzene
Concen: 21.770 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 78 Resp: 72425

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.1	30.1

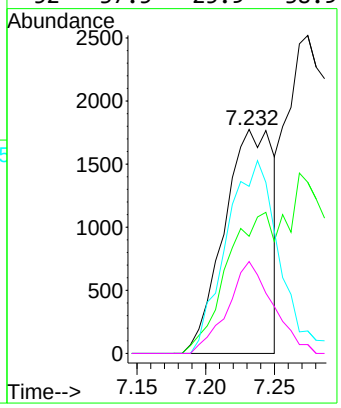




#41
Methacrylonitrile
Concen: 20.743 ug/l m
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 41 Resp: 4429

Ion	Ratio	Lower	Upper
41	100		
39	60.1	53.6	80.4
67	92.1	62.0	93.0
52	37.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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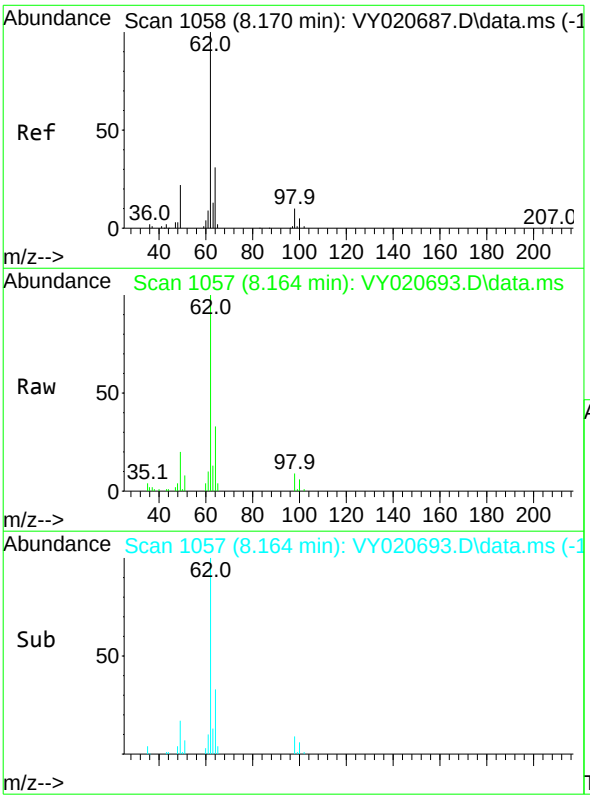
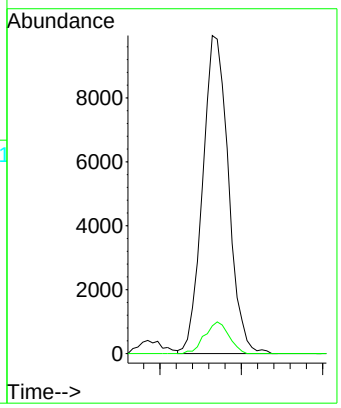
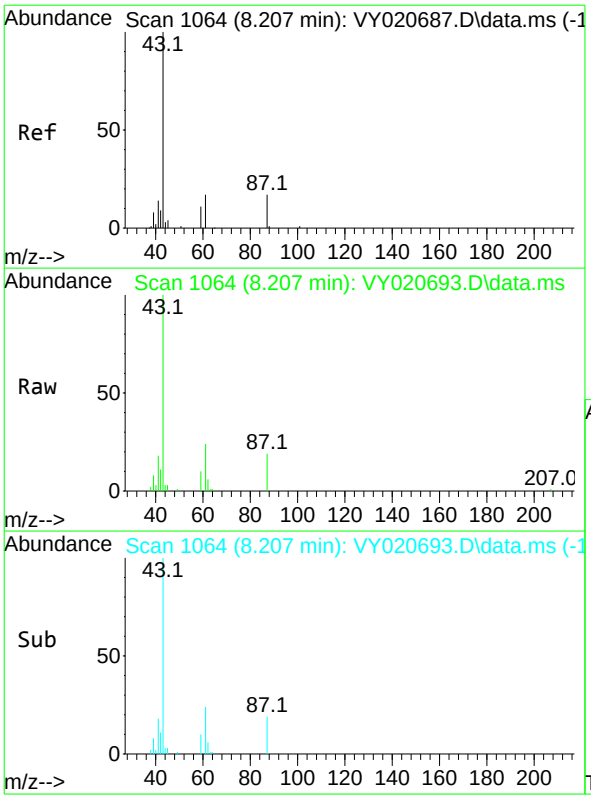


#42
1,2-Dichloroethane
Concen: 20.681 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 62 Resp: 21881

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0

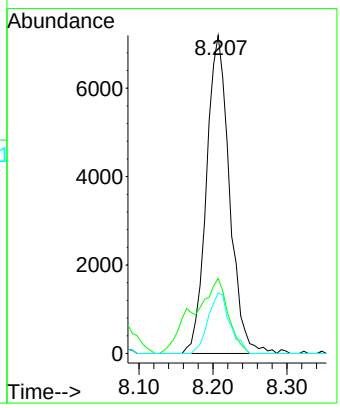




#43
Isopropyl Acetate
Concen: 19.841 ug/l
RT: 8.207 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 15542

Ion	Ratio	Lower	Upper
43	100		
61	35.6	23.8	35.6
87	18.1	10.2	15.4#



Instrument :
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ClientSampleId :
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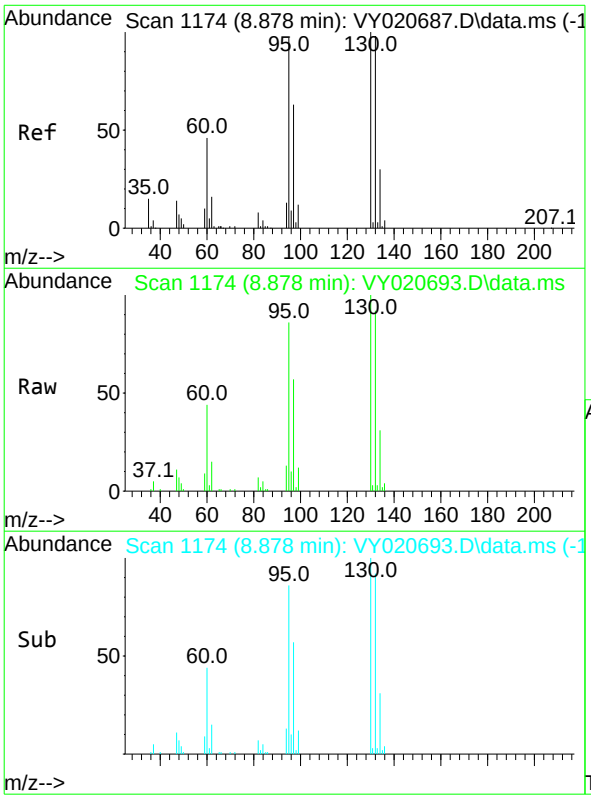
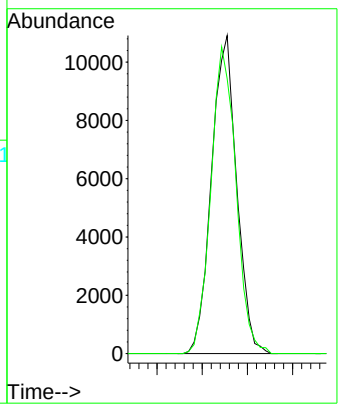
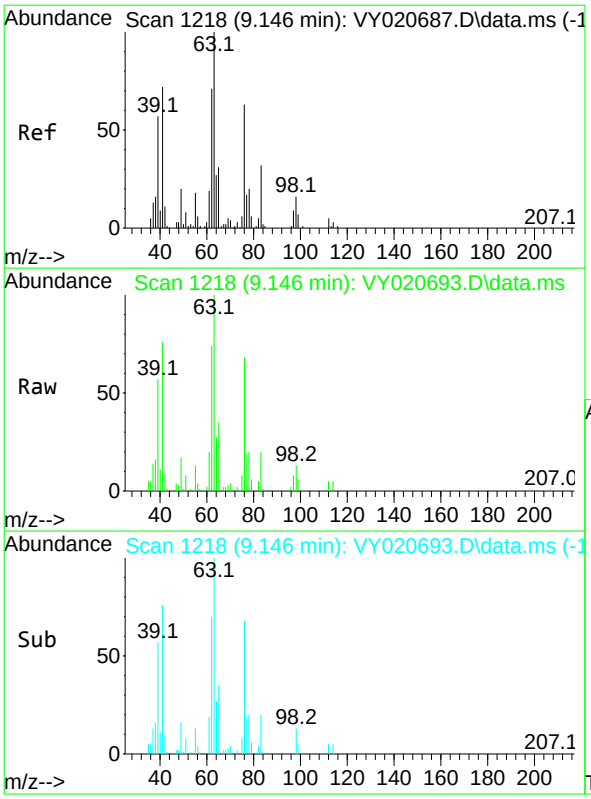


#44
Trichloroethene
Concen: 21.389 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:130 Resp: 21118

Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	203.2

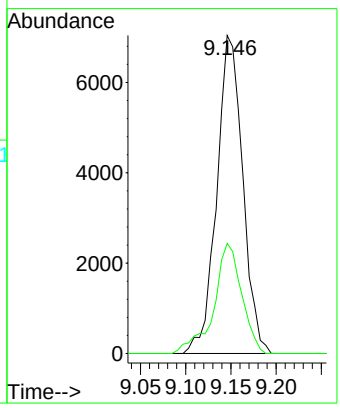




#45
1,2-Dichloropropane
Concen: 21.538 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 63 Resp: 14078

Ion	Ratio	Lower	Upper
63	100		
65	34.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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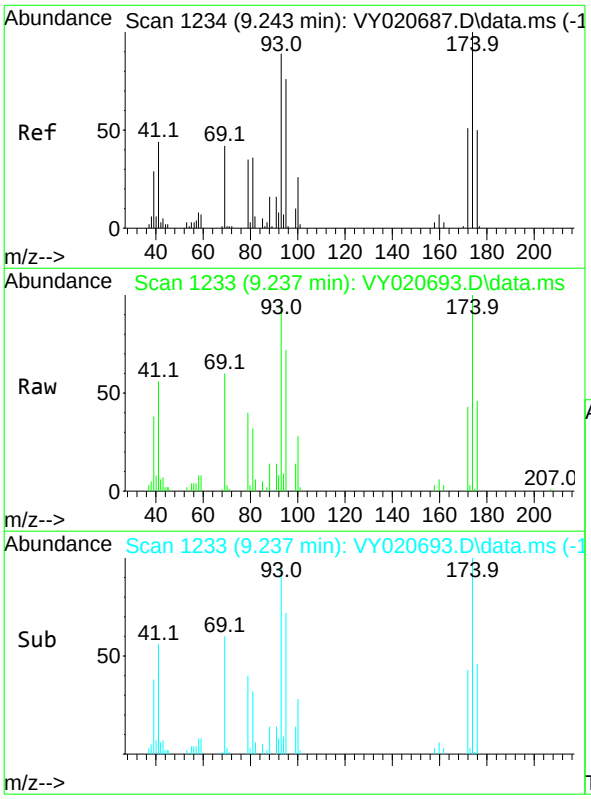
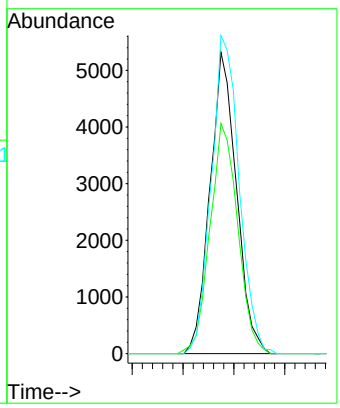
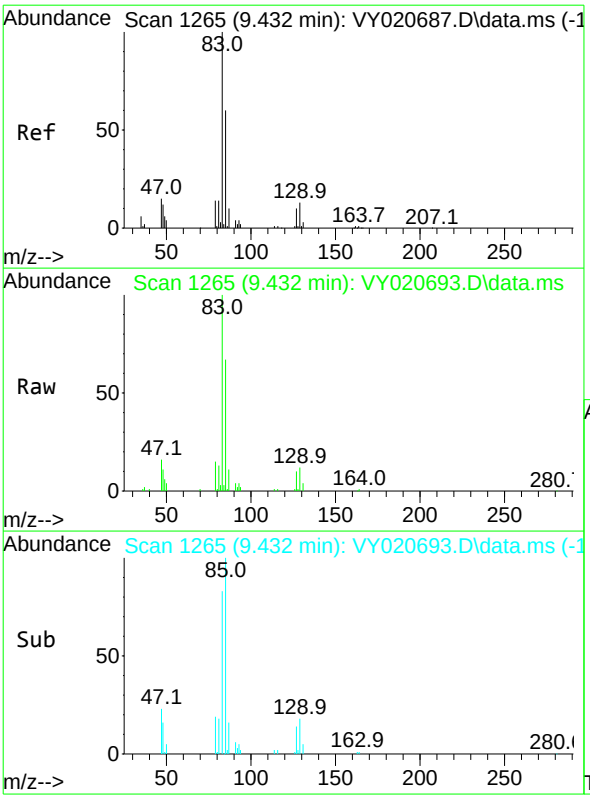


#46
Dibromomethane
Concen: 21.314 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 93 Resp: 9618

Ion	Ratio	Lower	Upper
93	100		
95	79.7	66.7	100.1
174	111.4	77.8	116.6





#47
Bromodichloromethane
Concen: 21.486 ug/l
RT: 9.432 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 83 Resp: 27504

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.1	78.1
127	9.7	6.7	10.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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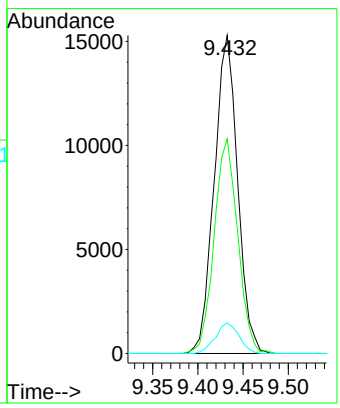
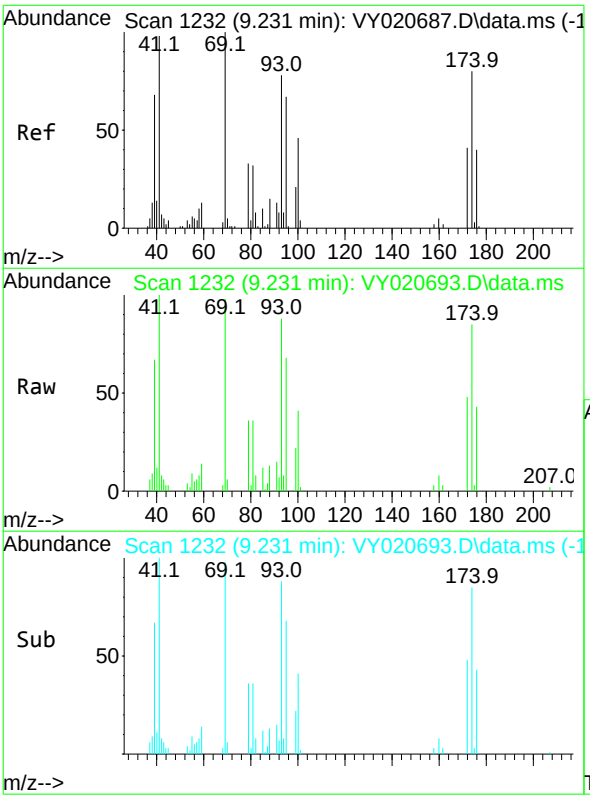
Supervised By :Mahesh Dadoda 12/26/2024

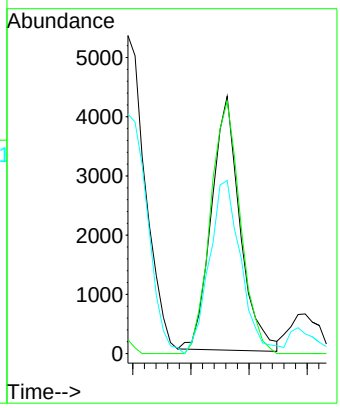


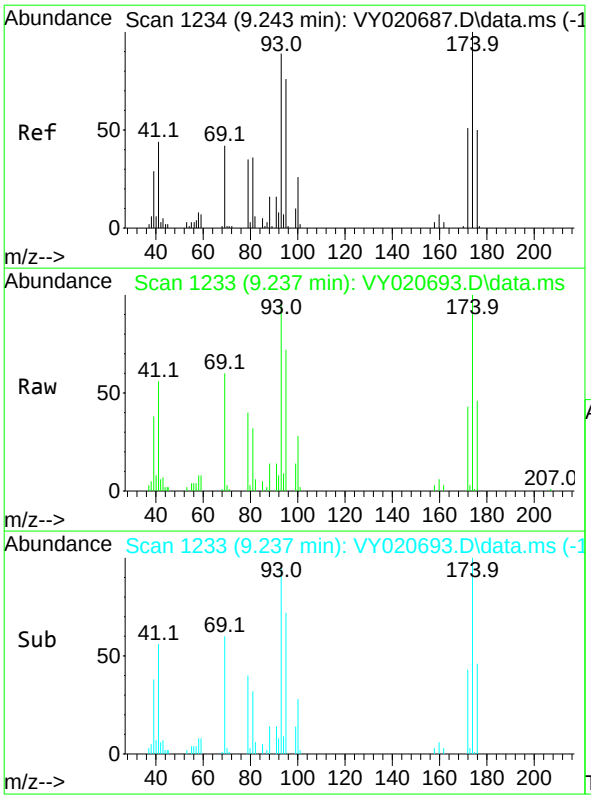


#48
Methyl methacrylate
Concen: 19.772 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 41 Resp: 7342

Ion	Ratio	Lower	Upper
41	100		
69	103.9	67.2	100.8#
39	75.0	42.2	63.4#





#49
1,4-Dioxane
Concen: 427.889 ug/l
RT: 9.237 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 88 Resp: 1811

Ion	Ratio	Lower	Upper
88	100		
43	31.5	27.6	41.4
58	63.5	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
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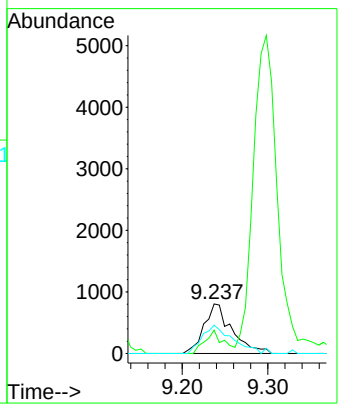
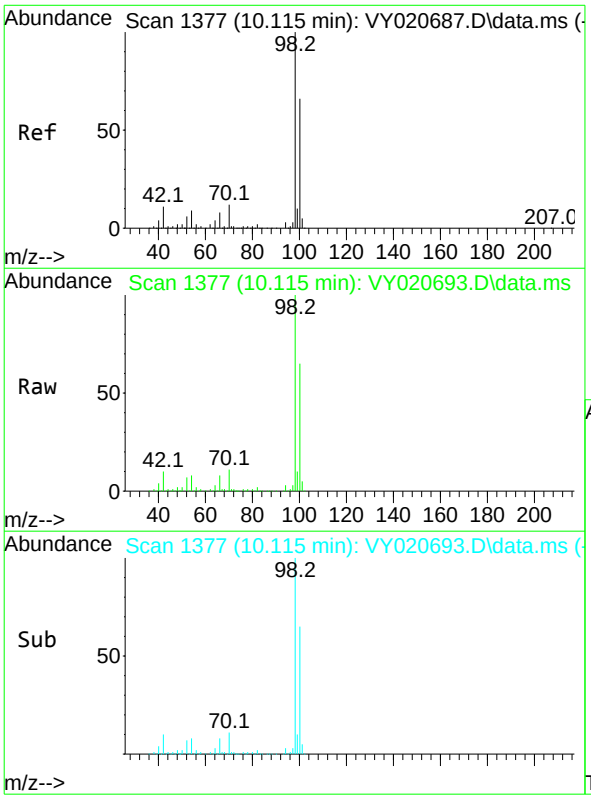
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

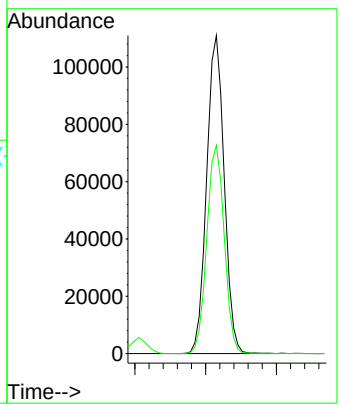


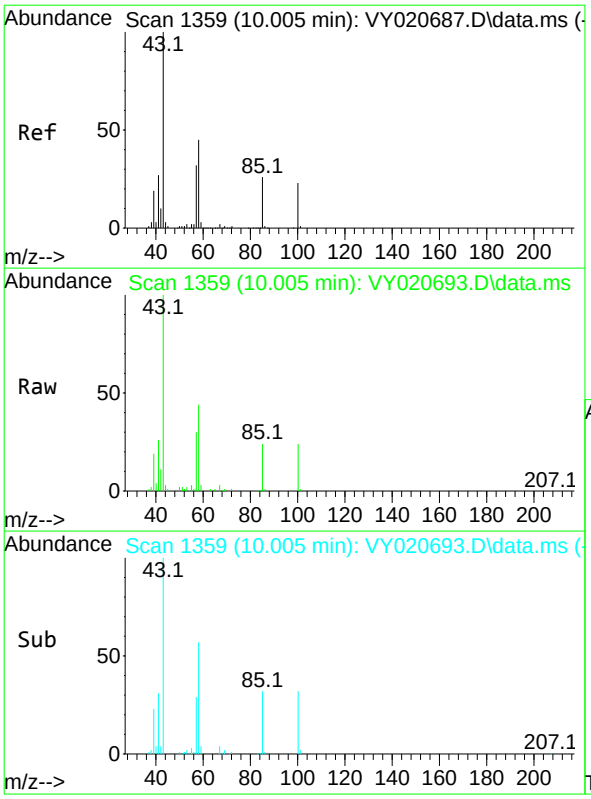


#50
Toluene-d8
Concen: 55.376 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 98 Resp: 190819

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 98.474 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 38532

Ion	Ratio	Lower	Upper
43	100		
58	43.8	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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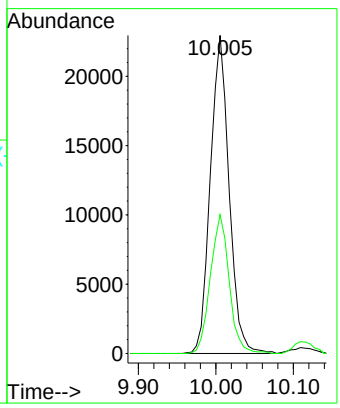
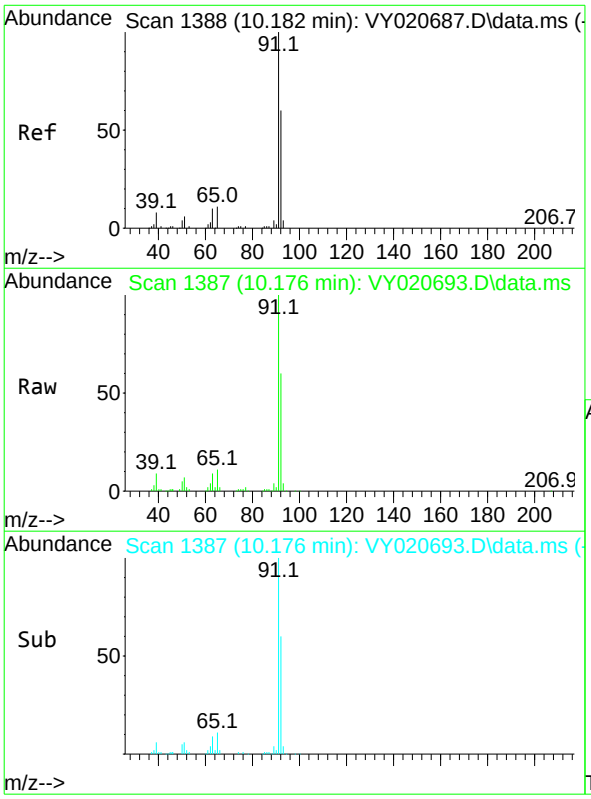
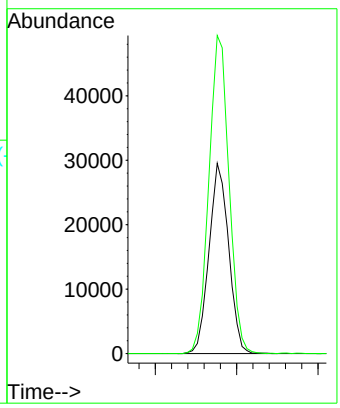


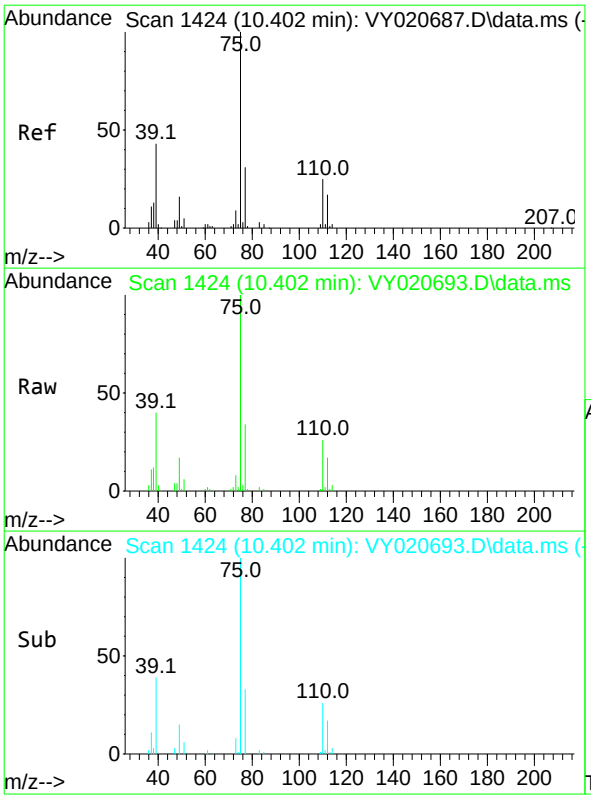


#52
Toluene
Concen: 21.851 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 92 Resp: 49502

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.4	206.0

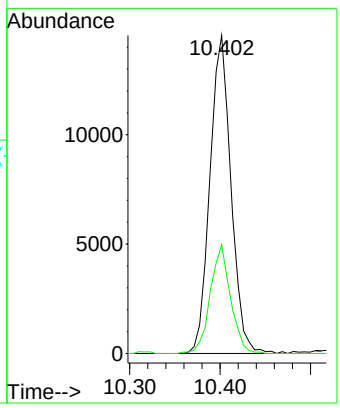




#53
t-1,3-Dichloropropene
Concen: 20.797 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 23556

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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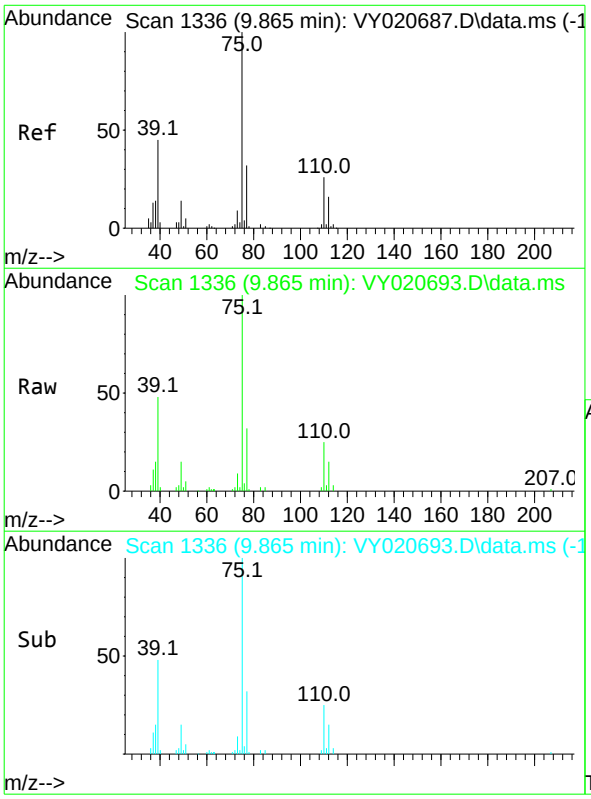
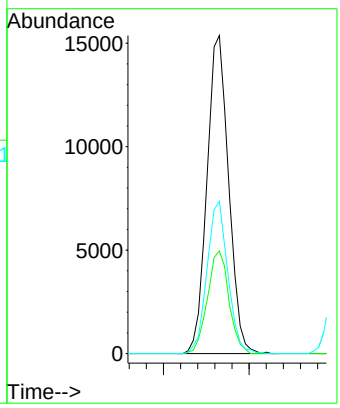
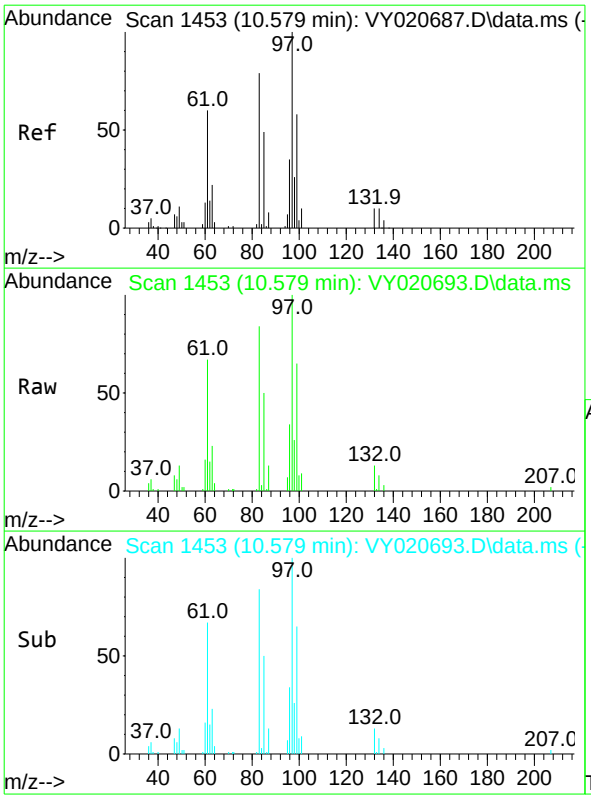


#54
cis-1,3-Dichloropropene
Concen: 21.634 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 27001

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	36.8
39	47.9	36.4	54.6

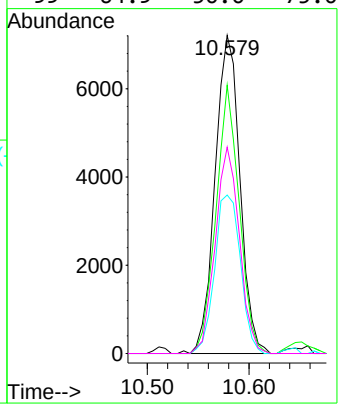




#55
1,1,2-Trichloroethane
Concen: 20.921 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 97 Resp: 12224

Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.4	105.6
85	49.8	47.2	70.8
99	64.9	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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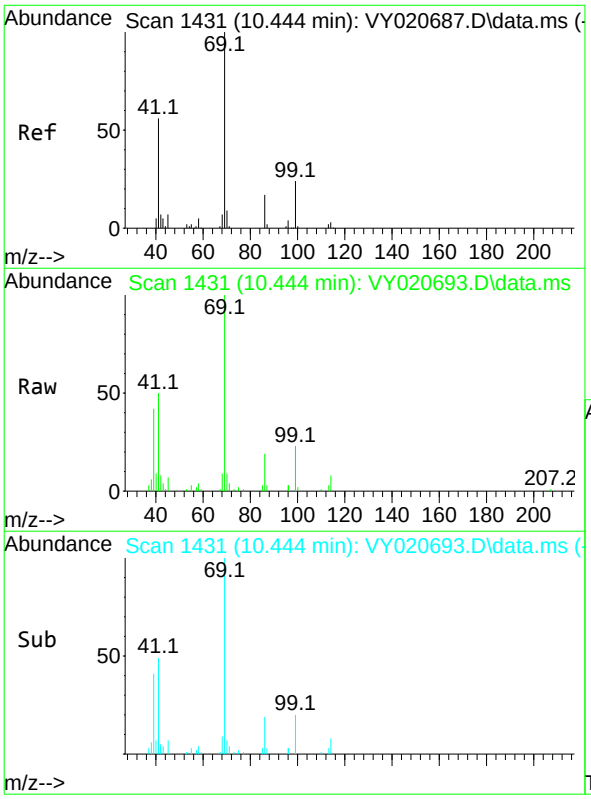
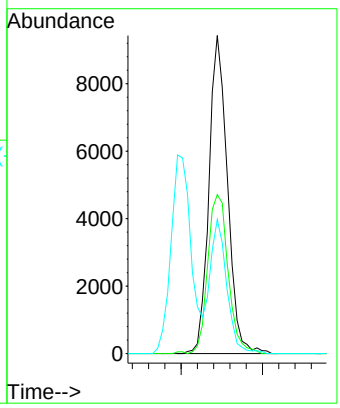
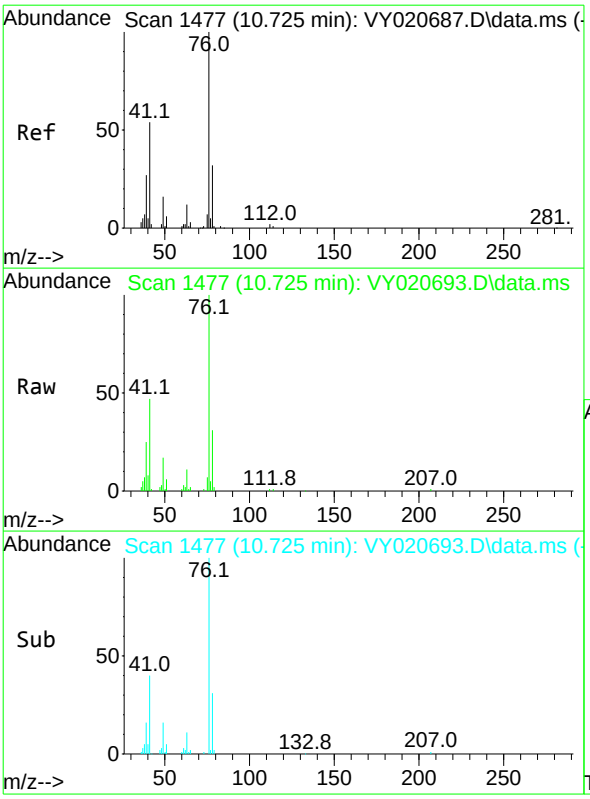


#56
Ethyl methacrylate
Concen: 19.978 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 69 Resp: 14890

Ion	Ratio	Lower	Upper
69	100		
41	55.4	54.0	81.0
39	38.5	27.9	41.9





#57
1,3-Dichloropropane
Concen: 20.998 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 76 Resp: 20055

Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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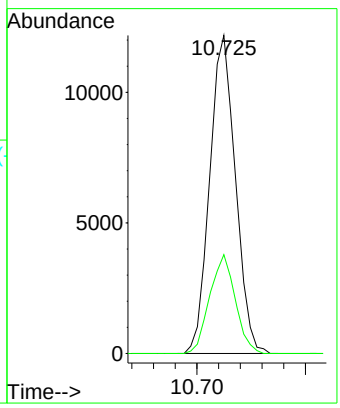
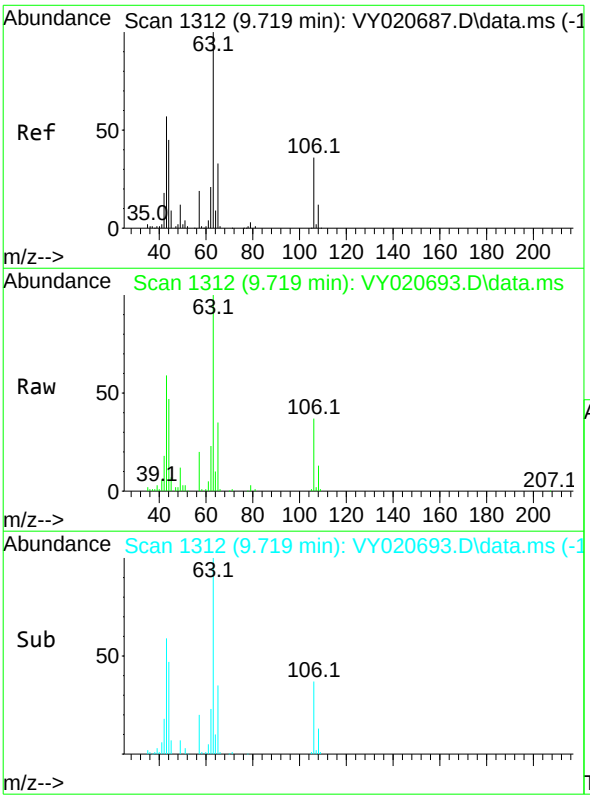
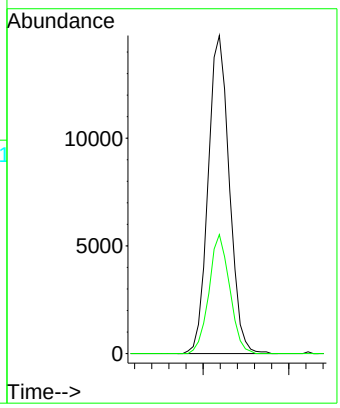


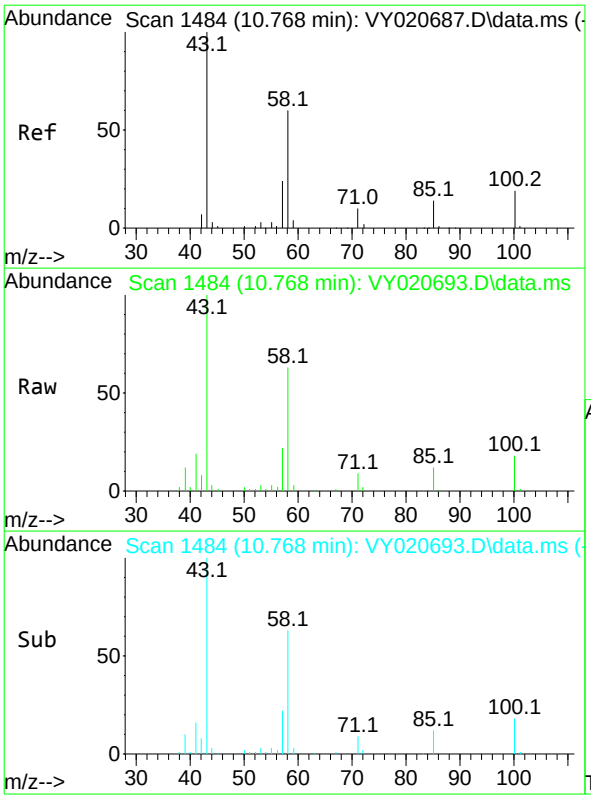


#58
2-Chloroethyl Vinyl ether
Concen: 91.075 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 63 Resp: 25366

Ion	Ratio	Lower	Upper
63	100		
106	36.6	21.5	32.3#





#59
2-Hexanone
Concen: 99.033 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 24683

Ion	Ratio	Lower	Upper
43	100		
58	60.6	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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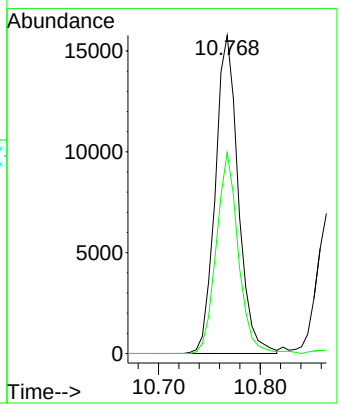
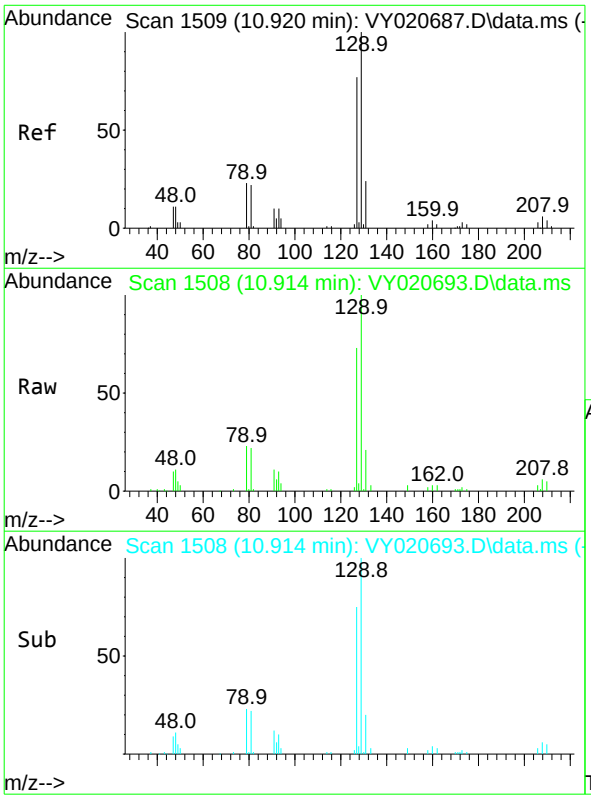
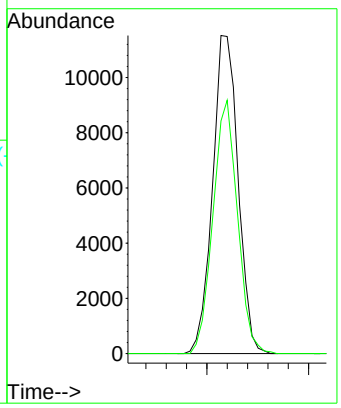


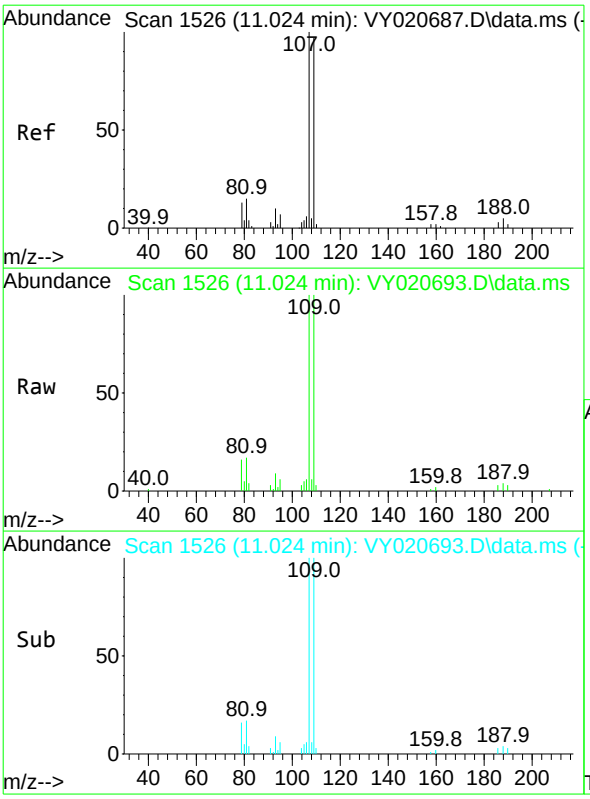


#60
Dibromochloromethane
Concen: 21.535 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:129 Resp: 20089

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3





#61
1,2-Dibromoethane
Concen: 20.876 ug/l
RT: 11.024 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:107 Resp: 11435

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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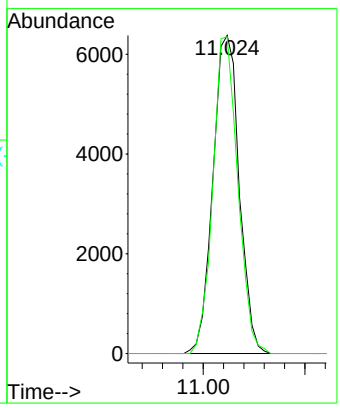
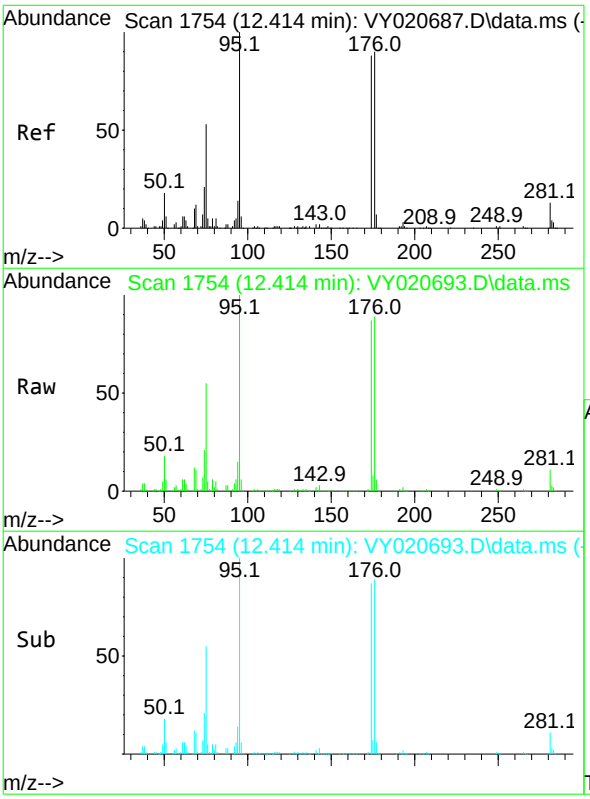
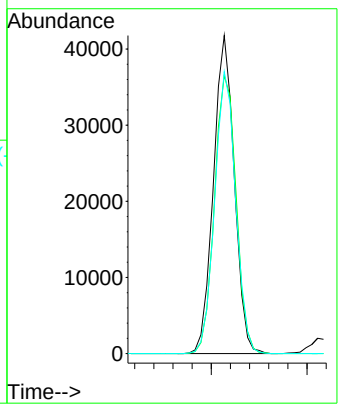


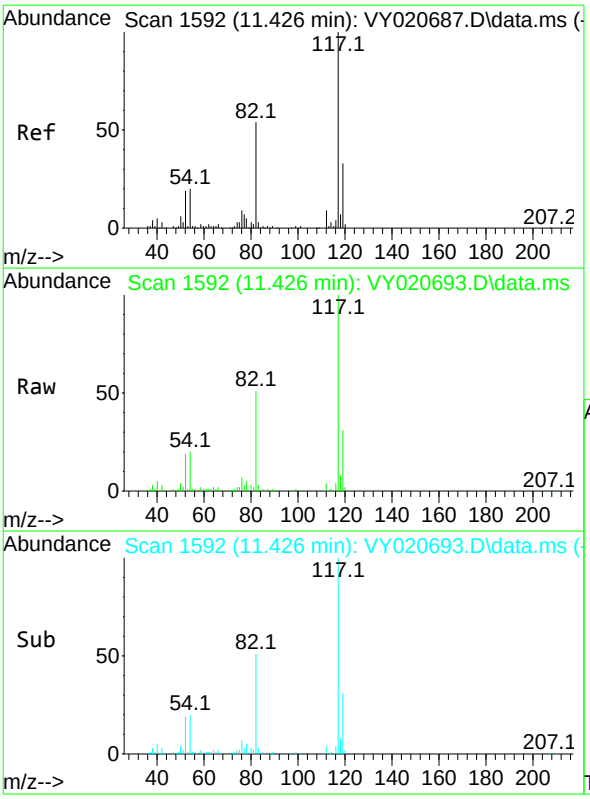


#62
4-Bromofluorobenzene
Concen: 50.391 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 95 Resp: 63200

Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	161.8
176	89.0	0.0	156.6

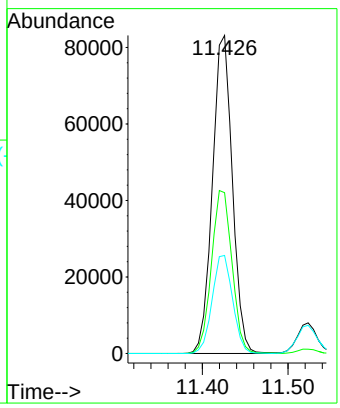




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:117 Resp: 134443

Ion	Ratio	Lower	Upper
117	100		
82	50.6	45.8	68.6
119	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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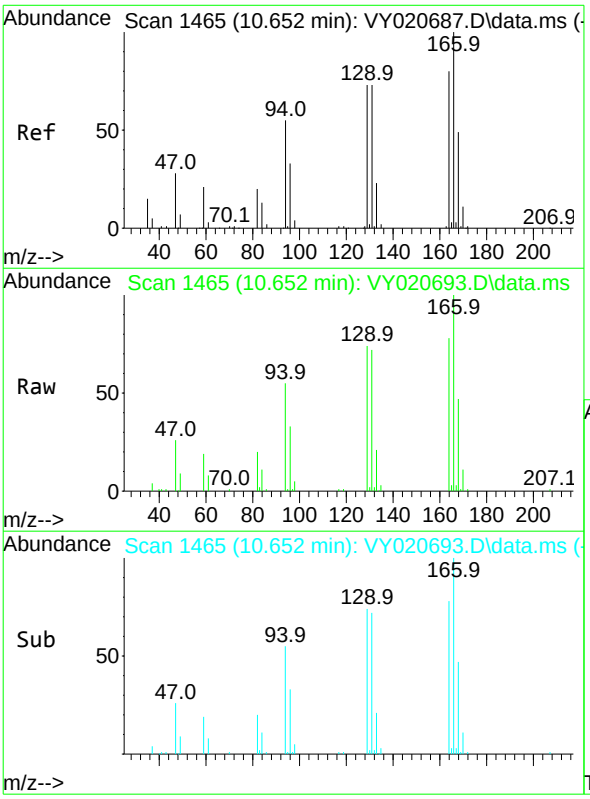
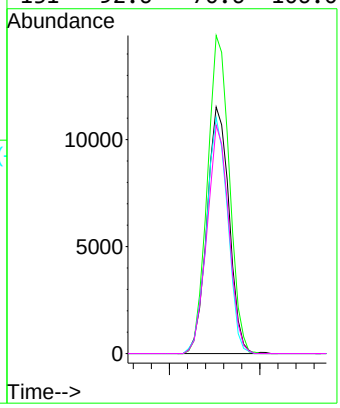
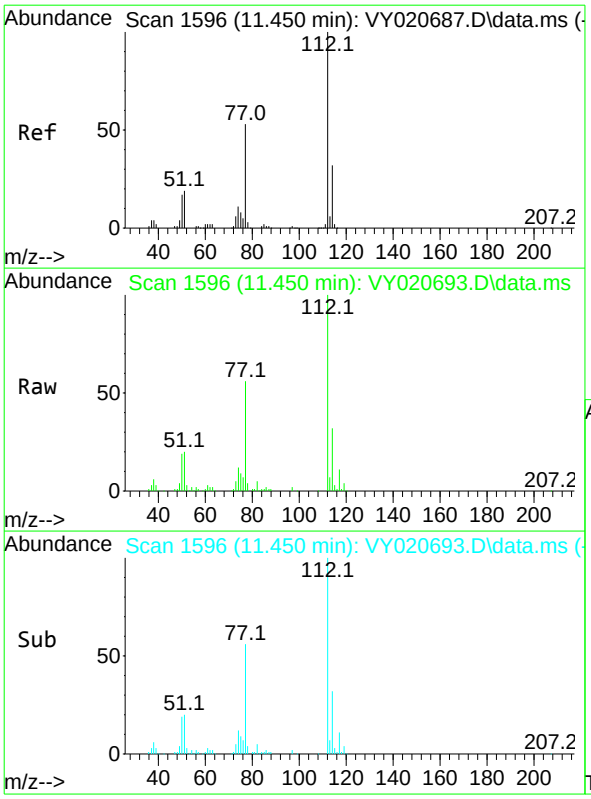


#64
Tetrachloroethene
Concen: 21.953 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:164 Resp: 19601

Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.9	146.9
129	95.6	73.4	110.0
131	92.6	70.6	106.0





#65
Chlorobenzene
Concen: 22.012 ug/l
RT: 11.450 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:112 Resp: 55302

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
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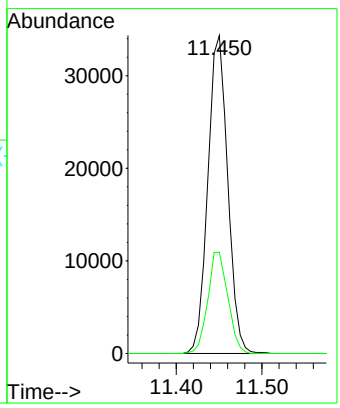
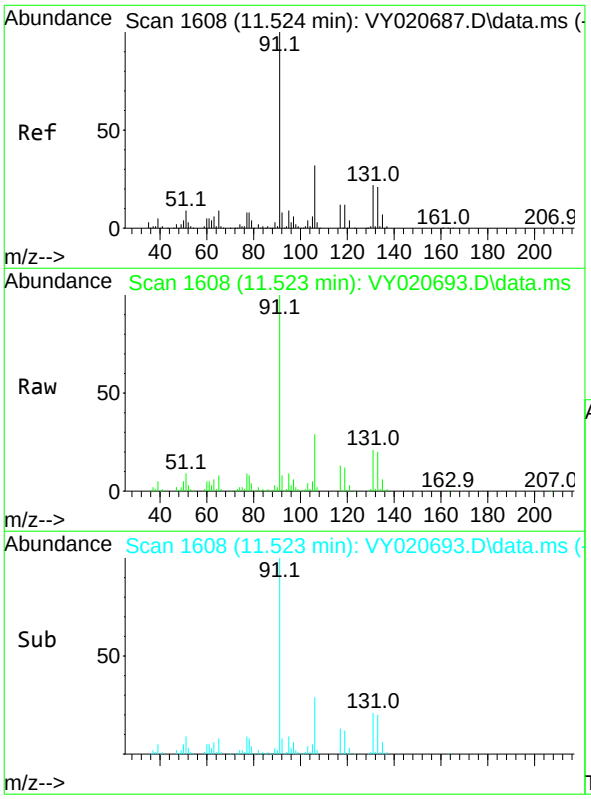
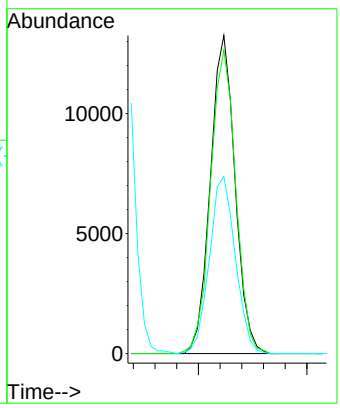


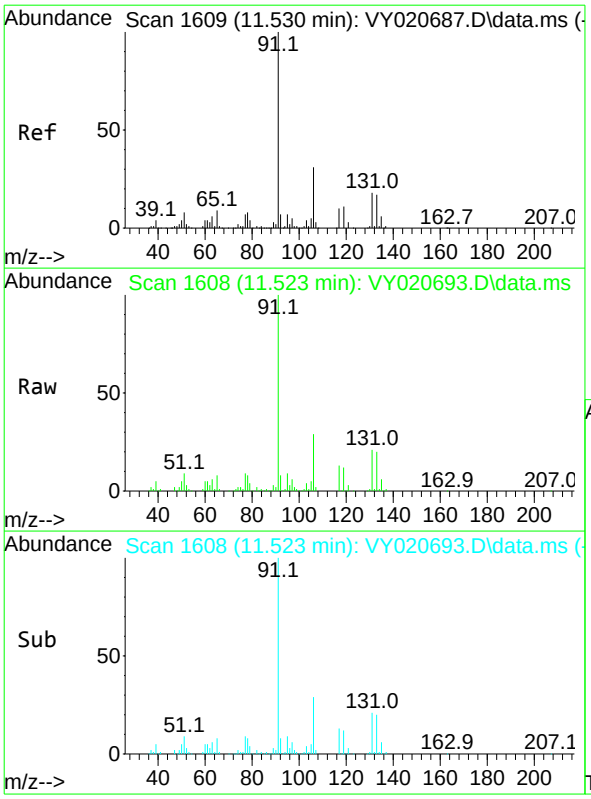


#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:131 Resp: 20919

Ion	Ratio	Lower	Upper
131	100		
133	97.3	46.8	140.3
119	58.5	31.8	95.3

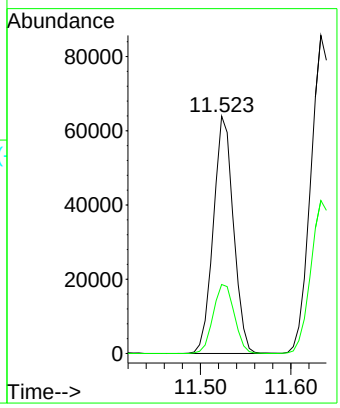




#67
Ethyl Benzene
Concen: 21.932 ug/l
RT: 11.523 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 98855

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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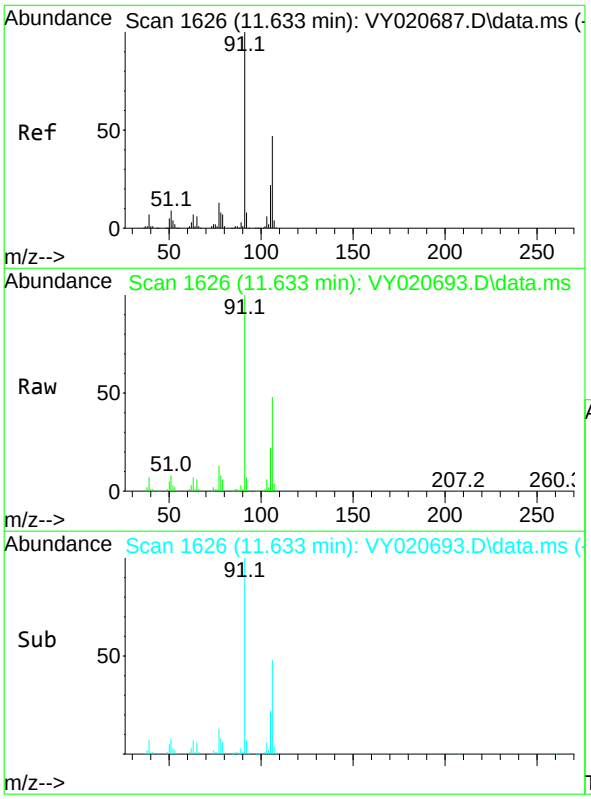
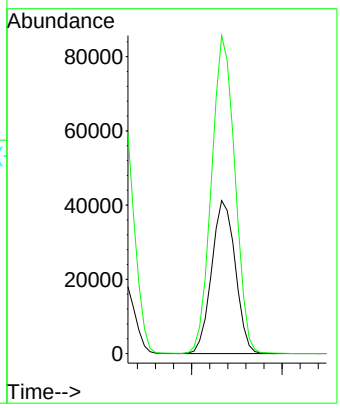
Supervised By :Mahesh Dadoda 12/26/2024

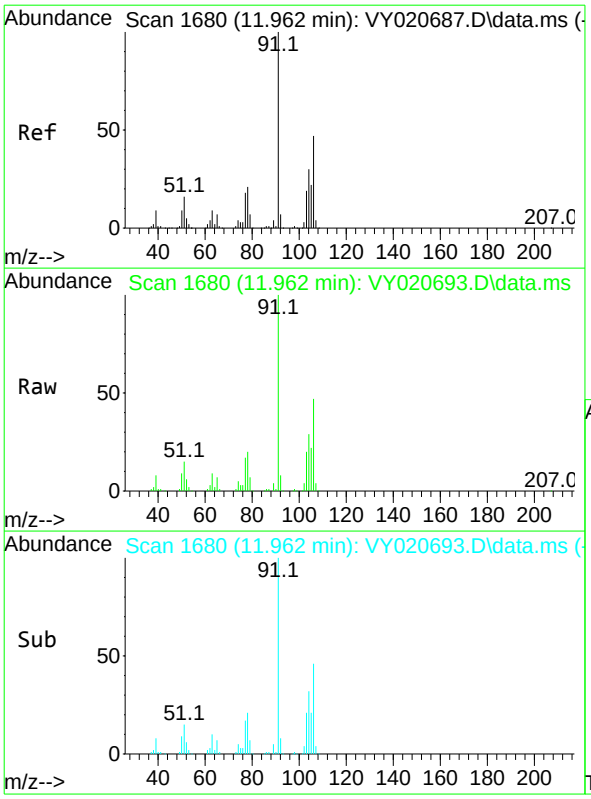


#68
m/p-Xylenes
Concen: 43.642 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:106 Resp: 75012

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.0	247.4





#69
o-Xylene
Concen: 21.930 ug/l
RT: 11.962 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:106 Resp: 35407

Ion	Ratio	Lower	Upper
106	100		
91	221.7	108.4	325.2

Instrument :
MSVOA_Y
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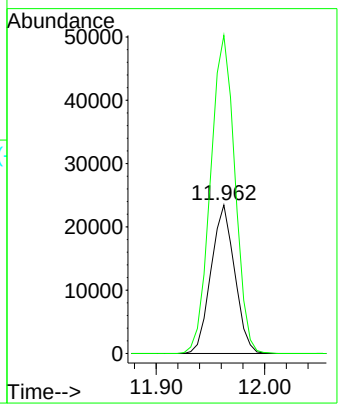
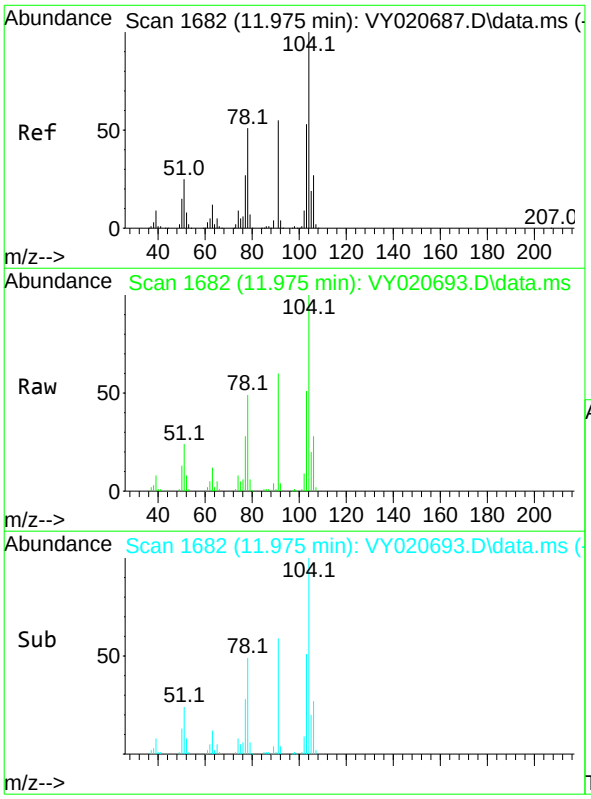
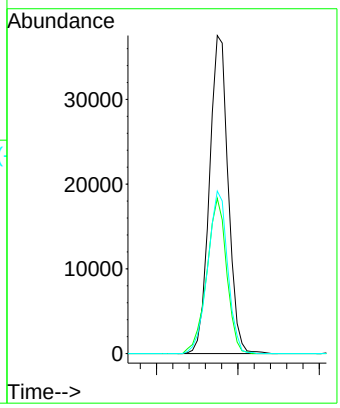


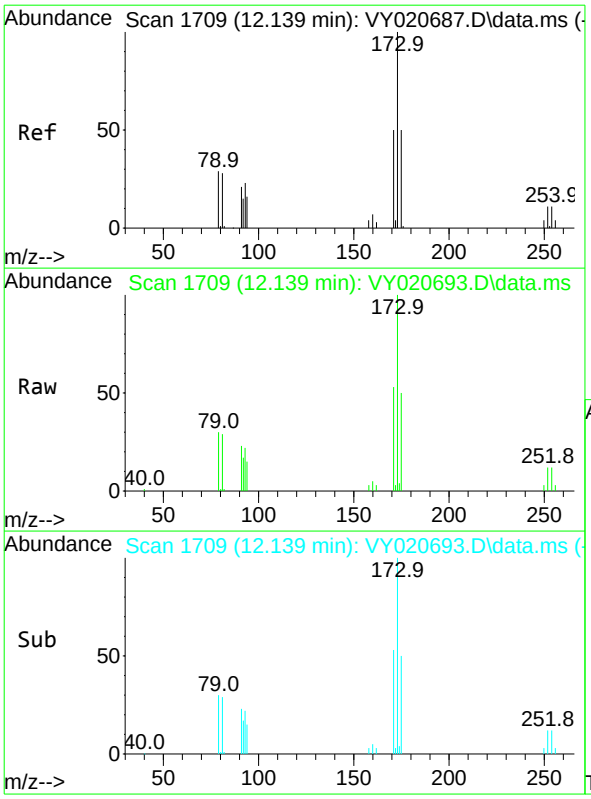


#70
Styrene
Concen: 22.103 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:104 Resp: 60026

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	54.5	43.7	65.5

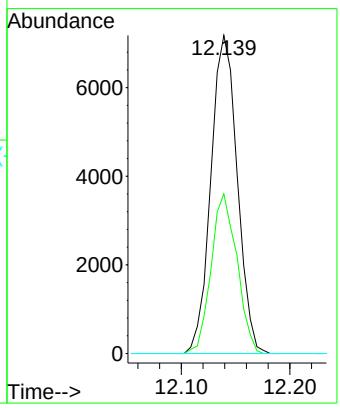




#71
Bromoform
Concen: 21.586 ug/l
RT: 12.139 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:173 Resp: 12130

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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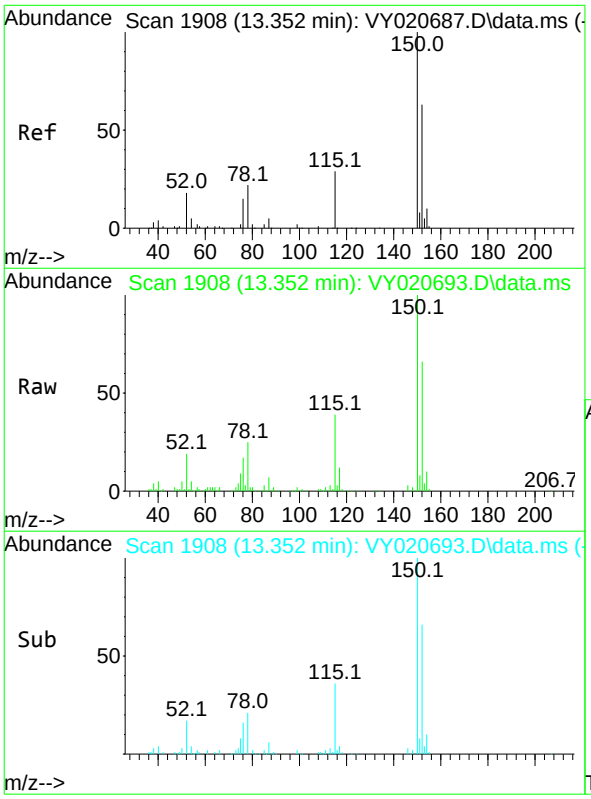
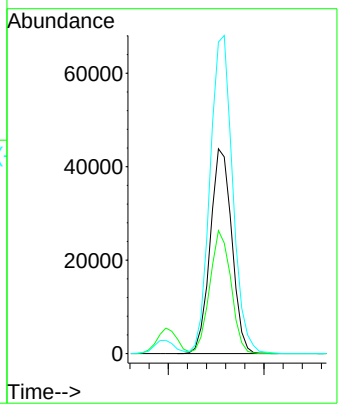
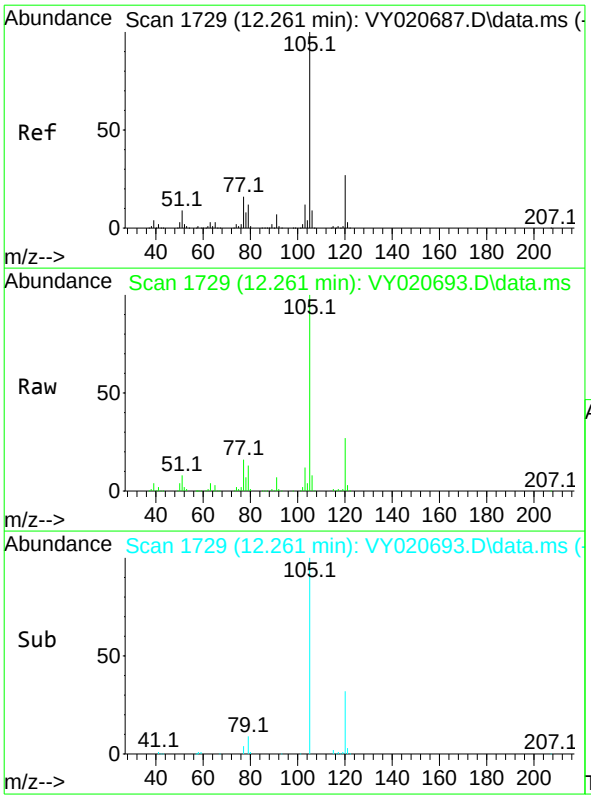


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:152 Resp: 68792

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.2	90.6
150	162.3	0.0	355.4





#73
Isopropylbenzene
Concen: 21.408 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:105 Resp: 100172

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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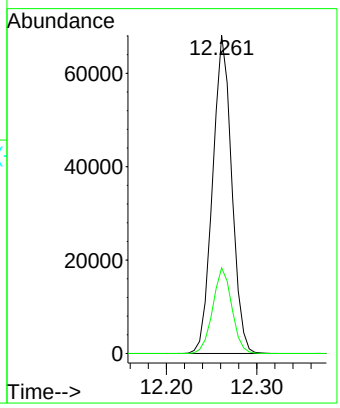
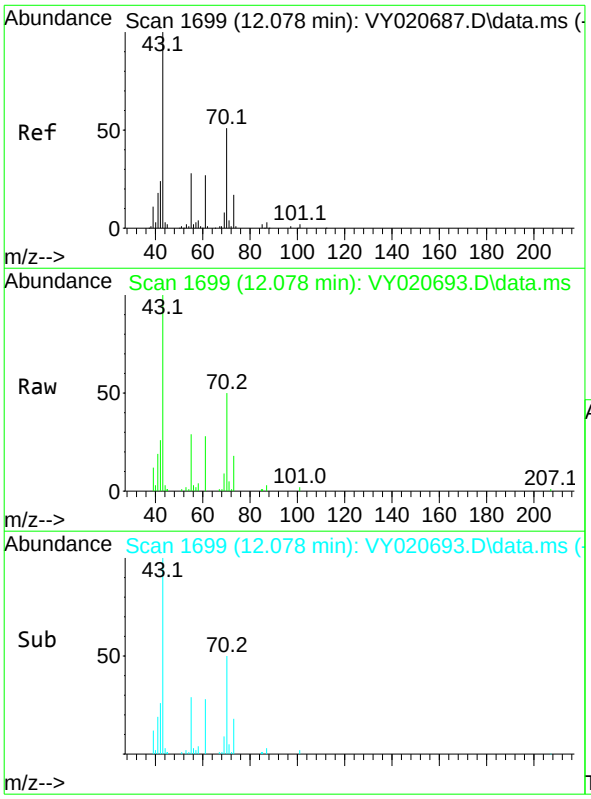
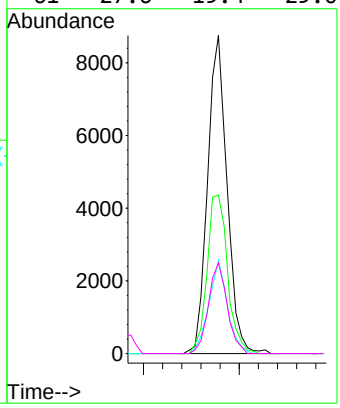


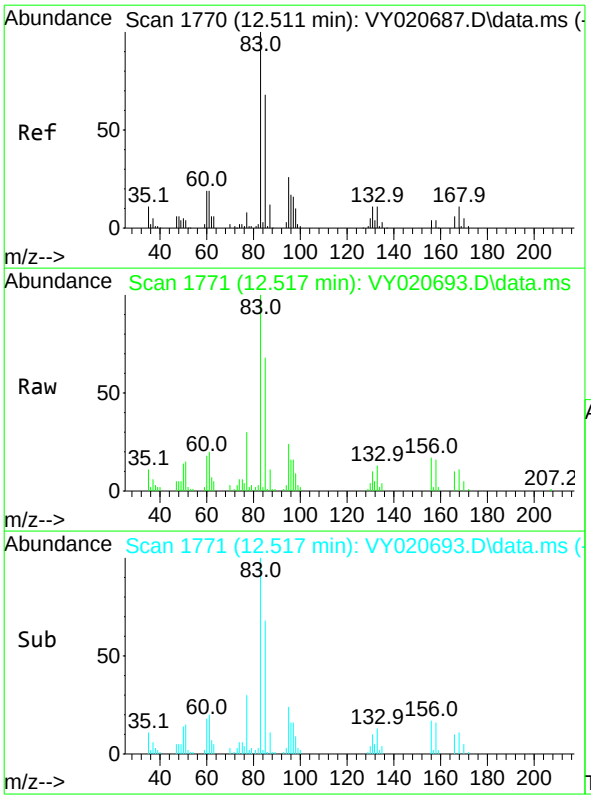


#74
N-amyl acetate
Concen: 18.771 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 12342

Ion	Ratio	Lower	Upper
43	100		
70	52.6	34.2	51.2#
55	28.2	19.6	29.4
61	27.6	19.4	29.0

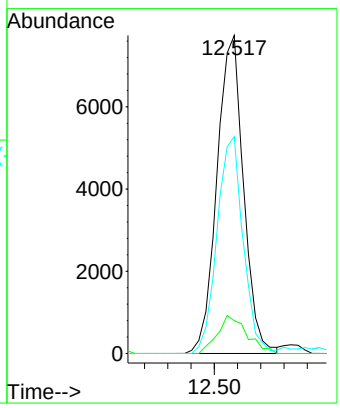




#75
1,1,2,2-Tetrachloroethane
Concen: 20.425 ug/l
RT: 12.517 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 83 Resp: 12299

Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.2	15.6
85	66.8	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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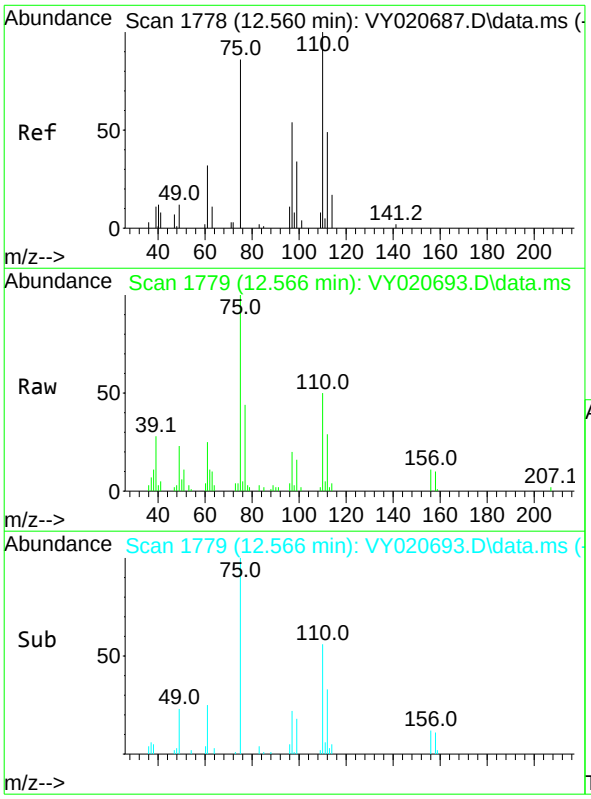
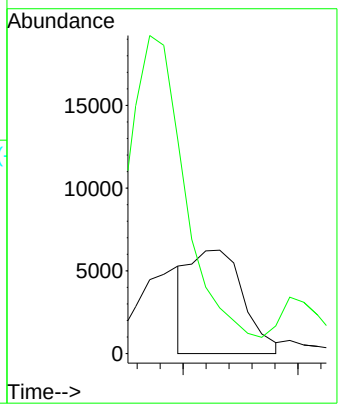
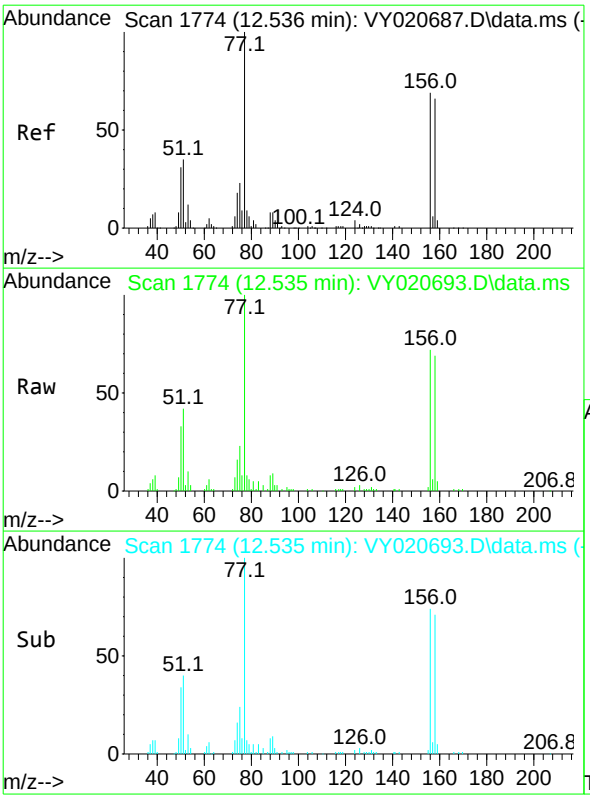


#76
1,2,3-Trichloropropane
Concen: 21.357 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 10132

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

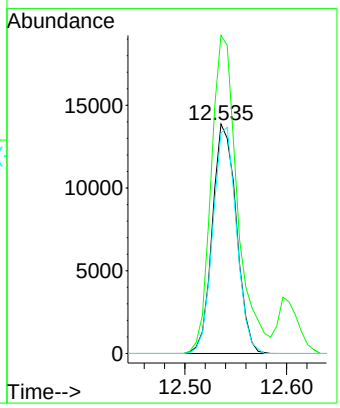




#77
Bromobenzene
Concen: 21.268 ug/l
RT: 12.535 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:156 Resp: 22661

Ion	Ratio	Lower	Upper
156	100		
77	152.7	94.2	282.4
158	97.2	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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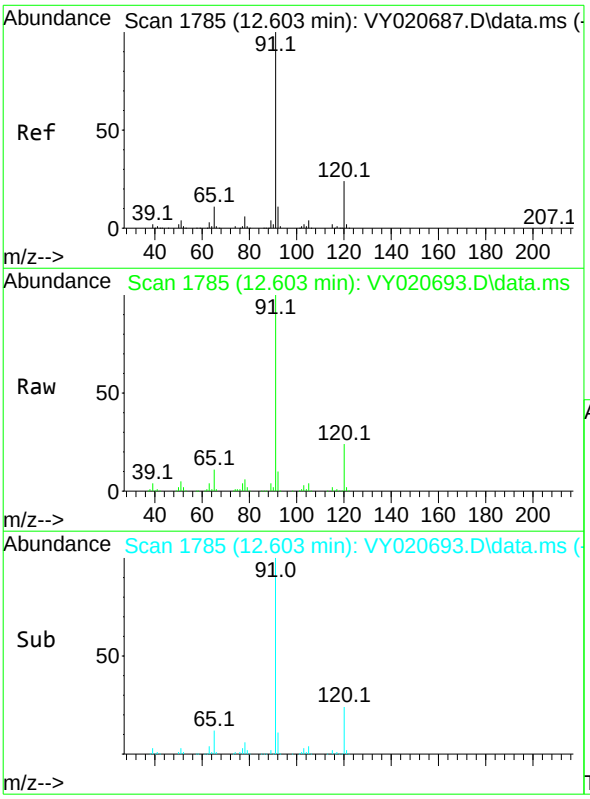
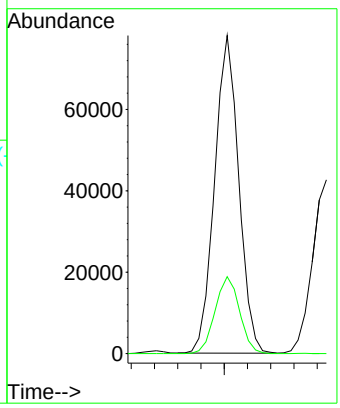
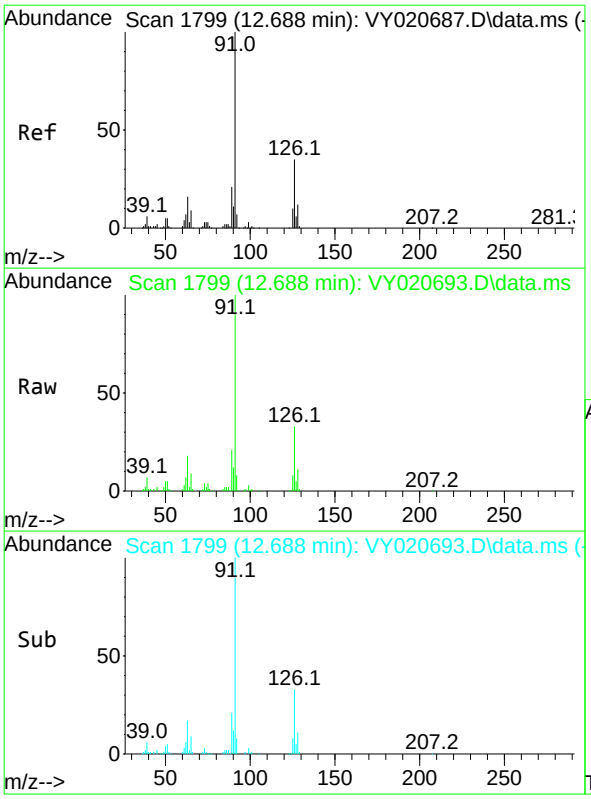


#78
n-propylbenzene
Concen: 21.346 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 112609

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1





#79
2-Chlorotoluene
Concen: 21.492 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 64543

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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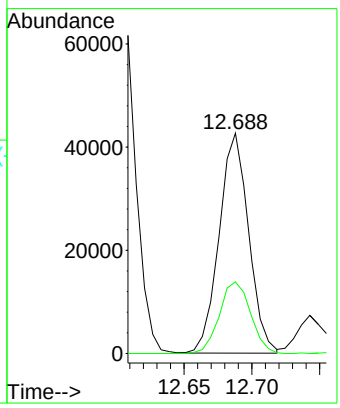
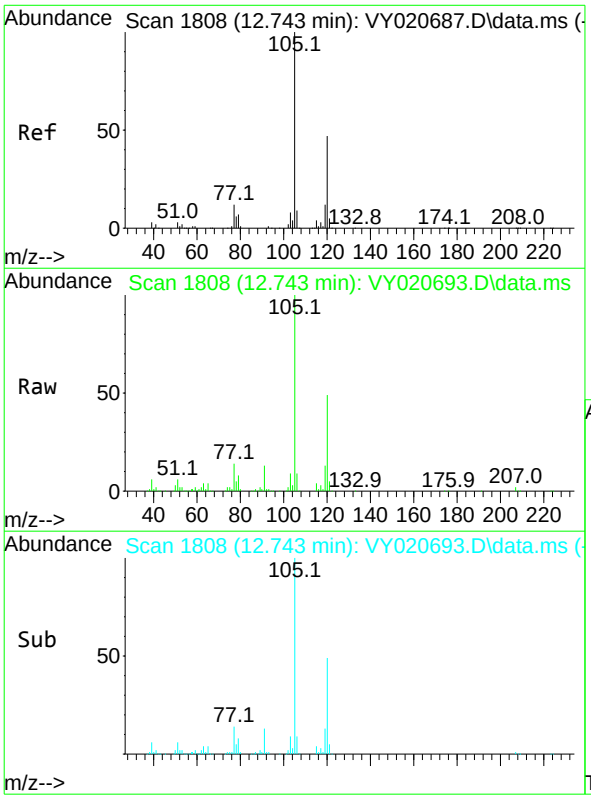
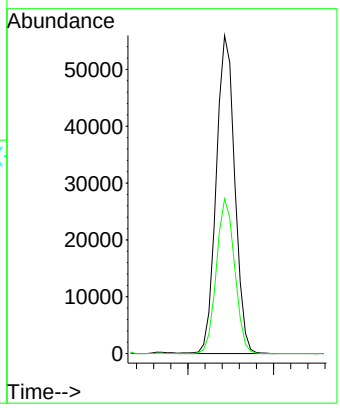


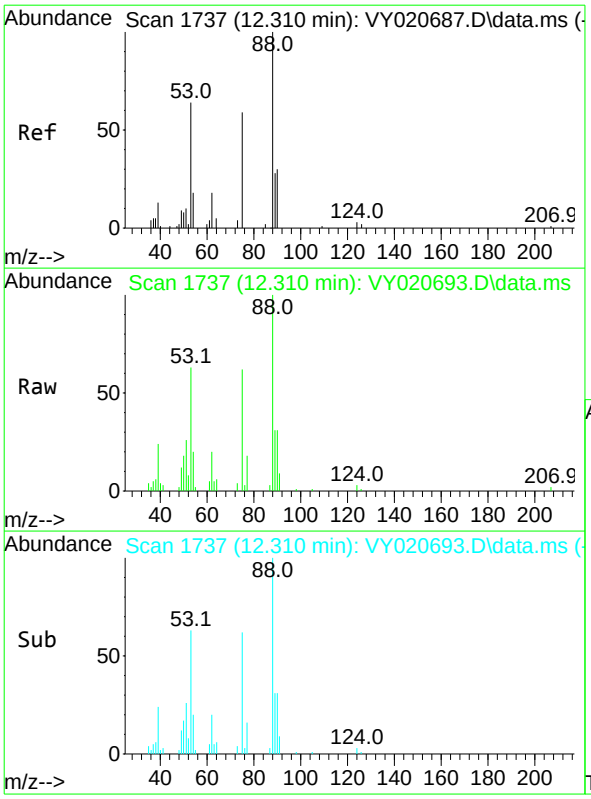


#80
1,3,5-Trimethylbenzene
Concen: 21.685 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:105 Resp: 84160

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.781 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 4317

Ion	Ratio	Lower	Upper
75	100		
53	99.1	75.4	113.2
89	49.6	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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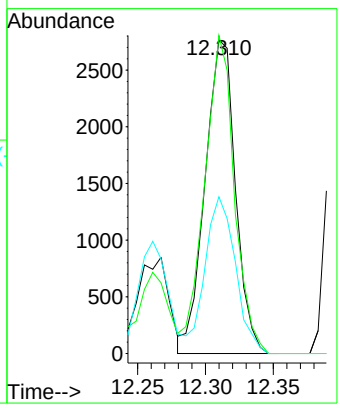
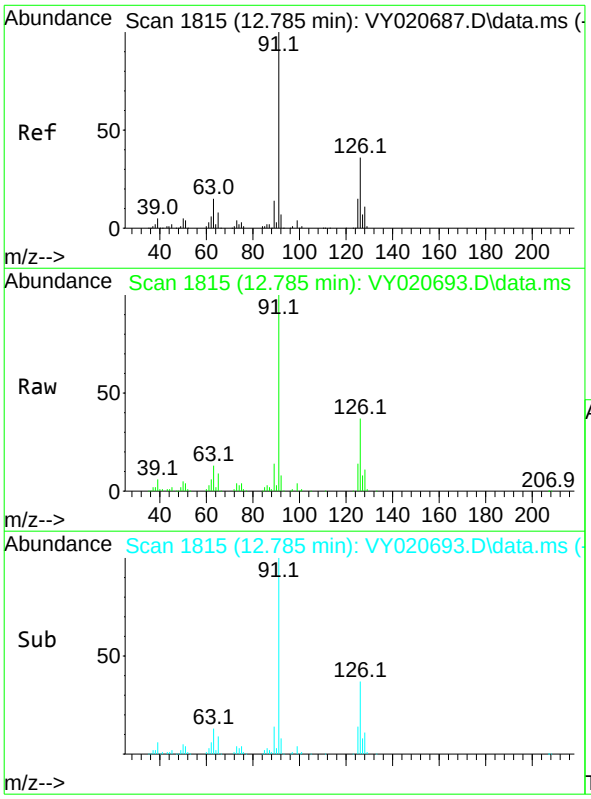
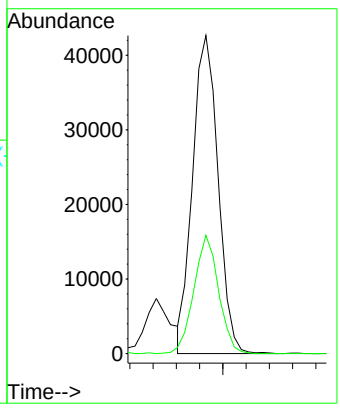


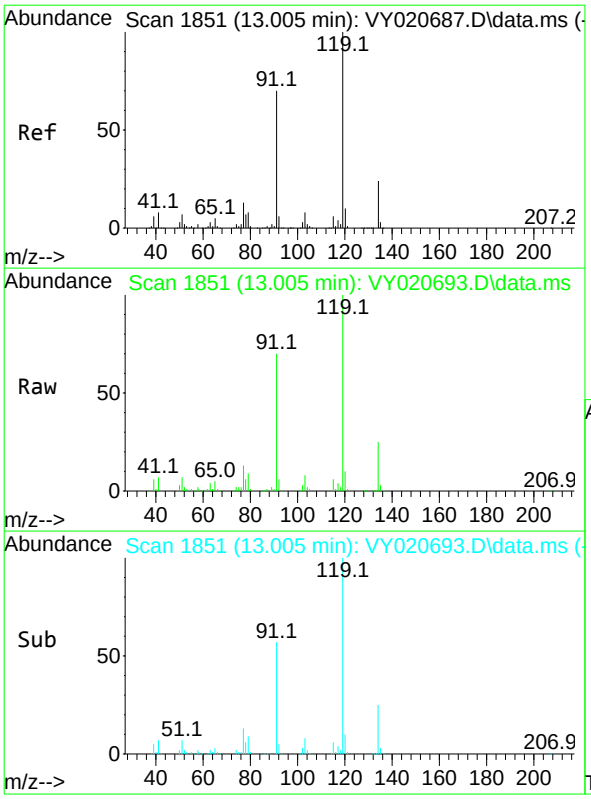


#82
4-Chlorotoluene
Concen: 21.153 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 64790

Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.6	49.7





#83
tert-Butylbenzene
Concen: 21.428 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:119 Resp: 77381

Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.9	98.6
134	26.8	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

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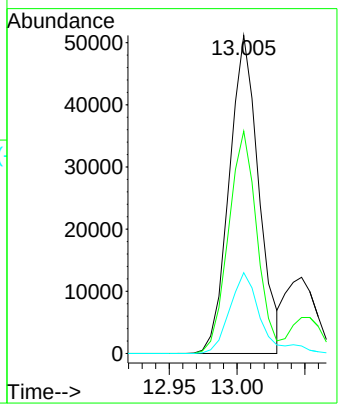
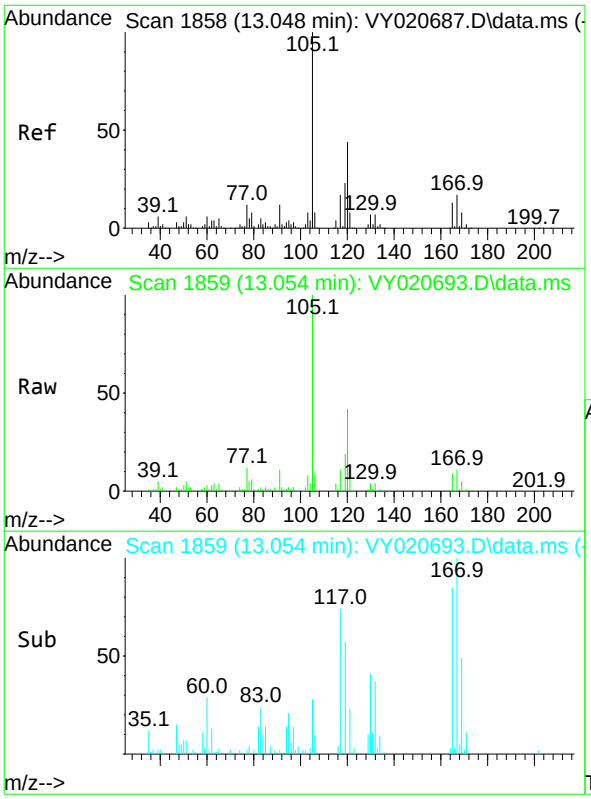
Supervised By :Mahesh Dadoda 12/26/2024

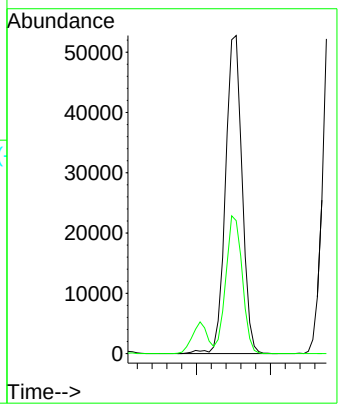


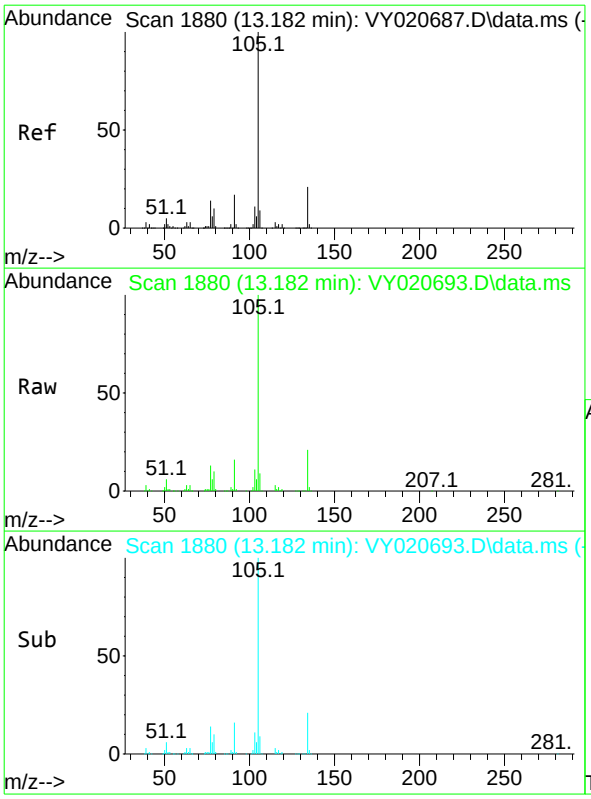


#84
1,2,4-Trimethylbenzene
Concen: 21.631 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:105 Resp: 82010

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.8	65.4





#85
sec-Butylbenzene
Concen: 21.767 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

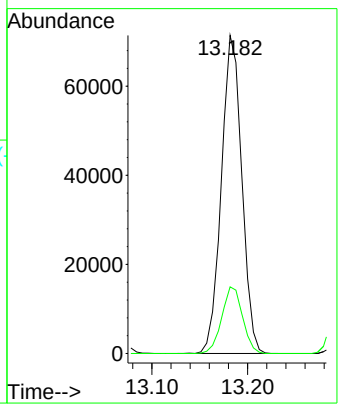
Tgt Ion:105 Resp: 105840

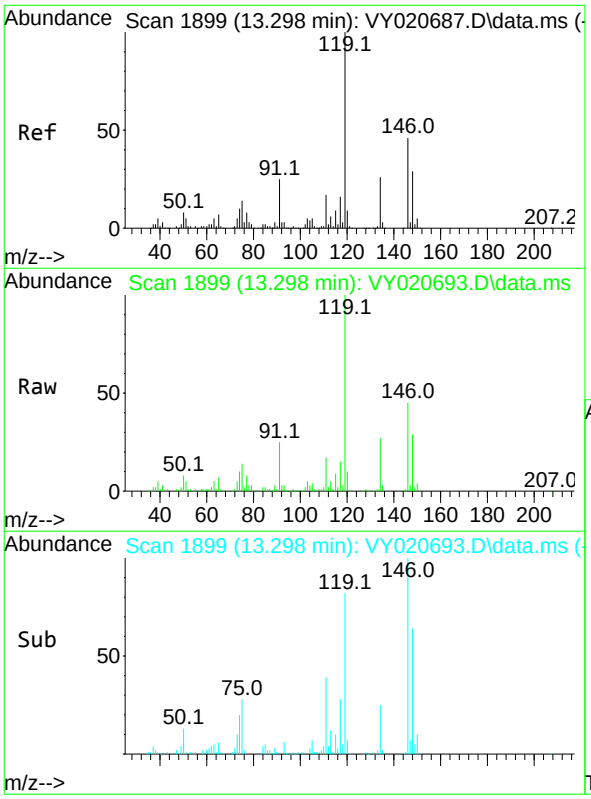
Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

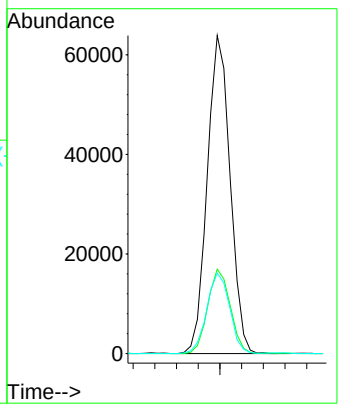


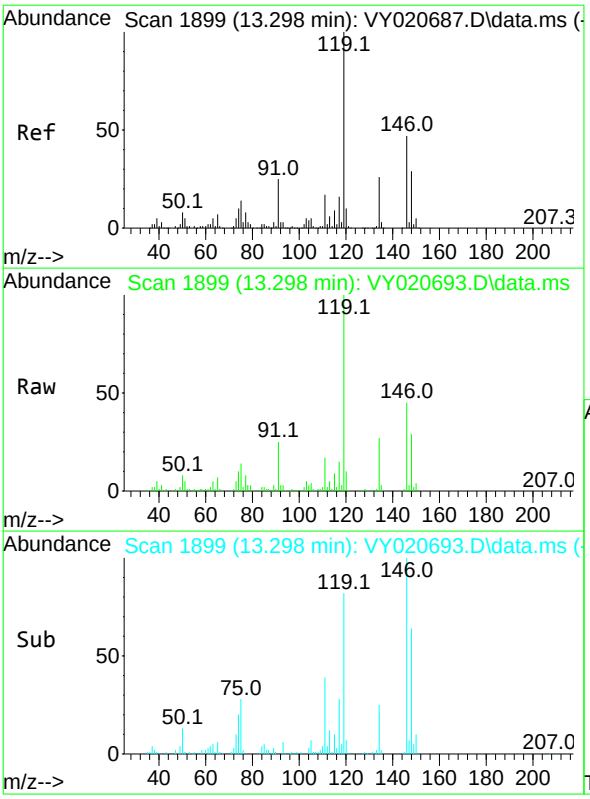


#86
p-Isopropyltoluene
Concen: 21.976 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:119 Resp: 93419

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	25.4	12.1	36.3

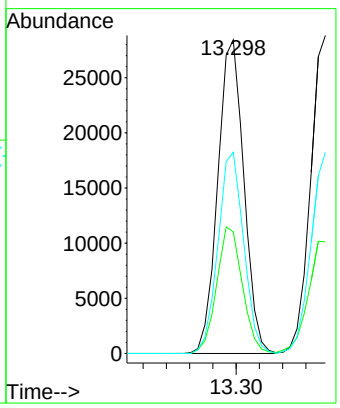




#87
1,3-Dichlorobenzene
Concen: 21.414 ug/l
RT: 13.298 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:146 Resp: 44326

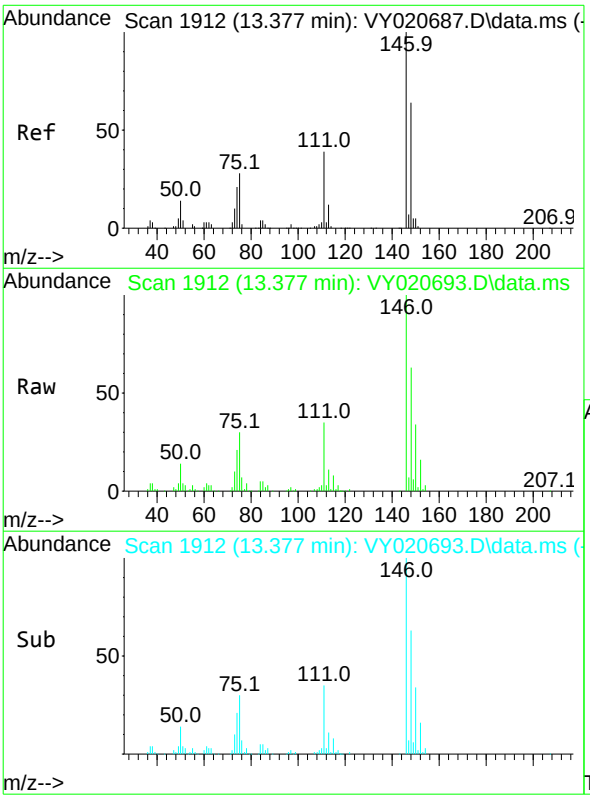
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

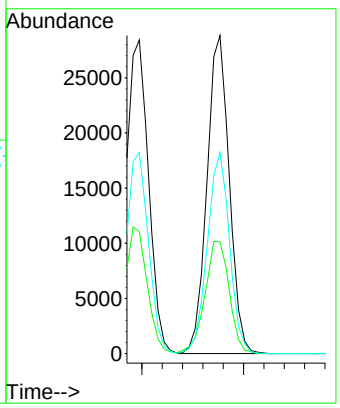
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

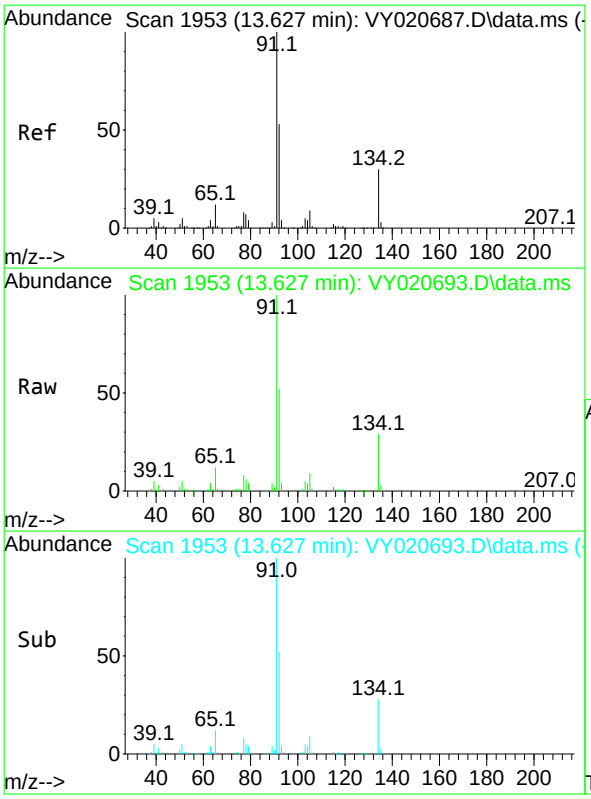


#88
1,4-Dichlorobenzene
Concen: 21.635 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:146 Resp: 43876

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.1	31.9	95.5

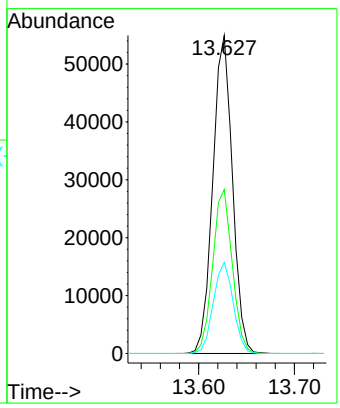




#89
n-Butylbenzene
Concen: 21.859 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 78283

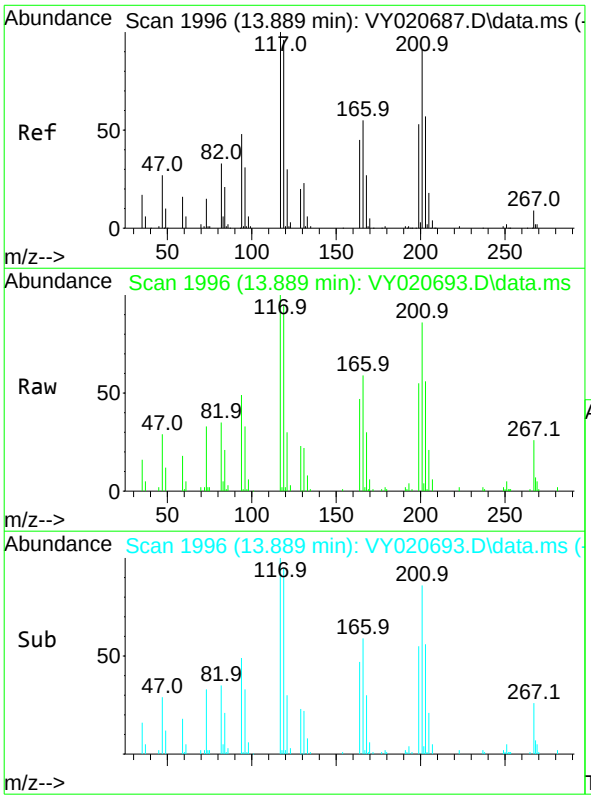
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.8	80.4
134	28.9	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

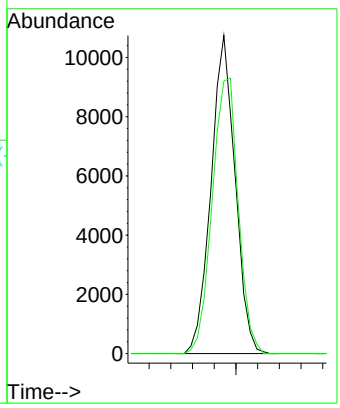
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

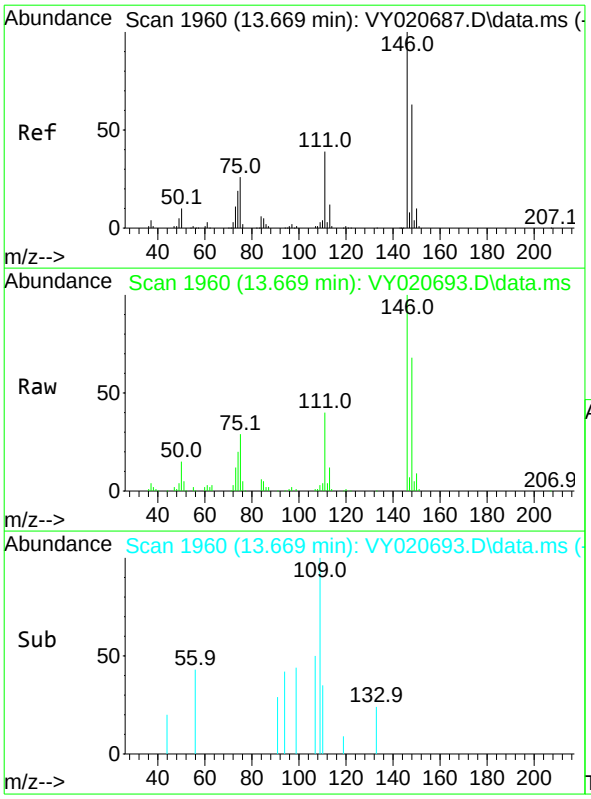


#90
Hexachloroethane
Concen: 20.547 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:117 Resp: 16570

Ion	Ratio	Lower	Upper
117	100		
201	93.4	39.1	117.3

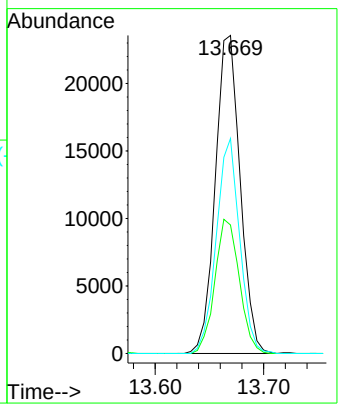




#91
1,2-Dichlorobenzene
Concen: 21.121 ug/l
RT: 13.669 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:146 Resp: 37520

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
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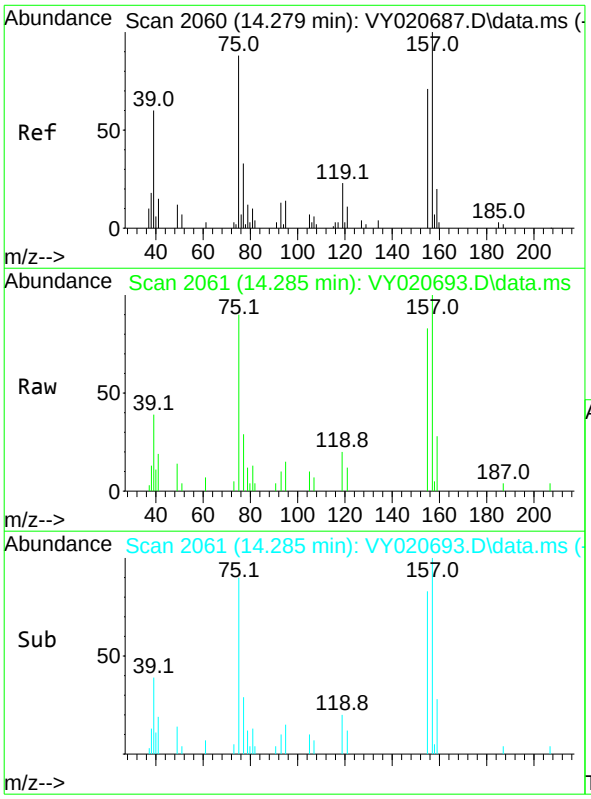
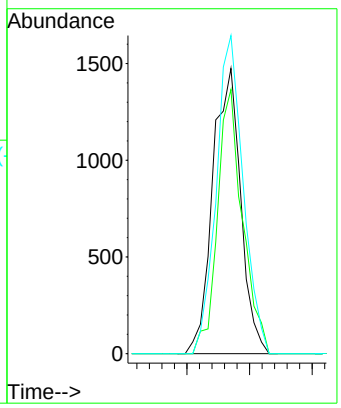
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

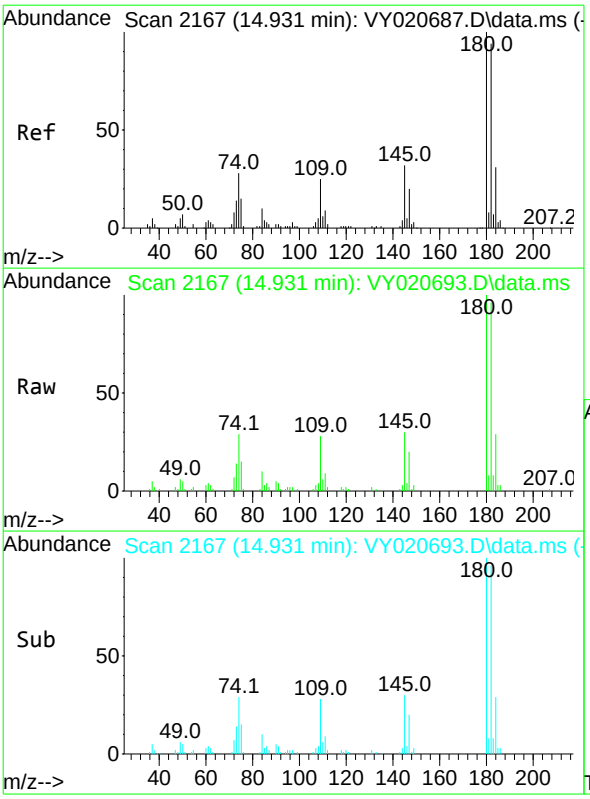


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.915 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 2285

Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.1	123.3
157	107.7	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 20.729 ug/l
RT: 14.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

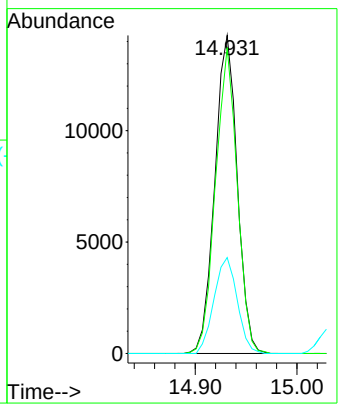
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

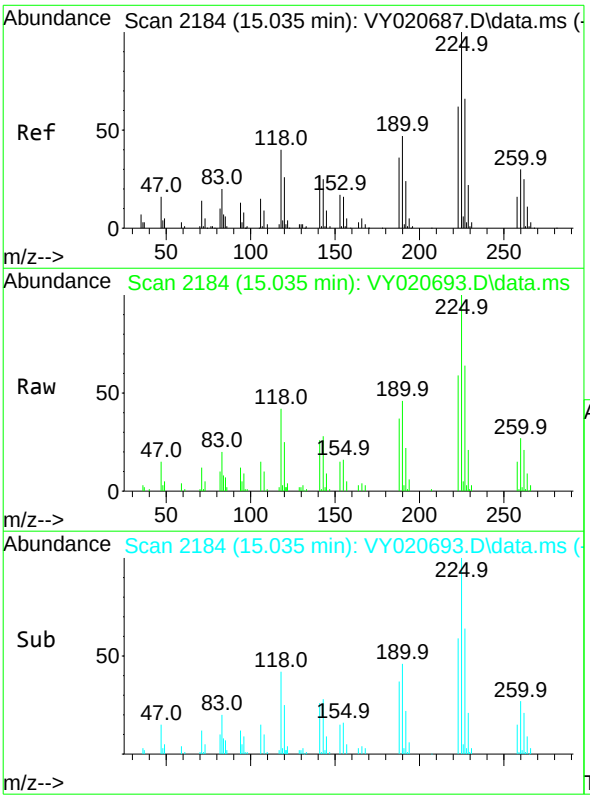
Tgt Ion:180 Resp: 21862

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.9	143.6
145	31.2	15.6	46.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

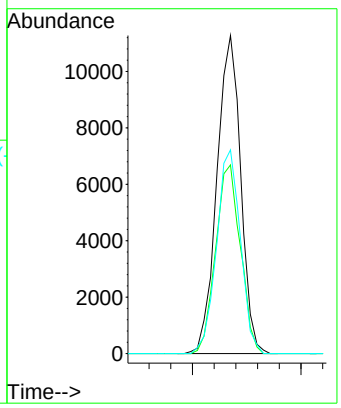


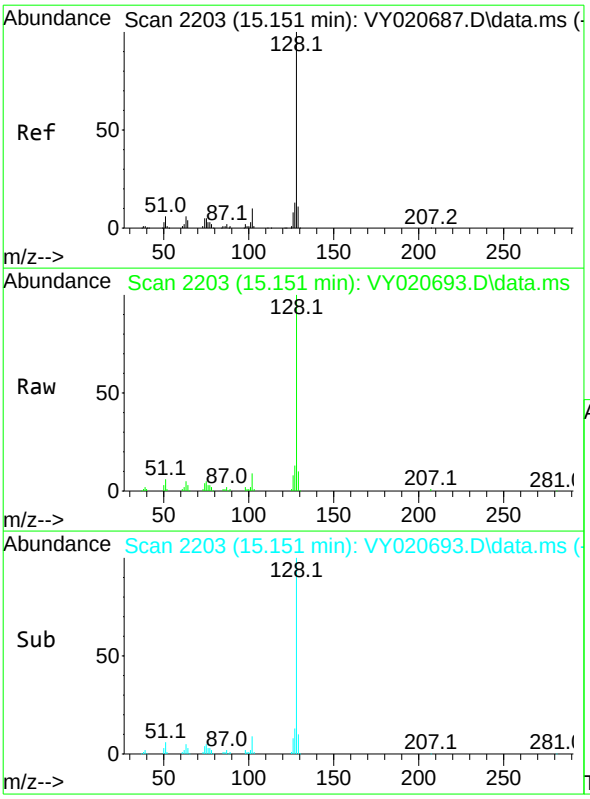


#94
Hexachlorobutadiene
Concen: 21.873 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:225 Resp: 17176

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.8	95.3
227	63.9	32.2	96.6

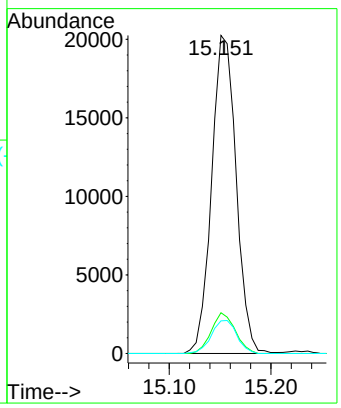




#95
Naphthalene
Concen: 19.644 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:128 Resp: 33900

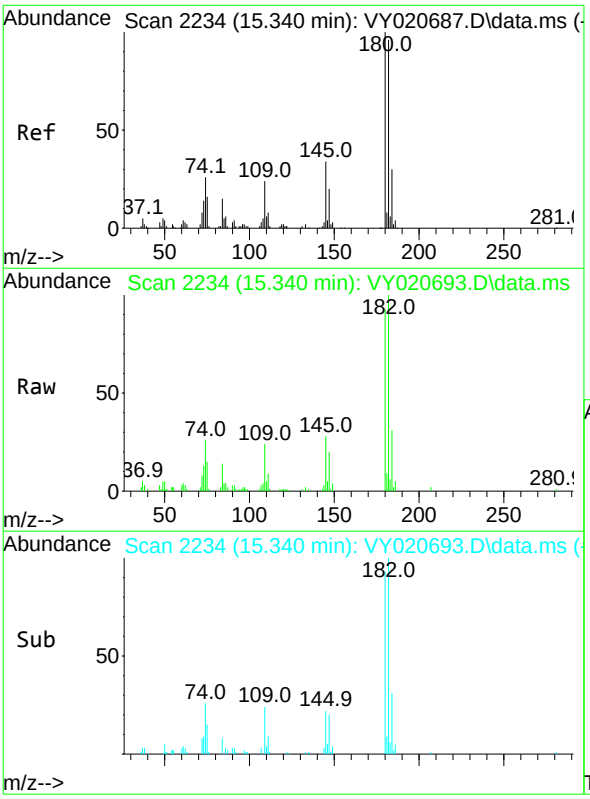
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	10.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Manual Integrations
APPROVED

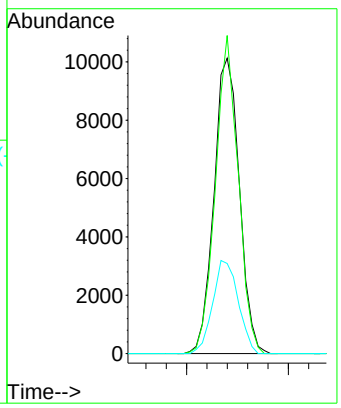
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.997 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:180 Resp: 17632

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	31.6	16.0	48.0



Raw Data: **VY020703.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBSD01	SDG No.:	P5306
Lab Sample ID:	VY1223SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020703.D	1		12/23/24 19:47	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.020		0.0017	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0012	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00077	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0010	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.018		0.0010	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.11		0.0052	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.00091	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00078	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.11		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.10		0.0062	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0013	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.022		0.00067	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.022		0.0034	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.00084	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00063	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0057	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00087	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0016	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.022		0.00061	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00067	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00078	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00073	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00072	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.022		0.00061	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00066	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.022		0.00062	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00056	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.10		0.0044	0.013	0.025	mg/Kg

Raw Data: **VY020703.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBSD01	SDG No.:	P5306
Lab Sample ID:	VY1223SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020703.D	1		12/23/24 19:47	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00067	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00060	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00057	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00084	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00059	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.10		0.0048	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00065	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.00089	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00074	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00064	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00062	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.042		0.0014	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.063		0.0021	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.022		0.00070	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00060	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00081	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.00065	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.00059	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.0014	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.021		0.00058	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00074	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.00080	0.0025	0.0050	mg/Kg

Raw Data: **VY020703.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY1223SBSD01	SDG No.:	P5306
Lab Sample ID:	VY1223SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020703.D	1		12/23/24 19:47	VY122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.020		0.00063	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00059	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0016	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00079	0.0025	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.00081	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.00080	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.8		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	55.9		85 - 116		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	105000	7.72				
540-36-3	1,4-Difluorobenzene	154000	8.622				
3114-55-4	Chlorobenzene-d5	132000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	69300	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\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	104834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	154339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	131930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52754	56.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.640%			
35) Dibromofluoromethane	7.646	113	48159	53.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.280%			
50) Toluene-d8	10.109	98	184098	55.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.860%			
62) 4-Bromofluorobenzene	12.414	95	63417	52.934	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	16152	19.999	ug/l	99
3) Chloromethane	2.074	50	6233	18.943	ug/l	100
4) Vinyl Chloride	2.214	62	7104	17.709	ug/l	93
5) Bromomethane	2.605	94	5714	20.171	ug/l	95
6) Chloroethane	2.745	64	4299	17.632	ug/l	96
7) Trichlorofluoromethane	3.068	101	28952	20.069	ug/l	100
8) Diethyl Ether	3.464	74	7345	21.271	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	15648	19.863	ug/l	98
10) Methyl Iodide	4.013	142	17395	19.168	ug/l	100
11) Tert butyl alcohol	4.879	59	6977	93.870	ug/l #	93
12) 1,1-Dichloroethene	3.799	96	14011	20.040	ug/l	98
13) Acrolein	3.671	56	2497	141.348	ug/l	97
14) Allyl chloride	4.397	41	16858	20.562	ug/l	100
15) Acrylonitrile	5.074	53	13947	109.579	ug/l	98
16) Acetone	3.873	43	10717	101.056	ug/l	98
17) Carbon Disulfide	4.116	76	33010	18.937	ug/l #	93
18) Methyl Acetate	4.409	43	6183	22.535	ug/l	99
19) Methyl tert-butyl Ether	5.135	73	42423	22.307	ug/l	98
20) Methylene Chloride	4.635	84	15288	21.633	ug/l	86
21) trans-1,2-Dichloroethene	5.128	96	15798	20.956	ug/l	92
22) Diisopropyl ether	6.025	45	37677	22.479	ug/l #	96
23) Vinyl Acetate	5.970	43	107461	108.272	ug/l	99
24) 1,1-Dichloroethane	5.933	63	27342	21.882	ug/l #	95
25) 2-Butanone	6.903	43	15672	105.199	ug/l	91
26) 2,2-Dichloropropane	6.896	77	31303	20.024	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	19772	22.020	ug/l	98
28) Bromochloromethane	7.256	49	6466	19.677	ug/l	99
29) Tetrahydrofuran	7.274	42	9534	108.884	ug/l	98
30) Chloroform	7.427	83	34856	21.222	ug/l	97
31) Cyclohexane	7.713	56	21545	19.666	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	36239	21.120	ug/l	97
36) 1,1-Dichloropropene	7.841	75	22098	20.061	ug/l	97
37) Ethyl Acetate	6.994	43	7719	20.609	ug/l	97
38) Carbon Tetrachloride	7.829	117	35214	19.755	ug/l	95
39) Methylcyclohexane	9.116	83	27500	19.641	ug/l	99
40) Benzene	8.085	78	65063	20.474	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	4454	21.838	ug/l		94
42) 1,2-Dichloroethane	8.165	62	21724	21.495	ug/l		99
43) Isopropyl Acetate	8.207	43	15842	21.172	ug/l	#	83
44) Trichloroethene	8.872	130	18586	19.707	ug/l		99
45) 1,2-Dichloropropane	9.146	63	13056	20.911	ug/l		98
46) Dibromomethane	9.238	93	9334	21.655	ug/l		97
47) Bromodichloromethane	9.427	83	26059	21.312	ug/l		94
48) Methyl methacrylate	9.225	41	7217	20.347	ug/l		96
49) 1,4-Dioxane	9.238	88	1762	435.830	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.006	43	38706	103.556	ug/l		98
52) Toluene	10.176	92	44815	20.709	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	23137	21.385	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	25177	21.119	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	11682	20.931	ug/l	#	90
56) Ethyl methacrylate	10.445	69	15165	21.301	ug/l		97
57) 1,3-Dichloropropane	10.725	76	19061	20.893	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.719	63	27253	102.437	ug/l		98
59) 2-Hexanone	10.768	43	24776	104.066	ug/l		99
60) Dibromochloromethane	10.914	129	19154	21.495	ug/l		96
61) 1,2-Dibromoethane	11.018	107	11054	21.127	ug/l		100
64) Tetrachloroethene	10.652	164	17595	20.081	ug/l		94
65) Chlorobenzene	11.451	112	52606	21.338	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	20004	20.778	ug/l		97
67) Ethyl Benzene	11.524	91	91241	20.628	ug/l		95
68) m/p-Xylenes	11.633	106	69958	41.477	ug/l		100
69) o-Xylene	11.957	106	34079	21.509	ug/l		98
70) Styrene	11.975	104	56763	21.300	ug/l		99
71) Bromoform	12.139	173	11461	20.784	ug/l	#	98
73) Isopropylbenzene	12.261	105	93189	19.757	ug/l		100
74) N-amyl acetate	12.078	43	13493	20.358	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	12470	20.545	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	9949m	20.804	ug/l		
77) Bromobenzene	12.536	156	21199	19.737	ug/l		99
78) n-propylbenzene	12.603	91	103950	19.548	ug/l		99
79) 2-Chlorotoluene	12.688	91	60340	19.932	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	79726	20.379	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4098	18.628	ug/l		97
82) 4-Chlorotoluene	12.786	91	62684	20.303	ug/l		99
83) tert-Butylbenzene	13.005	119	74013	20.332	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	79650	20.842	ug/l		99
85) sec-Butylbenzene	13.182	105	98630	20.123	ug/l		99
86) p-Isopropyltoluene	13.298	119	88167	20.575	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	43865	21.023	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	42330	20.707	ug/l		98
89) n-Butylbenzene	13.621	91	72816	20.171	ug/l		99
90) Hexachloroethane	13.883	117	15902	19.561	ug/l		95
91) 1,2-Dichlorobenzene	13.664	146	37259	20.807	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2361	20.414	ug/l		94
93) 1,2,4-Trichlorobenzene	14.932	180	21965	20.661	ug/l		97
94) Hexachlorobutadiene	15.029	225	16383	20.697	ug/l		98
95) Naphthalene	15.151	128	34561	19.827	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	17939	20.184	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

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

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

Sample Results: **VY020703.D**

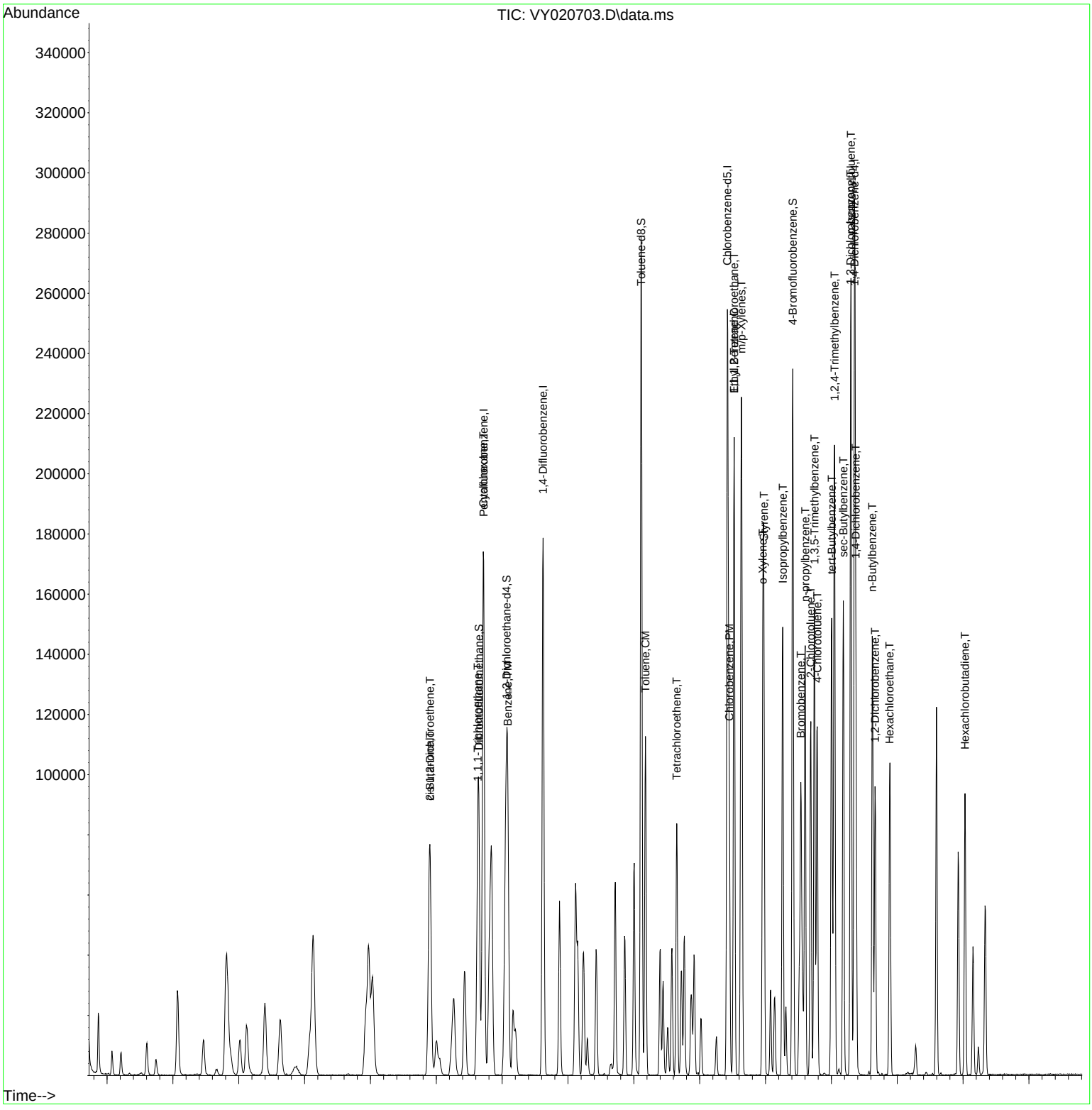
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

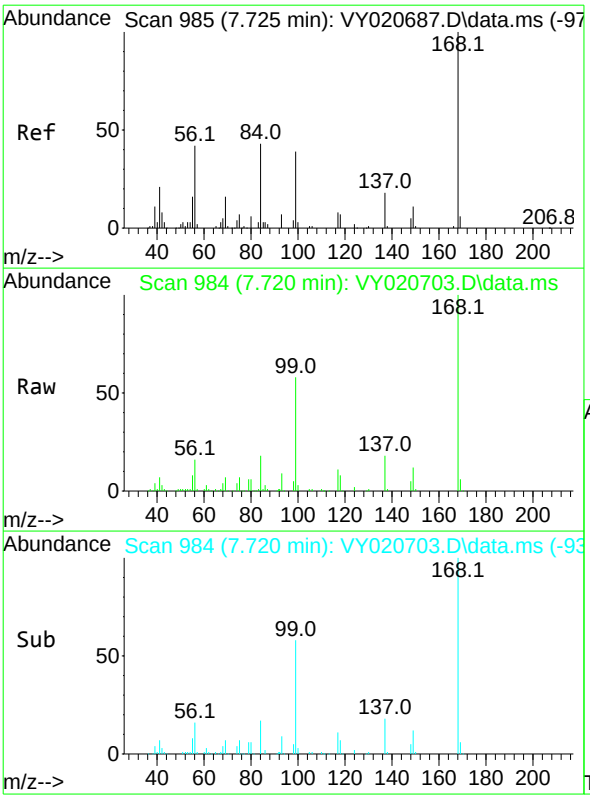
Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

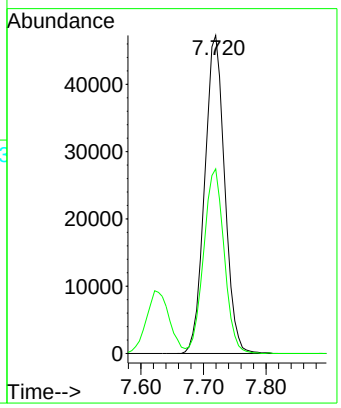




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:168 Resp: 104834

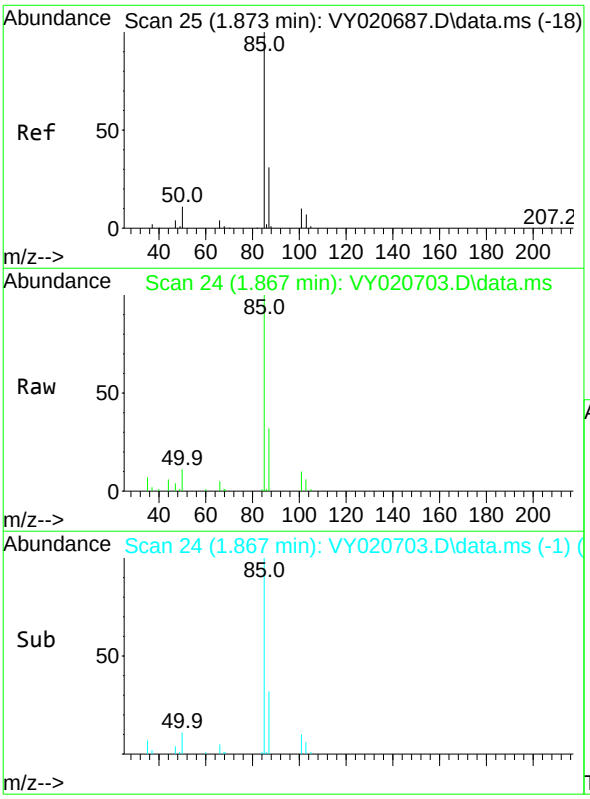
Ion	Ratio	Lower	Upper
168	100		
99	58.0	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations
APPROVED

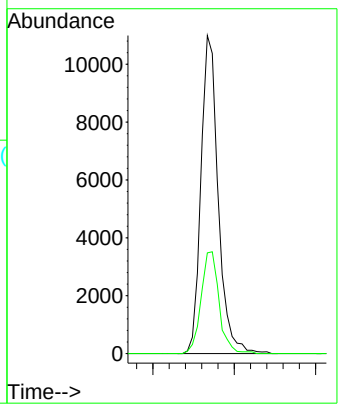
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

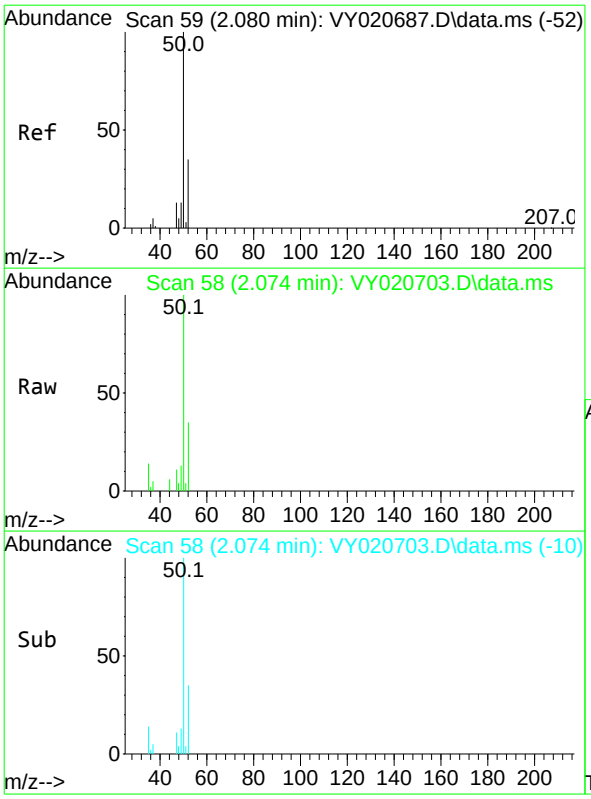


#2
Dichlorodifluoromethane
Concen: 19.999 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 85 Resp: 16152

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4

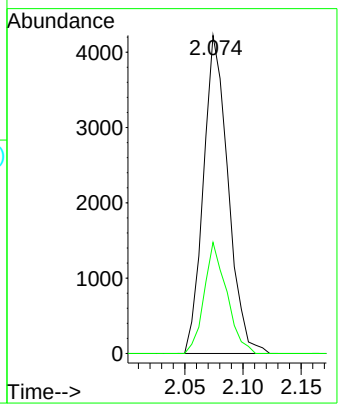




#3
Chloromethane
Concen: 18.943 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 50 Resp: 6233

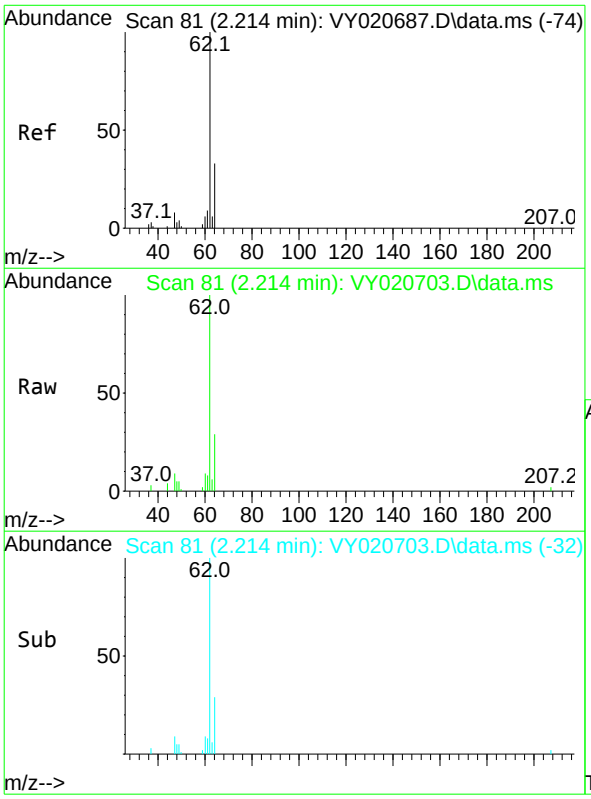
Ion	Ratio	Lower	Upper
50	100		
52	34.9	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations
APPROVED

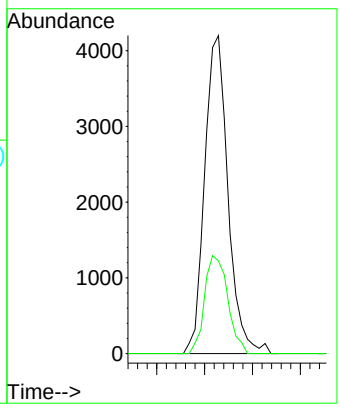
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

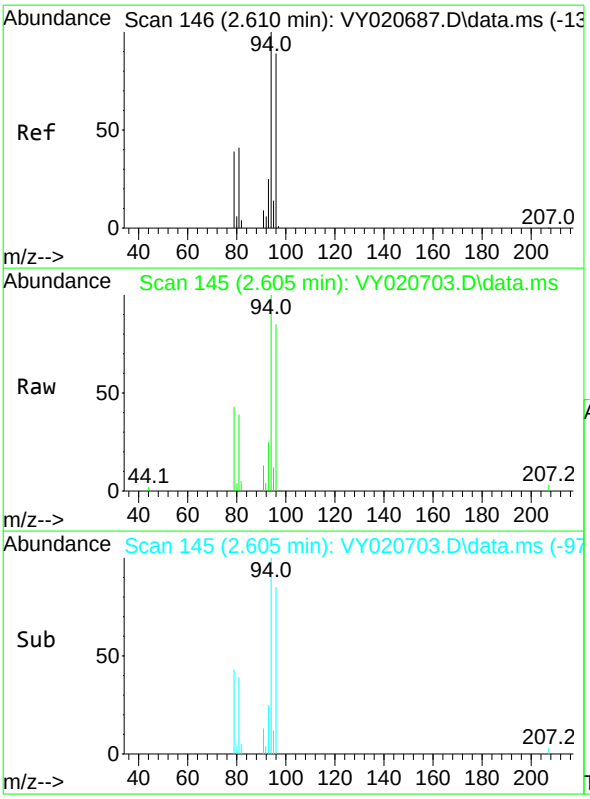


#4
Vinyl Chloride
Concen: 17.709 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 62 Resp: 7104

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.6	40.0

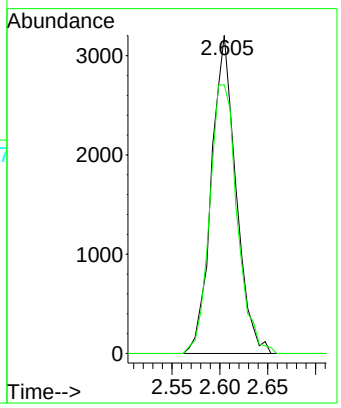




#5
Bromomethane
Concen: 20.171 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 94 Resp: 5714

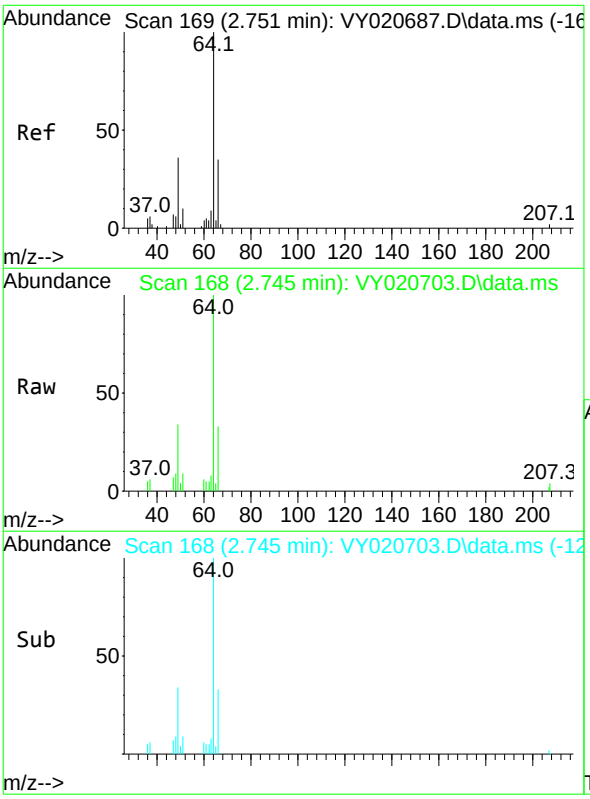
Ion	Ratio	Lower	Upper
94	100		
96	84.5	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations
APPROVED

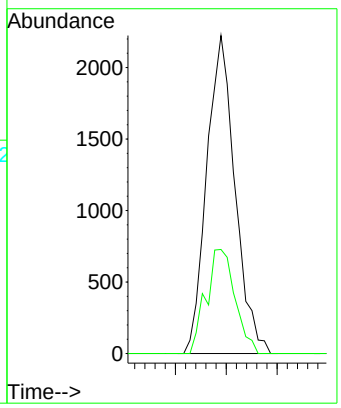
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

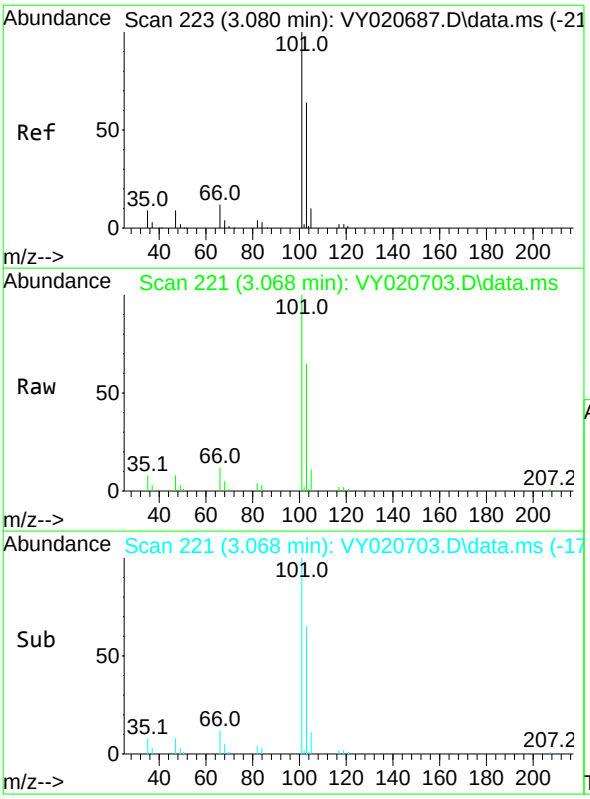


#6
Chloroethane
Concen: 17.632 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 64 Resp: 4299

Ion	Ratio	Lower	Upper
64	100		
66	32.7	27.8	41.8

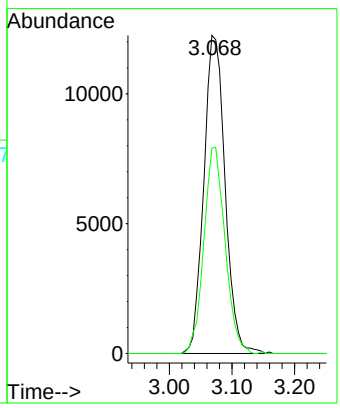




#7
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 3.068 min Scan# 22
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:101 Resp: 28952

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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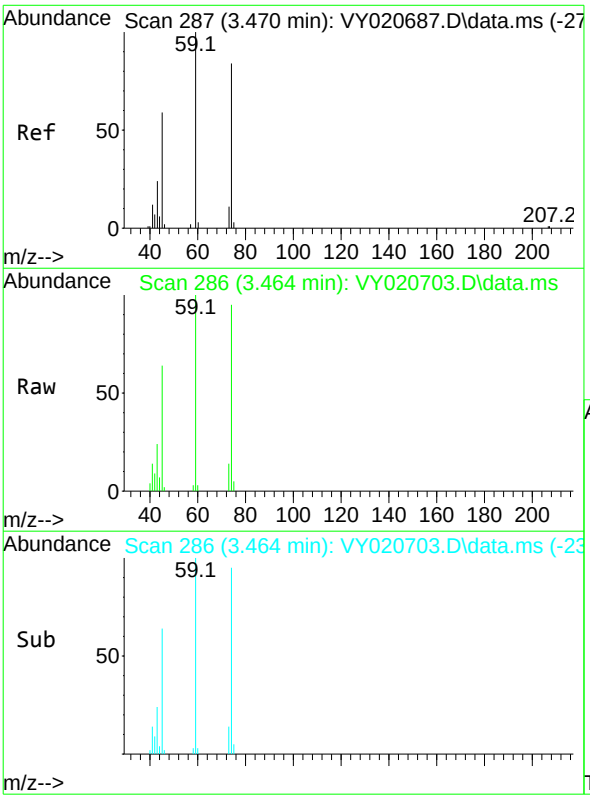
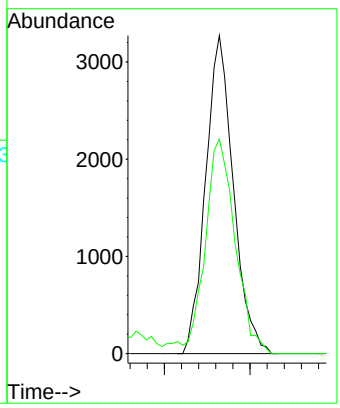
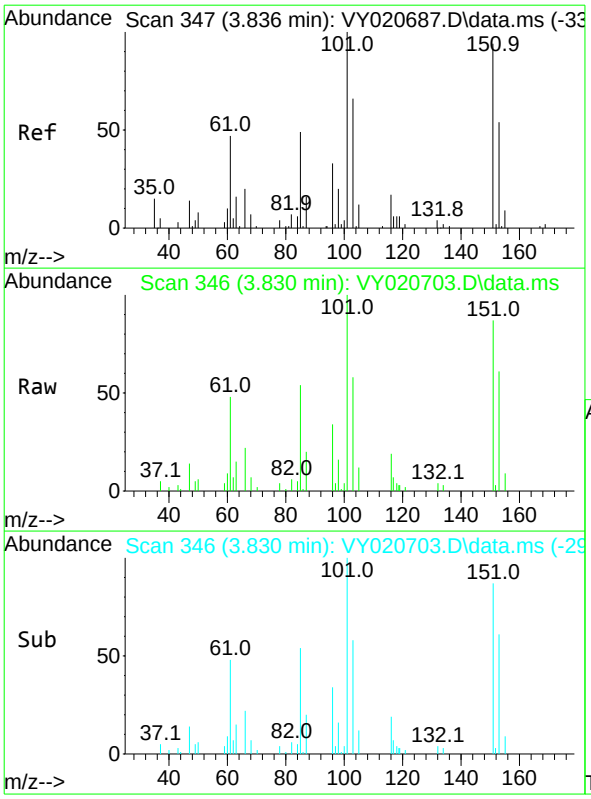


#8
Diethyl Ether
Concen: 21.271 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 74 Resp: 7345

Ion	Ratio	Lower	Upper
74	100		
45	74.4	35.8	107.4

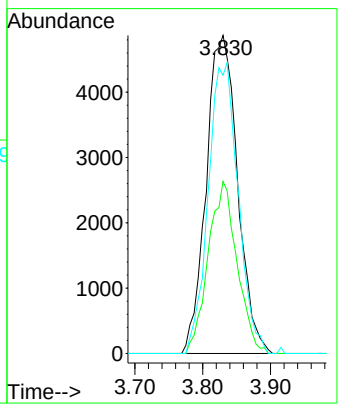




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.863 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:101 Resp: 15648

Ion	Ratio	Lower	Upper
101	100		
85	49.6	38.2	57.2
151	87.2	68.4	102.6



Instrument :
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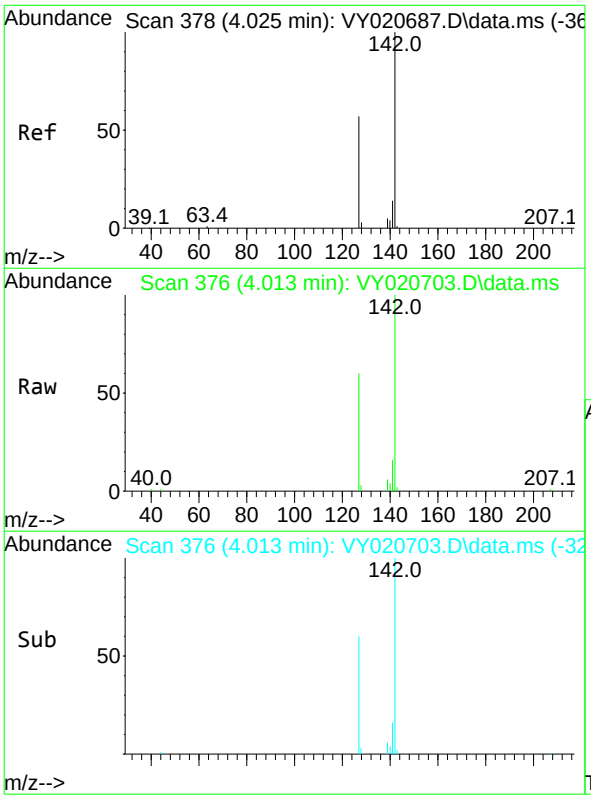
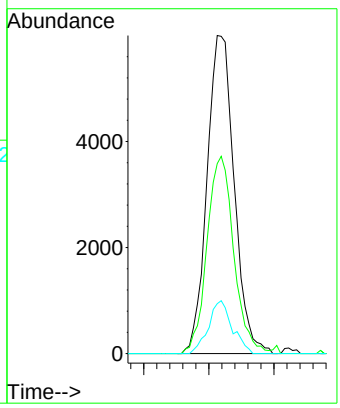
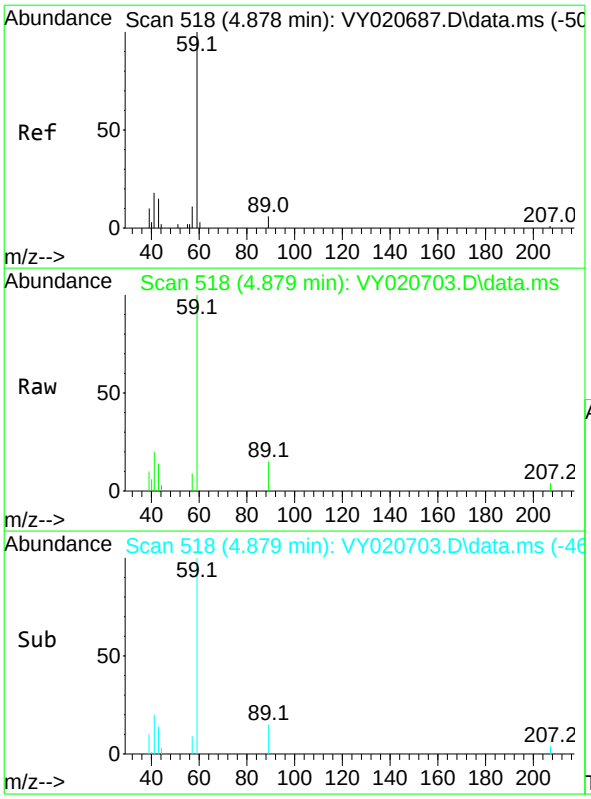


#10
Methyl Iodide
Concen: 19.168 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:142 Resp: 17395

Ion	Ratio	Lower	Upper
142	100		
127	61.1	48.8	73.2
141	14.5	11.9	17.9

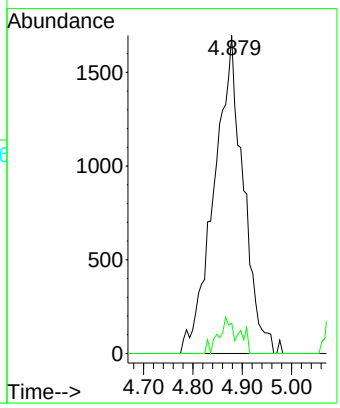




#11
Tert butyl alcohol
Concen: 93.870 ug/l
RT: 4.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 59 Resp: 6977

Ion	Ratio	Lower	Upper
59	100		
57	5.9	2.8	4.2#



Instrument :
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ClientSampleId :
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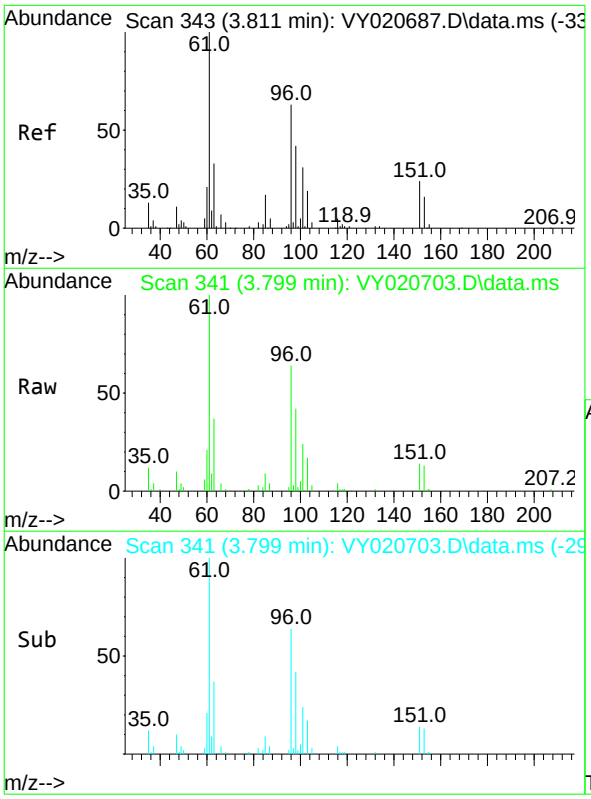
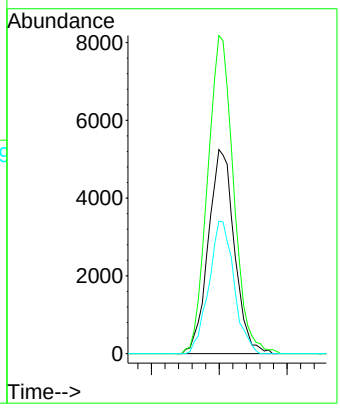
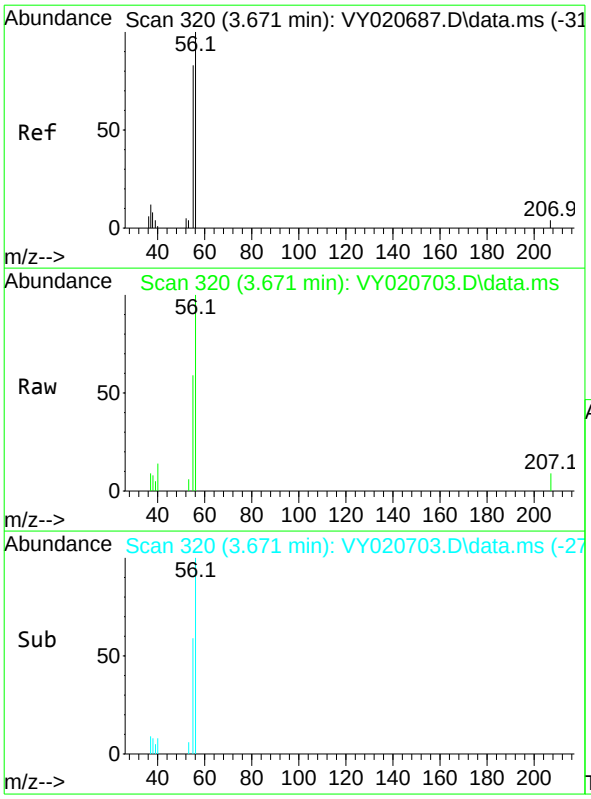


#12
1,1-Dichloroethene
Concen: 20.040 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 96 Resp: 14011

Ion	Ratio	Lower	Upper
96	100		
61	155.9	127.1	190.7
98	65.0	53.4	80.0

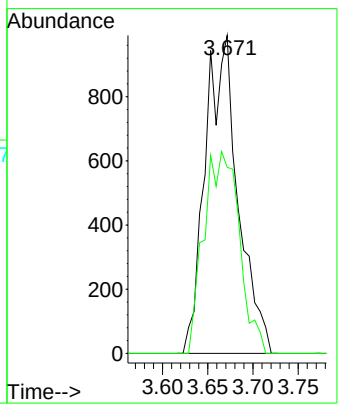




#13
Acrolein
Concen: 141.348 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 56 Resp: 2497

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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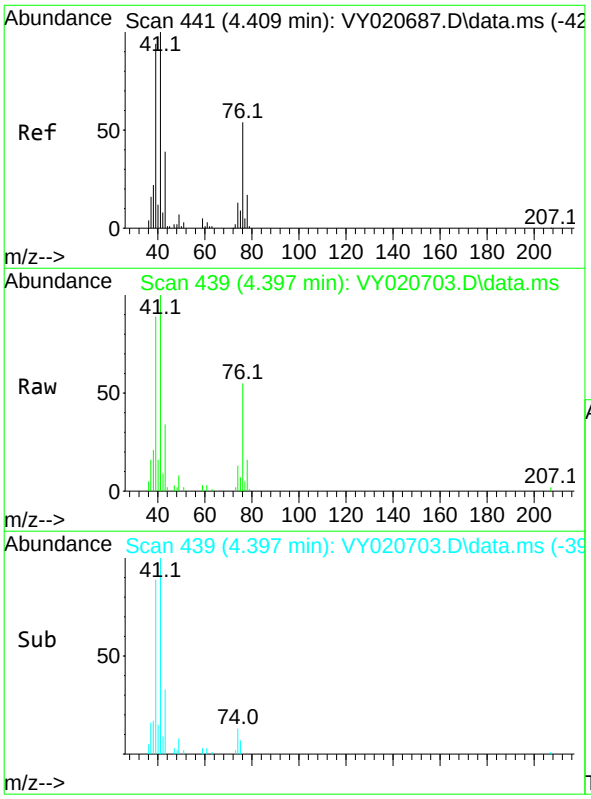
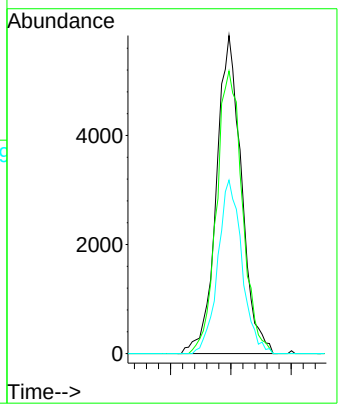
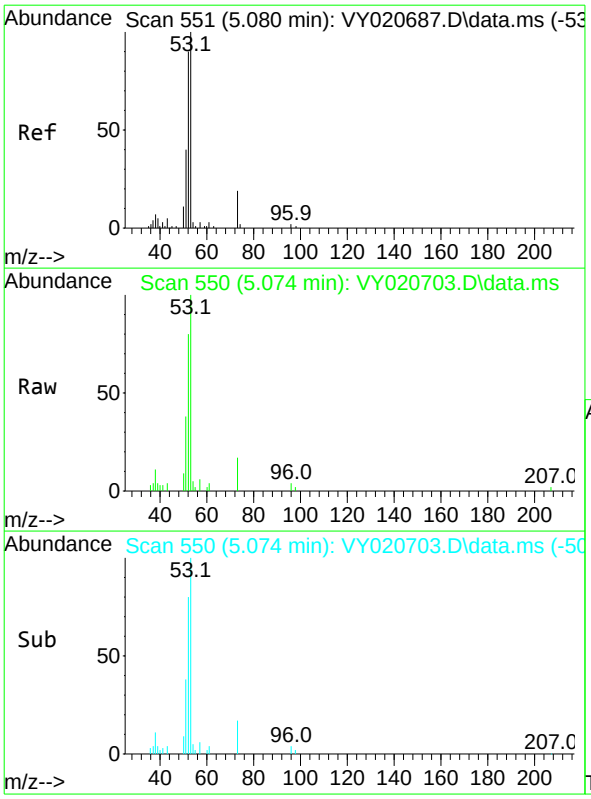


#14
Allyl chloride
Concen: 20.562 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 41 Resp: 16858

Ion	Ratio	Lower	Upper
41	100		
39	91.2	73.5	110.3
76	52.3	41.8	62.8

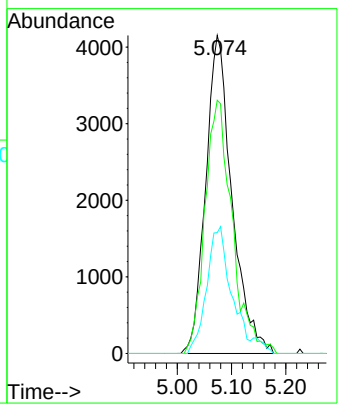




#15
Acrylonitrile
Concen: 109.579 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 53 Resp: 13947

Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.1	100.7
51	37.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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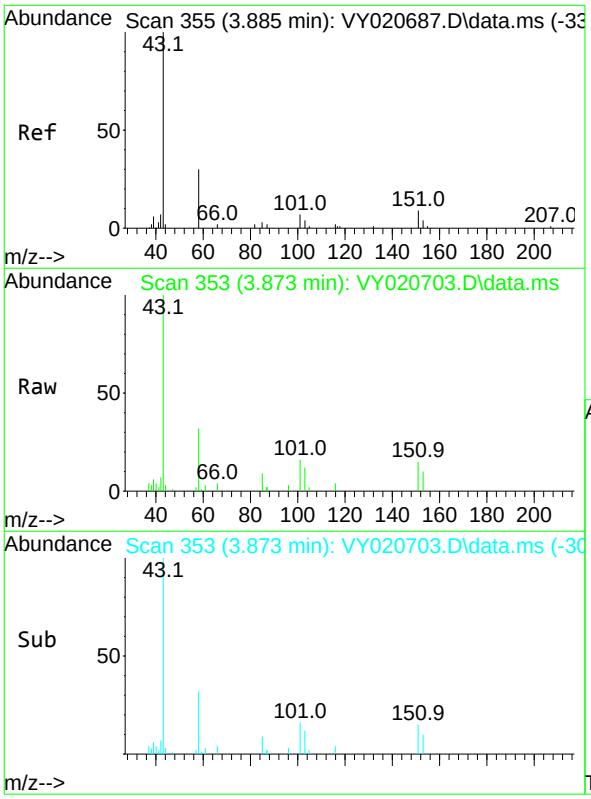
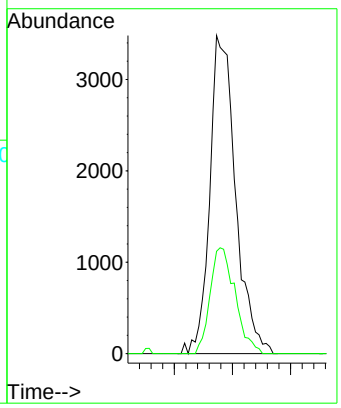
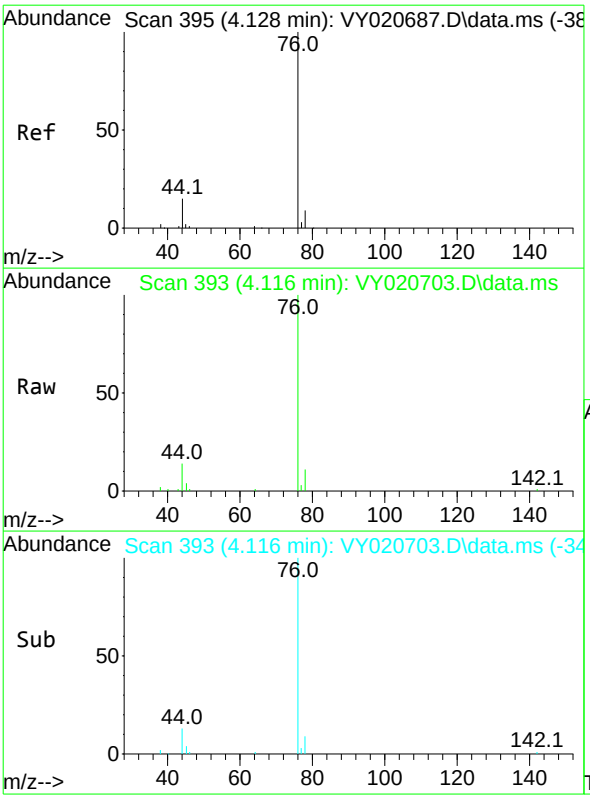


#16
Acetone
Concen: 101.056 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 10717

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.0	37.6

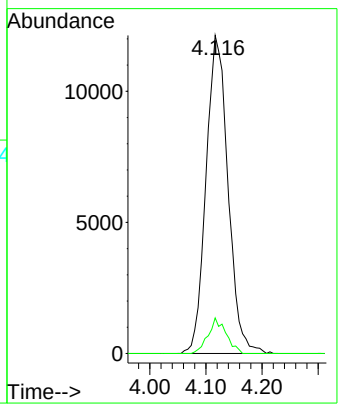




#17
Carbon Disulfide
Concen: 18.937 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 76 Resp: 33010

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.9	10.3#



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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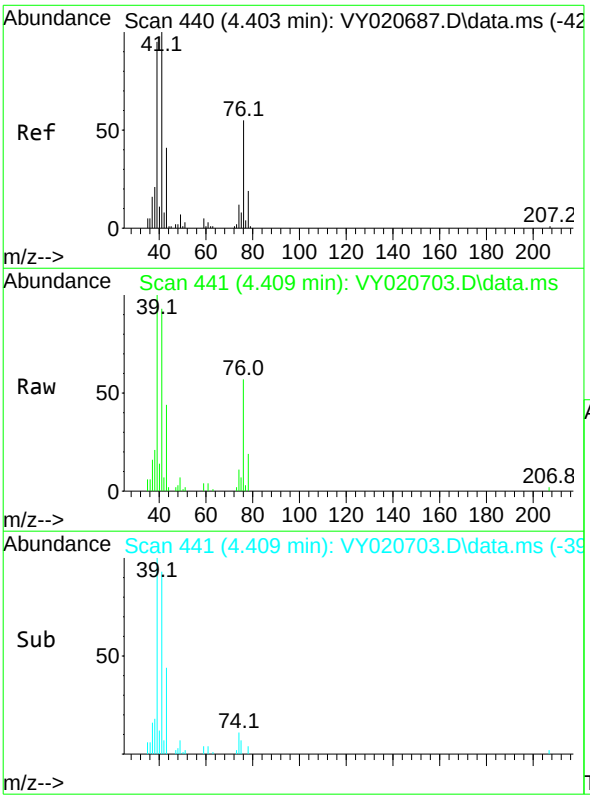
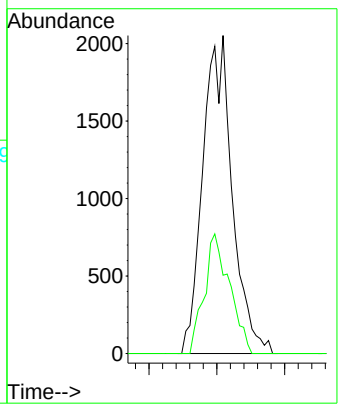
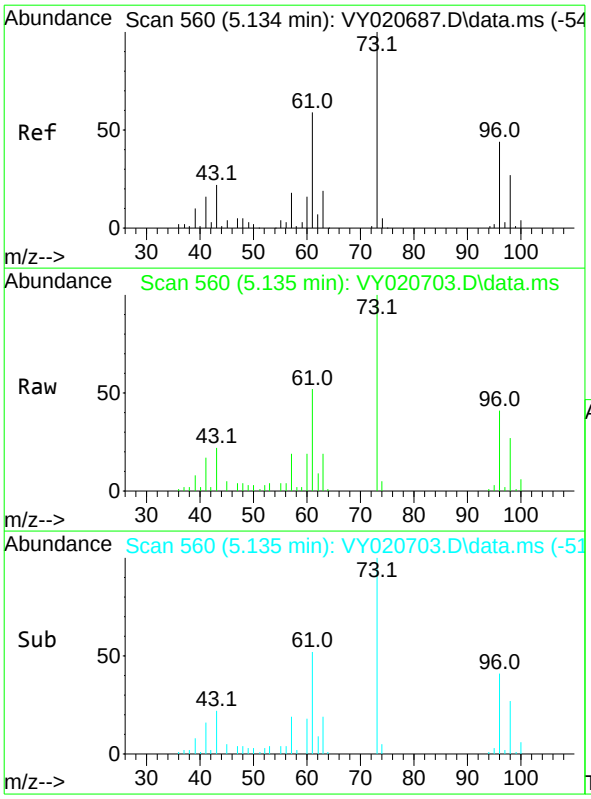


#18
Methyl Acetate
Concen: 22.535 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 6183

Ion	Ratio	Lower	Upper
43	100		
74	32.2	25.3	37.9

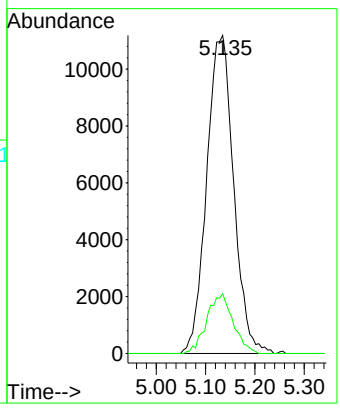




#19
Methyl tert-butyl Ether
Concen: 22.307 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 73 Resp: 42423

Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.4	21.6



Instrument :
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ClientSampleId :
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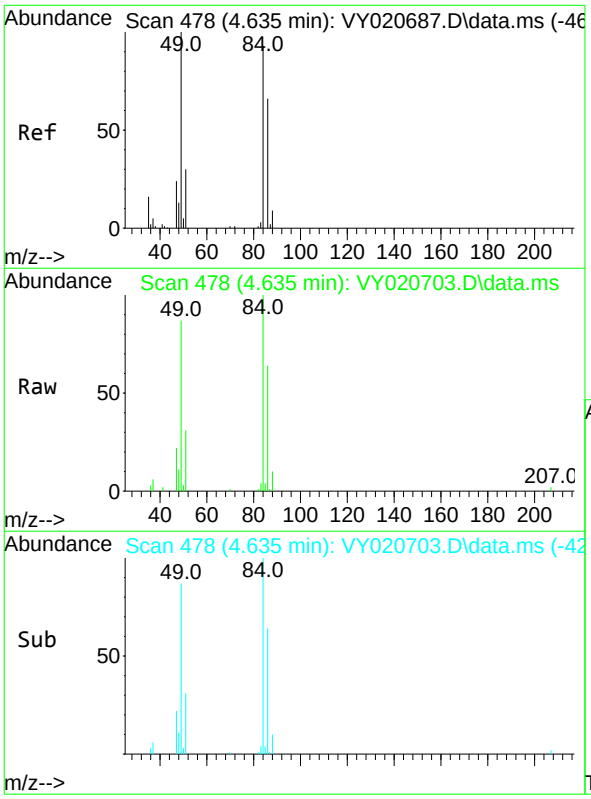
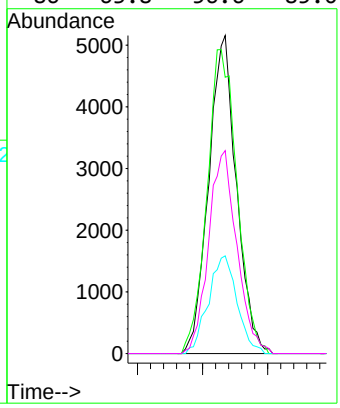
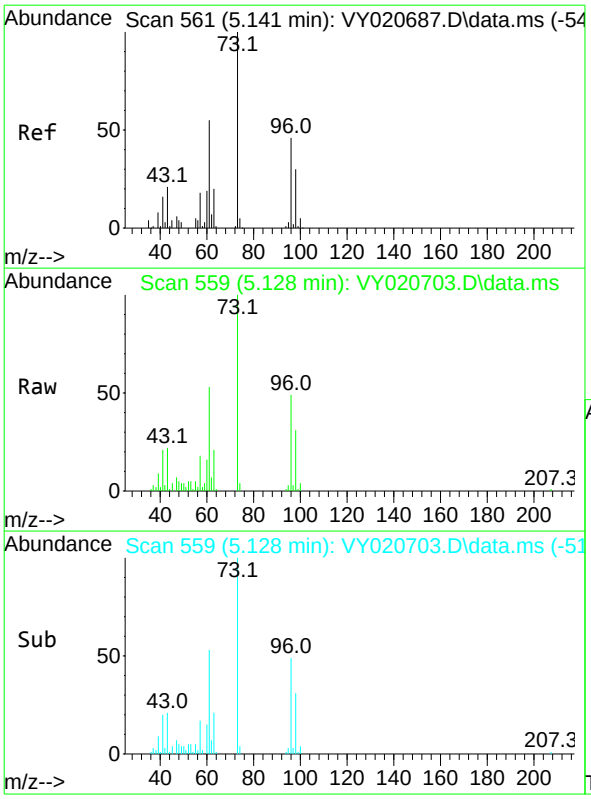


#20
Methylene Chloride
Concen: 21.633 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 84 Resp: 15288

Ion	Ratio	Lower	Upper
84	100		
49	86.9	86.4	129.6
51	30.7	25.5	38.3
86	63.8	56.6	85.0

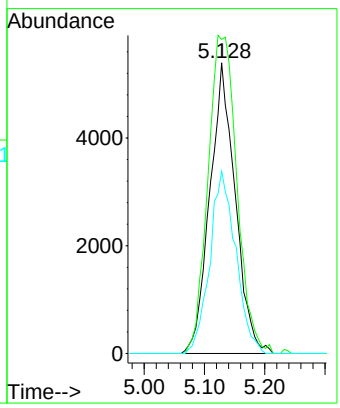




#21
trans-1,2-Dichloroethene
Concen: 20.956 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 96 Resp: 15798

Ion	Ratio	Lower	Upper
96	100		
61	108.1	96.1	144.1
98	62.7	52.7	79.1



Instrument :
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ClientSampleId :
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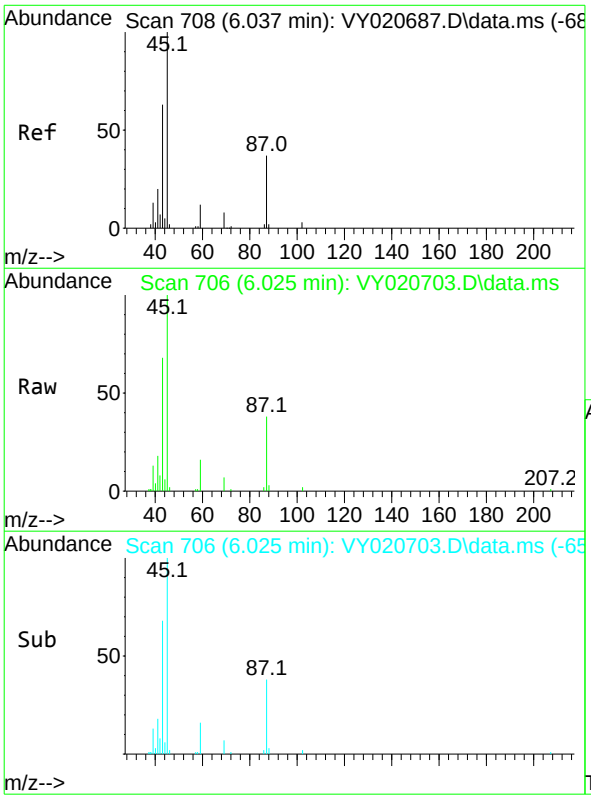
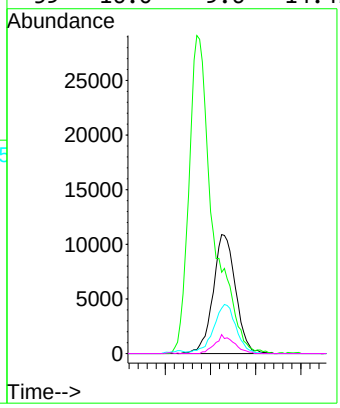
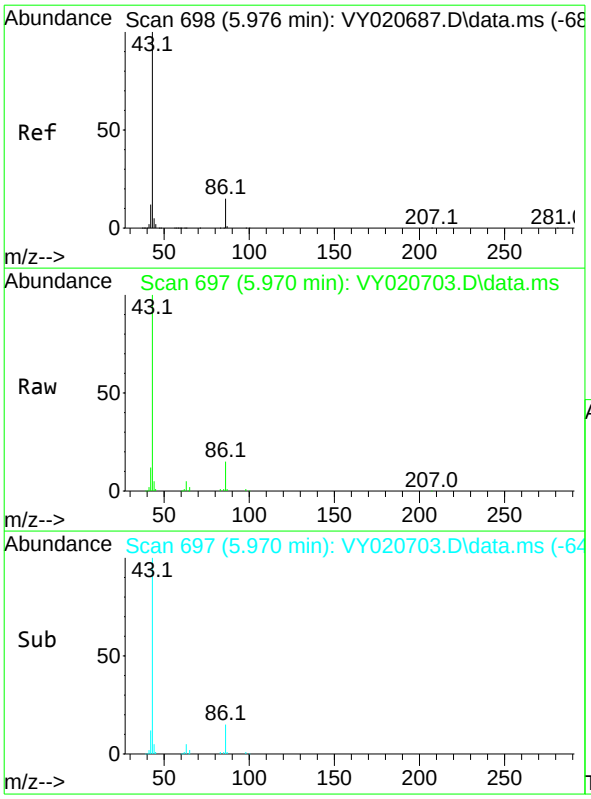


#22
Diisopropyl ether
Concen: 22.479 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 45 Resp: 37677

Ion	Ratio	Lower	Upper
45	100		
43	68.4	51.3	76.9
87	38.1	30.6	46.0
59	16.0	9.6	14.4#





#23
Vinyl Acetate
Concen: 108.272 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 107461

Ion	Ratio	Lower	Upper
43	100		
86	14.7	12.0	18.0

Instrument :
MSVOA_Y
ClientSampleId :
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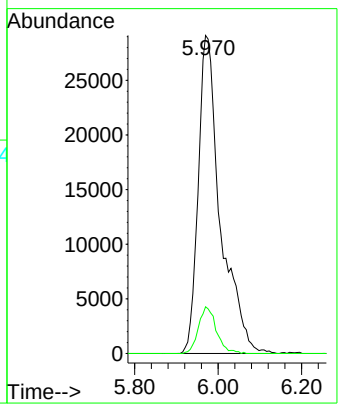
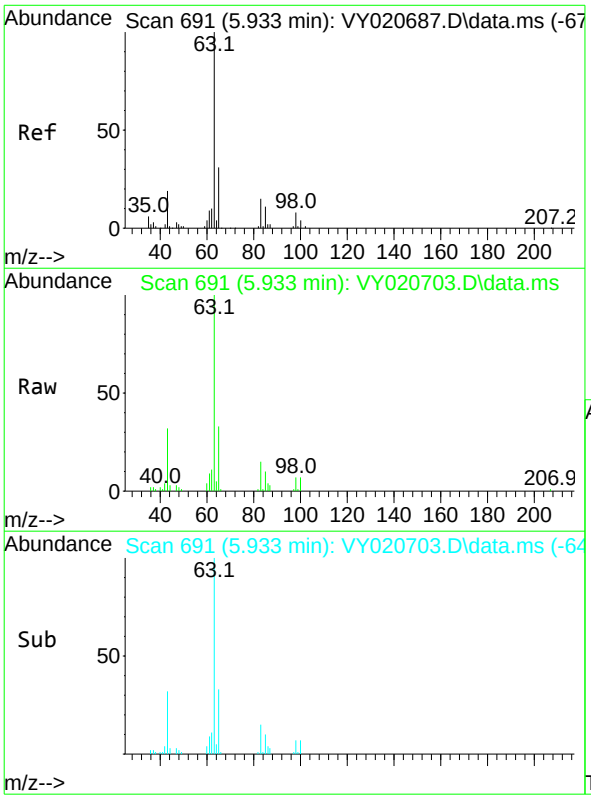
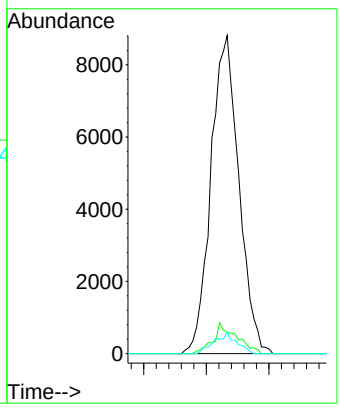


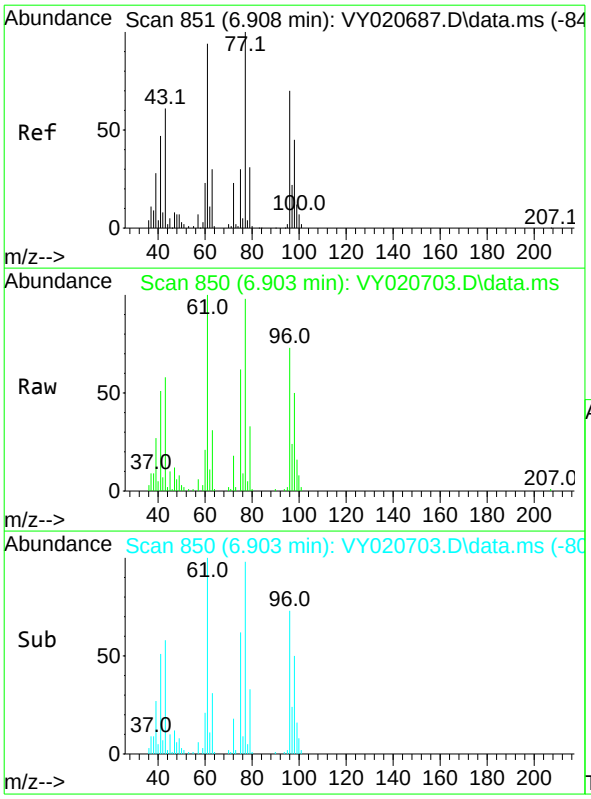


#24
1,1-Dichloroethane
Concen: 21.882 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 63 Resp: 27342

Ion	Ratio	Lower	Upper
63	100		
98	6.7	4.0	12.0
100	6.8	2.1	6.2#

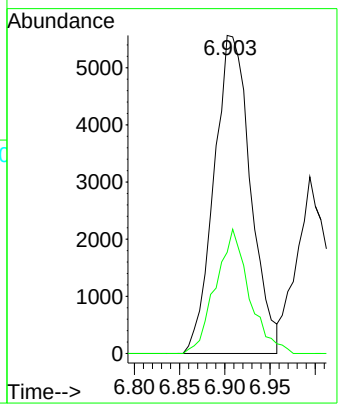




#25
2-Butanone
Concen: 105.199 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 15672

Ion	Ratio	Lower	Upper
43	100		
72	31.8	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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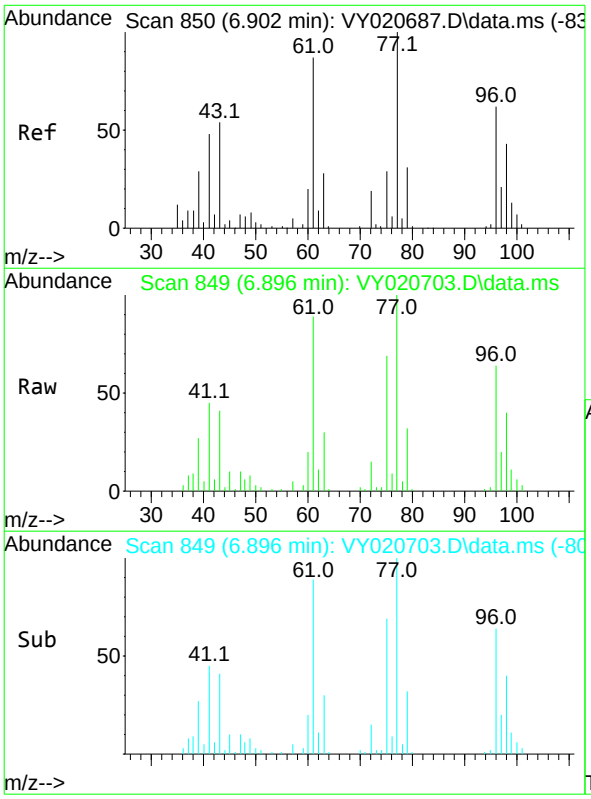
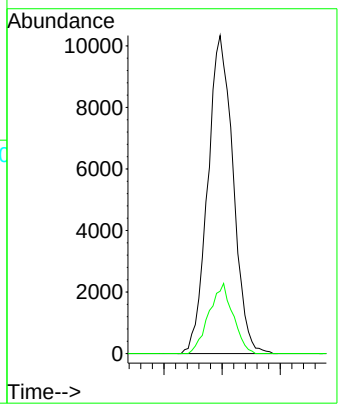
Supervised By :Mahesh Dadoda 12/26/2024

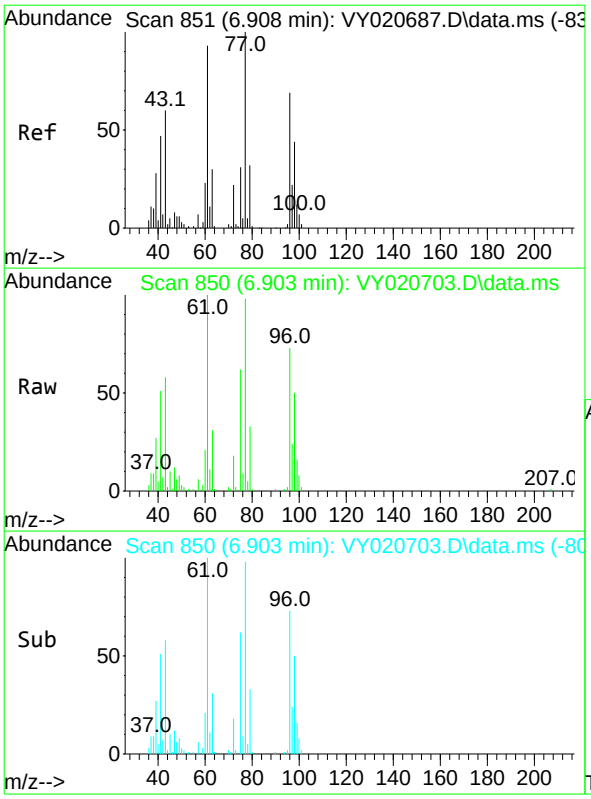


#26
2,2-Dichloropropane
Concen: 20.024 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 77 Resp: 31303

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 22.020 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 96 Resp: 19772

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	277.2
98	64.4	0.0	131.0

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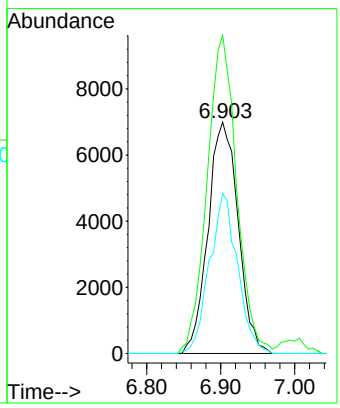
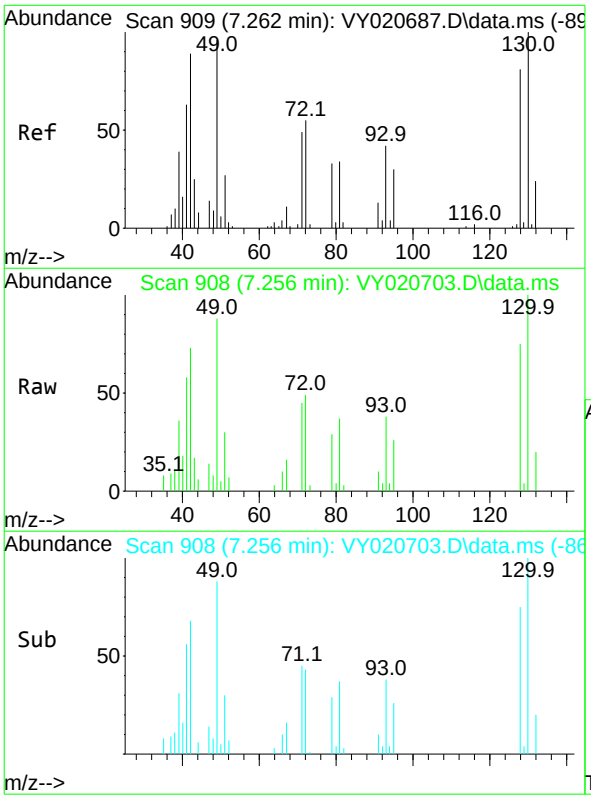
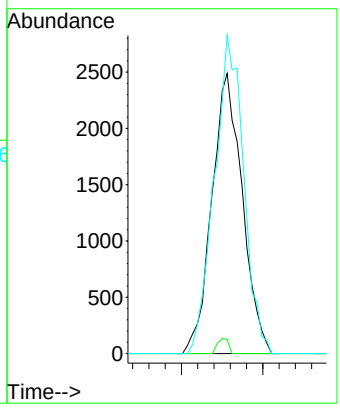


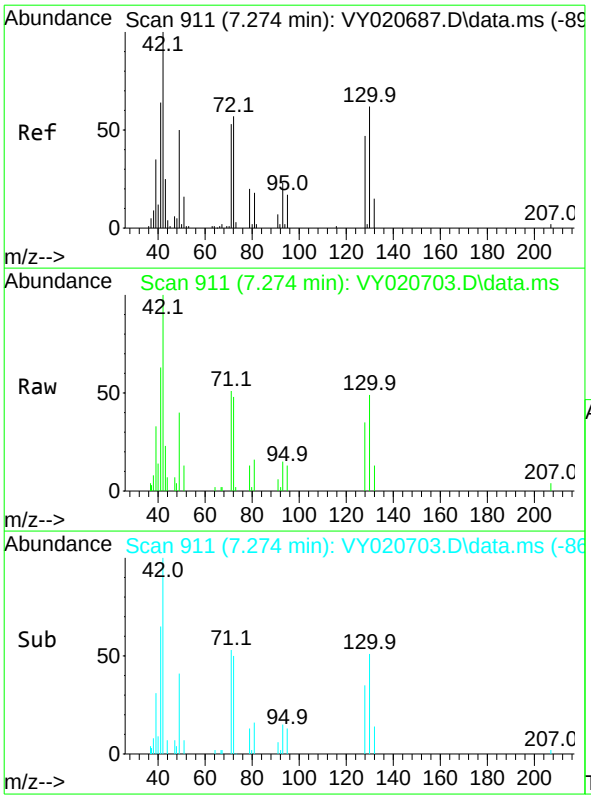


#28
Bromochloromethane
Concen: 19.677 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 49 Resp: 6466

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	109.6	87.2	130.8

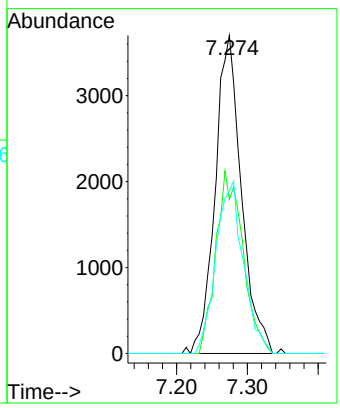




#29
Tetrahydrofuran
Concen: 108.884 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 42 Resp: 9534

Ion	Ratio	Lower	Upper
42	100		
72	59.0	47.4	71.0
71	56.9	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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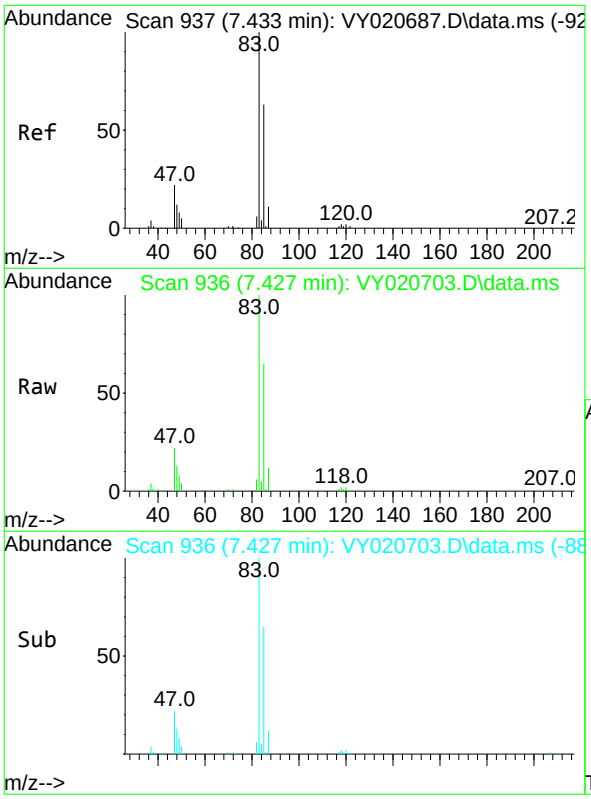
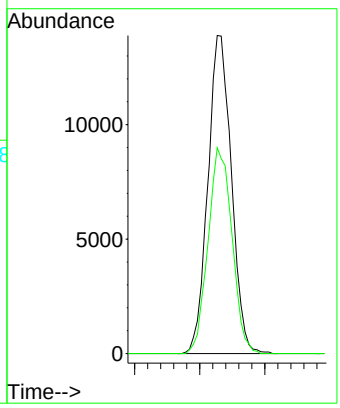
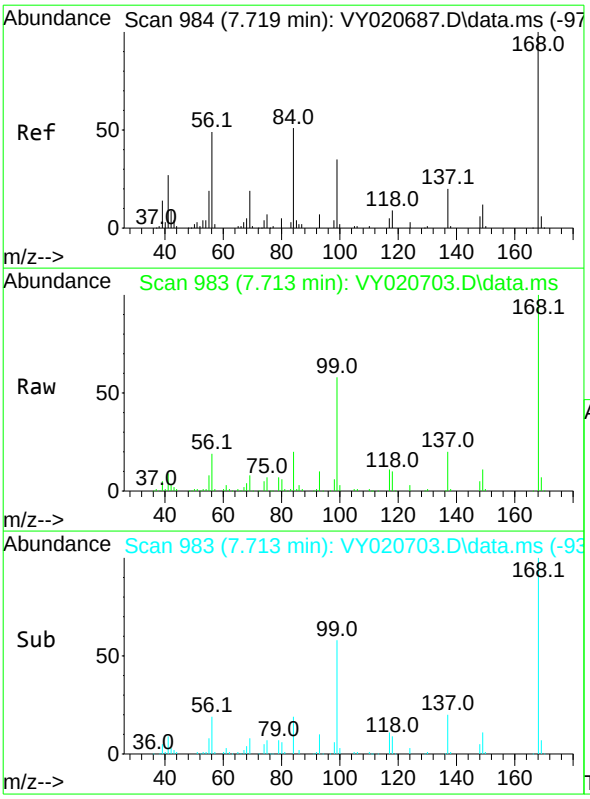


#30
Chloroform
Concen: 21.222 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 83 Resp: 34856

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.2

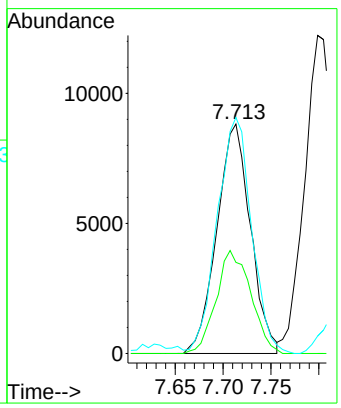




#31
Cyclohexane
Concen: 19.666 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 56 Resp: 21545

Ion	Ratio	Lower	Upper
56	100		
69	39.7	31.3	46.9
84	99.7	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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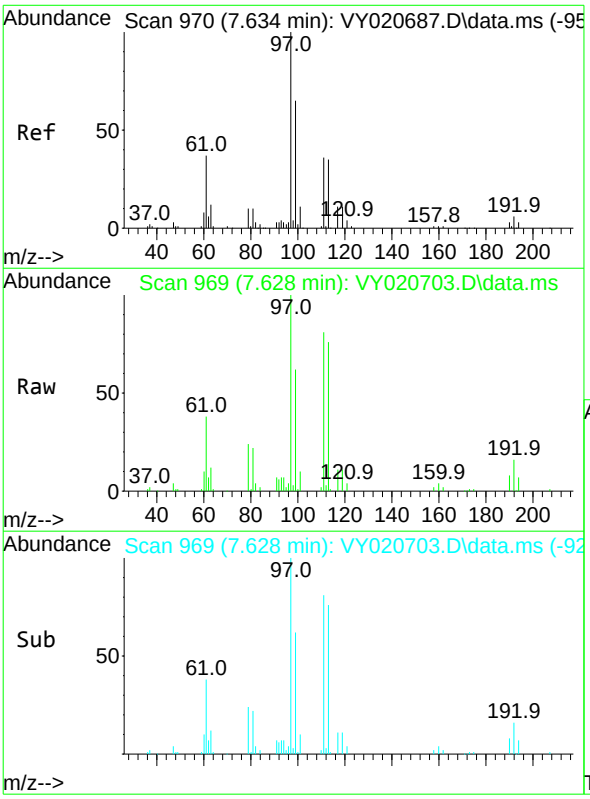
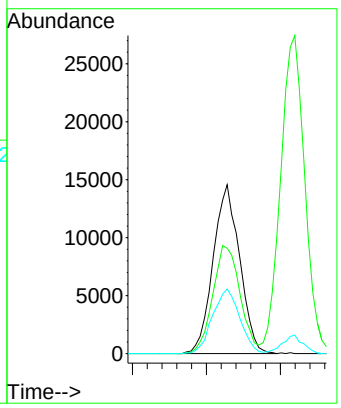
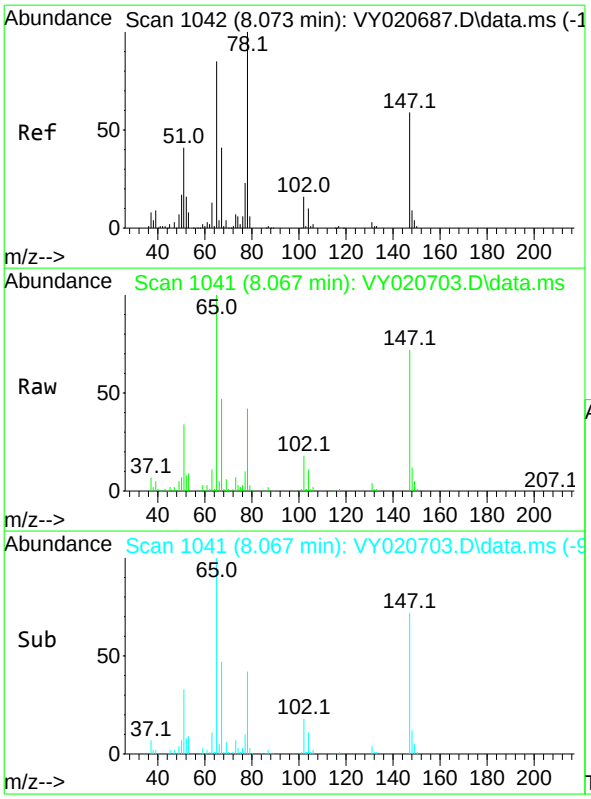


#32
1,1,1-Trichloroethane
Concen: 21.120 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 97 Resp: 36239

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.0	76.6
61	39.2	30.0	45.0

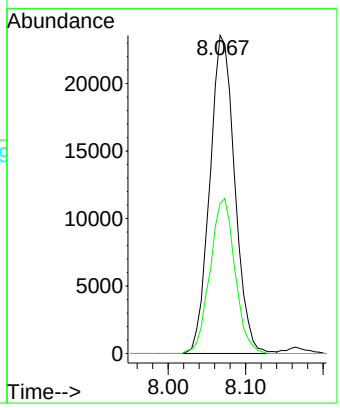




#33
1,2-Dichloroethane-d4
Concen: 56.819 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 65 Resp: 52754

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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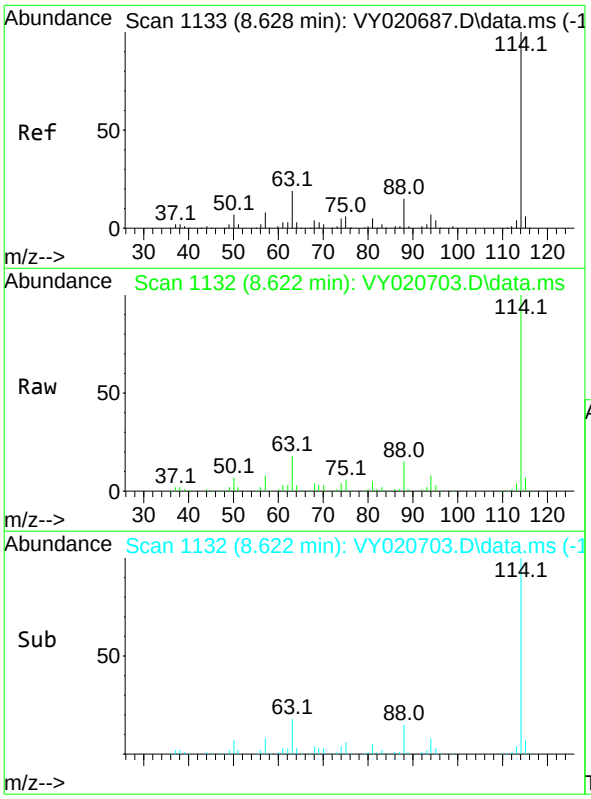
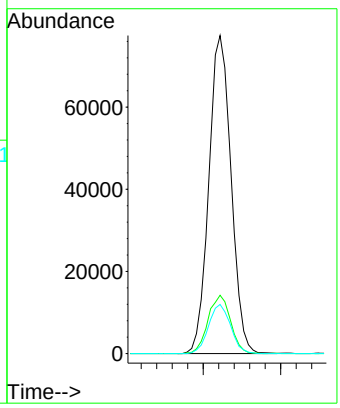
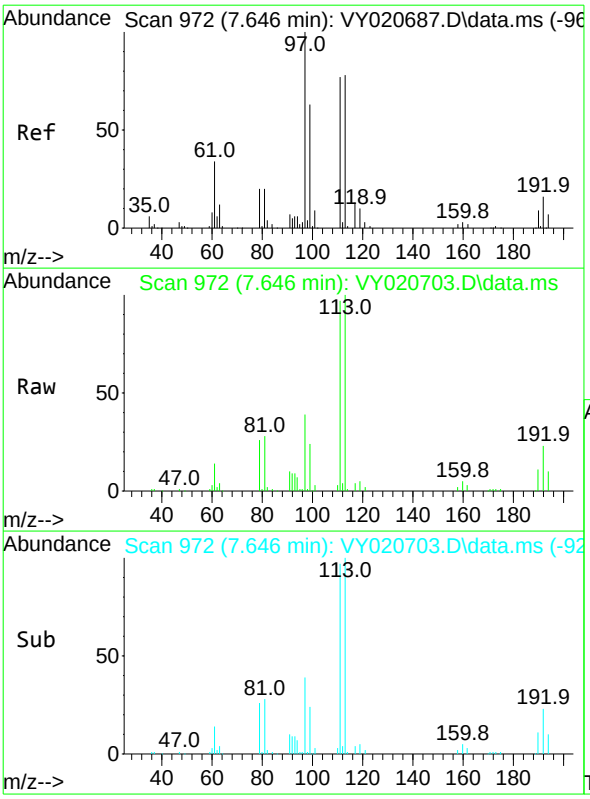


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:114 Resp: 154339

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	15.4	0.0	30.4

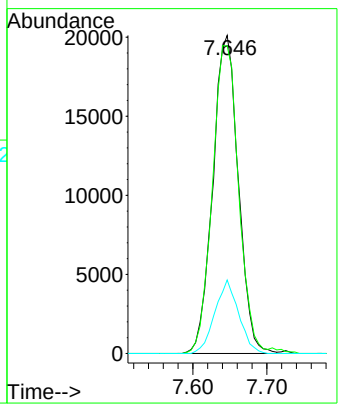




#35
Dibromofluoromethane
Concen: 53.141 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:113 Resp: 48159

Ion	Ratio	Lower	Upper
113	100		
111	99.6	79.8	119.8
192	21.6	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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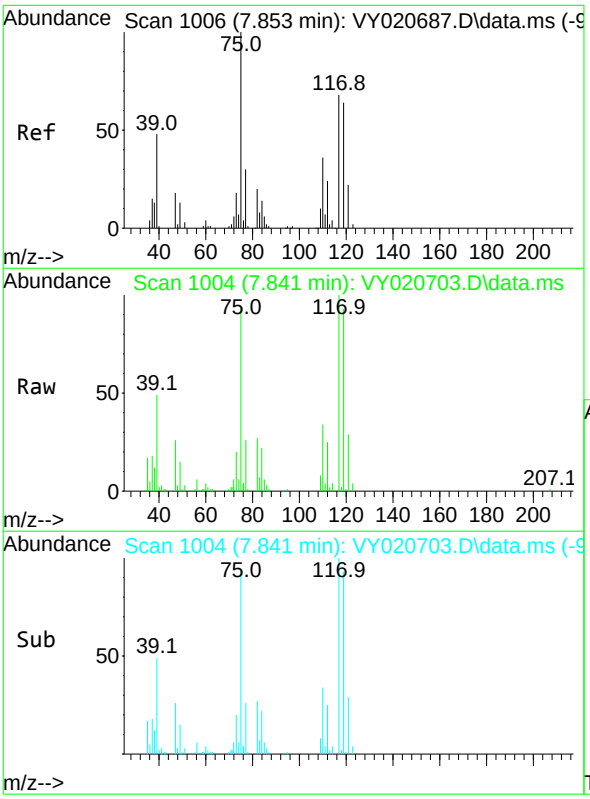
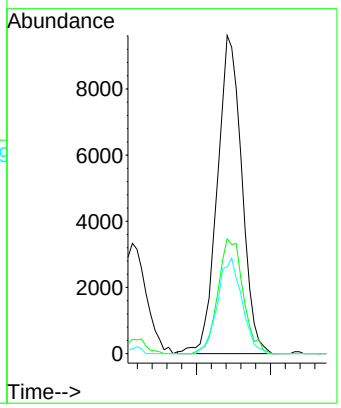
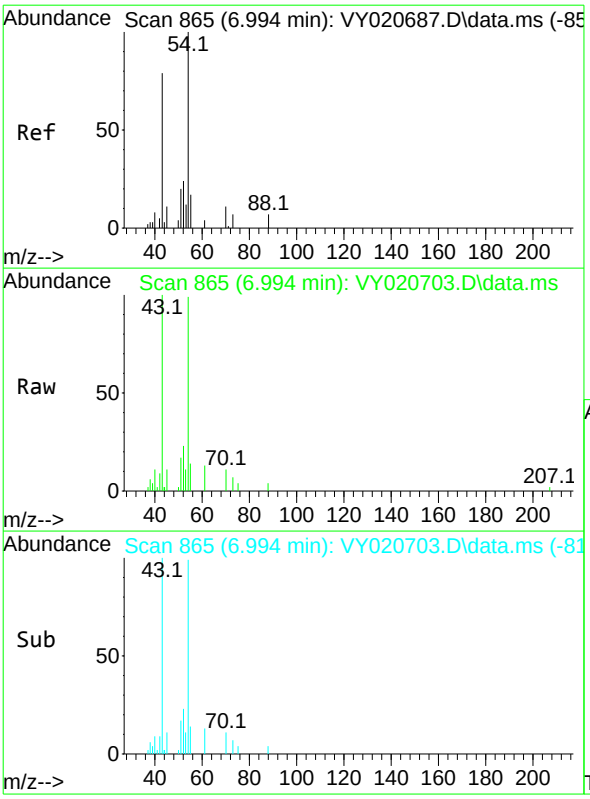


#36
1,1-Dichloropropene
Concen: 20.061 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 22098

Ion	Ratio	Lower	Upper
75	100		
110	37.1	19.6	58.7
77	29.9	25.1	37.7

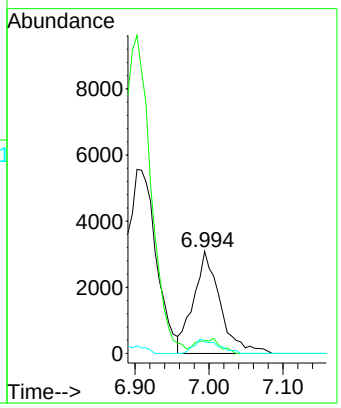




#37
Ethyl Acetate
Concen: 20.609 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 7719

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	12.5	11.0	16.4



Instrument :
MSVOA_Y
ClientSampleId :
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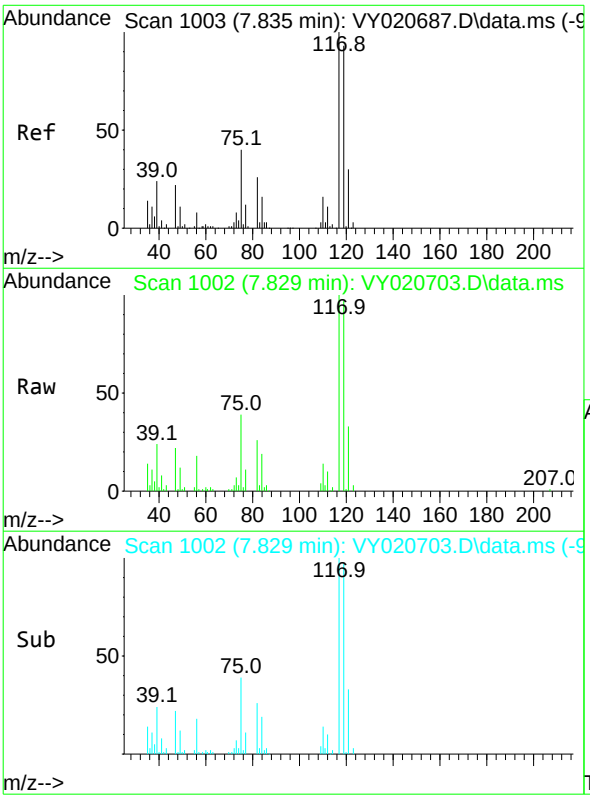
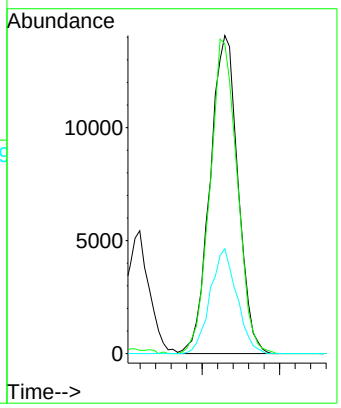
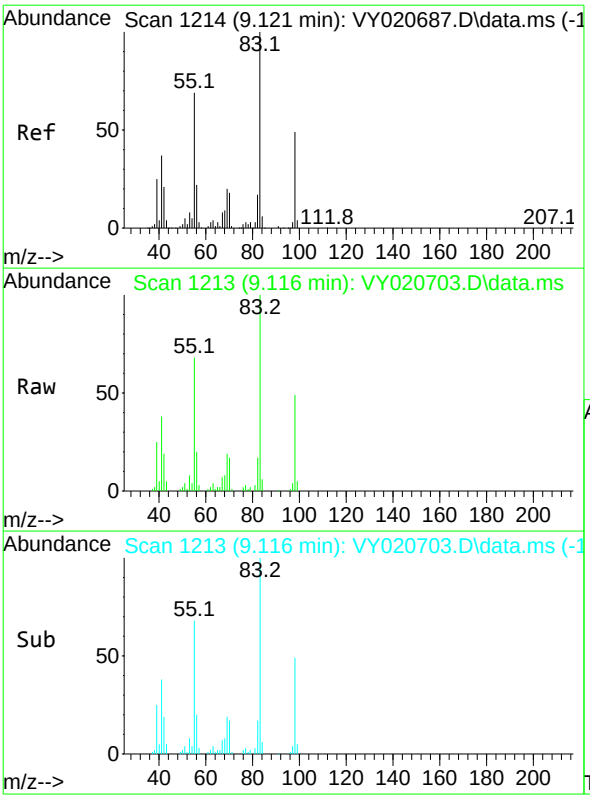


#38
Carbon Tetrachloride
Concen: 19.755 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:117 Resp: 35214

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	33.0	24.2	36.2

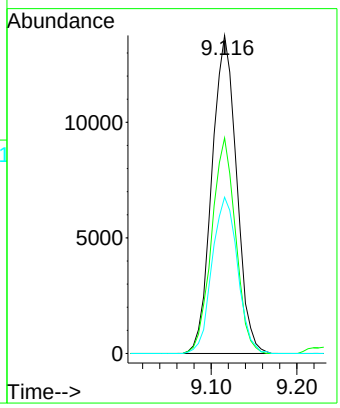




#39
Methylcyclohexane
Concen: 19.641 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 83 Resp: 27500

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.0	82.4
98	49.1	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
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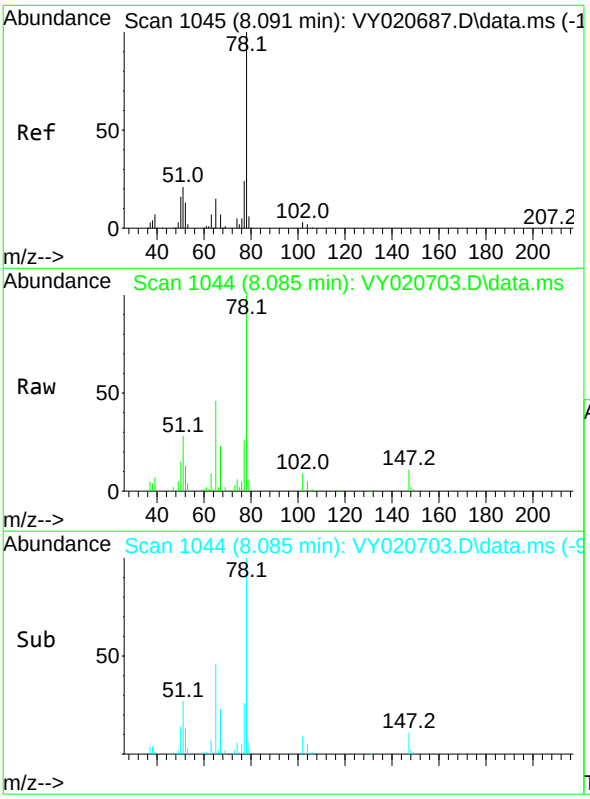
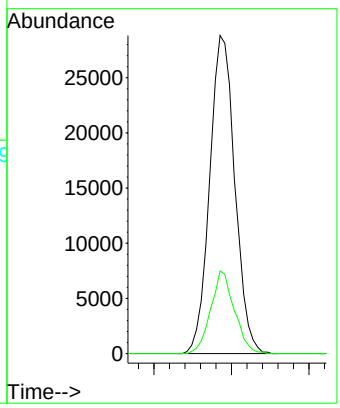
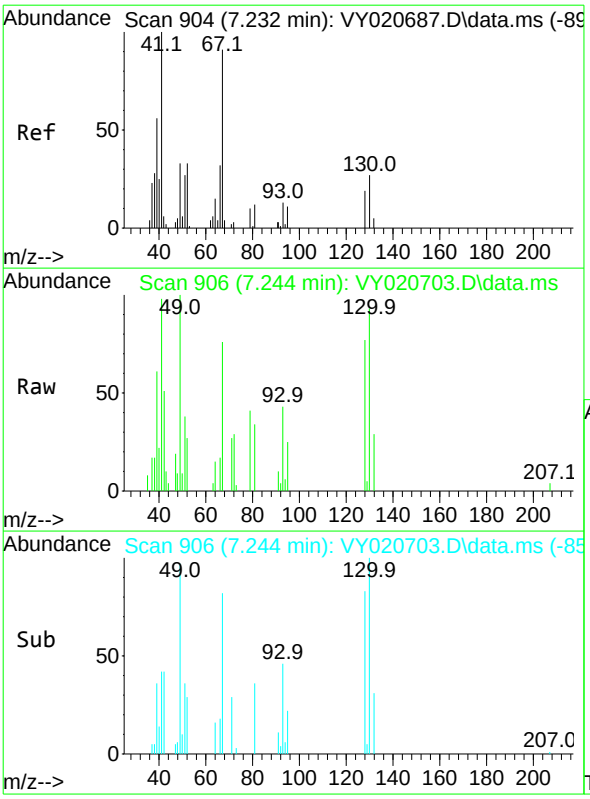


#40
Benzene
Concen: 20.474 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 78 Resp: 65063

Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.2	28.8

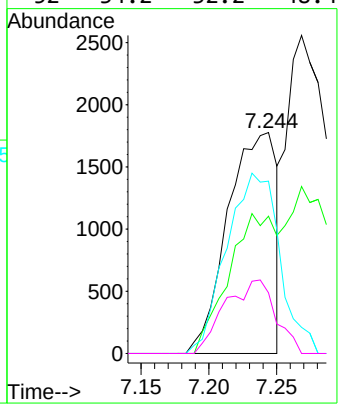




#41
Methacrylonitrile
Concen: 21.838 ug/l
RT: 7.244 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 41 Resp: 4454

Ion	Ratio	Lower	Upper
41	100		
39	61.2	46.6	70.0
67	88.7	74.7	112.1
52	34.2	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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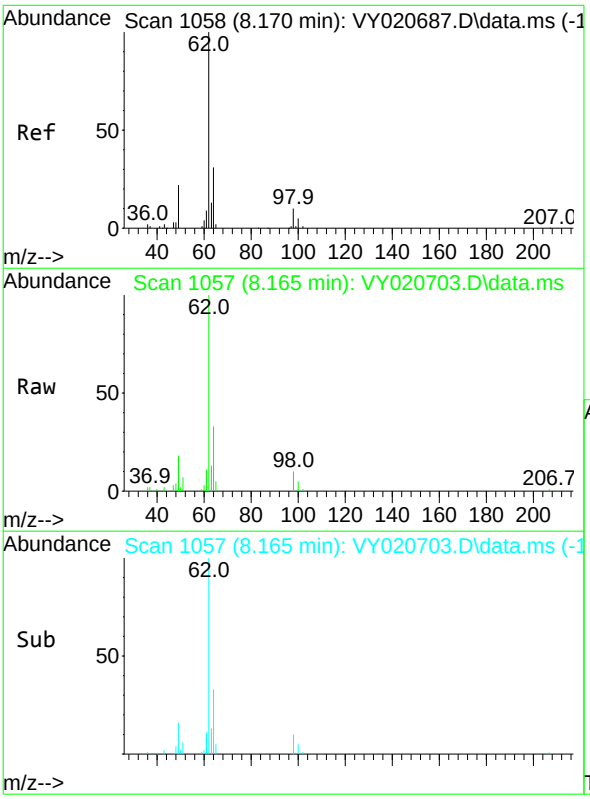
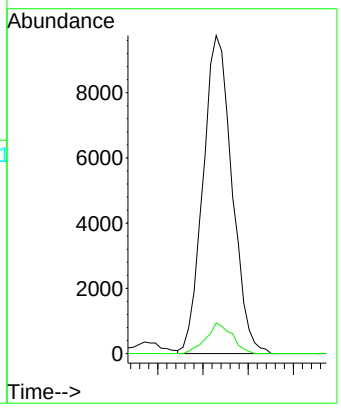
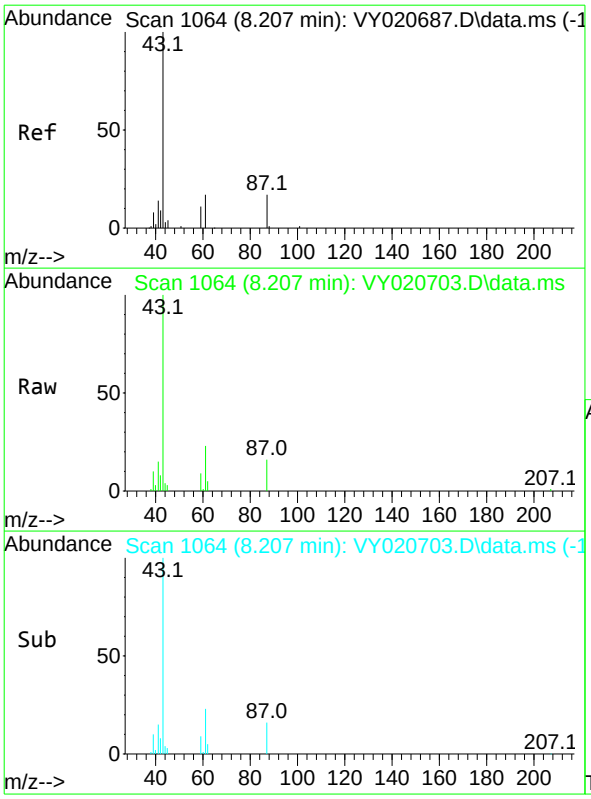


#42
1,2-Dichloroethane
Concen: 21.495 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 62 Resp: 21724

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6

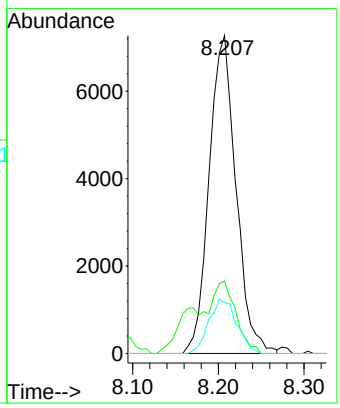




#43
Isopropyl Acetate
Concen: 21.172 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 15842

Ion	Ratio	Lower	Upper
43	100		
61	18.8	27.0	40.4#
87	17.7	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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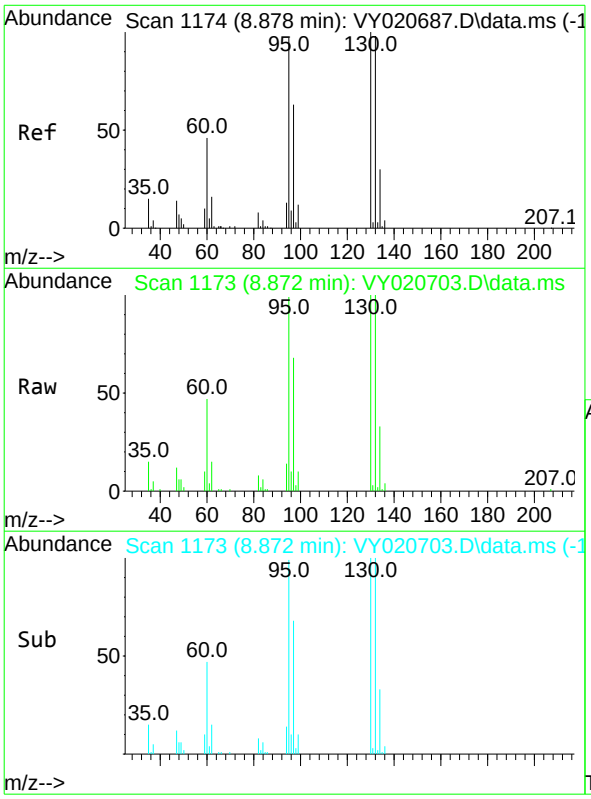
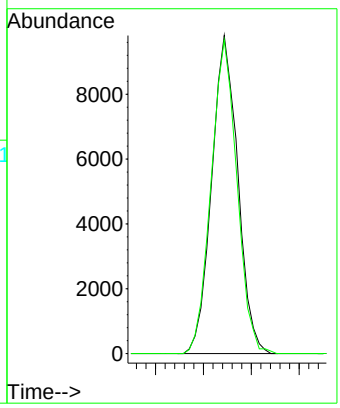
Supervised By :Mahesh Dadoda 12/26/2024

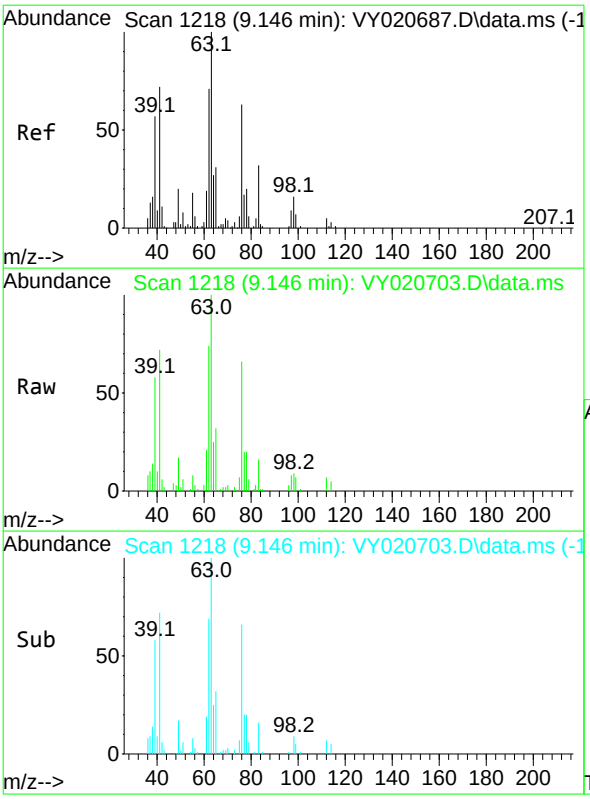


#44
Trichloroethene
Concen: 19.707 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:130 Resp: 18586

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	194.8

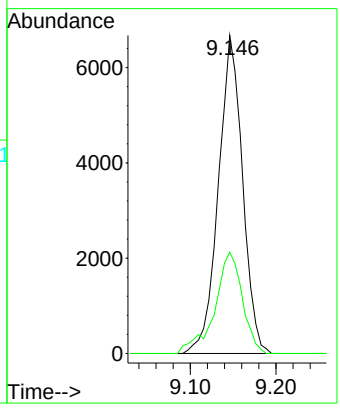




#45
1,2-Dichloropropane
Concen: 20.911 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 63 Resp: 13056

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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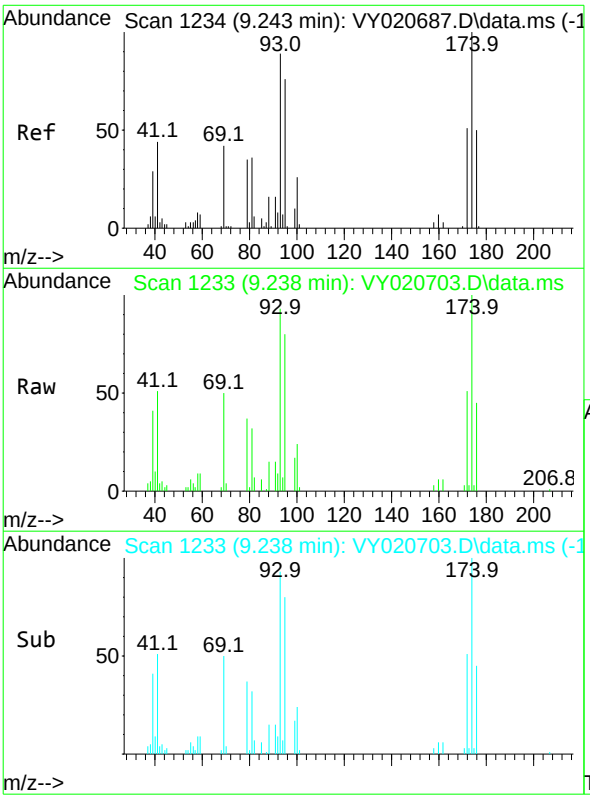
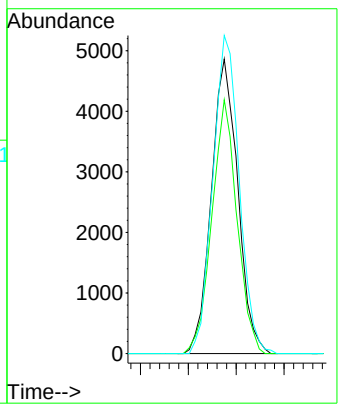
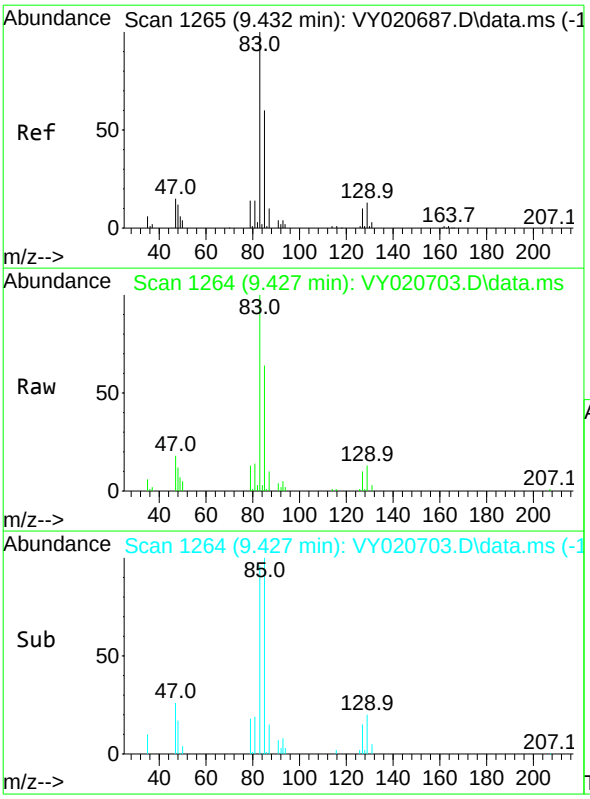


#46
Dibromomethane
Concen: 21.655 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 93 Resp: 9334

Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.8	101.8
174	107.9	89.4	134.0

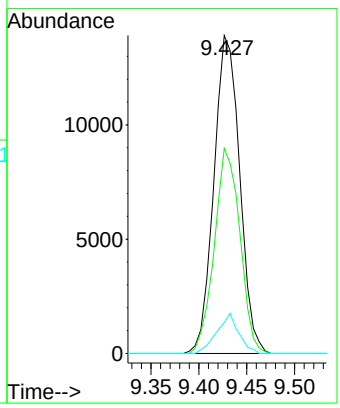




#47
Bromodichloromethane
Concen: 21.312 ug/l
RT: 9.427 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 83 Resp: 26059

Ion	Ratio	Lower	Upper
83	100		
85	64.5	47.6	71.4
127	9.7	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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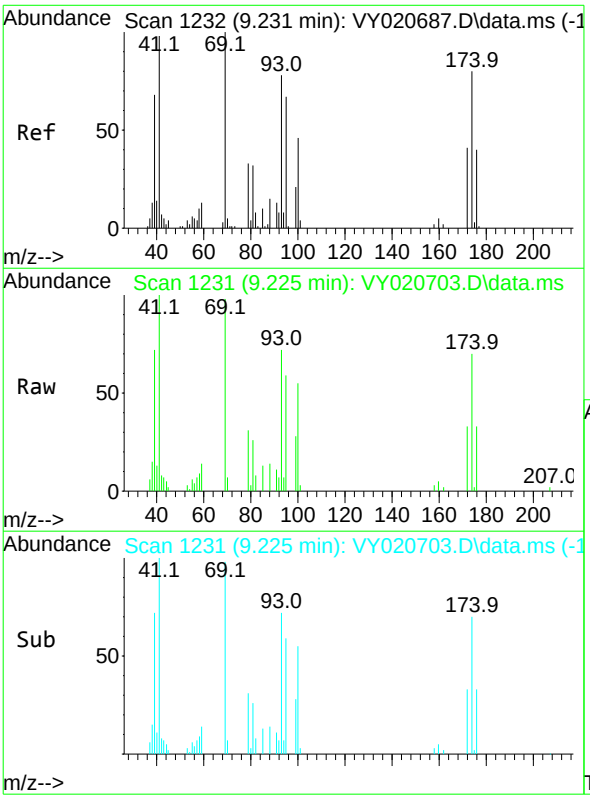
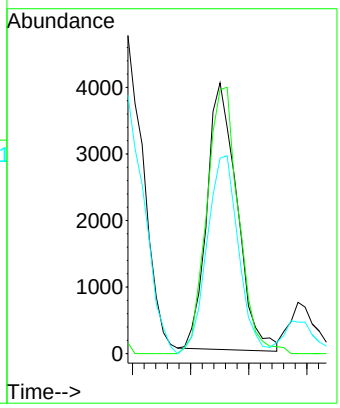
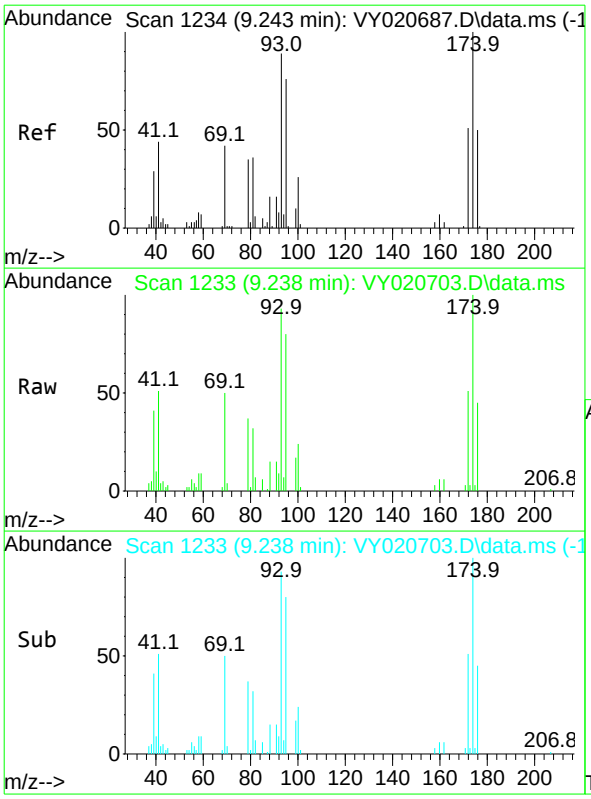


#48
Methyl methacrylate
Concen: 20.347 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 41 Resp: 7217

Ion	Ratio	Lower	Upper
41	100		
69	105.4	83.1	124.7
39	77.6	57.3	85.9





#49
1,4-Dioxane
Concen: 435.830 ug/l
RT: 9.238 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 88 Resp: 1762

Ion	Ratio	Lower	Upper
88	100		
43	38.4	22.1	33.1#
58	54.5	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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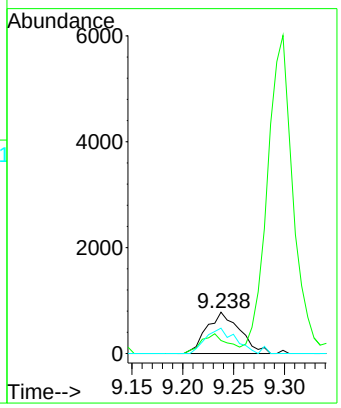
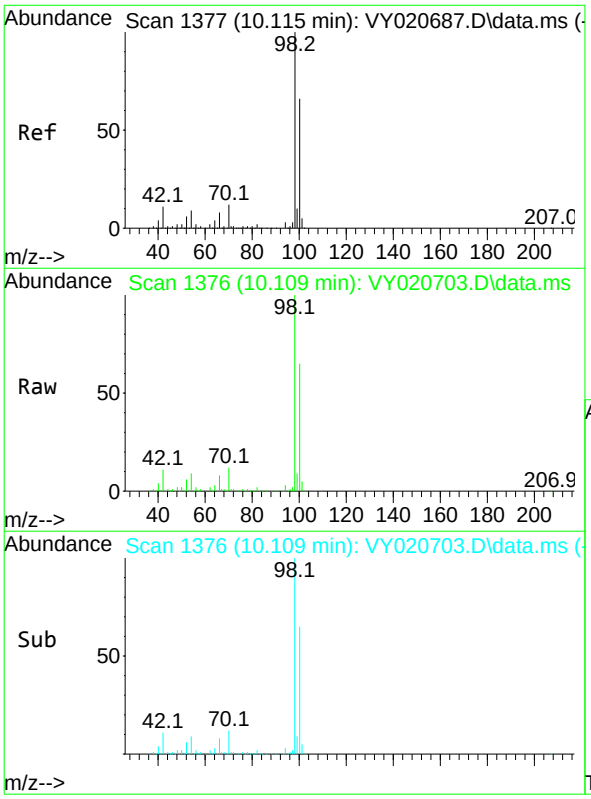
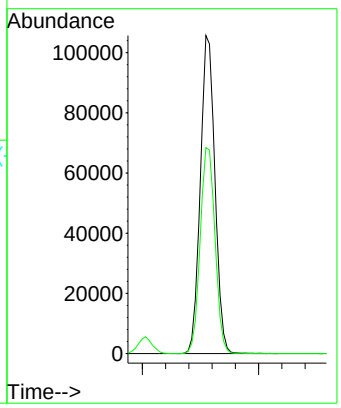


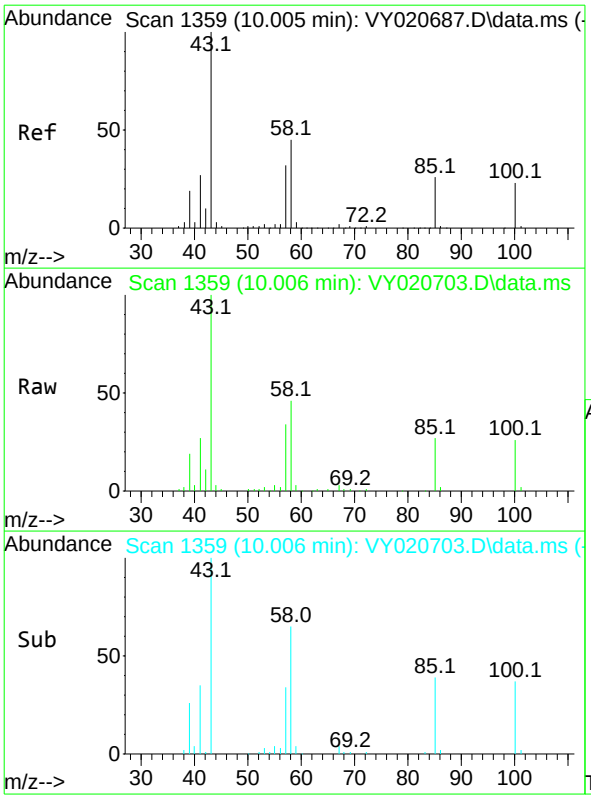


#50
Toluene-d8
Concen: 55.931 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 98 Resp: 184098

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4

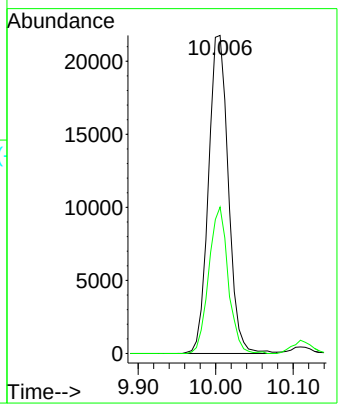




#51
4-Methyl-2-Pentanone
Concen: 103.556 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 38706

Ion	Ratio	Lower	Upper
43	100		
58	45.0	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
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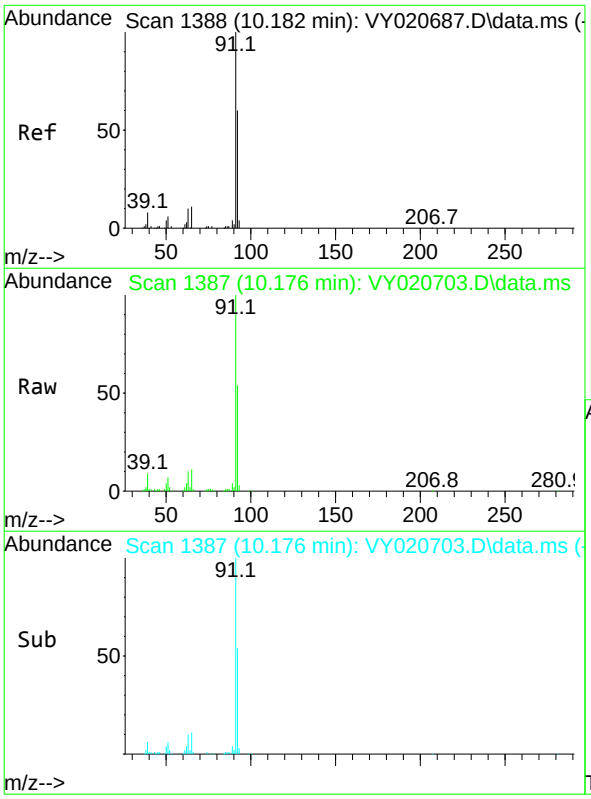
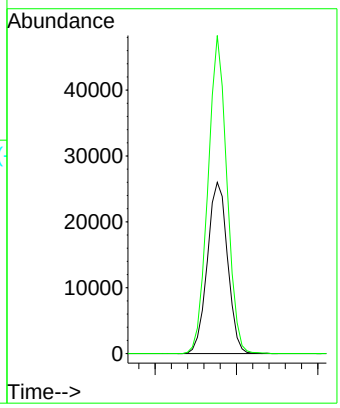
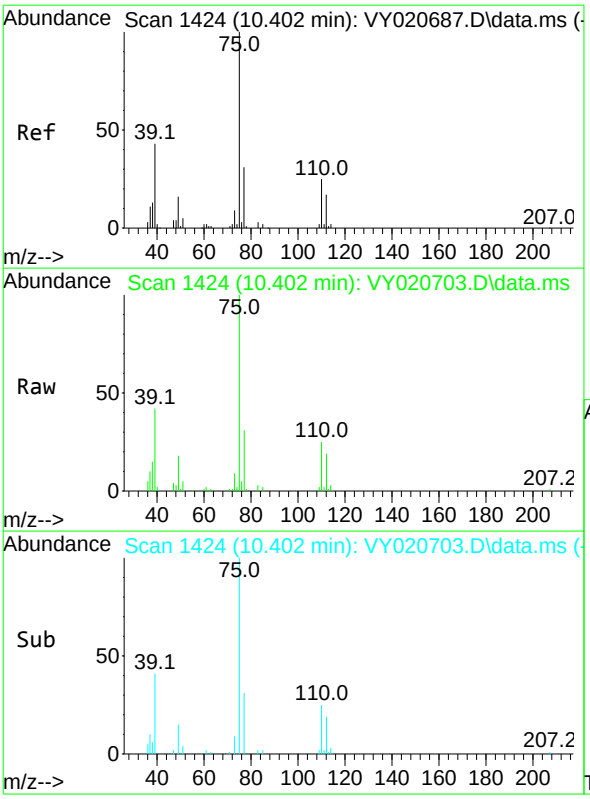


#52
Toluene
Concen: 20.709 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 92 Resp: 44815

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.7	206.5

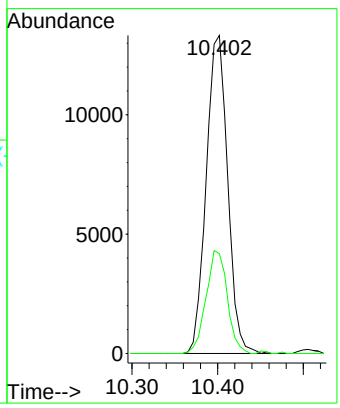




#53
t-1,3-Dichloropropene
Concen: 21.385 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 23137

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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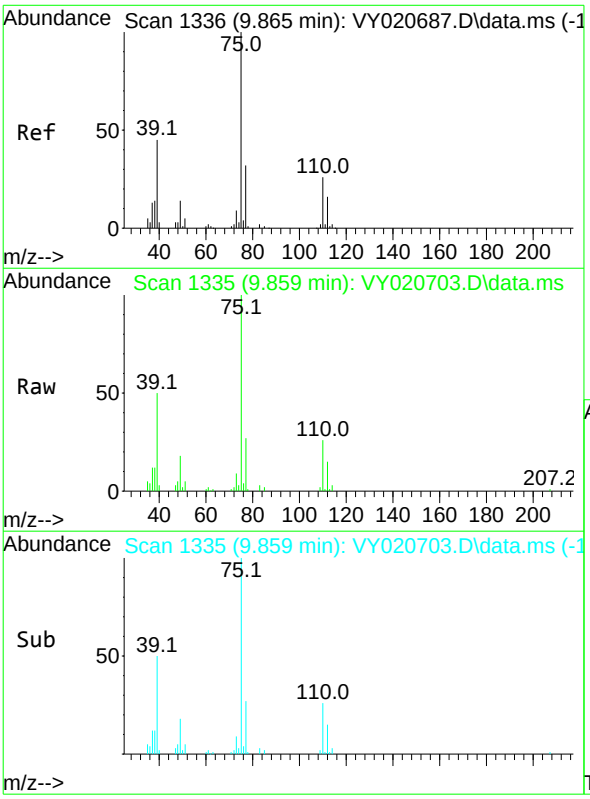
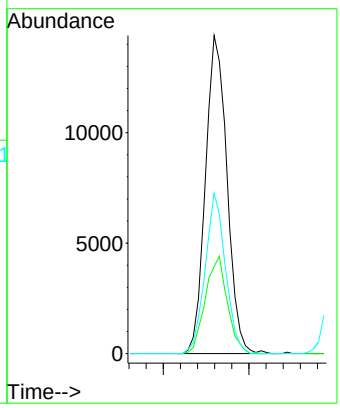
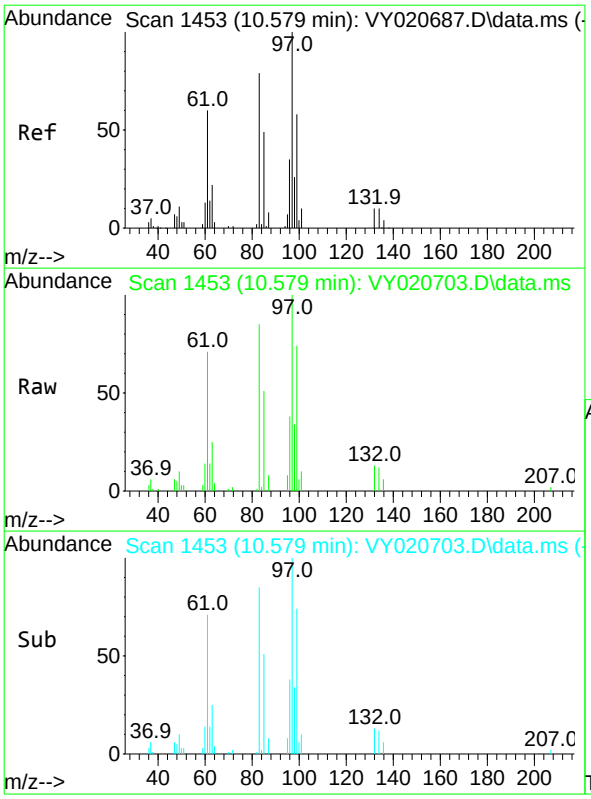


#54
cis-1,3-Dichloropropene
Concen: 21.119 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 25177

Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.6	38.4
39	50.4	36.2	54.2

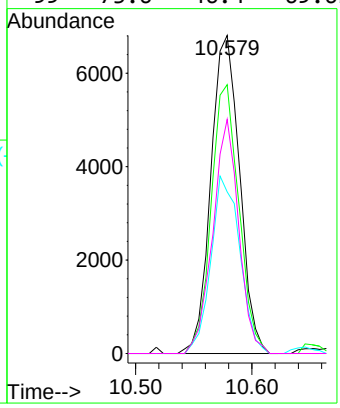




#55
1,1,2-Trichloroethane
Concen: 20.931 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 97 Resp: 11682

Ion	Ratio	Lower	Upper
97	100		
83	84.5	63.1	94.7
85	50.8	39.5	59.3
99	73.6	46.4	69.6#



Instrument :
MSVOA_Y
ClientSampleId :
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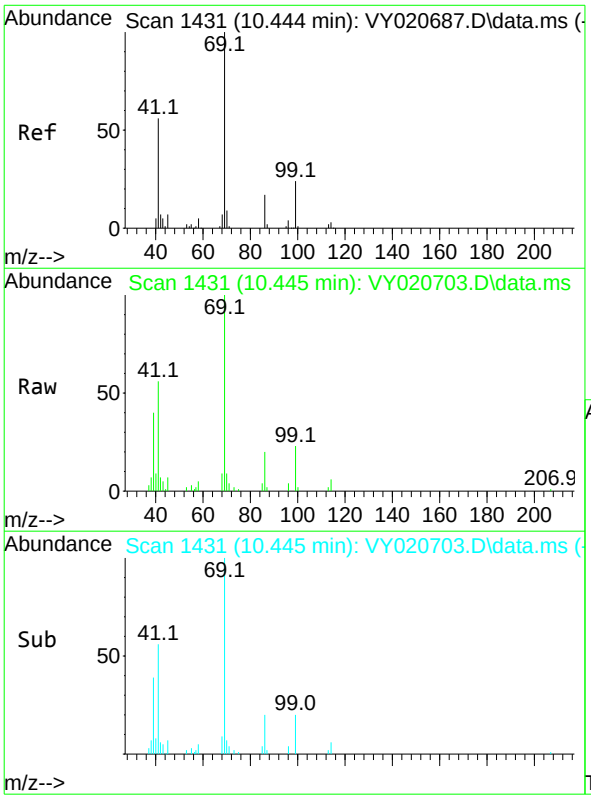
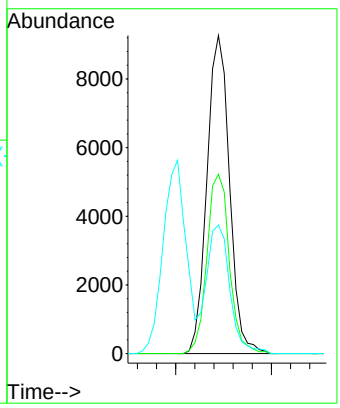
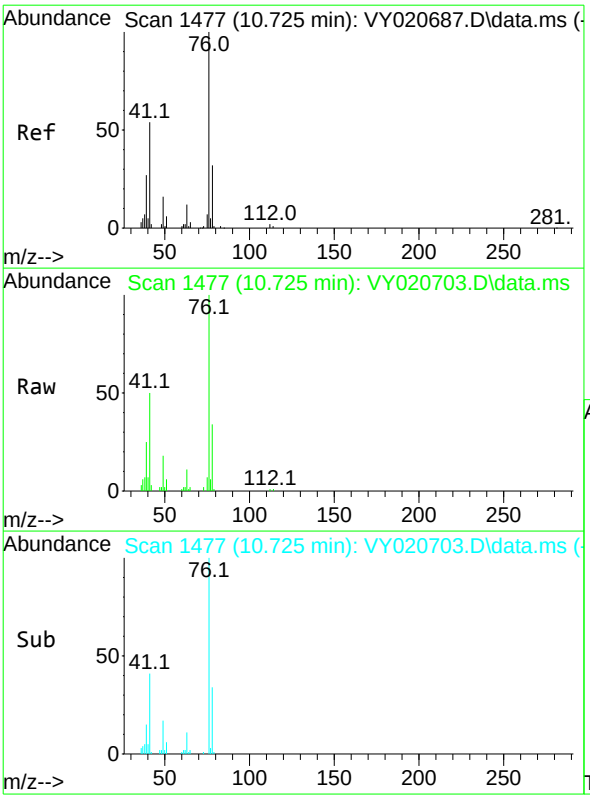


#56
Ethyl methacrylate
Concen: 21.301 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 69 Resp: 15165

Ion	Ratio	Lower	Upper
69	100		
41	56.1	43.8	65.6
39	42.5	32.0	48.0

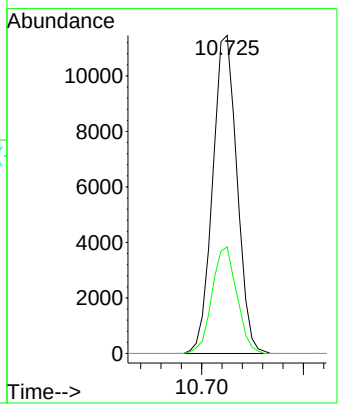




#57
1,3-Dichloropropane
Concen: 20.893 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 76 Resp: 19061

Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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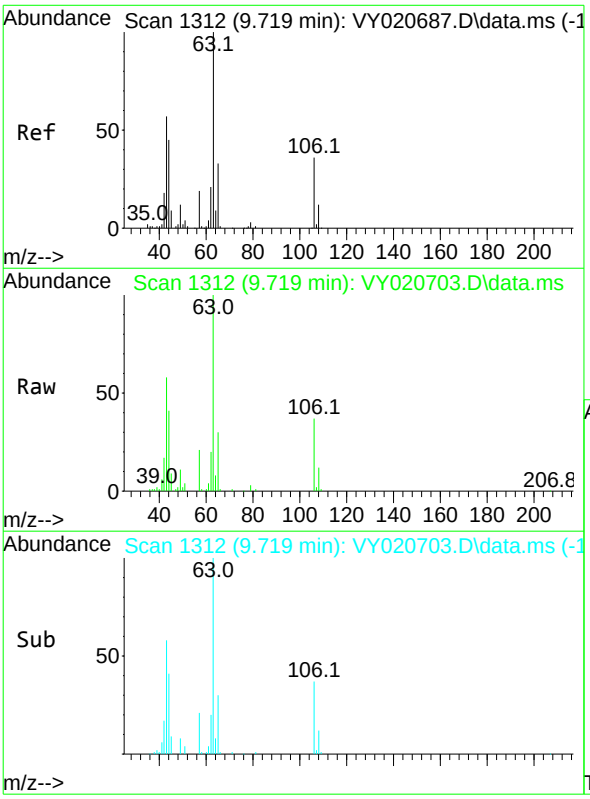
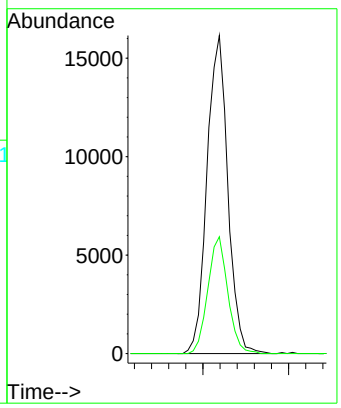
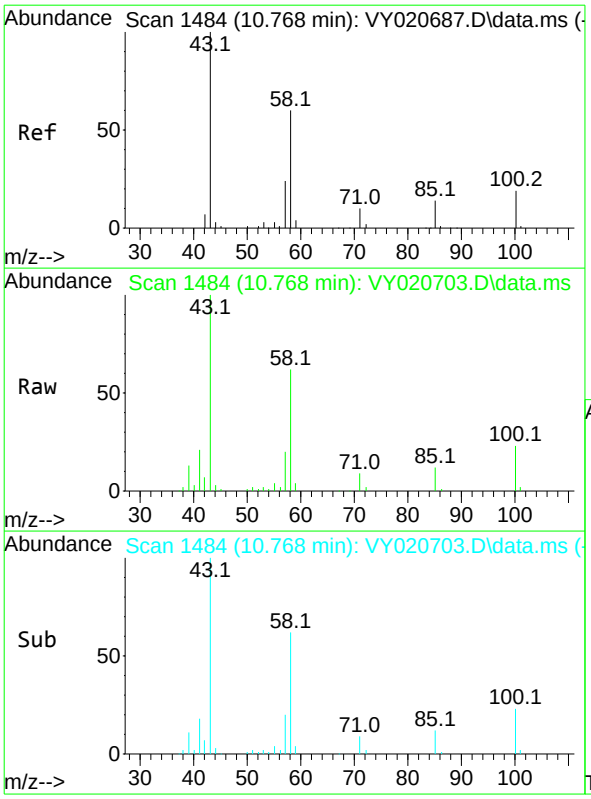


#58
2-Chloroethyl Vinyl ether
Concen: 102.437 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 63 Resp: 27253

Ion	Ratio	Lower	Upper
63	100		
106	35.3	29.1	43.7

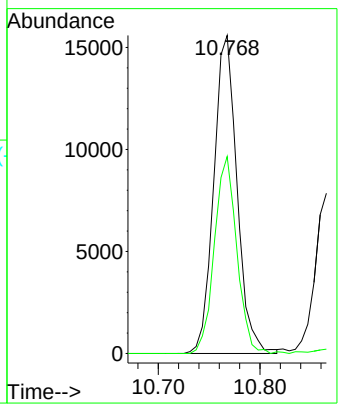




#59
2-Hexanone
Concen: 104.066 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 24776

Ion	Ratio	Lower	Upper
43	100		
58	59.6	30.1	90.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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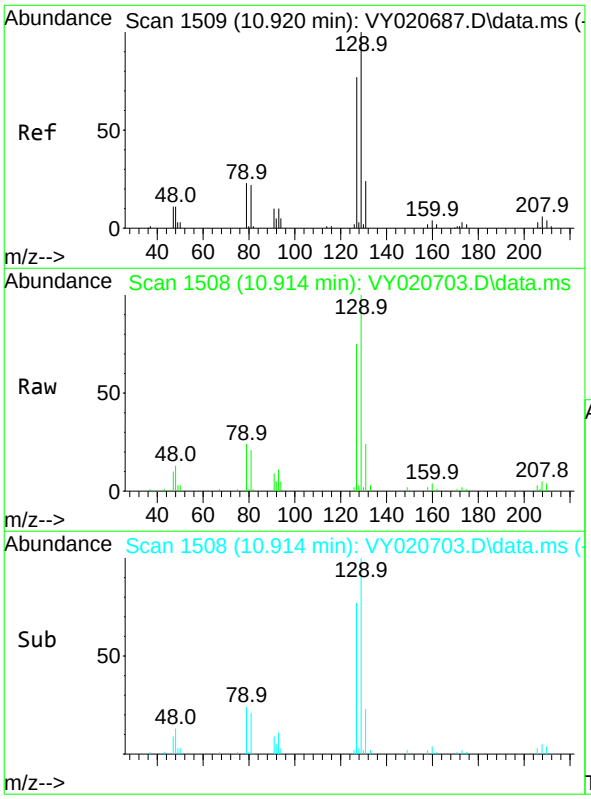
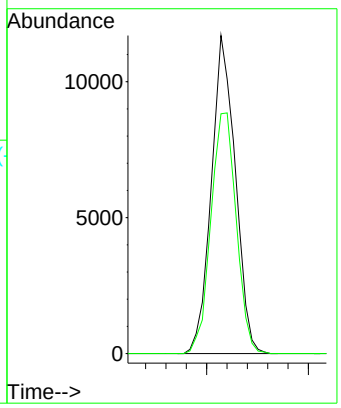
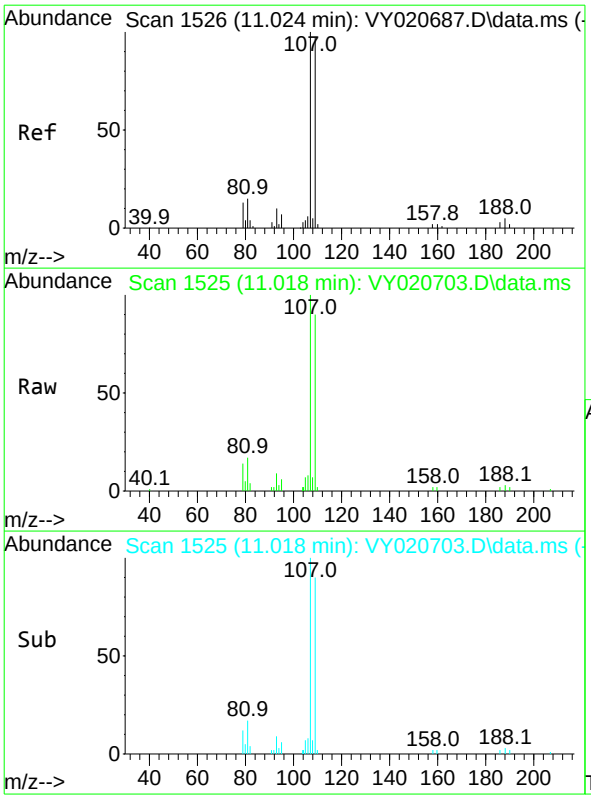


#60
Dibromochloromethane
Concen: 21.495 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:129 Resp: 19154

Ion	Ratio	Lower	Upper
129	100		
127	80.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 21.127 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:107 Resp: 11054

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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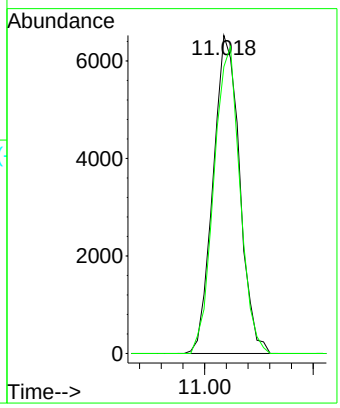
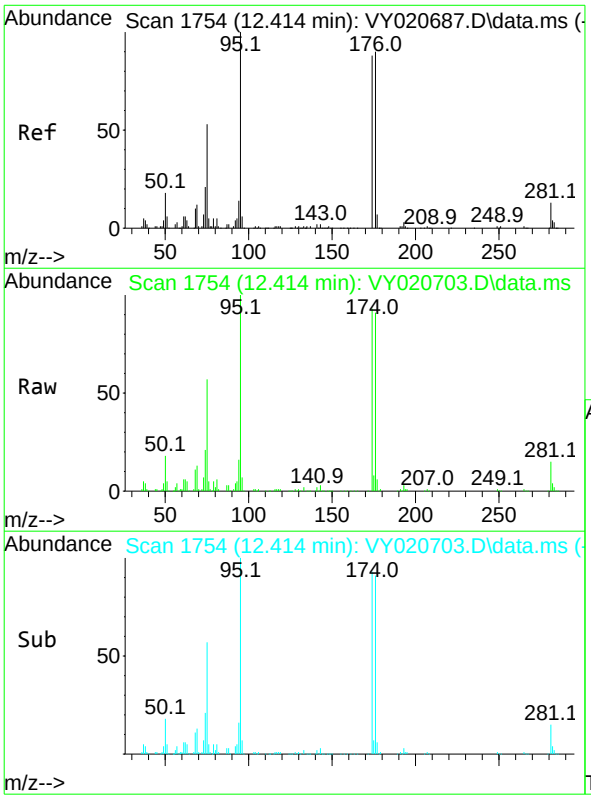
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

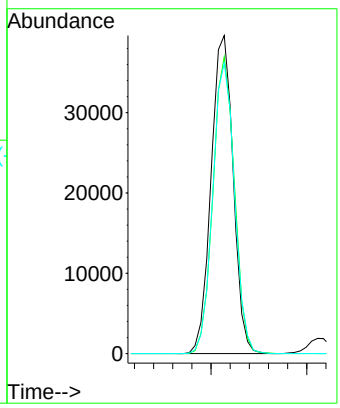


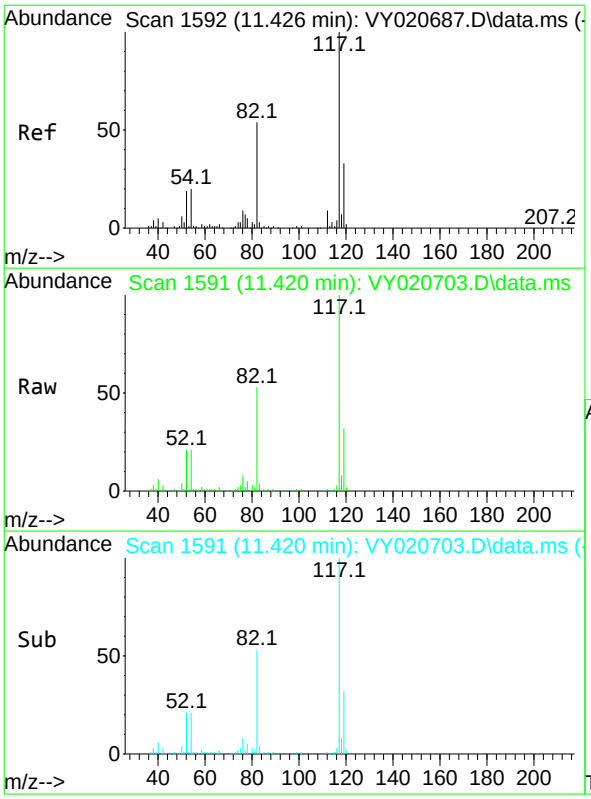


#62
4-Bromofluorobenzene
Concen: 52.934 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 95 Resp: 63417

Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.2
176	90.1	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: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:117 Resp: 131930

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.2
119	32.0	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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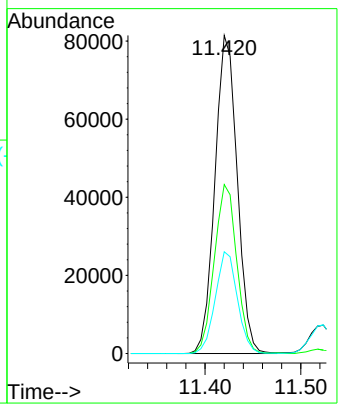
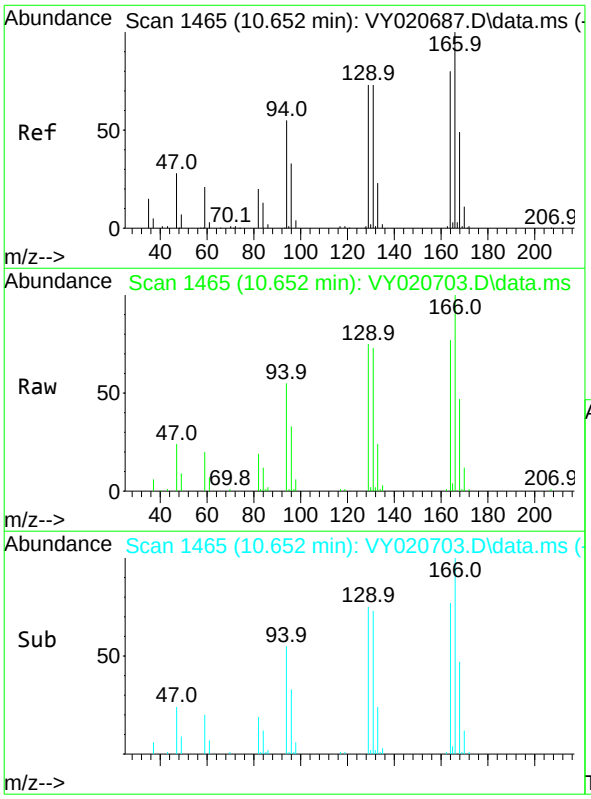
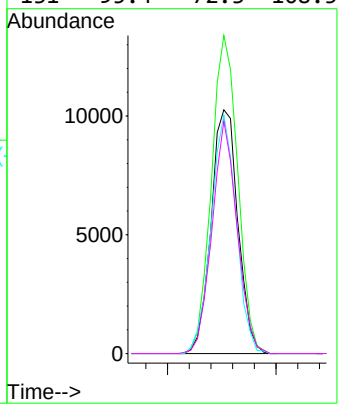


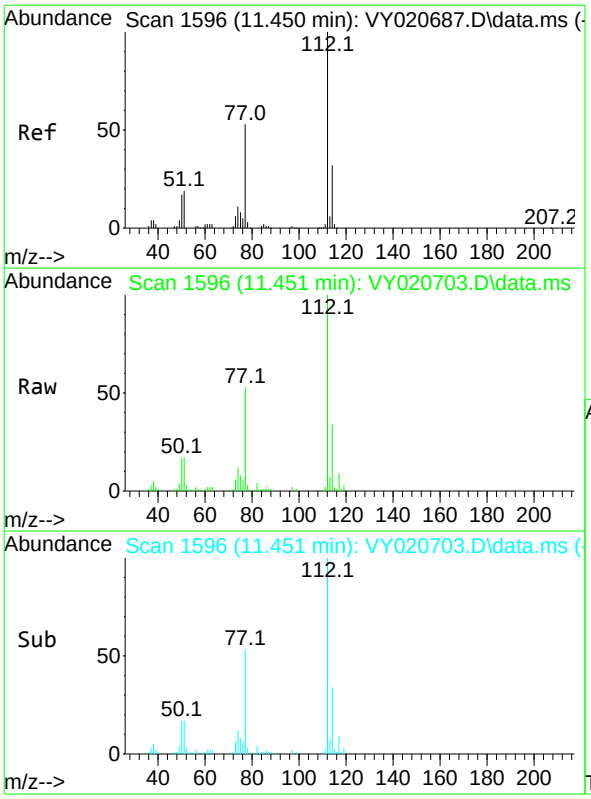


#64
Tetrachloroethene
Concen: 20.081 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:164 Resp: 17595

Ion	Ratio	Lower	Upper
164	100		
166	130.5	99.6	149.4
129	97.7	73.0	109.4
131	95.4	72.3	108.5

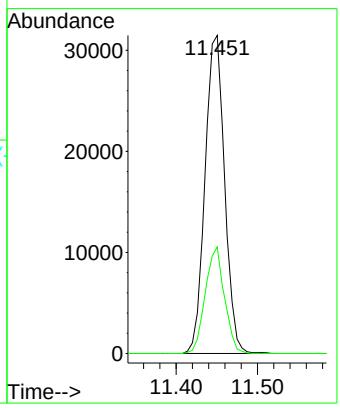




#65
Chlorobenzene
Concen: 21.338 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:112 Resp: 52606

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.0



Instrument :
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ClientSampleId :
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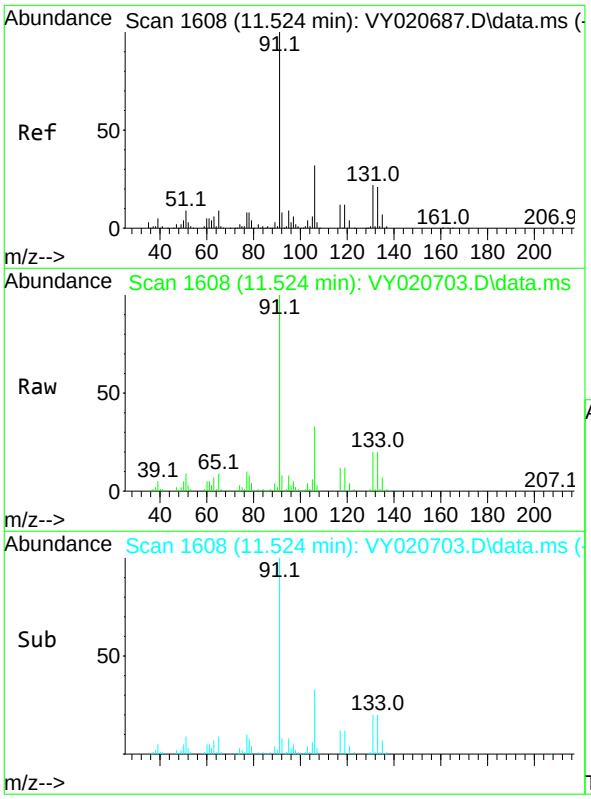
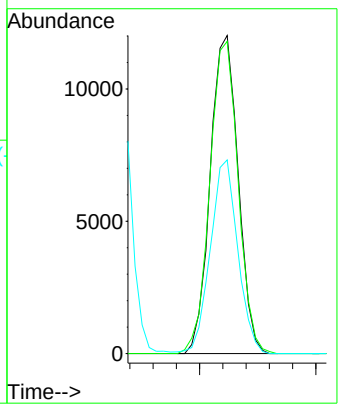
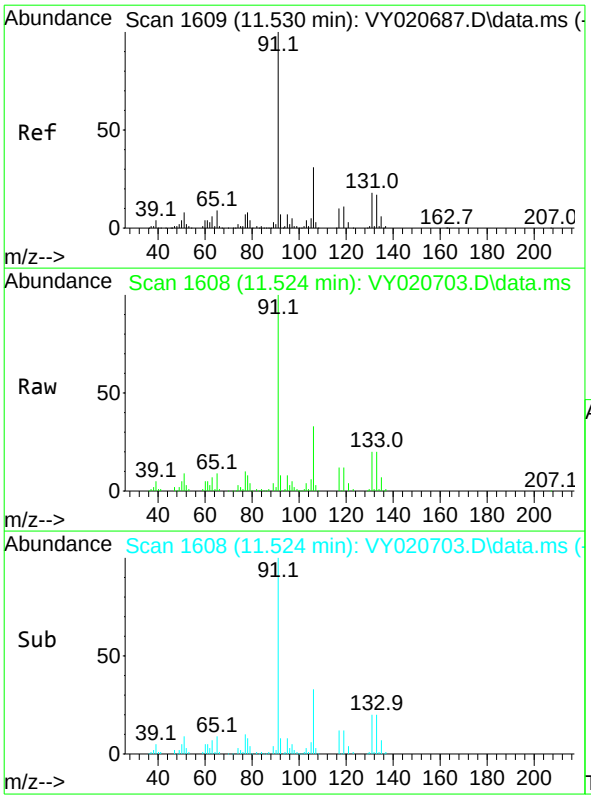


#66
1,1,1,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:131 Resp: 20004

Ion	Ratio	Lower	Upper
131	100		
133	99.8	48.6	145.9
119	60.1	28.4	85.3

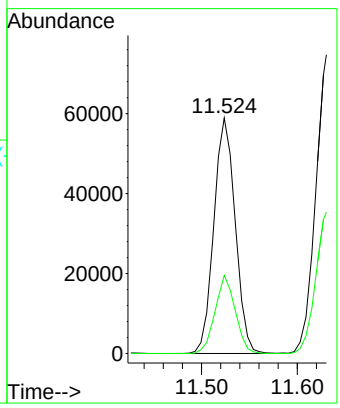




#67
Ethyl Benzene
Concen: 20.628 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 91241

Ion	Ratio	Lower	Upper
91	100		
106	33.2	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
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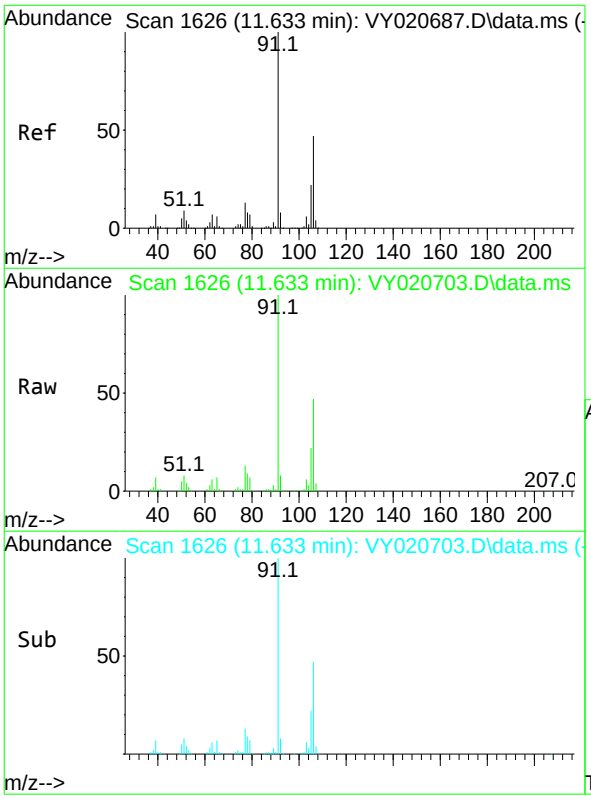
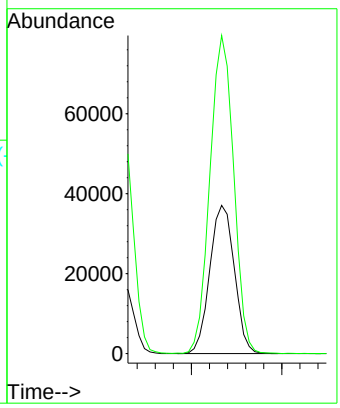
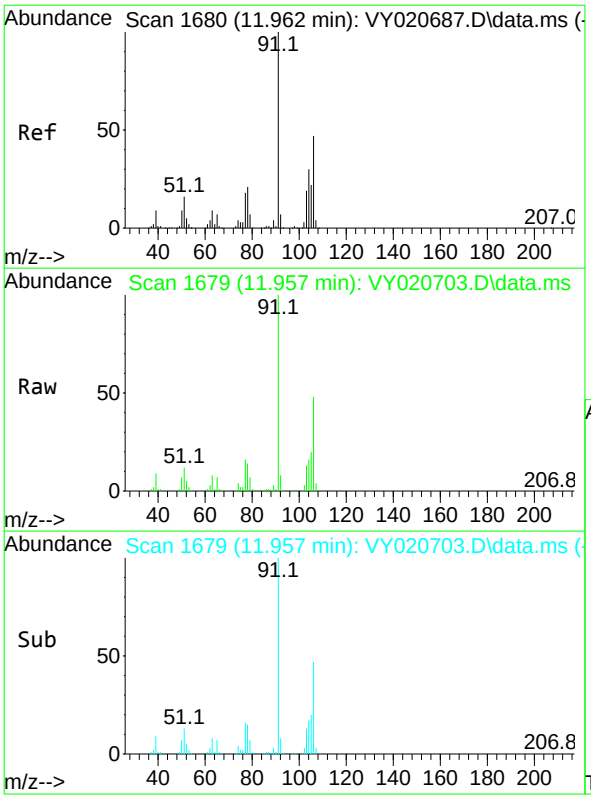


#68
m/p-Xylenes
Concen: 41.477 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:106 Resp: 69958

Ion	Ratio	Lower	Upper
106	100		
91	207.7	166.6	250.0

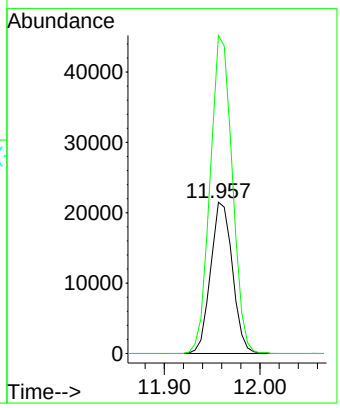




#69
o-Xylene
Concen: 21.509 ug/l
RT: 11.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:106 Resp: 34079

Ion	Ratio	Lower	Upper
106	100		
91	213.4	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
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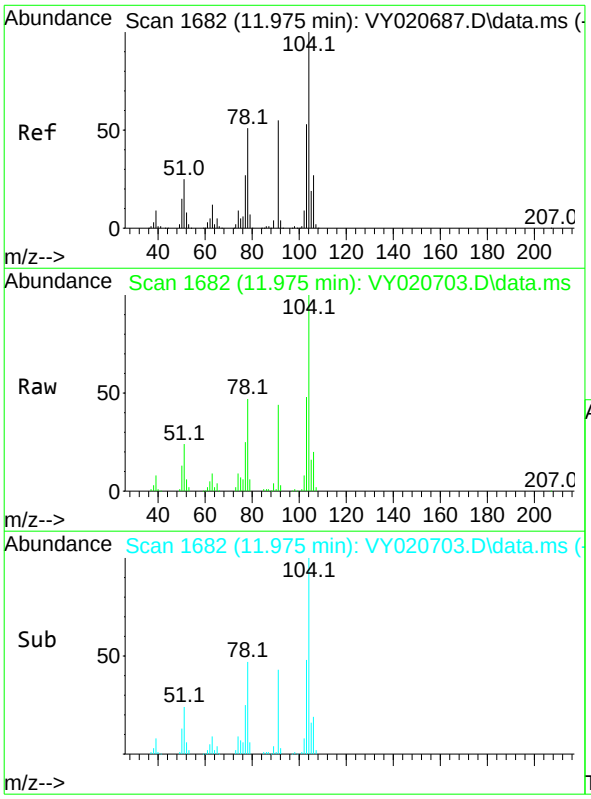
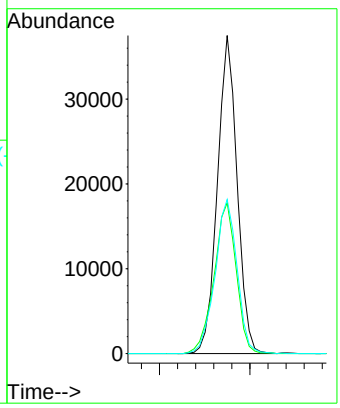
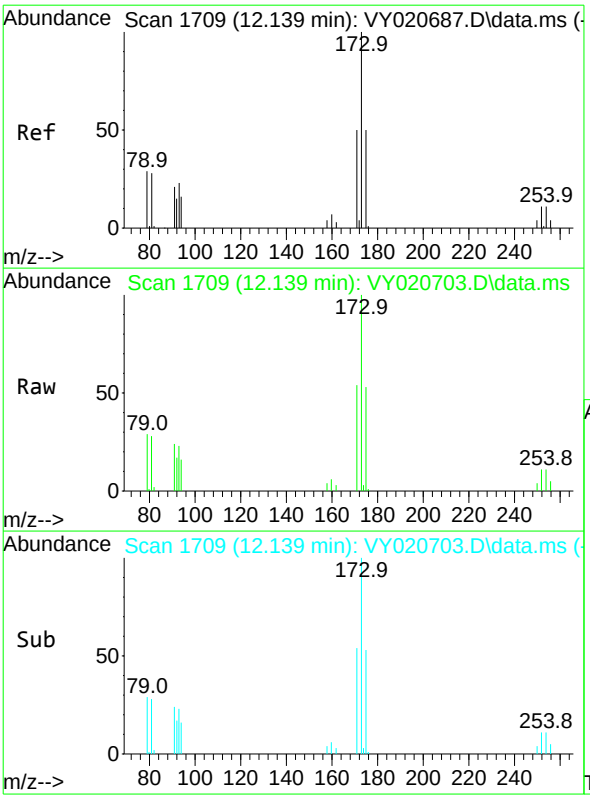


#70
Styrene
Concen: 21.300 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:104 Resp: 56763

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.0	64.4
103	54.1	44.4	66.6

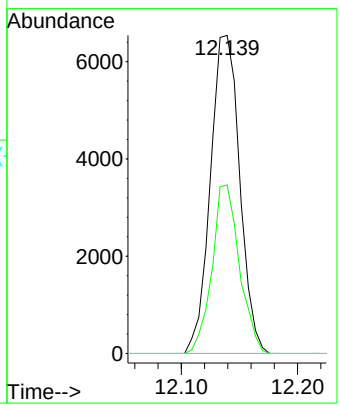




#71
Bromoform
Concen: 20.784 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:173 Resp: 11461

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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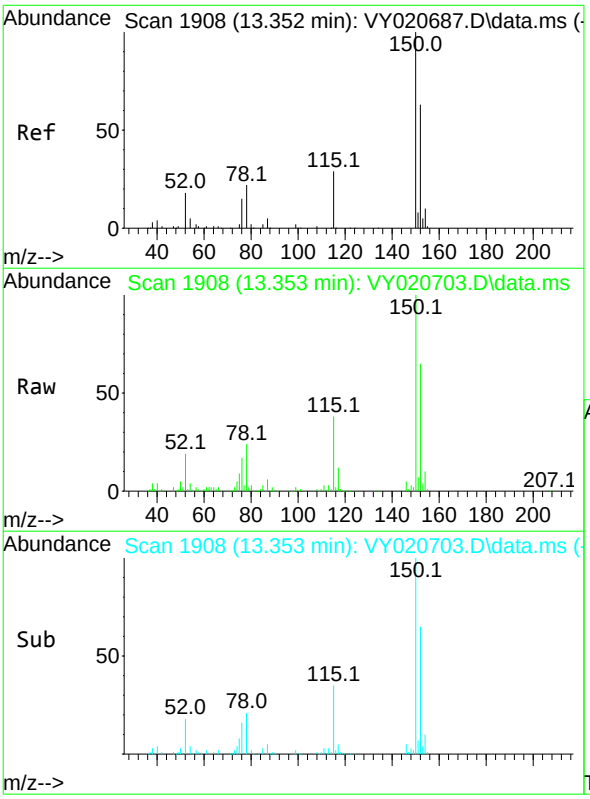
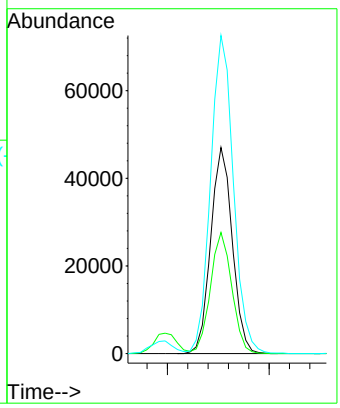
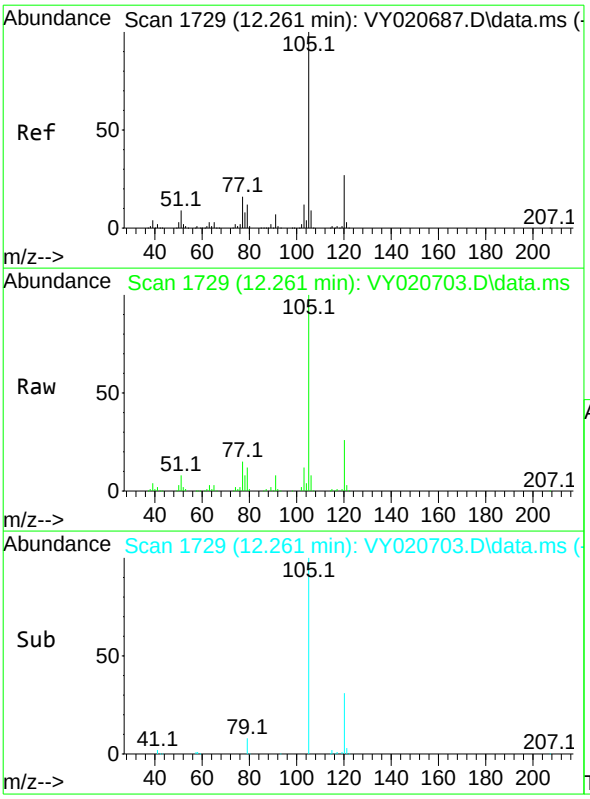


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:152 Resp: 69344

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	163.4	0.0	349.0

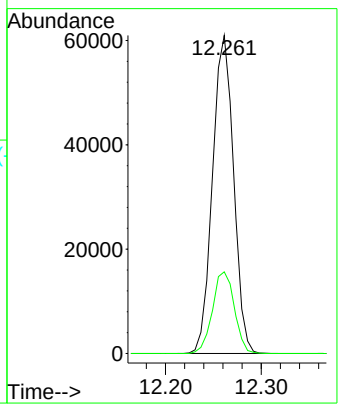




#73
Isopropylbenzene
Concen: 19.757 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 93189

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
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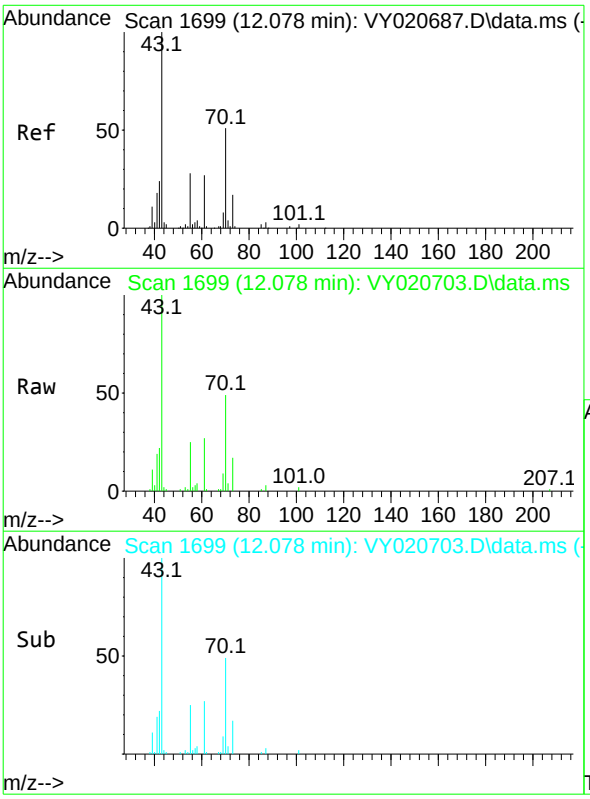
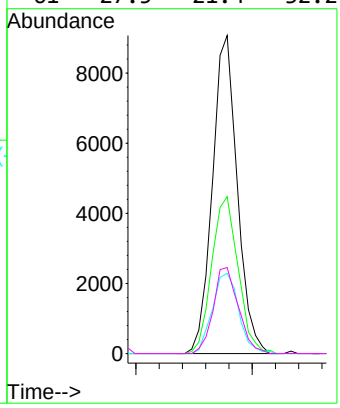
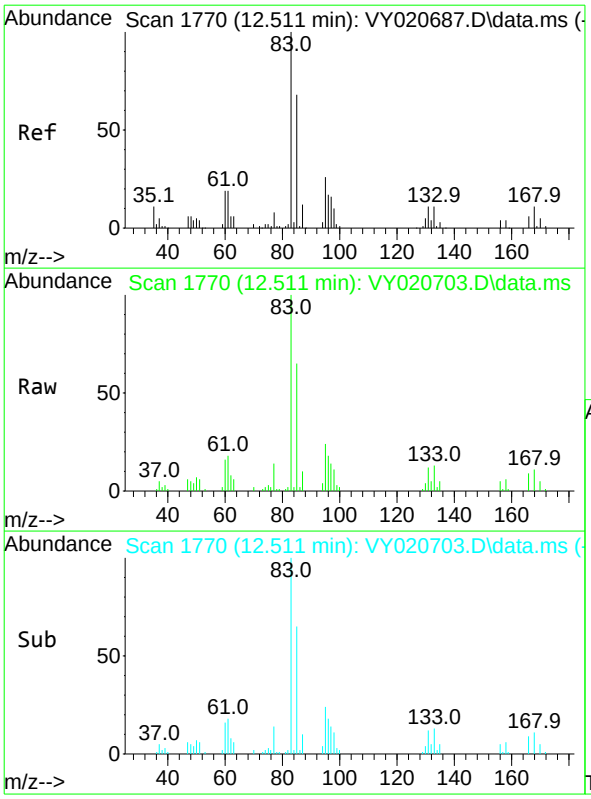


#74
N-amyl acetate
Concen: 20.358 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 13493

Ion	Ratio	Lower	Upper
43	100		
70	52.3	39.7	59.5
55	26.8	21.5	32.3
61	27.5	21.4	32.2

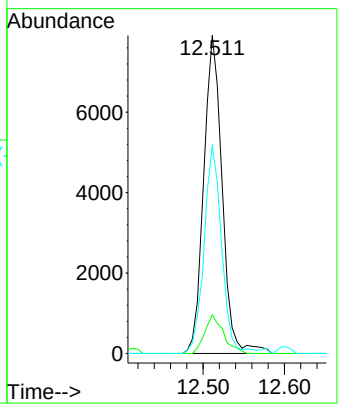




#75
1,1,2,2-Tetrachloroethane
Concen: 20.545 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 83 Resp: 12470

Ion	Ratio	Lower	Upper
83	100		
131	12.3	6.9	20.7
85	63.0	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
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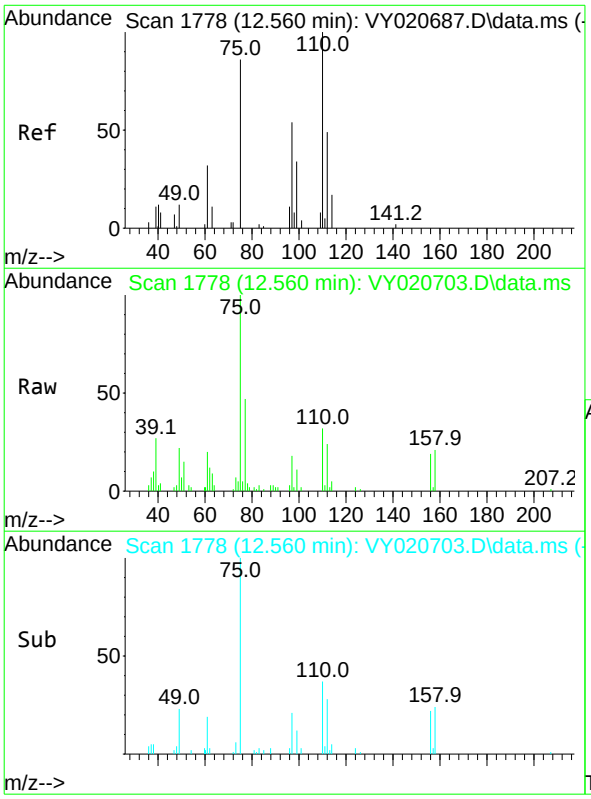
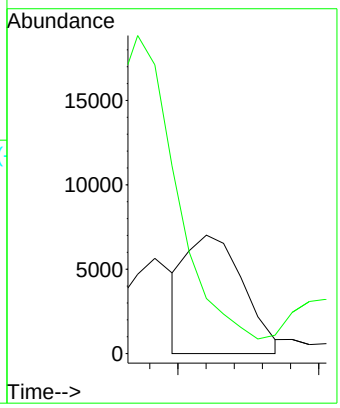
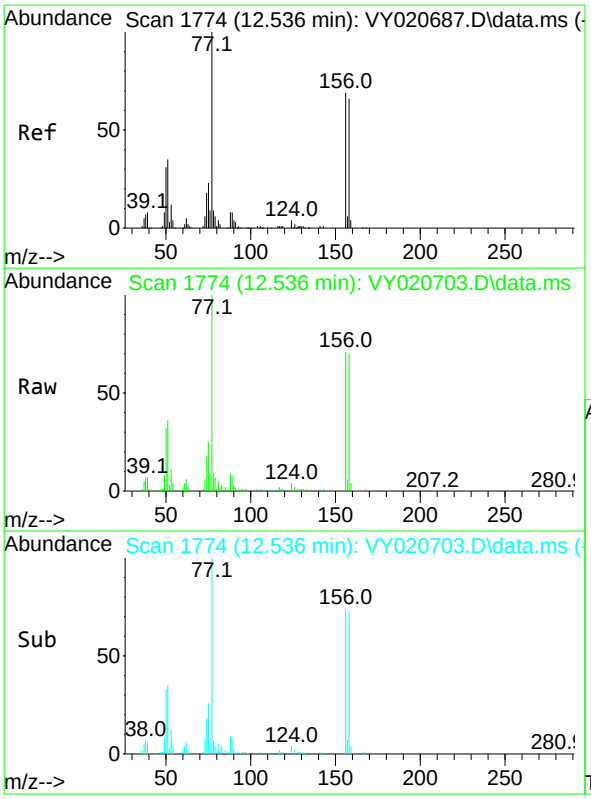


#76
1,2,3-Trichloropropane
Concen: 20.804 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 9949

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

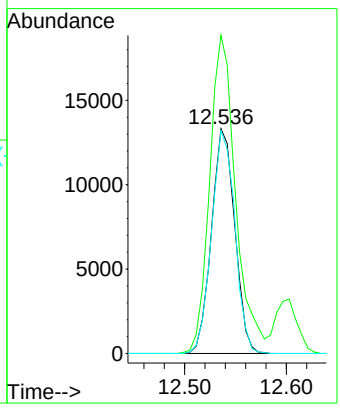




#77
Bromobenzene
Concen: 19.737 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:156 Resp: 21199

Ion	Ratio	Lower	Upper
156	100		
77	157.3	78.3	235.0
158	99.1	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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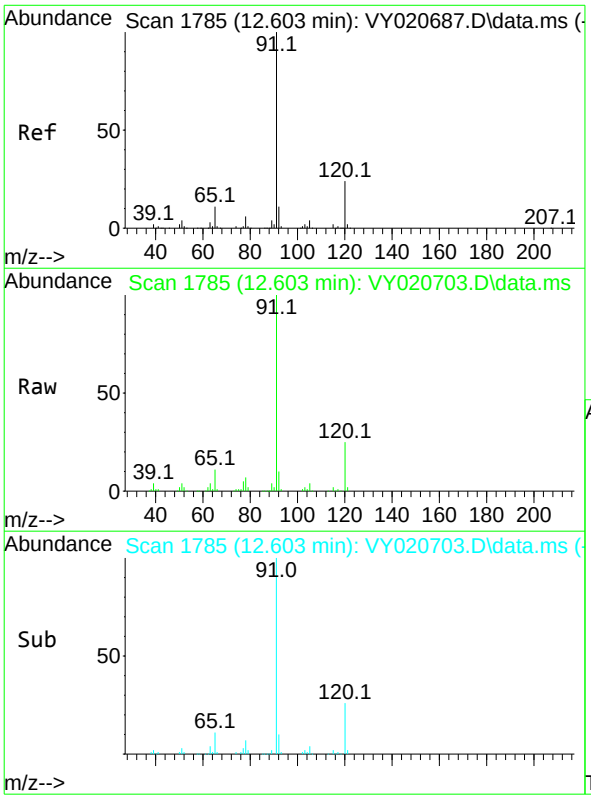
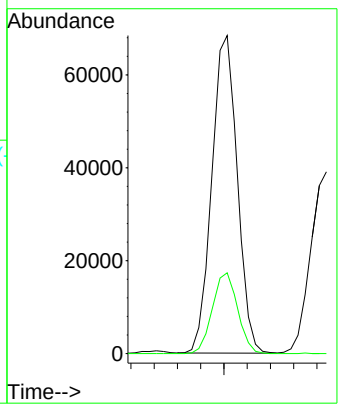
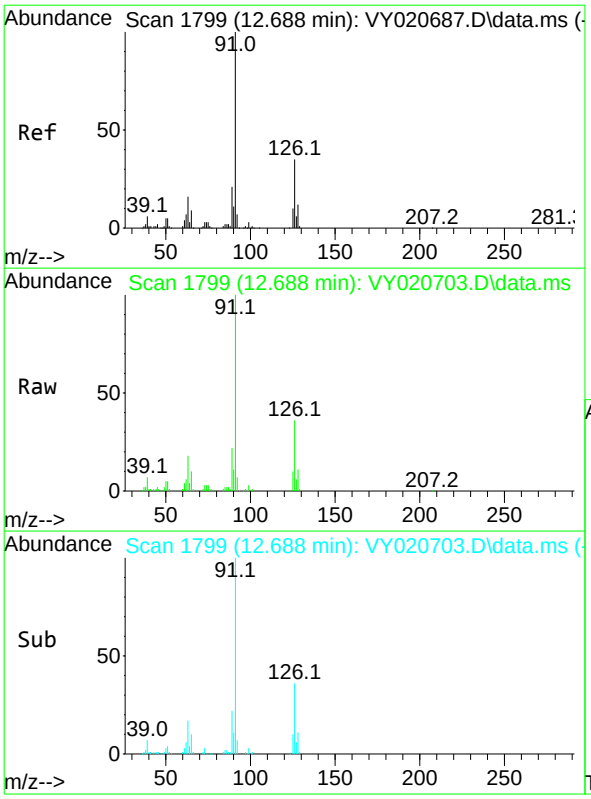


#78
n-propylbenzene
Concen: 19.548 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 103950

Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.8

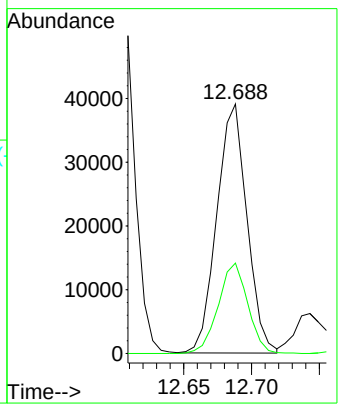




#79
2-Chlorotoluene
Concen: 19.932 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 60340

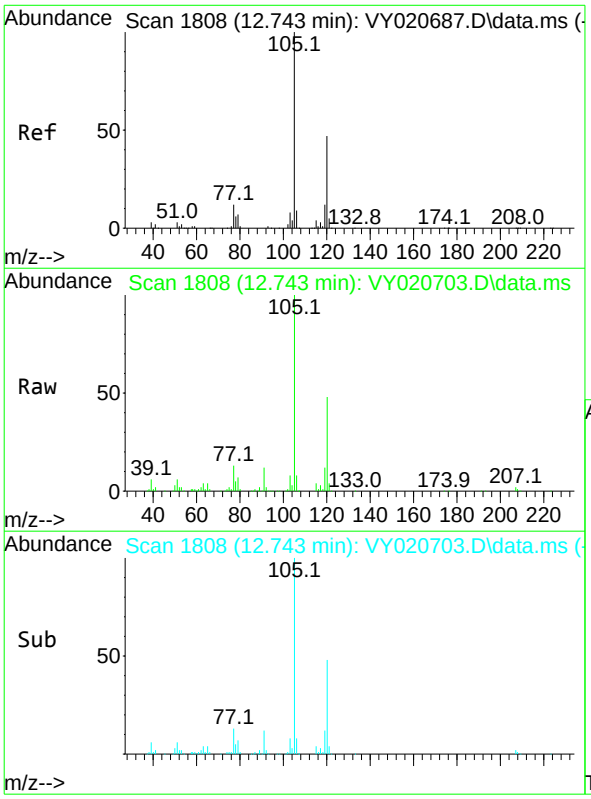
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations
APPROVED

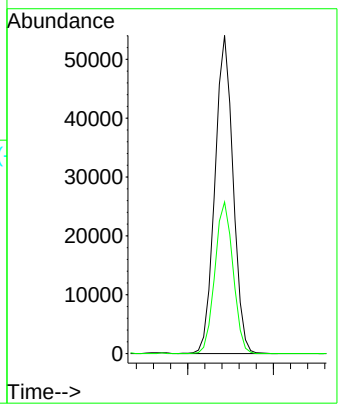
Reviewed By :Semsettin Yesilyurt 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

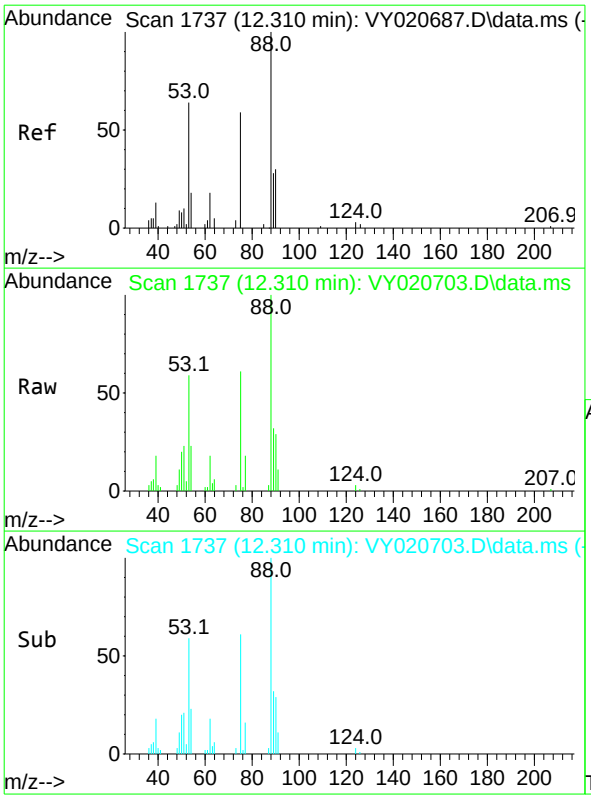


#80
1,3,5-Trimethylbenzene
Concen: 20.379 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 79726

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7

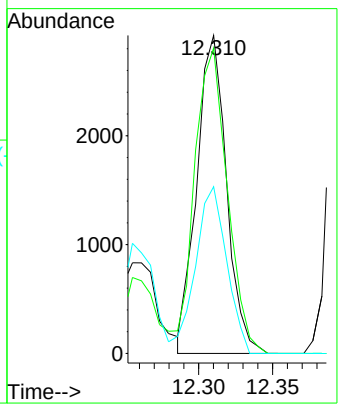




#81
trans-1,4-Dichloro-2-butene
Concen: 18.628 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 4098

Ion	Ratio	Lower	Upper
75	100		
53	105.6	83.1	124.7
89	54.9	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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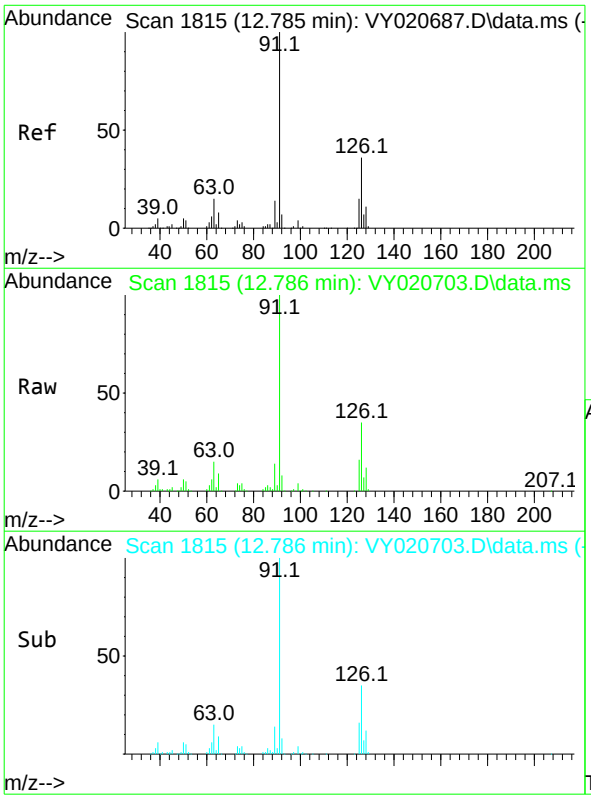
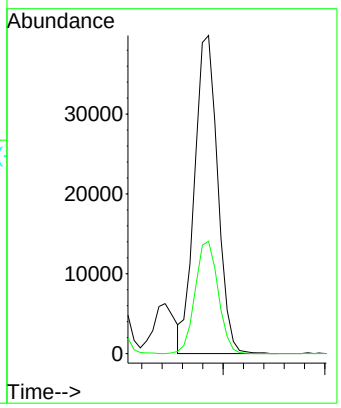
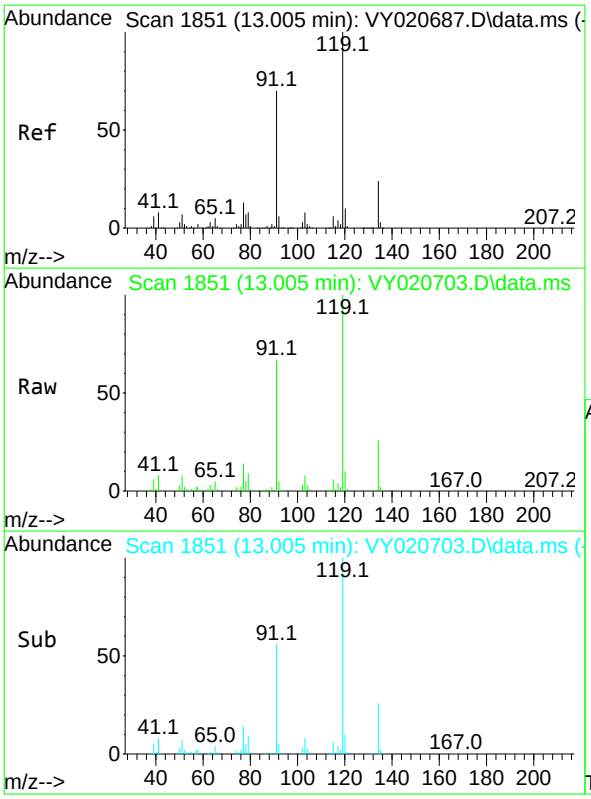


#82
4-Chlorotoluene
Concen: 20.303 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 62684

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5

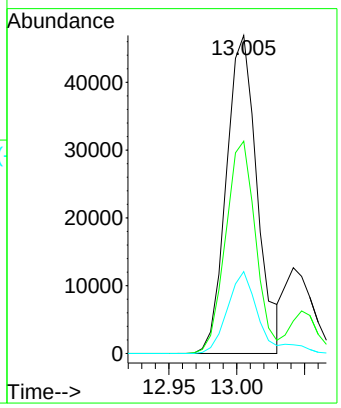




#83
tert-Butylbenzene
Concen: 20.332 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:119 Resp: 74013

Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.6	100.8
134	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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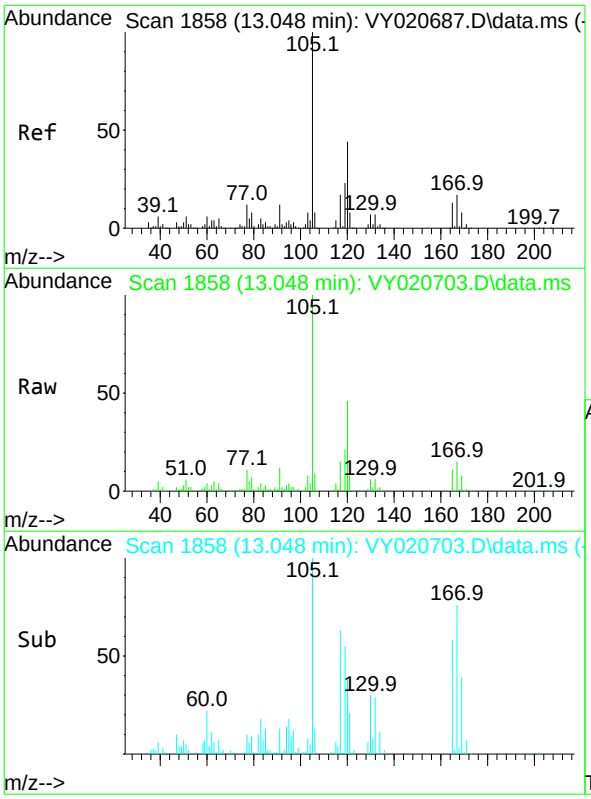
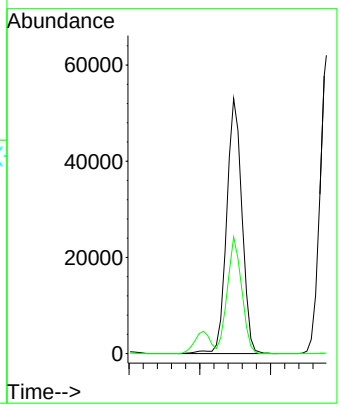
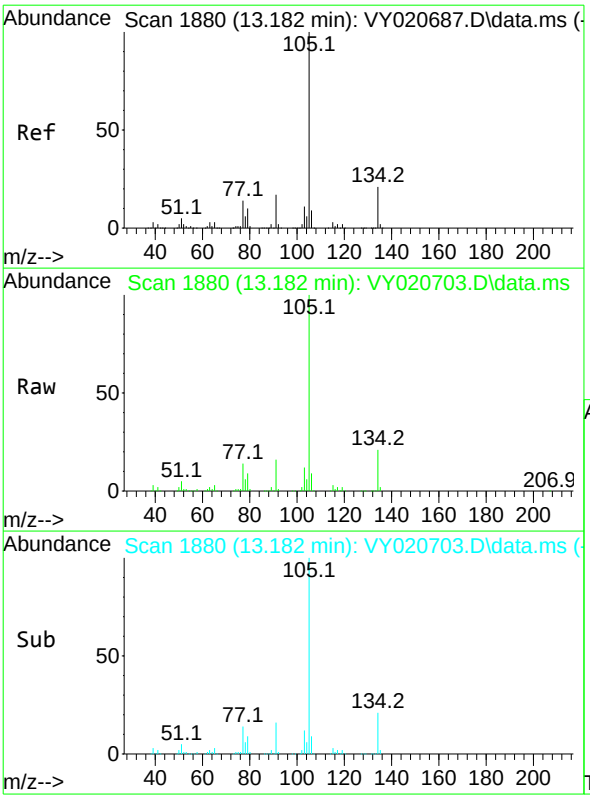


#84
1,2,4-Trimethylbenzene
Concen: 20.842 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 79650

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.8	65.3

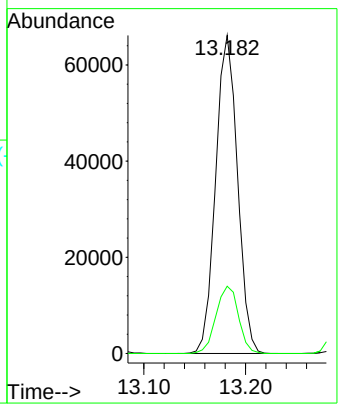




#85
sec-Butylbenzene
Concen: 20.123 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 98630

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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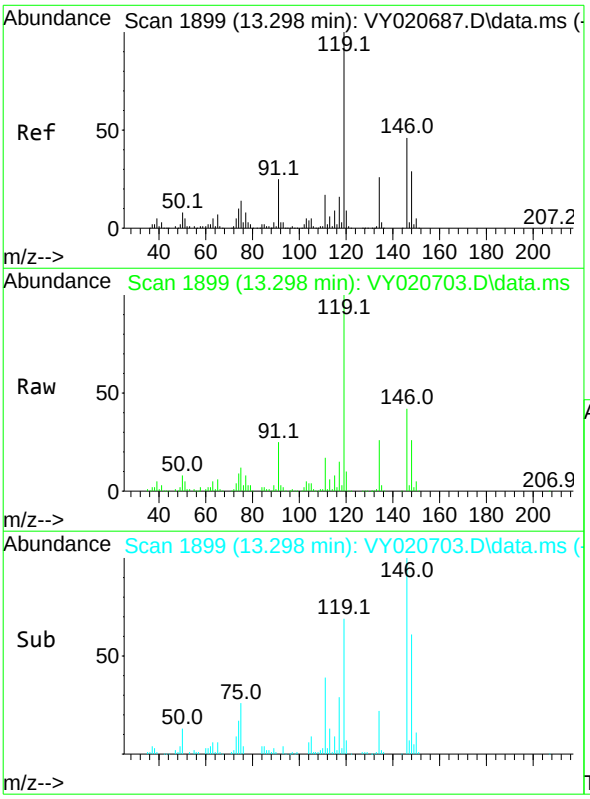
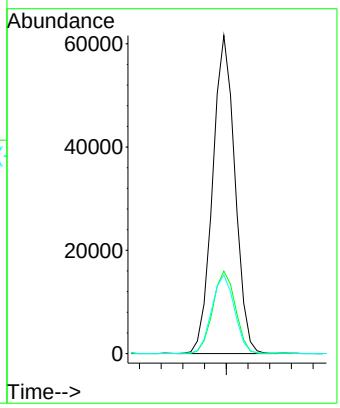
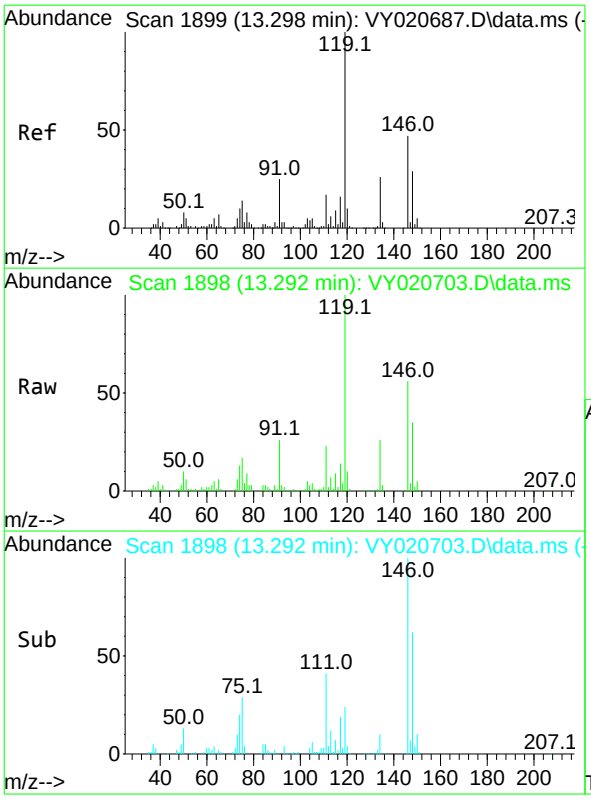


#86
p-Isopropyltoluene
Concen: 20.575 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:119 Resp: 88167

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.3	12.9	38.6

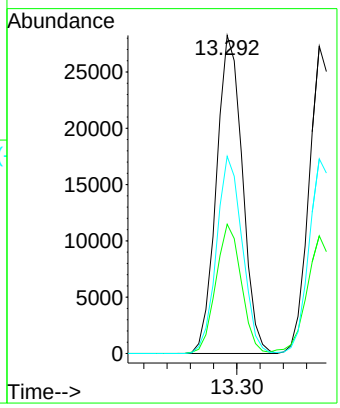




#87
1,3-Dichlorobenzene
Concen: 21.023 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:146 Resp: 43865

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.8
148	61.4	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

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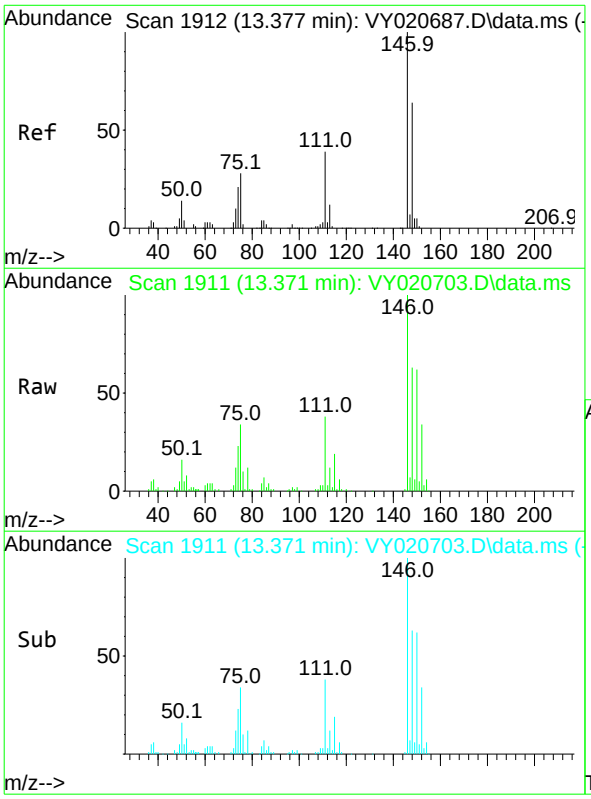
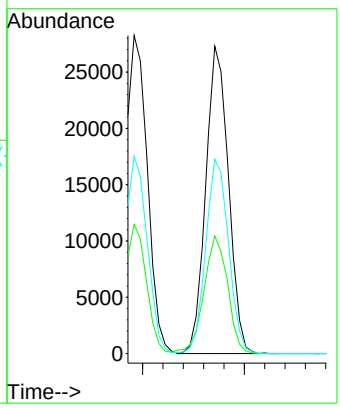
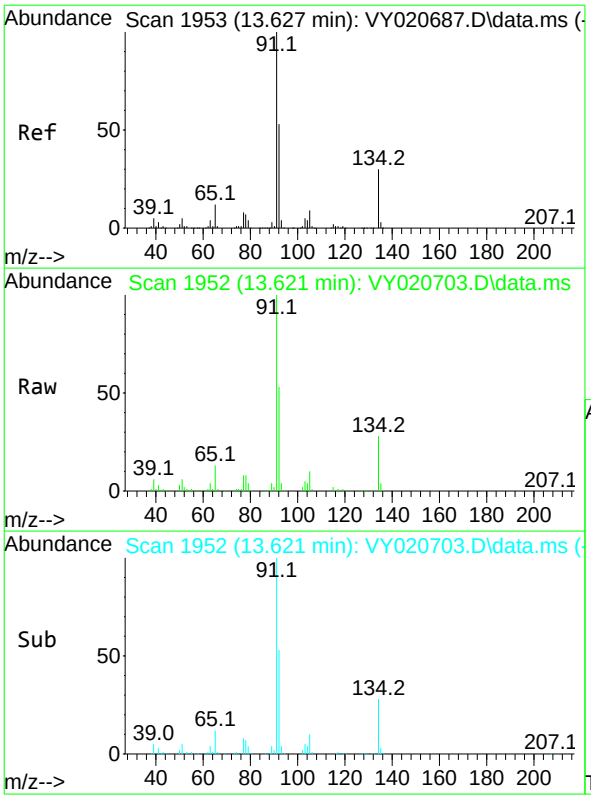


#88
1,4-Dichlorobenzene
Concen: 20.707 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:146 Resp: 42330

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	63.7	32.8	98.3

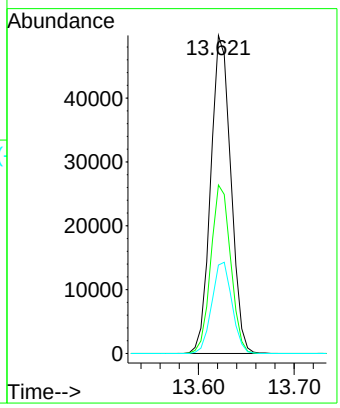




#89
n-Butylbenzene
Concen: 20.171 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 72816

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	28.7	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/26/2024
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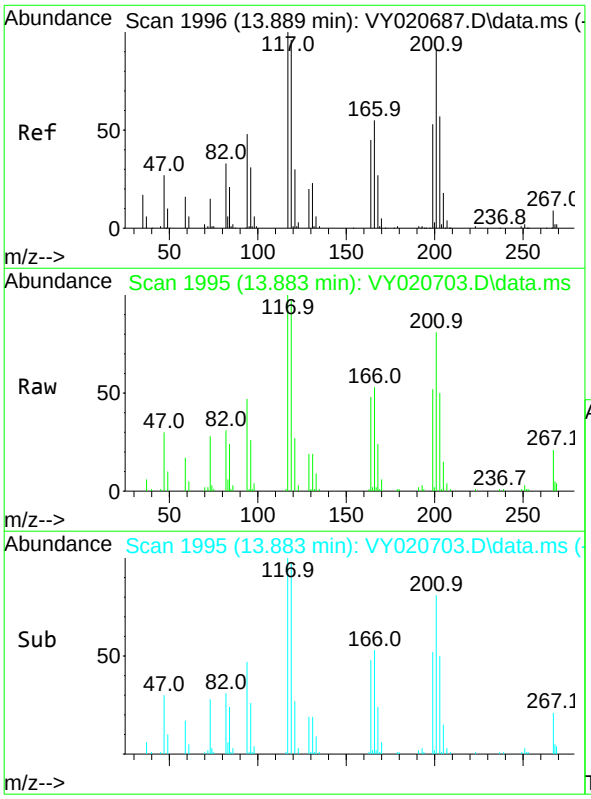
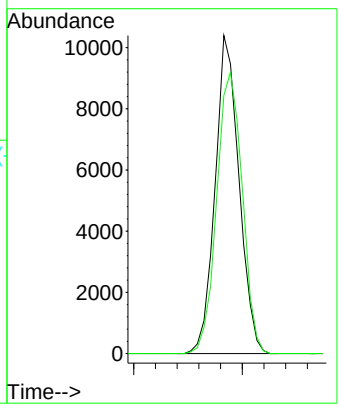
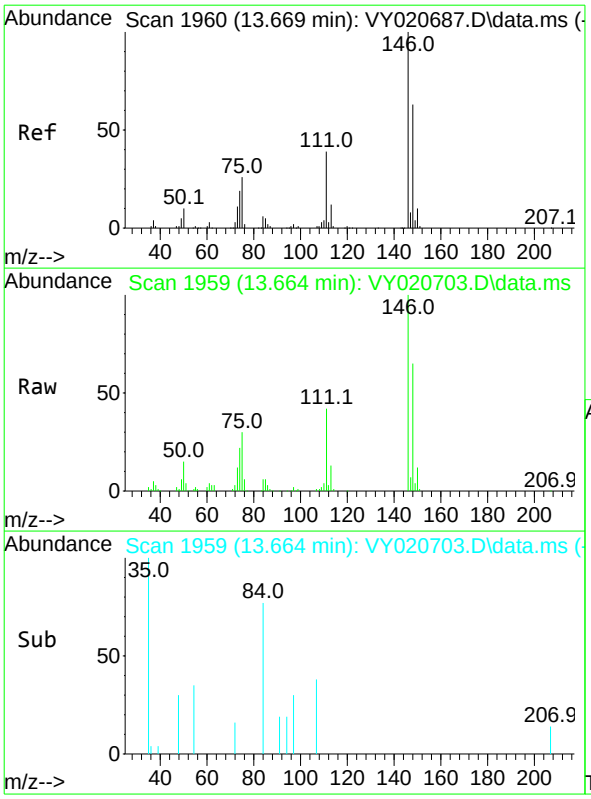


#90
Hexachloroethane
Concen: 19.561 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:117 Resp: 15902

Ion	Ratio	Lower	Upper
117	100		
201	94.8	44.9	134.7

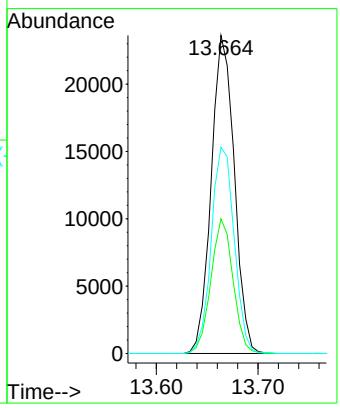




#91
1,2-Dichlorobenzene
Concen: 20.807 ug/l
RT: 13.664 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:146 Resp: 37259

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.6	31.9	95.5



Instrument :
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ClientSampleId :
VY1223SBSD01

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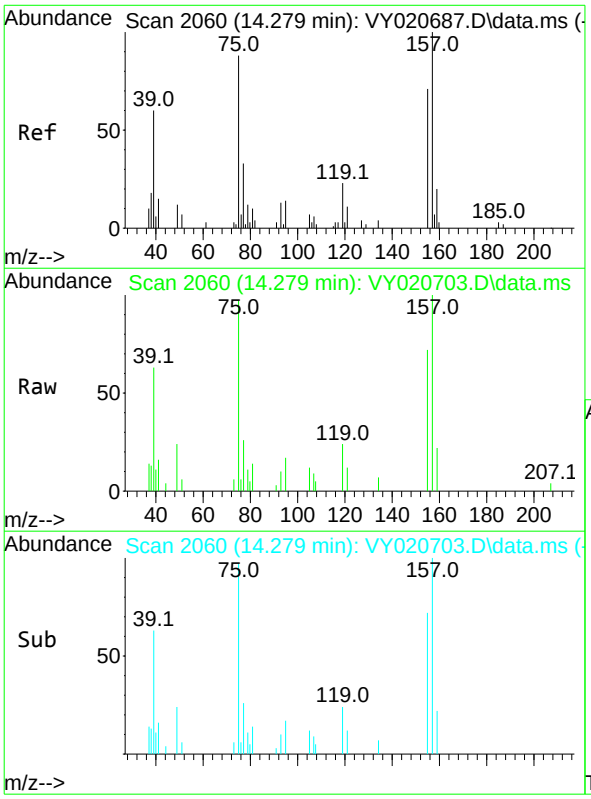
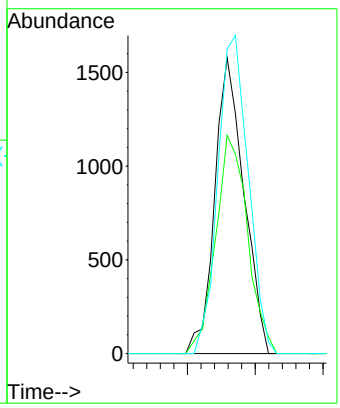
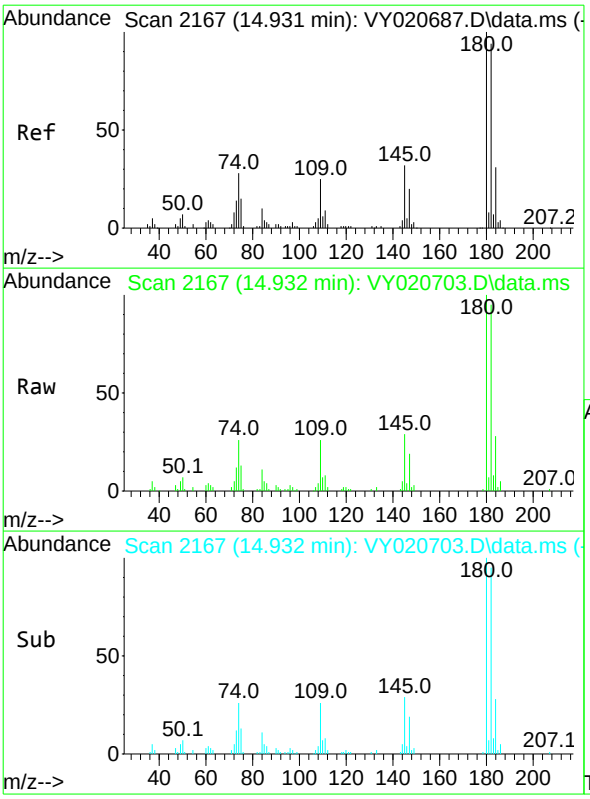


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.414 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 2361

Ion	Ratio	Lower	Upper
75	100		
155	80.4	43.4	130.2
157	112.2	58.6	175.7

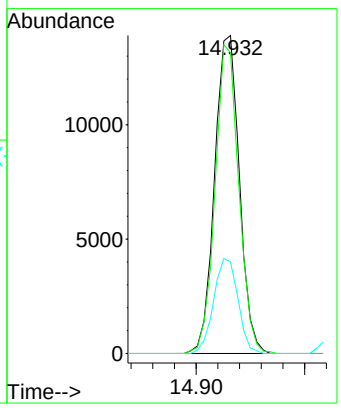




#93
1,2,4-Trichlorobenzene
Concen: 20.661 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:180 Resp: 21965

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.9	143.7
145	29.4	15.6	46.8



Instrument :
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ClientSampleId :
VY1223SBSD01

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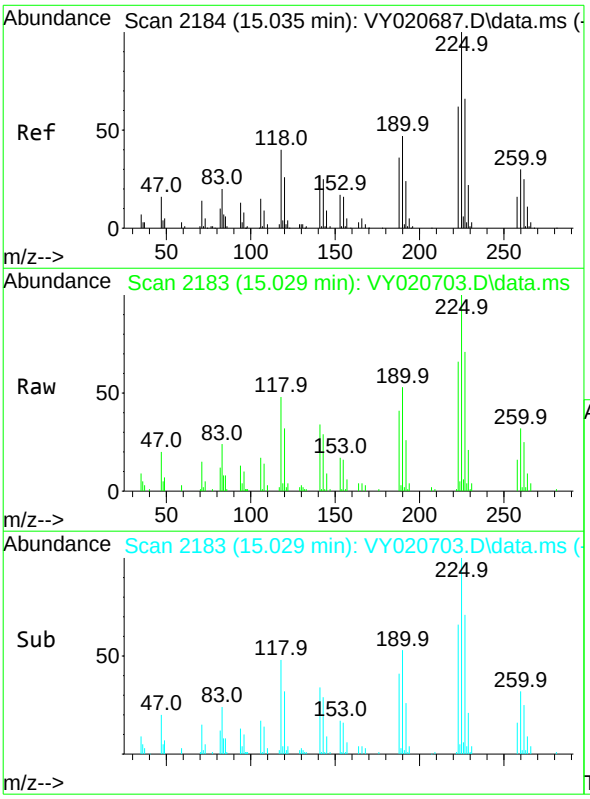
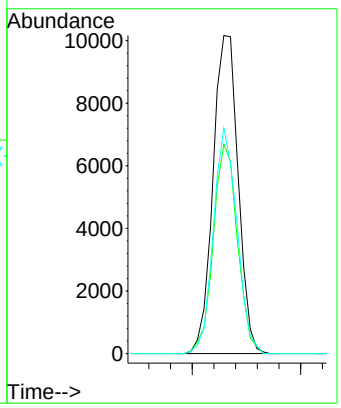
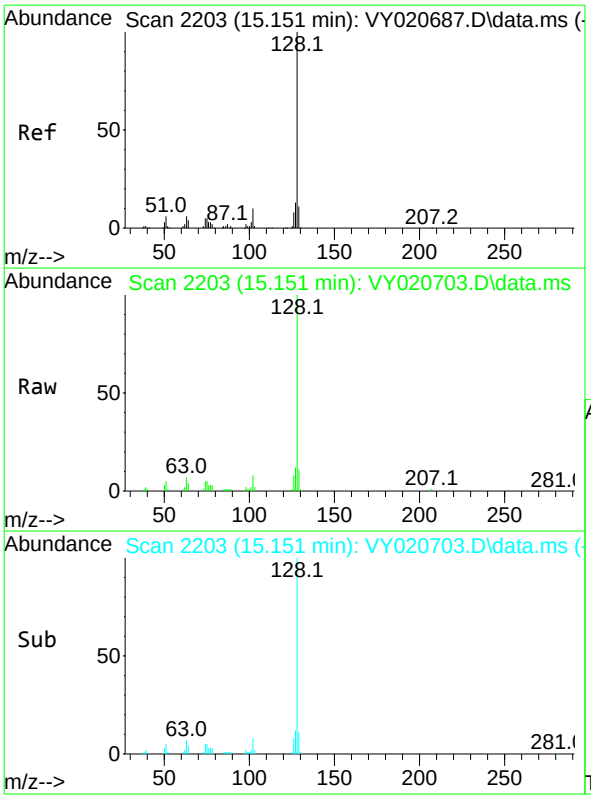


#94
Hexachlorobutadiene
Concen: 20.697 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:225 Resp: 16383

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	66.3	32.1	96.5





#95
Naphthalene
Concen: 19.827 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:128 Resp: 34561

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.6	8.6	12.8

Instrument :
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ClientSampleId :
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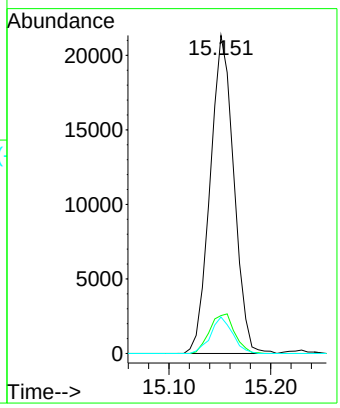
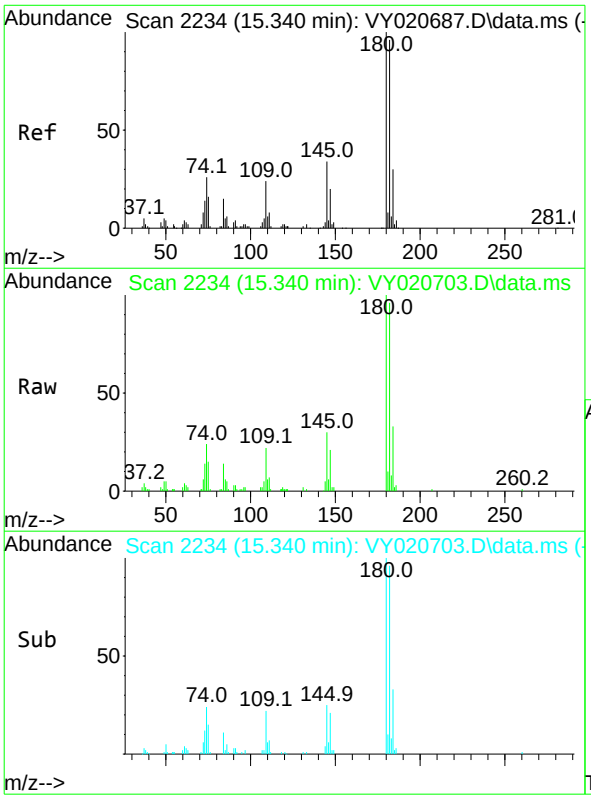
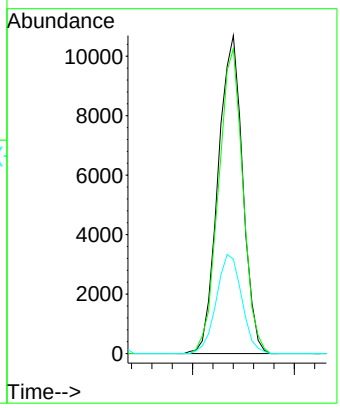




#96
1,2,3-Trichlorobenzene
Concen: 20.184 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:180 Resp: 17939

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	32.3	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:	VY121824	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY020623.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:44 AM	SAM	12/19/2024 2:49:07 PM	Peak Integrated by Software
VSTDCCC050	VY020624.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:47 AM	SAM	12/19/2024 2:49:08 PM	Peak Integrated by Software
VY1218SBS01	VY020626.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:51 AM	SAM	12/19/2024 2:49:10 PM	Peak Integrated by Software
VSTDCCC050	VY020643.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:40 AM	SAM	12/19/2024 2:49:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY121924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020645.D	1,2,3-Trichloropropane	MMDadoda	12/20/2024 10:52:39 AM	SAM	12/20/2024 10:57:13 AM	Peak Integrated by Software
VY1219SBS01	VY020647.D	1,2,3-Trichloropropane	MMDadoda	12/20/2024 10:52:40 AM	SAM	12/20/2024 10:57:14 AM	Peak Integrated by Software
VSTDCCC050	VY020662.D	1,2,3-Trichloropropane	MMDadoda	12/20/2024 10:52:46 AM	SAM	12/20/2024 10:57:18 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
VY1220SBSD01	VY020667.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:25:21 AM	MMDadoda	12/24/2024 12:28:32 AM	Peak Integrated by Software
VY1220SBSD01	VY020667.D	Methacrylonitrile	SAM	12/23/2024 7:25:21 AM	MMDadoda	12/24/2024 12:28:32 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

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Manual Integration Report

Sequence:	VY122324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020684.D	1,2,3-Trichloropropane	SAM	12/24/2024 11:17:27 AM	MMDadoda	12/26/2024 12:32:07 PM	Peak Integrated by Software
VSTDICC005	VY020684.D	Tert butyl alcohol	SAM	12/24/2024 11:17:27 AM	MMDadoda	12/26/2024 12:32:07 PM	Peak Integrated by Software
VSTDICC010	VY020685.D	1,2,3-Trichloropropane	SAM	12/26/2024 11:10:34 AM	MMDadoda	12/26/2024 12:32:09 PM	Peak Integrated by Software
VSTDICC010	VY020685.D	Ethyl Acetate	SAM	12/26/2024 11:10:34 AM	MMDadoda	12/26/2024 12:32:09 PM	Peak Integrated by Software
VSTDICC010	VY020685.D	Methacrylonitrile	SAM	12/26/2024 11:10:34 AM	MMDadoda	12/26/2024 12:32:09 PM	Peak Integrated by Software
VSTDICC010	VY020685.D	Tert butyl alcohol	SAM	12/26/2024 11:10:34 AM	MMDadoda	12/26/2024 12:32:09 PM	Peak Integrated by Software
VSTDICC020	VY020686.D	1,2,3-Trichloropropane	SAM	12/24/2024 11:18:58 AM	MMDadoda	12/26/2024 12:32:11 PM	Peak Integrated by Software
VSTDICC020	VY020686.D	Methacrylonitrile	SAM	12/24/2024 11:18:58 AM	MMDadoda	12/26/2024 12:32:11 PM	Peak Integrated by Software
VSTDICCC050	VY020687.D	1,2,3-Trichloropropane	SAM	12/24/2024 11:17:38 AM	MMDadoda	12/26/2024 12:32:13 PM	Peak Integrated by Software
VSTDICC100	VY020688.D	1,2,3-Trichloropropane	SAM	12/24/2024 11:19:03 AM	MMDadoda	12/26/2024 12:32:27 PM	Peak Integrated by Software
VSTDICC150	VY020689.D	1,2,3-Trichloropropane	SAM	12/24/2024 11:17:42 AM	MMDadoda	12/26/2024 12:32:28 PM	Peak Integrated by Software
VSTDICV050	VY020691.D	1,2,3-Trichloropropane	SAM	12/26/2024 11:10:38 AM	MMDadoda	12/26/2024 12:32:30 PM	Peak Integrated by Software
VY1223SBS01	VY020693.D	1,2,3-Trichloropropane	SAM	12/26/2024 11:10:44 AM	MMDadoda	12/26/2024 12:32:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY122324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VY1223SBS01	VY020693.D	Methacrylonitrile	SAM	12/26/2024 11:10:44 AM	MMDadoda	12/26/2024 12:32:39 PM	Peak Integrated by Software
VY1223SBSD01	VY020703.D	1,2,3-Trichloropropane	SAM	12/26/2024 11:10:51 AM	MMDadoda	12/26/2024 12:32:55 PM	Peak Integrated by Software
VSTDCCC050	VY020704.D	1,2,3-Trichloropropane	SAM	12/26/2024 11:27:10 AM	MMDadoda	12/26/2024 12:32:57 PM	Peak Integrated by Software

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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	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	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
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	VY020622.D	18 Dec 2024 08:46	SY/MD	Ok
2	VSTDICV050	VY020623.D	18 Dec 2024 09:43	SY/MD	Ok,M
3	VSTDCCC050	VY020624.D	18 Dec 2024 10:06	SY/MD	Ok,M
4	VY1218SBL01	VY020625.D	18 Dec 2024 10:52	SY/MD	Ok
5	VY1218SBS01	VY020626.D	18 Dec 2024 11:19	SY/MD	Ok,M
6	VY1218SBSD01	VY020627.D	18 Dec 2024 11:42	SY/MD	Ok,M
7	P5277-01	VY020628.D	18 Dec 2024 12:05	SY/MD	Not Ok
8	P5277-02	VY020629.D	18 Dec 2024 12:33	SY/MD	Ok
9	P5277-03	VY020630.D	18 Dec 2024 12:57	SY/MD	Ok
10	P5287-01	VY020631.D	18 Dec 2024 13:20	SY/MD	Ok
11	P5287-03	VY020632.D	18 Dec 2024 13:44	SY/MD	Ok
12	P5312-03	VY020633.D	18 Dec 2024 14:07	SY/MD	ReRun
13	P5312-01	VY020634.D	18 Dec 2024 14:30	SY/MD	ReRun
14	P5299-04	VY020635.D	18 Dec 2024 14:54	SY/MD	Ok
15	P5301-03	VY020636.D	18 Dec 2024 15:17	SY/MD	ReRun
16	P5277-02	VY020637.D	18 Dec 2024 15:41	SY/MD	Not Ok
17	P5301-01	VY020638.D	18 Dec 2024 16:04	SY/MD	Ok
18	P5299-02	VY020639.D	18 Dec 2024 16:27	SY/MD	Ok
19	P5299-03	VY020640.D	18 Dec 2024 16:51	SY/MD	Ok
20	P5279-03	VY020641.D	18 Dec 2024 17:14	SY/MD	Not Ok
21	P5299-01	VY020642.D	18 Dec 2024 17:38	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY020643.D	18 Dec 2024 18:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121924

Review By	Mahesh Dadoda	Review On	12/20/2024 10:52:52 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/20/2024 10:57:22 AM		
SubDirectory	VY121924	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132238
Initial Calibration Stds	
CCC	VP132239,VP132240
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	VY020644.D	19 Dec 2024 09:13	SY/MD	Ok
2	VSTDCCC050	VY020645.D	19 Dec 2024 09:43	SY/MD	Ok,M
3	VY1219SBL01	VY020646.D	19 Dec 2024 11:07	SY/MD	Ok
4	VY1219SBS01	VY020647.D	19 Dec 2024 11:53	SY/MD	Ok,M
5	VY1219SBSD01	VY020648.D	19 Dec 2024 12:16	SY/MD	Ok,M
6	P5312-03RE	VY020649.D	19 Dec 2024 12:52	SY/MD	Confirms
7	P5312-01RE	VY020650.D	19 Dec 2024 13:15	SY/MD	Confirms
8	P5301-03RE	VY020651.D	19 Dec 2024 13:39	SY/MD	Confirms
9	P5306-01	VY020652.D	19 Dec 2024 14:02	SY/MD	Ok
10	P5306-03	VY020653.D	19 Dec 2024 14:26	SY/MD	Not Ok
11	P5306-05	VY020654.D	19 Dec 2024 14:49	SY/MD	ReRun
12	P5306-07	VY020655.D	19 Dec 2024 15:12	SY/MD	ReRun
13	P5306-09	VY020656.D	19 Dec 2024 15:36	SY/MD	ReRun
14	P5306-11	VY020657.D	19 Dec 2024 15:59	SY/MD	ReRun
15	P5306-13	VY020658.D	19 Dec 2024 16:23	SY/MD	ReRun
16	P5343-01	VY020659.D	19 Dec 2024 16:46	SY/MD	Ok
17	P5277-01	VY020660.D	19 Dec 2024 17:09	SY/MD	Ok
18	P5343-03	VY020661.D	19 Dec 2024 17:33	SY/MD	Ok
19	VSTDCCC050	VY020662.D	19 Dec 2024 17:56	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	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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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122324

Review By	Mahesh Dadoda	Review On	12/26/2024 12:32:59 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/26/2024 12:34:45 PM				
SubDirectory	VY122324	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122324S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132295
Initial Calibration Stds	VP132296,VP132297,VP132298,VP132299,VP132300,VP132301
CCC	VP132303,VP132304
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132302
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020683.D	23 Dec 2024 08:45	SY/MD	Ok
2	VSTDICC005	VY020684.D	23 Dec 2024 11:30	SY/MD	Ok,M
3	VSTDICC010	VY020685.D	23 Dec 2024 11:53	SY/MD	Ok,M
4	VSTDICC020	VY020686.D	23 Dec 2024 12:16	SY/MD	Ok,M
5	VSTDICCC050	VY020687.D	23 Dec 2024 12:38	SY/MD	Ok,M
6	VSTDICC100	VY020688.D	23 Dec 2024 13:01	SY/MD	Ok,M
7	VSTDICC150	VY020689.D	23 Dec 2024 13:24	SY/MD	Ok,M
8	VIBLK	VY020690.D	23 Dec 2024 13:46	SY/MD	Ok
9	VSTDICV050	VY020691.D	23 Dec 2024 14:17	SY/MD	Ok,M
10	VY1223SBL01	VY020692.D	23 Dec 2024 15:24	SY/MD	Ok
11	VY1223SBS01	VY020693.D	23 Dec 2024 15:51	SY/MD	Ok,M
12	P5330-03	VY020694.D	23 Dec 2024 16:14	SY/MD	Ok
13	P5339-01	VY020695.D	23 Dec 2024 16:38	SY/MD	Ok
14	P5342-01	VY020696.D	23 Dec 2024 17:04	SY/MD	ReRun
15	P5339-01RE	VY020697.D	23 Dec 2024 17:27	SY/MD	Not Ok
16	P5342-03	VY020698.D	23 Dec 2024 17:51	SY/MD	ReRun
17	P5342-05	VY020699.D	23 Dec 2024 18:14	SY/MD	ReRun
18	P5306-11	VY020700.D	23 Dec 2024 18:38	SY/MD	Ok
19	P5306-15	VY020701.D	23 Dec 2024 19:01	SY/MD	Ok
20	P5355-01	VY020702.D	23 Dec 2024 19:25	SY/MD	Ok
21	VY1223SBSD01	VY020703.D	23 Dec 2024 19:47	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122324

Review By	Mahesh Dadoda	Review On	12/26/2024 12:32:59 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/26/2024 12:34:45 PM				
SubDirectory	VY122324	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122324S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132295
Initial Calibration Stds	VP132296,VP132297,VP132298,VP132299,VP132300,VP132301
CCC	VP132303,VP132304
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132302
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY020704.D	23 Dec 2024 20:10	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	VSTDICV050	VY020620.D	17 Dec 2024 17:41	ICV fail for com #11,16	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
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	VY020622.D	18 Dec 2024 08:46		SY/MD	Ok
2	VSTDICV050	ICVVY121724	VY020623.D	18 Dec 2024 09:43		SY/MD	Ok,M
3	VSTDCCC050	VSTDCCC050	VY020624.D	18 Dec 2024 10:06		SY/MD	Ok,M
4	VY1218SBL01	VY1218SBL01	VY020625.D	18 Dec 2024 10:52		SY/MD	Ok
5	VY1218SBS01	VY1218SBS01	VY020626.D	18 Dec 2024 11:19		SY/MD	Ok,M
6	VY1218SBSD01	VY1218SBSD01	VY020627.D	18 Dec 2024 11:42		SY/MD	Ok,M
7	P5277-01	COMP-1A	VY020628.D	18 Dec 2024 12:05	vial-A Not purged	SY/MD	Not Ok
8	P5277-02	COMP-2A	VY020629.D	18 Dec 2024 12:33	vial-A	SY/MD	Ok
9	P5277-03	COMP-3A	VY020630.D	18 Dec 2024 12:57	vial-A	SY/MD	Ok
10	P5287-01	STONES-A	VY020631.D	18 Dec 2024 13:20	vial-A	SY/MD	Ok
11	P5287-03	STONES-B	VY020632.D	18 Dec 2024 13:44	vial-A	SY/MD	Ok
12	P5312-03	CONCRETE-VNJ-222	VY020633.D	18 Dec 2024 14:07	vial-A Surrogate Fail	SY/MD	ReRun
13	P5312-01	SOIL-VNJ-222	VY020634.D	18 Dec 2024 14:30	vial-A Internal Standard Fail	SY/MD	ReRun
14	P5299-04	SB-02	VY020635.D	18 Dec 2024 14:54	vial-A	SY/MD	Ok
15	P5301-03	HR-04-121624	VY020636.D	18 Dec 2024 15:17	vial-A Internal Standard Fail	SY/MD	ReRun
16	P5277-02	COMP-2A	VY020637.D	18 Dec 2024 15:41	vial-B NOT PURGE	SY/MD	Not Ok
17	P5301-01	HR-01-121624	VY020638.D	18 Dec 2024 16:04	vial-B	SY/MD	Ok
18	P5299-02	SB-02	VY020639.D	18 Dec 2024 16:27	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5299-03	SB-01	VY020640.D	18 Dec 2024 16:51	vial-A	SY/MD	Ok
20	P5279-03	ROCKAWAY-PARK	VY020641.D	18 Dec 2024 17:14	vial-A NOT PURGE	SY/MD	Not Ok
21	P5299-01	SB-01	VY020642.D	18 Dec 2024 17:38	vial-A	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY020643.D	18 Dec 2024 18:00		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121924

Review By	Mahesh Dadoda	Review On	12/20/2024 10:52:52 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/20/2024 10:57:22 AM		
SubDirectory	VY121924	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132238
Initial Calibration Stds	
CCC	VP132239,VP132240
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	VY020644.D	19 Dec 2024 09:13		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020645.D	19 Dec 2024 09:43		SY/MD	Ok,M
3	VY1219SBL01	VY1219SBL01	VY020646.D	19 Dec 2024 11:07		SY/MD	Ok
4	VY1219SBS01	VY1219SBS01	VY020647.D	19 Dec 2024 11:53	BS low for com #12	SY/MD	Ok,M
5	VY1219SBSD01	VY1219SBSD01	VY020648.D	19 Dec 2024 12:16		SY/MD	Ok,M
6	P5312-03RE	CONCRETE-VNJ-222R	VY020649.D	19 Dec 2024 12:52	vial- B BS low; Internal standard fail	SY/MD	Confirms
7	P5312-01RE	SOIL-VNJ-222RE	VY020650.D	19 Dec 2024 13:15	vial- B BS low; Internal standard fail	SY/MD	Confirms
8	P5301-03RE	HR-04-121624RE	VY020651.D	19 Dec 2024 13:39	vial- B BS low; ISTD Fail	SY/MD	Confirms
9	P5306-01	OU4-VSL-07-121224	VY020652.D	19 Dec 2024 14:02	vial- B End CCC fail	SY/MD	Ok
10	P5306-03	OU4-VSL-08-121224	VY020653.D	19 Dec 2024 14:26	vial- A End CCC fail; Not purge	SY/MD	Not Ok
11	P5306-05	OU4-VSL-09-121224	VY020654.D	19 Dec 2024 14:49	vial- A End CCC fail; Surrogate fail	SY/MD	ReRun
12	P5306-07	OU4-VSL-10-121224	VY020655.D	19 Dec 2024 15:12	vial- A End CCC fail; Internal standard fail; Surrogate fail	SY/MD	ReRun
13	P5306-09	OU4-VSL-11-121224	VY020656.D	19 Dec 2024 15:36	vial- A End CCC fail; Surrogate fail	SY/MD	ReRun
14	P5306-11	OU4-VSL-12-121224	VY020657.D	19 Dec 2024 15:59	vial- A End CCC fail; Surrogate fail	SY/MD	ReRun
15	P5306-13	OU4-VSL-13-121224	VY020658.D	19 Dec 2024 16:23	vial- A End CCC fail; Surrogate fail	SY/MD	ReRun
16	P5343-01	VNJ210	VY020659.D	19 Dec 2024 16:46	vial- A Internal standard fail	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121924

Review By	Mahesh Dadoda	Review On	12/20/2024 10:52:52 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/20/2024 10:57:22 AM		
SubDirectory	VY121924	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132238
Initial Calibration Stds	
CCC	VP132239,VP132240
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P5277-01	COMP-1A	VY020660.D	19 Dec 2024 17:09	vial- B	SY/MD	Ok
18	P5343-03	VNJ281	VY020661.D	19 Dec 2024 17:33		SY/MD	Ok
19	VSTDCCC050	VSTDCCC050EC	VY020662.D	19 Dec 2024 17:56	CCC fail for many comp.	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 # VY122324

Review By	Mahesh Dadoda	Review On	12/26/2024 12:32:59 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/26/2024 12:34:45 PM		
SubDirectory	VY122324	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122324S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132295
Initial Calibration Stds	VP132296,VP132297,VP132298,VP132299,VP132300,VP132301
CCC	VP132303,VP132304
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132302
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020683.D	23 Dec 2024 08:45		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020684.D	23 Dec 2024 11:30	Surrogates delete from lowest 05PPB	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020685.D	23 Dec 2024 11:53		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020686.D	23 Dec 2024 12:16	%D failed for Comp. #13 in 20PPB	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020687.D	23 Dec 2024 12:38	Comp. #13,28,95 are on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020688.D	23 Dec 2024 13:01		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020689.D	23 Dec 2024 13:24	Method failed for Comp. #11,49	SY/MD	Ok,M
8	VIBLK	VIBLK	VY020690.D	23 Dec 2024 13:46		SY/MD	Ok
9	VSTDICV050	ICVVY122324	VY020691.D	23 Dec 2024 14:17		SY/MD	Ok,M
10	VY1223SBL01	VY1223SBL01	VY020692.D	23 Dec 2024 15:24		SY/MD	Ok
11	VY1223SBS01	VY1223SBS01	VY020693.D	23 Dec 2024 15:51		SY/MD	Ok,M
12	P5330-03	TP-5-VOC	VY020694.D	23 Dec 2024 16:14	vial A	SY/MD	Ok
13	P5339-01	TR-06-12182024	VY020695.D	23 Dec 2024 16:38	vial A, Internal Standard Fail	SY/MD	Ok
14	P5342-01	CHRT26634	VY020696.D	23 Dec 2024 17:04	vial A, Internal Standard Fail	SY/MD	ReRun
15	P5339-01RE	TR-06-12182024RE	VY020697.D	23 Dec 2024 17:27	Not purged	SY/MD	Not Ok
16	P5342-03	HT2651	VY020698.D	23 Dec 2024 17:51	vial A, Internal Standard Fail	SY/MD	ReRun
17	P5342-05	RB21198	VY020699.D	23 Dec 2024 18:14	vial A, Internal Standard Fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122324

Review By	Mahesh Dadoda	Review On	12/26/2024 12:32:59 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/26/2024 12:34:45 PM		
SubDirectory	VY122324	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122324S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132295
Initial Calibration Stds	VP132296,VP132297,VP132298,VP132299,VP132300,VP132301
CCC	VP132303,VP132304
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132302
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5306-11	OU4-VSL-12-121224	VY020700.D	23 Dec 2024 18:38	vial B	SY/MD	Ok
19	P5306-15	OU4-VSL-14-121224	VY020701.D	23 Dec 2024 19:01	vial B	SY/MD	Ok
20	P5355-01	RBR251688	VY020702.D	23 Dec 2024 19:25	vial A	SY/MD	Ok
21	VY1223SBSD01	VY1223SBSD01	VY020703.D	23 Dec 2024 19:47		SY/MD	Ok,M
22	VSTDCCC050	VSTDCCC050EC	VY020704.D	23 Dec 2024 20:10		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133976

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
P5245-03	72-12016	1	1.15	8.37	9.52	8.99	93.7	
P5299-01	SB-01	2	1.15	8.40	9.55	7.74	78.5	
P5299-02	SB-02	3	1.16	8.70	9.86	7.73	75.5	
P5299-03	SB-01	33	1.13	8.61	9.74	7.05	68.8	
P5299-04	SB-02	4	1.15	8.75	9.9	8.08	79.2	
P5306-01	OU4-VSL-07-121224	5	1.16	8.52	9.68	8.9	90.8	
P5306-03	OU4-VSL-08-121224	6	1.17	8.73	9.9	9.1	90.8	
P5306-05	OU4-VSL-09-121224	7	1.19	8.45	9.64	8.8	90.1	
P5306-07	OU4-VSL-10-121224	8	1.15	8.65	9.8	9.37	95.0	
P5306-09	OU4-VSL-11-121224	9	1.11	8.77	9.88	9.32	93.6	
P5306-11	OU4-VSL-12-121224	10	1.12	8.65	9.77	8.97	90.8	
P5306-13	OU4-VSL-13-121224	11	1.13	8.72	9.85	8.98	90.0	
P5306-15	OU4-VSL-14-121224	12	1.18	8.46	9.64	9.29	95.9	
P5306-17	OU4-VSL-06R-121224	13	1.15	8.80	9.95	9.22	91.7	
P5307-01	1A-1B-1C-ROOF-2	14	1.00	1.00	2.00	2.00	100.0	caluk
P5307-02	2A-2B-2C-ROOF-2	15	1.00	1.00	2.00	2.00	100.0	caluk
P5307-03	3A-3B-3C-1907	16	1.00	1.00	2.00	2.00	100.0	caluk
P5307-04	4A-4B-4C-1907	17	1.00	1.00	2.00	2.00	100.0	caluk
P5307-05	5A-5B-5C-1907	18	1.00	1.00	2.00	2.00	100.0	caluk
P5307-06	6A-6B-6C-1952	19	1.00	1.00	2.00	2.00	100.0	caluk
P5307-07	1907-BLDG-GRAY	20	1.00	1.00	2.00	2.00	100.0	caluk
P5307-08	1952-BLDG	21	1.00	1.00	2.00	2.00	100.0	caluk
P5307-09	9A-9B-9C-1907	22	1.00	1.00	2.00	2.00	100.0	caluk
P5307-10	1907-BLDG-OFF-WHITE	23	1.00	1.00	2.00	2.00	100.0	caluk
P5307-11	11A-11B-11C-1952-BLDG	24	1.00	1.00	2.00	2.00	100.0	caluk
P5307-12	12A-12B-12C-1952	25	1.00	1.00	2.00	2.00	100.0	caluk
P5307-13	13A-13B-13C-1952	26	1.00	1.00	2.00	2.00	100.0	caluk
P5307-14	14A-14B-14C-1907	27	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133976

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
P5307-15	15A-15B-15C-ROOF-7	28	1.00	1.00	2.00	2.00	100.0	caluk
P5312-01	SOIL-VNJ-222	29	1.15	8.43	9.58	8.55	87.8	
P5312-02	SOIL-VNJ-222	30	1.12	8.66	9.78	9.35	95.0	
P5312-03	CONCRETE-VNJ-222	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P5312-04	CONCRETE-VNJ-222	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

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Prep Standard - Chemical Standard Summary

Order ID : P5306

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VY121924,VY122024,VY122324,

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,VP132238,VP132239,VP132240,VP132264,VP132265,VP132266,VP132295,VP132296,VP132297,VP132298,VP132299,VP132300,VP132301,VP132302,VP132303,VP132304,

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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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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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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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP132238	12/19/2024	12/20/2024	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	VP132239	12/19/2024	12/20/2024	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	VP132240	12/19/2024	12/20/2024	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	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

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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	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

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

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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	VP132295	12/23/2024	12/24/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

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
267	5 PPB ICC, 8260-SOIL	VP132296	12/23/2024	12/24/2024	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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
269	10 PPB ICC, 8260-SOIL	VP132297	12/23/2024	12/24/2024	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
270	20 PPB ICC, 8260-SOIL	VP132298	12/23/2024	12/24/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.96000ml 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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
273	50 PPB ICC, 8260-SOIL	VP132299	12/23/2024	12/24/2024	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
280	100 PPB ICC, 8260-SOIL	VP132300	12/23/2024	12/24/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.96000ml 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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1653	150 PPB ICC,8260-SOIL	VP132301	12/23/2024	12/24/2024	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
287	50 PPB ICV, 8260-SOIL	VP132302	12/23/2024	12/24/2024	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

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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	VP132303	12/23/2024	12/24/2024	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132304	12/23/2024	12/24/2024	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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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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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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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

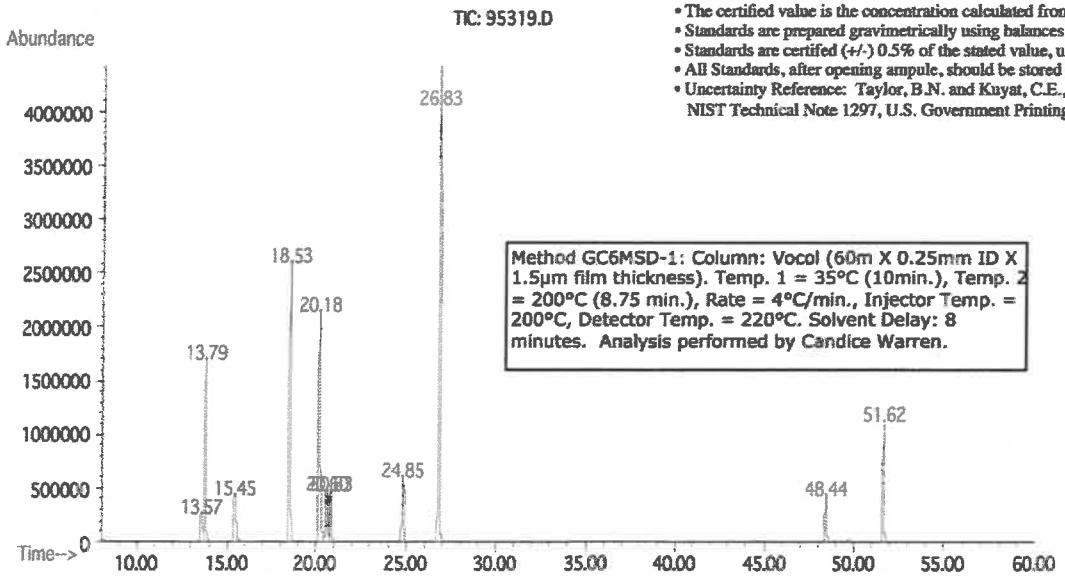
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

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	orl-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	orl-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)	orl-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)	orl-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)	orl-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)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	orl-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	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	orl-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)	orl-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	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

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

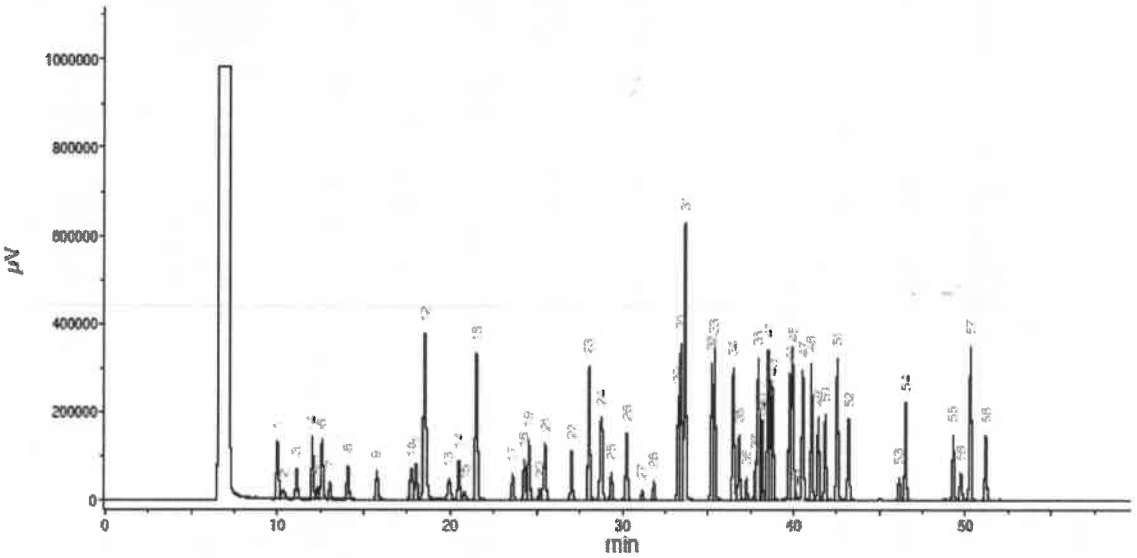
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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

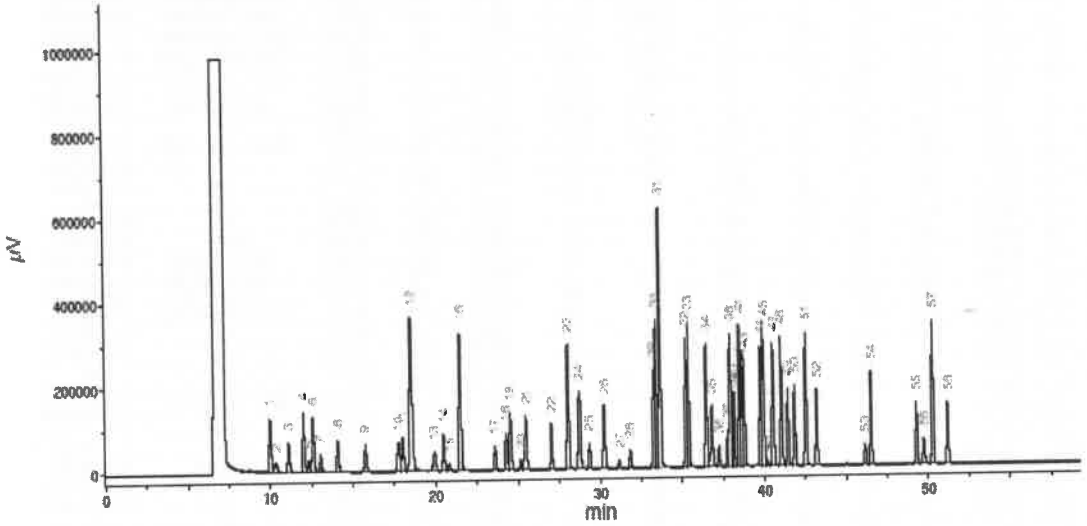
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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

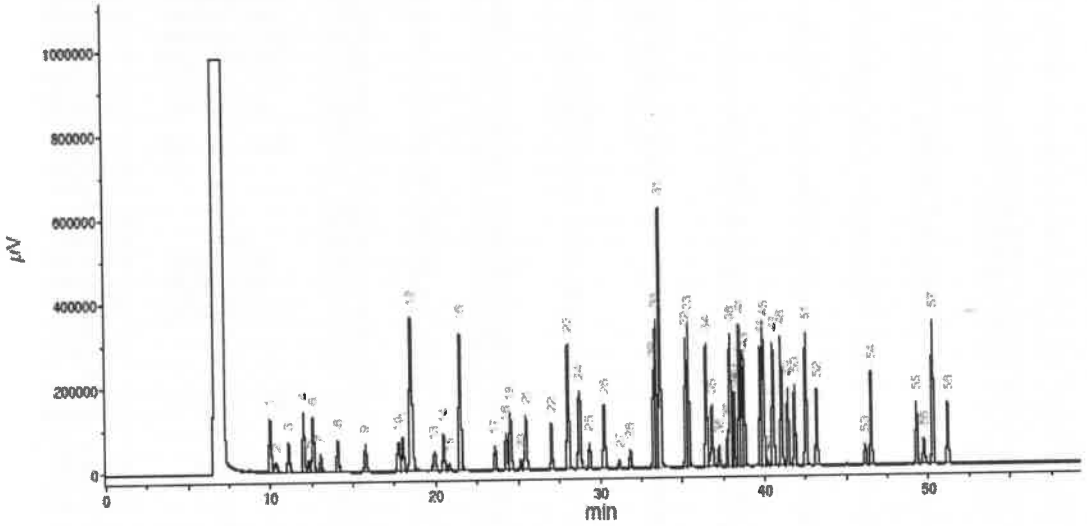
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

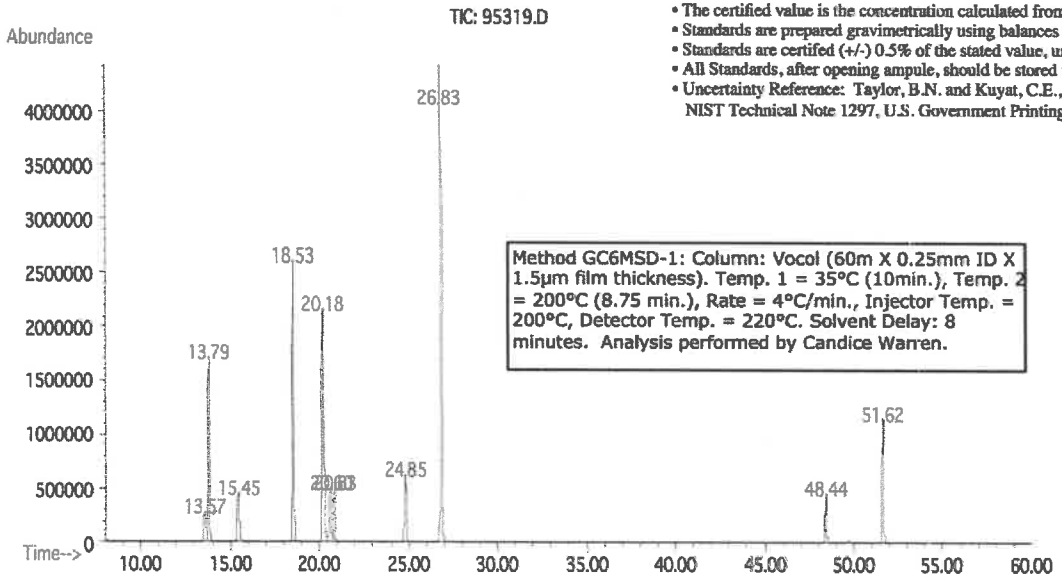
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): 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
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

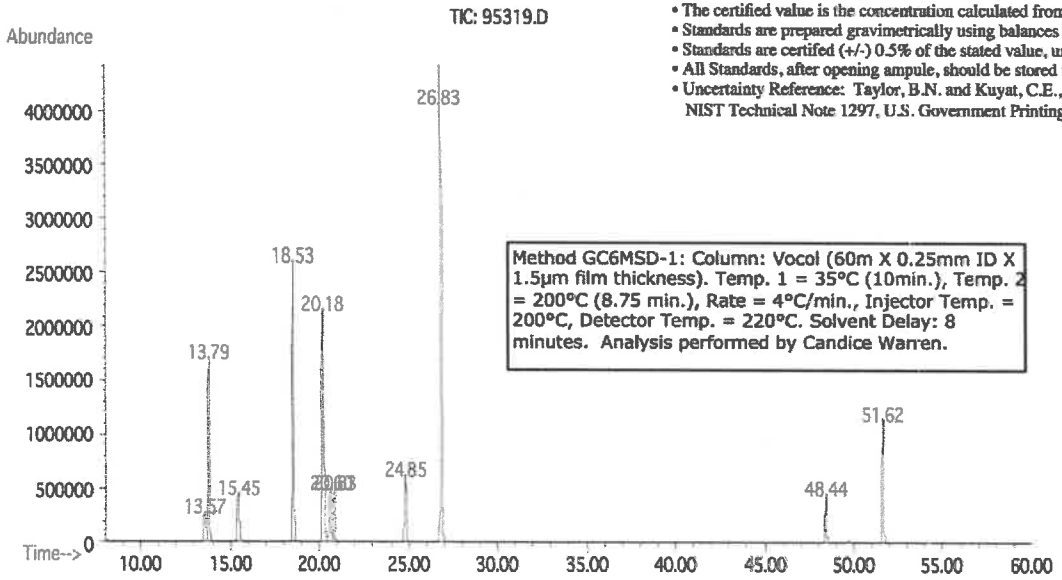
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 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.

Absolute Standards, Inc.
800-368-1131
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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

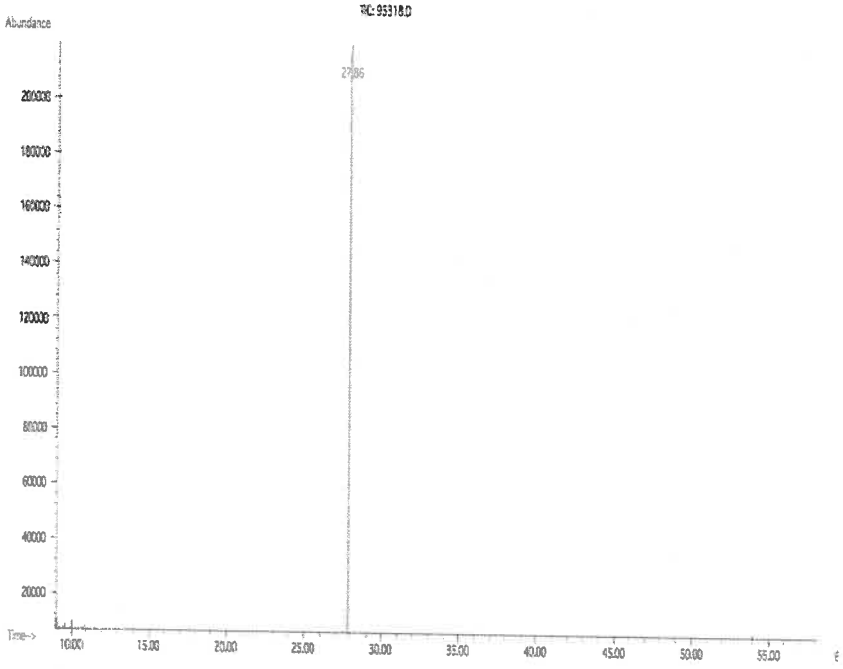
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

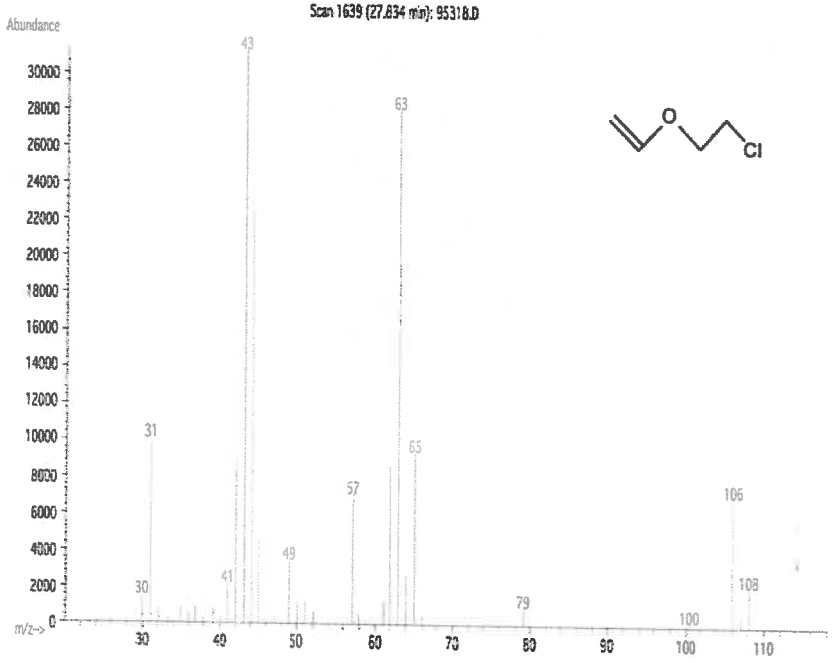
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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).

Absolute Standards, Inc.
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

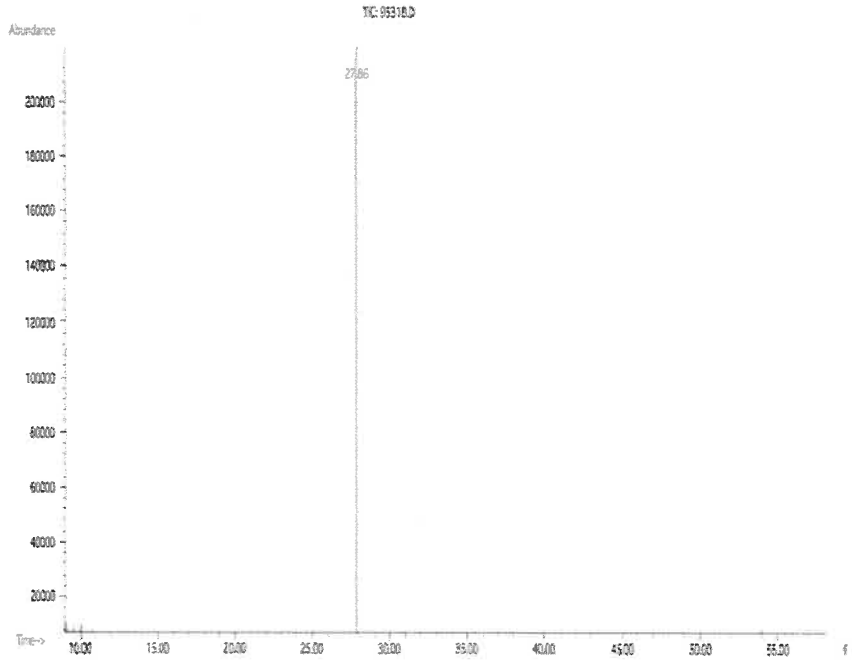
V14630 to V14649

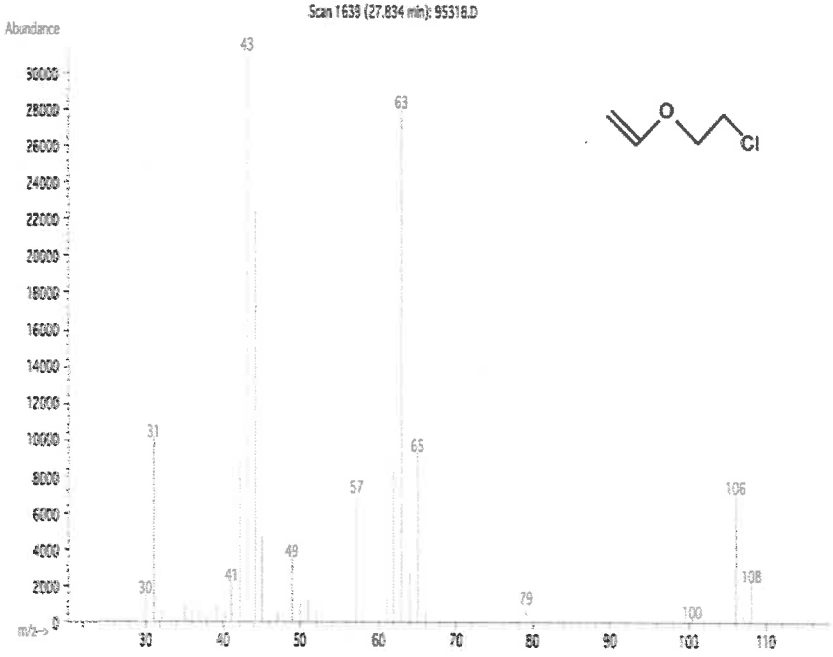
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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

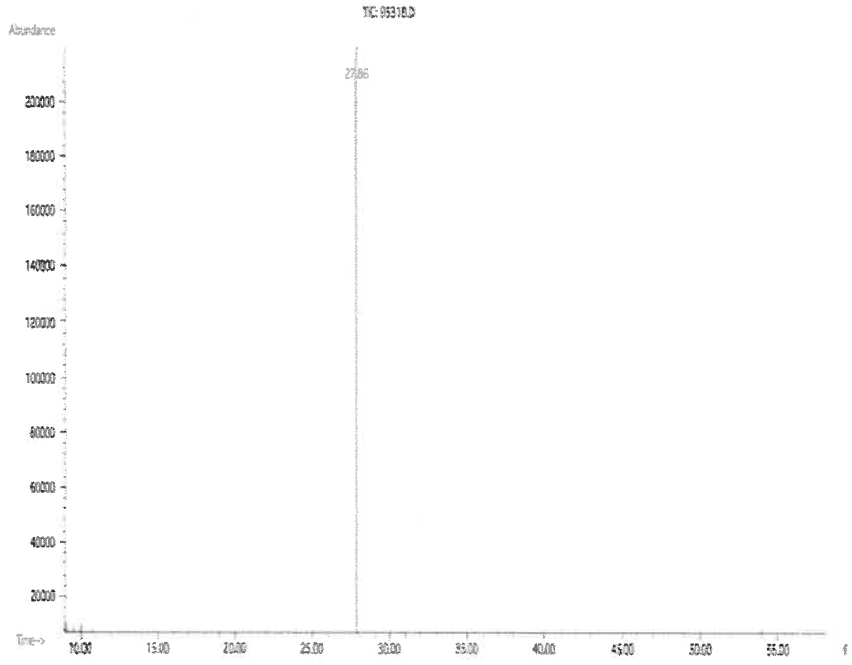
V14630 to V14649

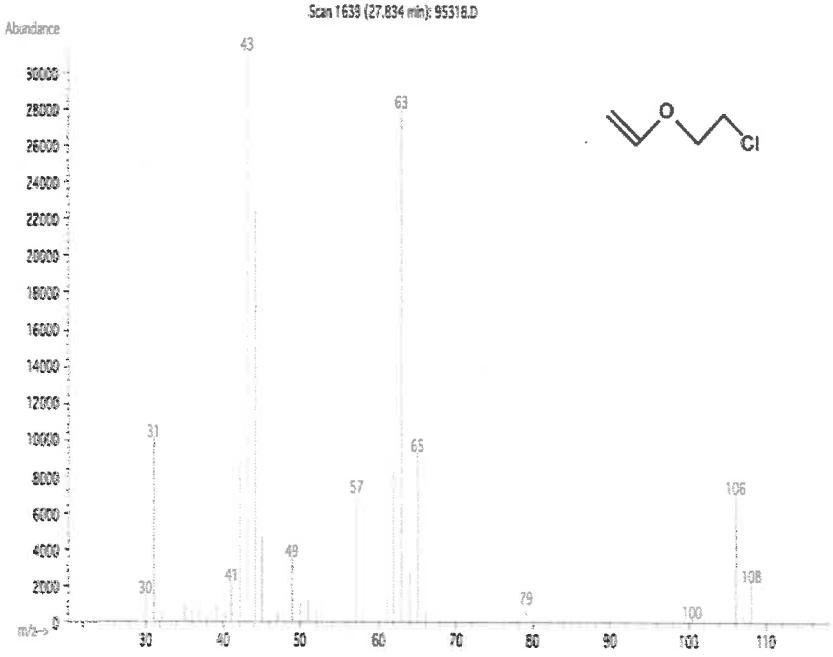
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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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

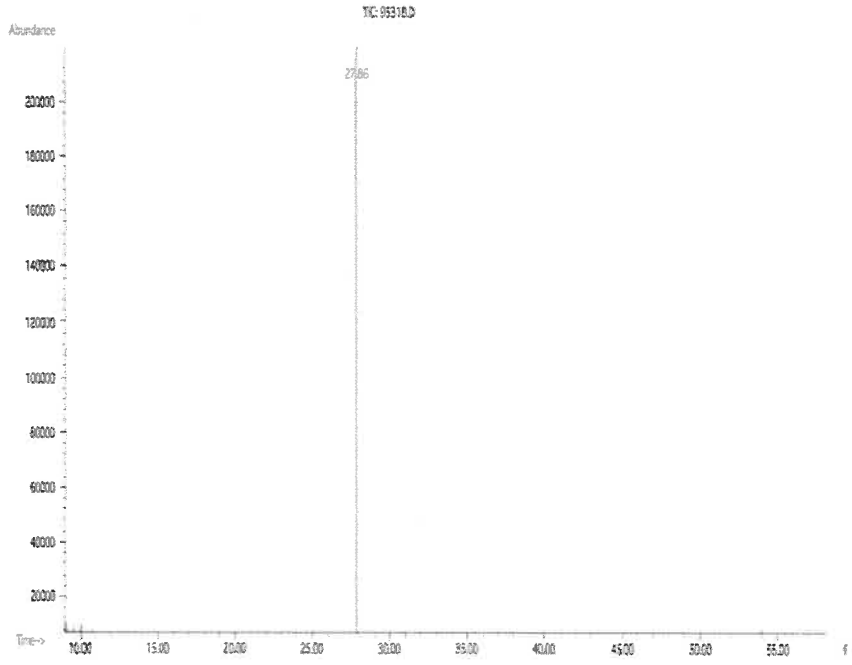
V14630 to V14649

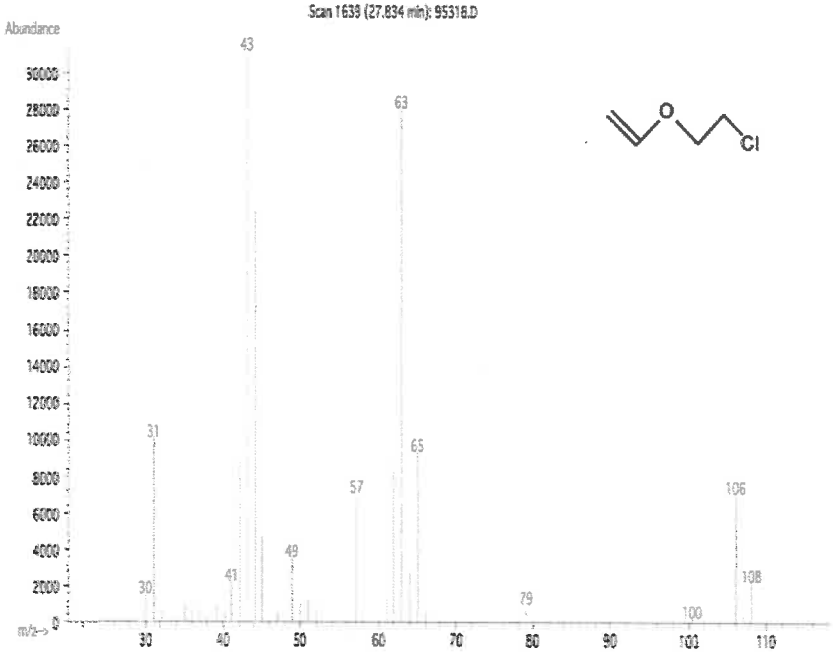
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
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.
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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.
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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.
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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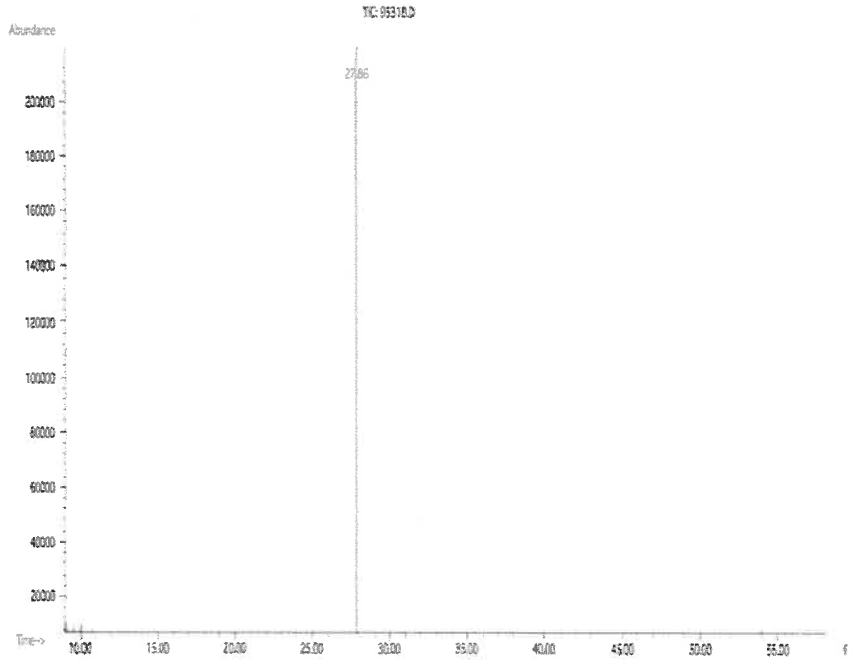
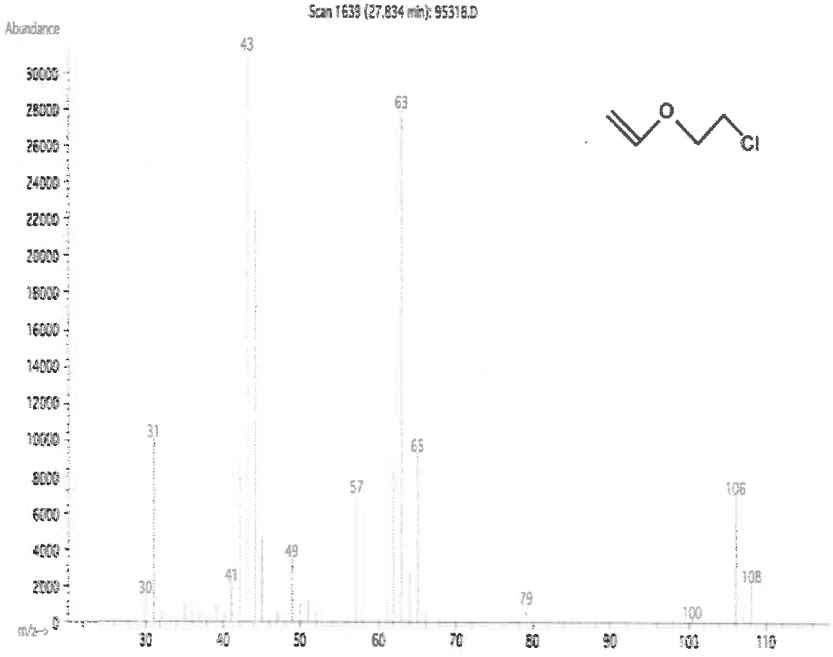
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	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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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

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Section V. FIREFIGHTING MEASURES

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
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Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

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Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

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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

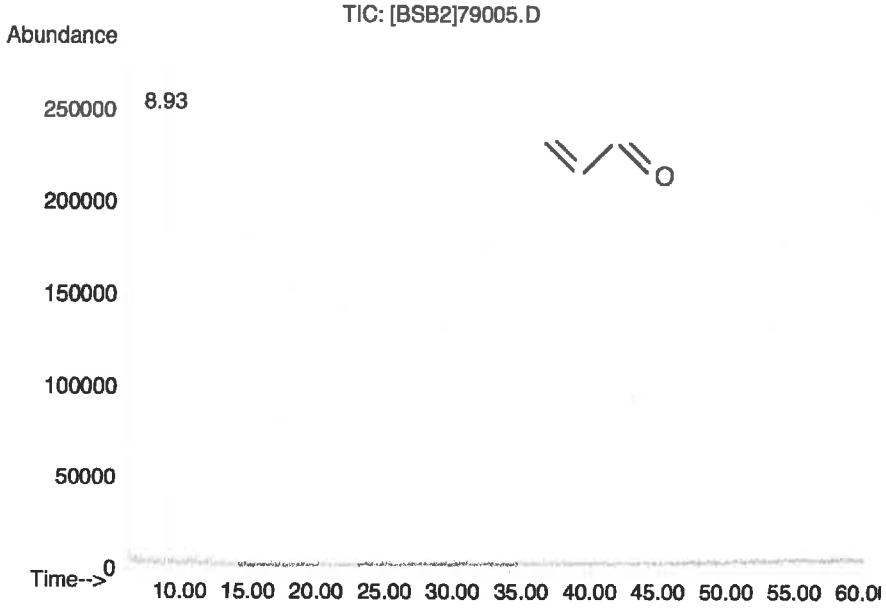
V14650-54

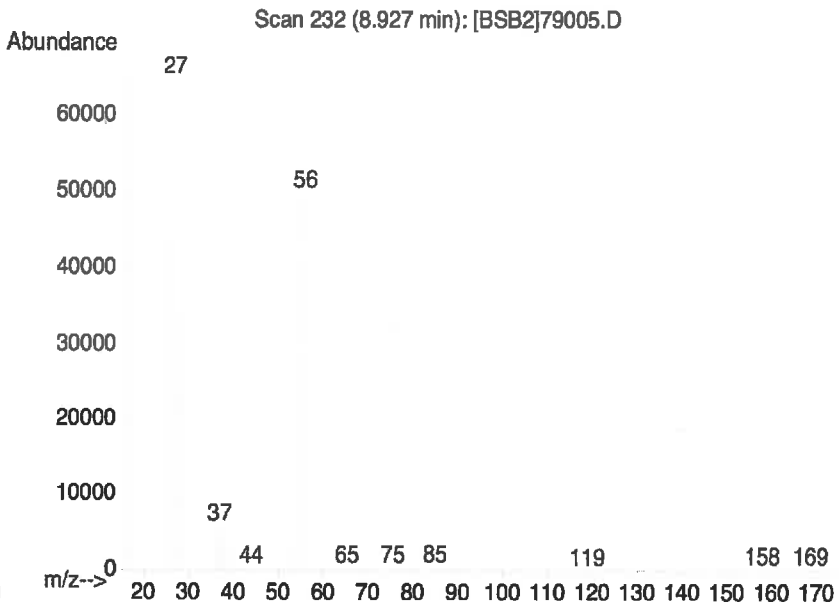
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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

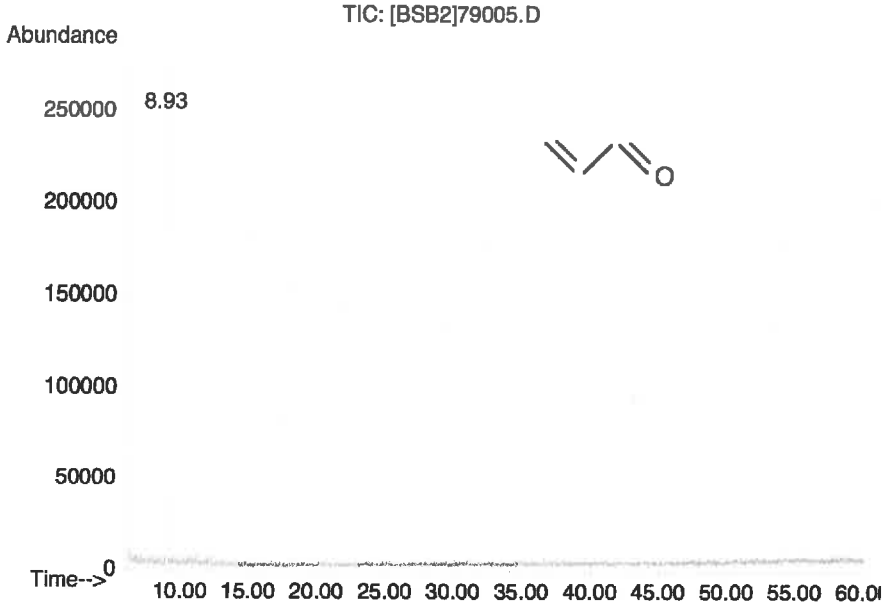
V14650-54

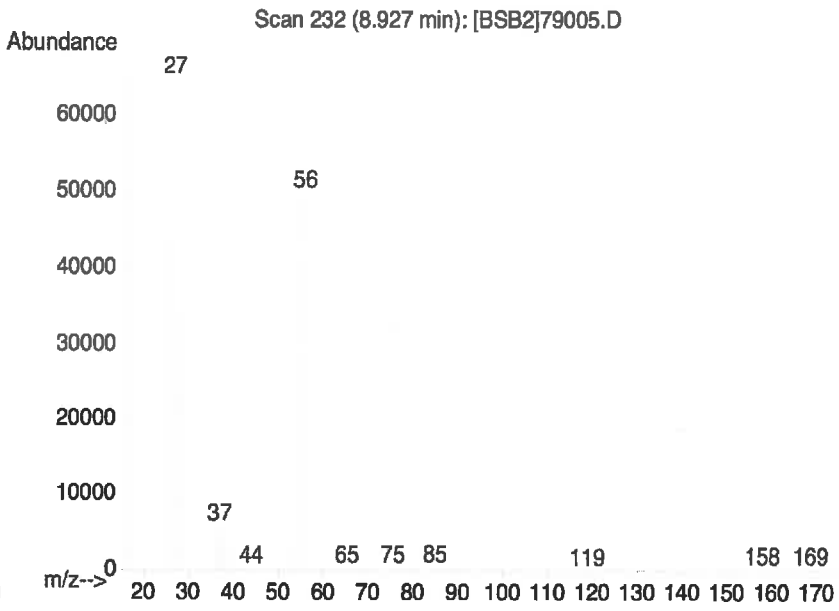
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
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Absolute Standards Inc.

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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
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 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

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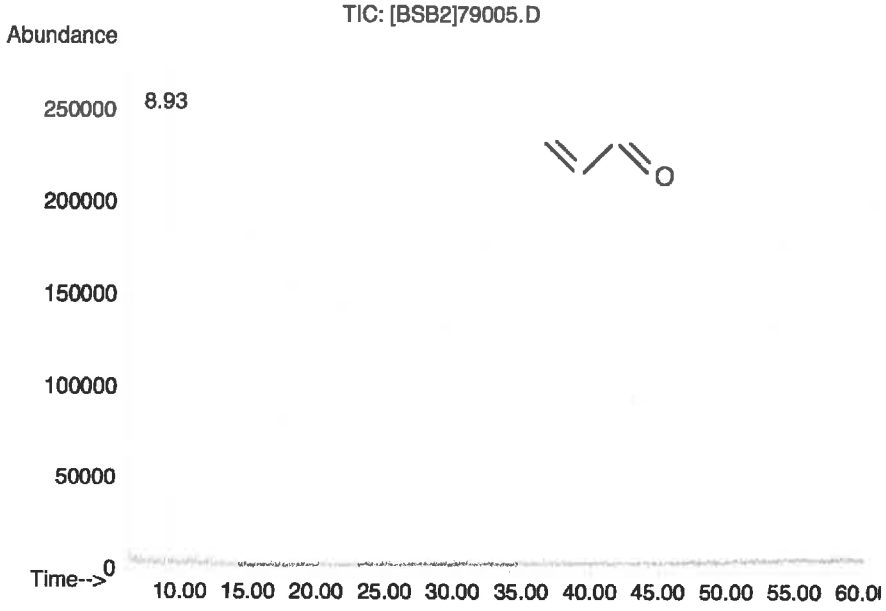

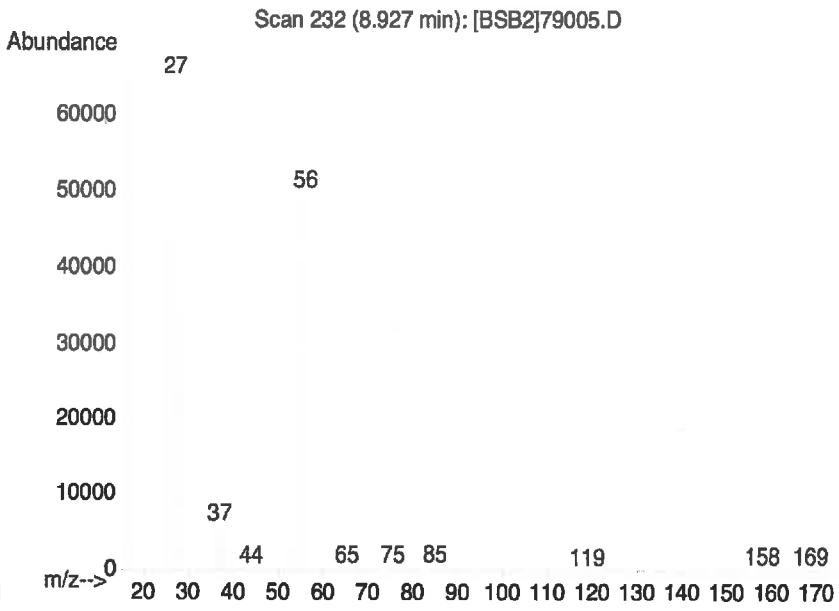

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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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.
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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.

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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

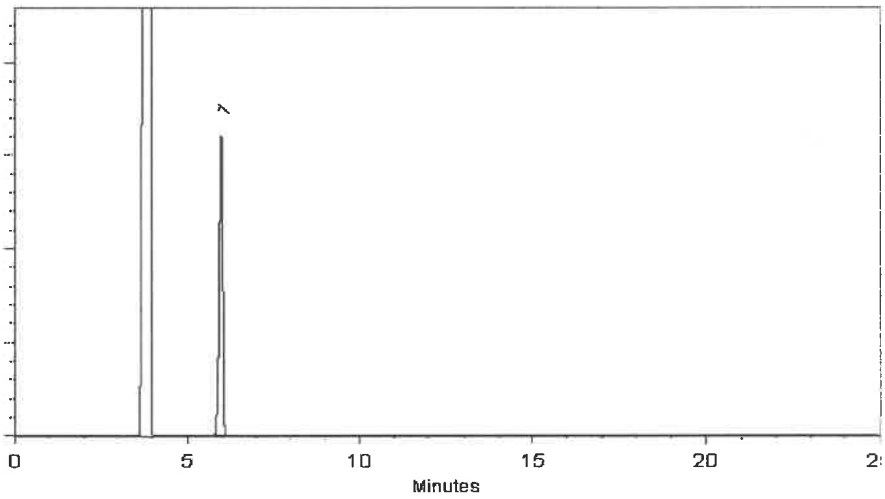
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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)

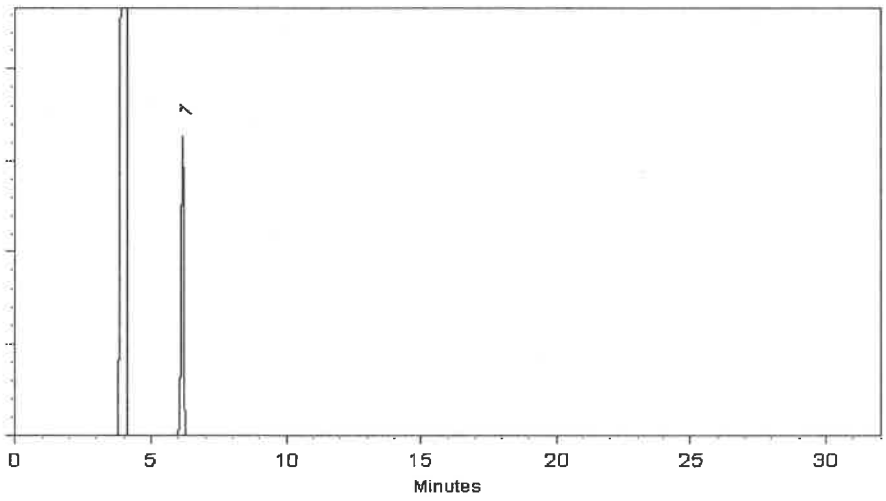
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

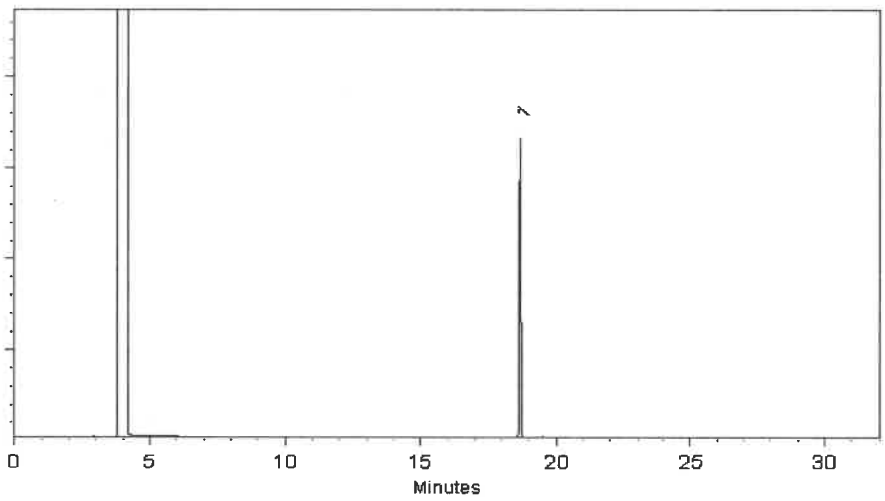
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

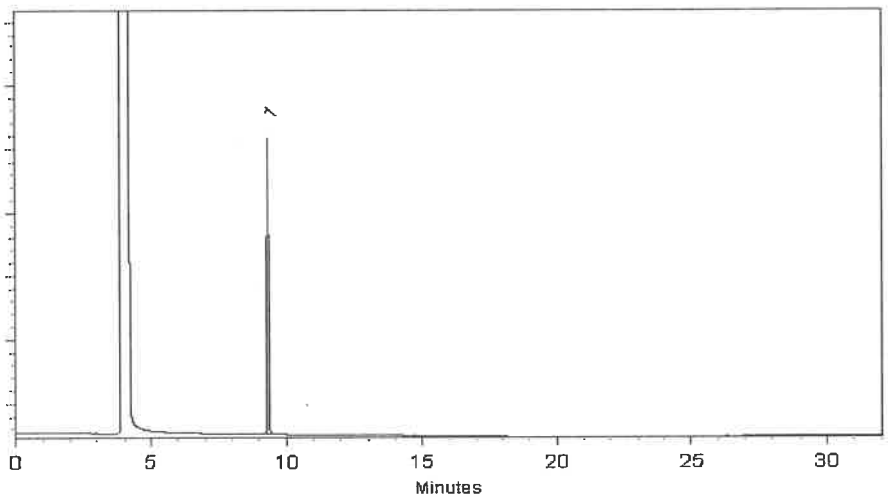
Inj. Temp:
200°C

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.
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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.)

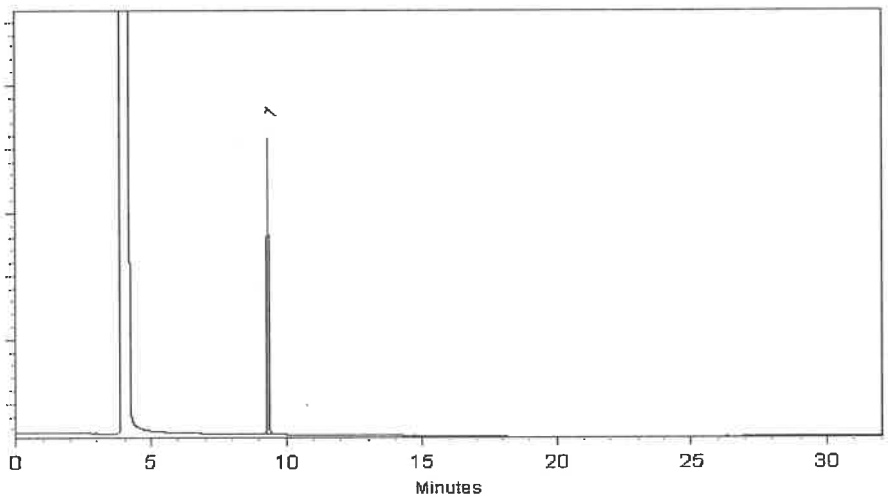
Inj. Temp:
200°C

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:

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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.

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- 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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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.)

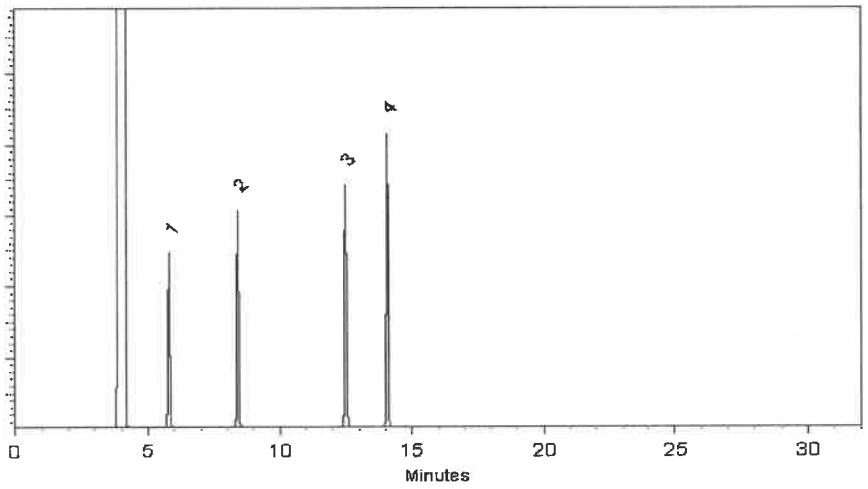
Inj. Temp:
200°C

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.

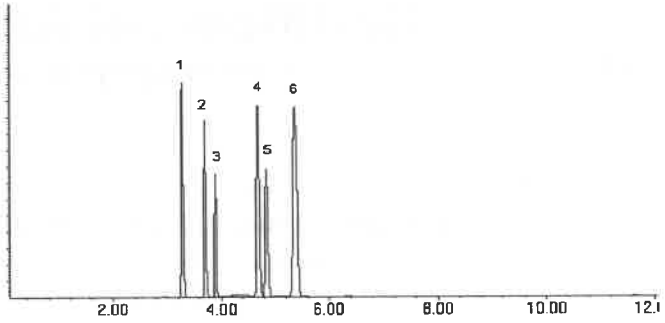
Inj. Temp:
200°C

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:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.

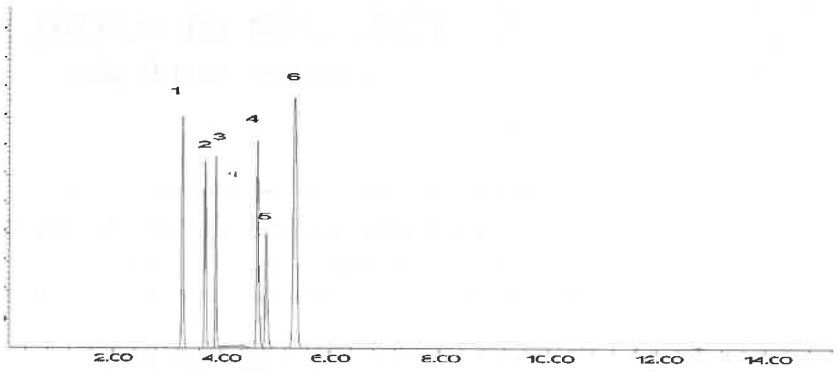
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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: 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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

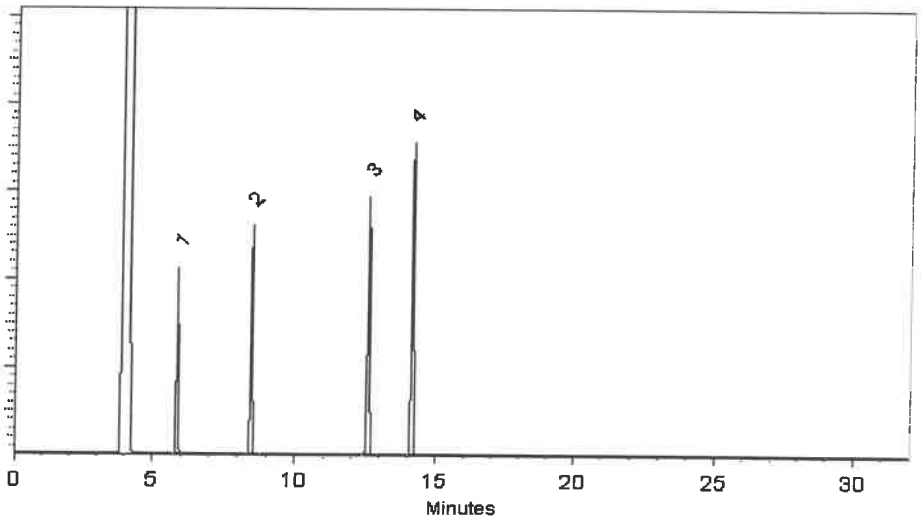
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

- 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. : 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.)

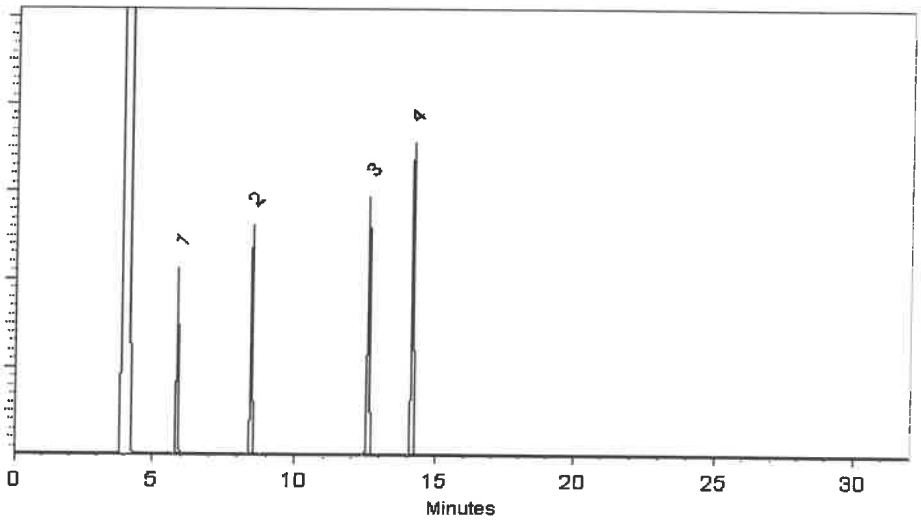
Inj. Temp:
200°C

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.)

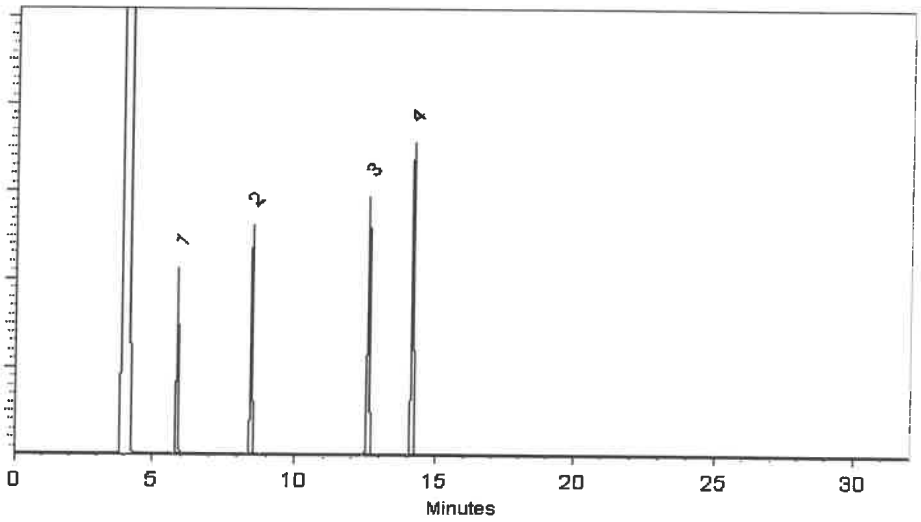
Inj. Temp:
200°C

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.)

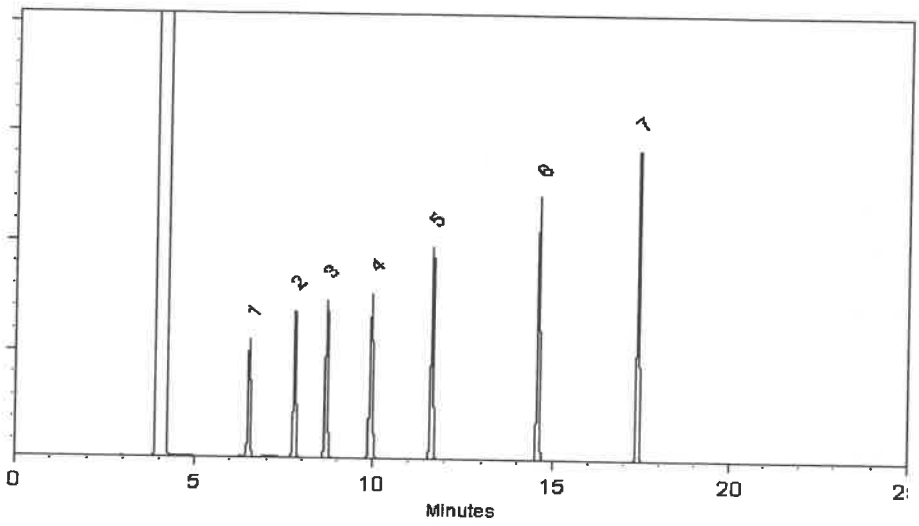
Inj. Temp:
200°C

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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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.)

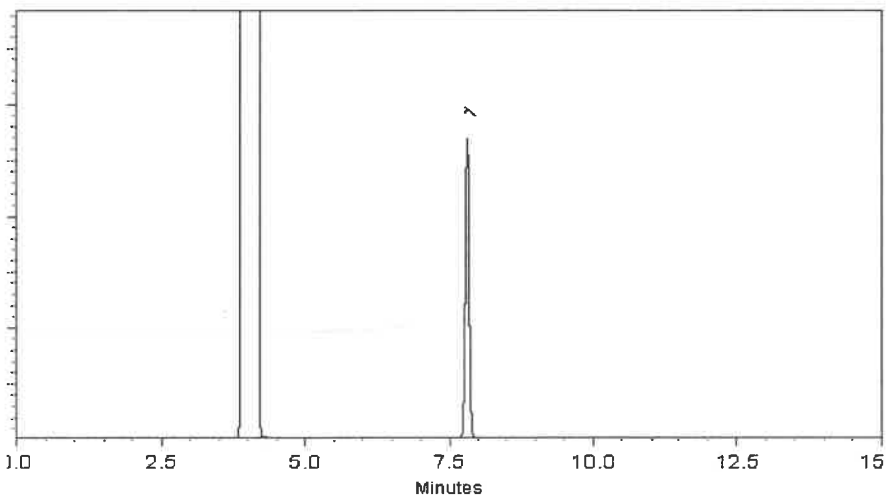
Inj. Temp:
200°C

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.)

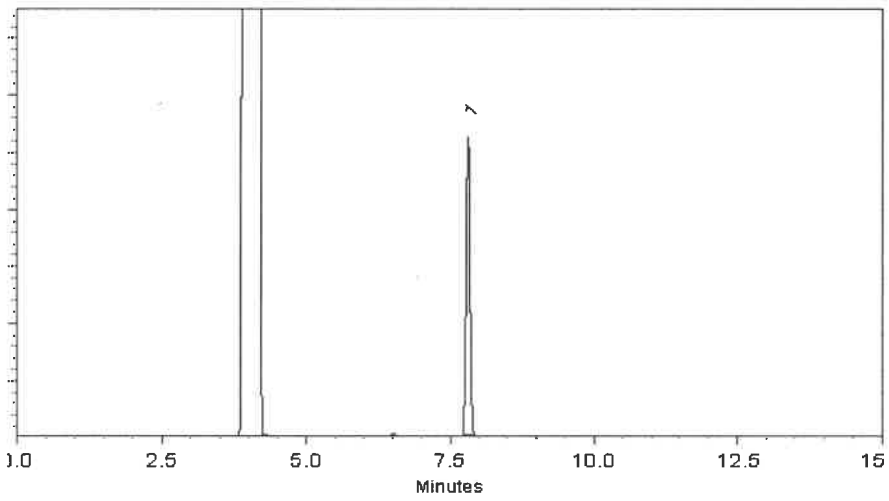
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

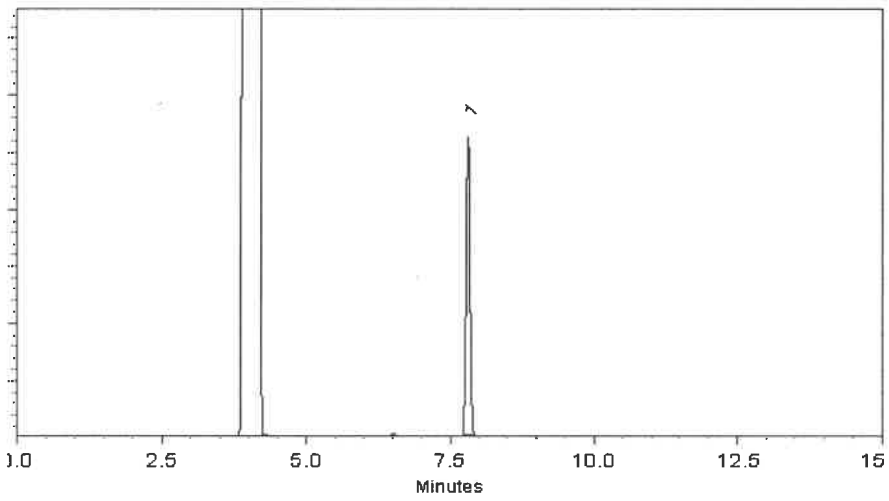
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
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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.)

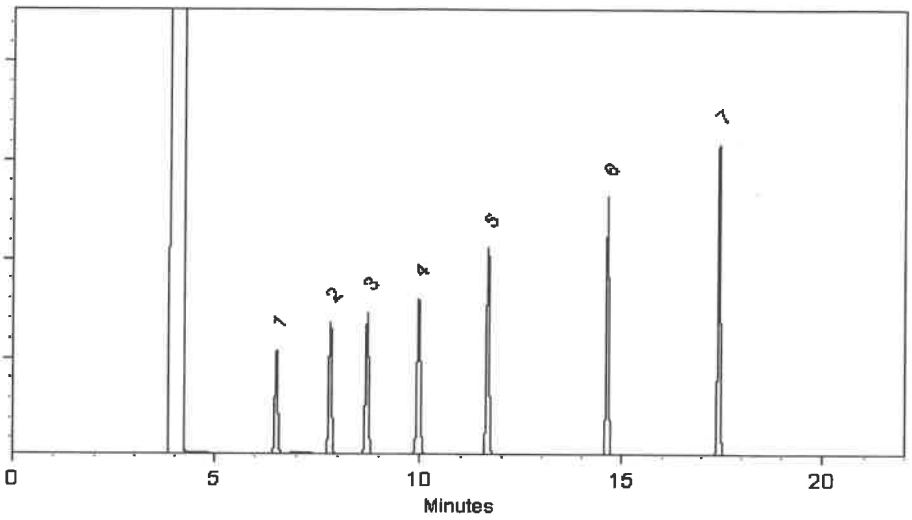
Inj. Temp:
200°C

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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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

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.)

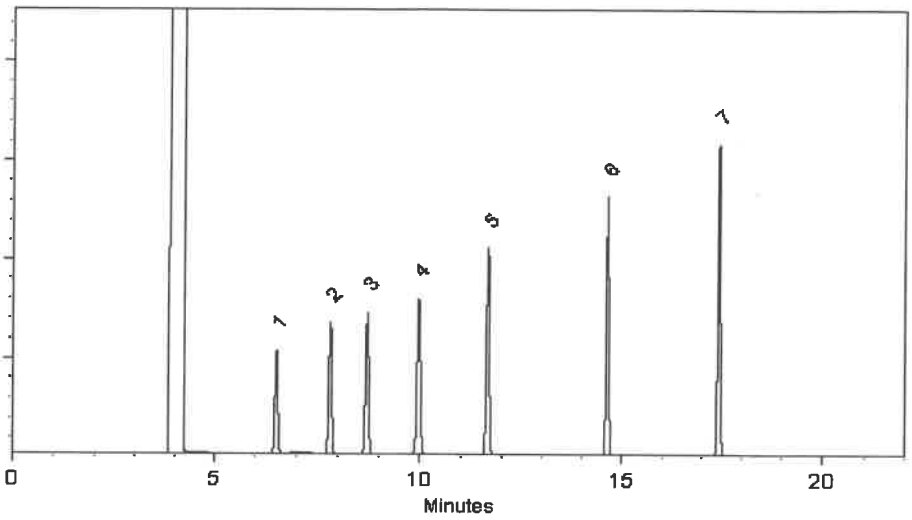
Inj. Temp:
200°C

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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- 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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- 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.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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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

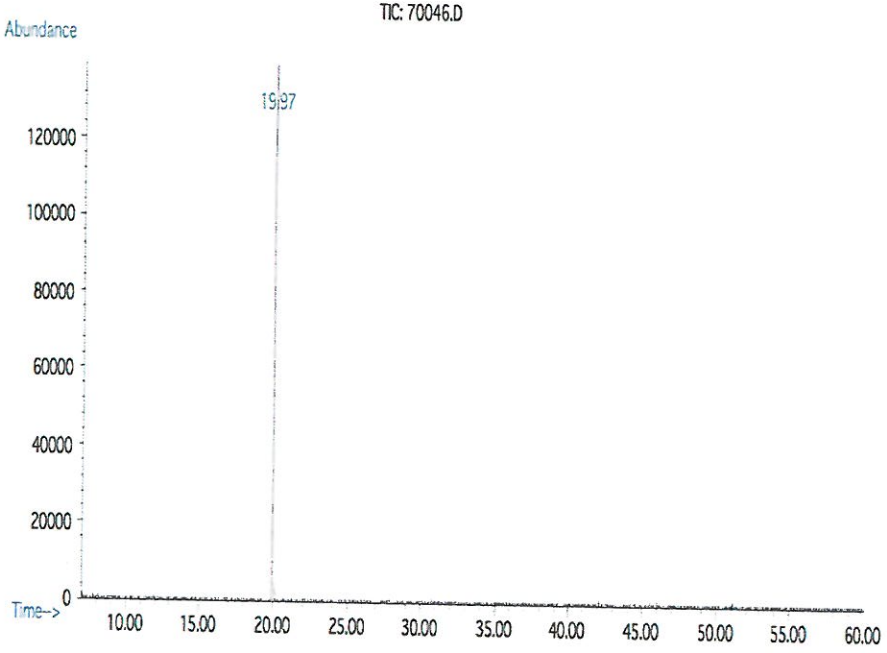
Weight(s) shown below were combined and diluted to (mL): 25.0

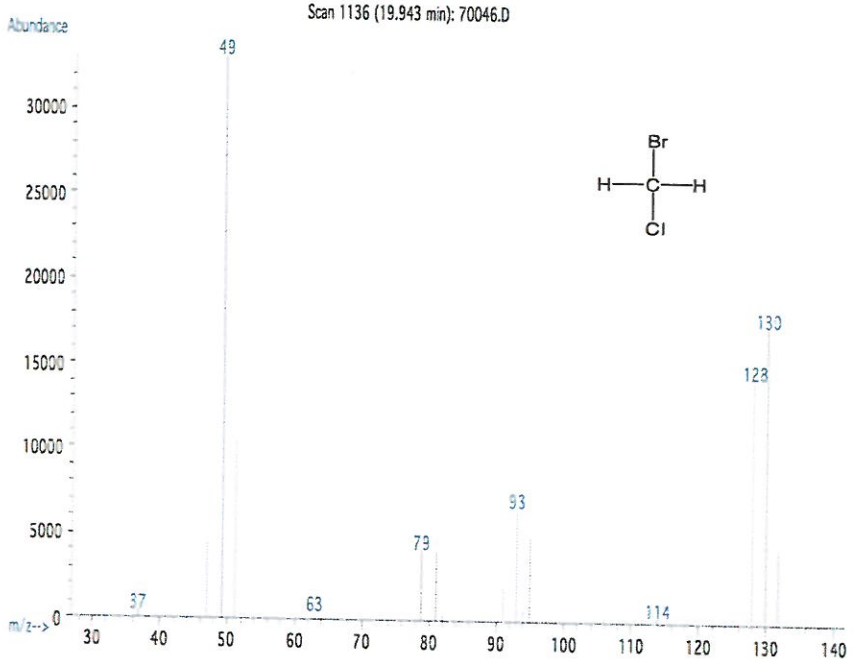
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

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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Methanol
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Country of Origin: USA
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James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
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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

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Performance Tested for Use in EPA Methods
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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

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	P5306-01	38.40-32.59=5.81	12:01	38.00-32.58=5.42	12:02	35.94-30.25=5.69	12:03	V14143	12/18/2024	8260 TERRACORE SAMPLES
2	P5306-03	38.42-32.59=5.83	12:04	37.84-32.24=5.6	12:05	35.26-30.20=5.06	12:06	V14143	12/18/2024	
3	P5306-05	37.34-32.21=5.13	12:07	38.71-32.67=6.04	12:08	35.44-30.01=5.43	12:09	V14143	12/18/2024	
4	P5306-07	37.50-32.189=5.31	12:10	37.56-32.26=5.3	12:11	34.96-29.93=5.03	12:12	V14143	12/18/2024	
5	P5306-09	36.60-32.679=3.92	12:13	37.54-32.31=5.23	12:14	35.22-30.13=5.09	12:15	V14143	12/18/2024	
6	P5306-11	36.99-32.40=4.59	12:16	38.16-32.21=5.95	12:17	35.19-30.07=5.12	12:18	V14143	12/18/2024	
7	P5306-13	38.26-32.719=5.54	12:19	38.63-32.55=6.08	12:20	36.00-30.07=5.93	12:21	V14143	12/18/2024	
8	P5306-15	37.66-32.569=5.09	12:22	37.51-32.61=4.9	12:23	34.65-30.07=4.58	12:24	V14143	12/18/2024	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

P5306

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Drive Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	P. Moran

Requested Turnaround Time
5-Day ☐ 10-Day ☒
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Equis EDD
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	Total and SPLP Vanadium
	004-VSL-07-121224	12/12/24	1000	Grab	S	U	3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-08-121224		1010				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-09-121224		1020				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-10-121224		1030				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-11-121224		1040				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-12-121224		1050				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-13-121224		1100				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-14-121224		1110				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-06R-121224	↓	1115	↓	↓	↓	0	2	0													X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) DI Water

Relinquished by: (signature)	Date/Time: 12/13/24 1130	Client Comments: DI water preserved samples frozen on 12/12/24
Received by: (signature)	Date/Time: 12-17-24 9:50	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP,LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

IR Gun #1 2.4°

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 : P5306 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 12/17/2024 10:24:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 12/17/2024 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5306-01	OU4-VSL-07-121224	Solid	12/12/2024	10:00					
					VOCMS Group3		8260D		10 Bus. Days
P5306-03	OU4-VSL-08-121224	Solid	12/12/2024	10:10					
					VOCMS Group3		8260D		10 Bus. Days
P5306-05	OU4-VSL-09-121224	Solid	12/12/2024	10:20					
					VOCMS Group3		8260D		10 Bus. Days
P5306-07	OU4-VSL-10-121224	Solid	12/12/2024	10:30					
					VOCMS Group3		8260D		10 Bus. Days
P5306-09	OU4-VSL-11-121224	Solid	12/12/2024	10:40					
					VOCMS Group3		8260D		10 Bus. Days
P5306-11	OU4-VSL-12-121224	Solid	12/12/2024	10:50					
					VOCMS Group3		8260D		10 Bus. Days
P5306-13	OU4-VSL-13-121224	Solid	12/12/2024	11:00					
					VOCMS Group3		8260D		10 Bus. Days
P5306-15	OU4-VSL-14-121224	Solid	12/12/2024	~~11:15~~ 11:10					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P5306 NOBI03	**Order Date :**	12/17/2024 10:24:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	12/17/2024 9:50:00 AM	**EDD Type :**	EQUIS
Invoice Name :	Nobis Group	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Adam Roy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By : _____
Date / Time : 12-17-24 1230

Received By : _____
Date / Time : 12.17.24 12:30

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
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

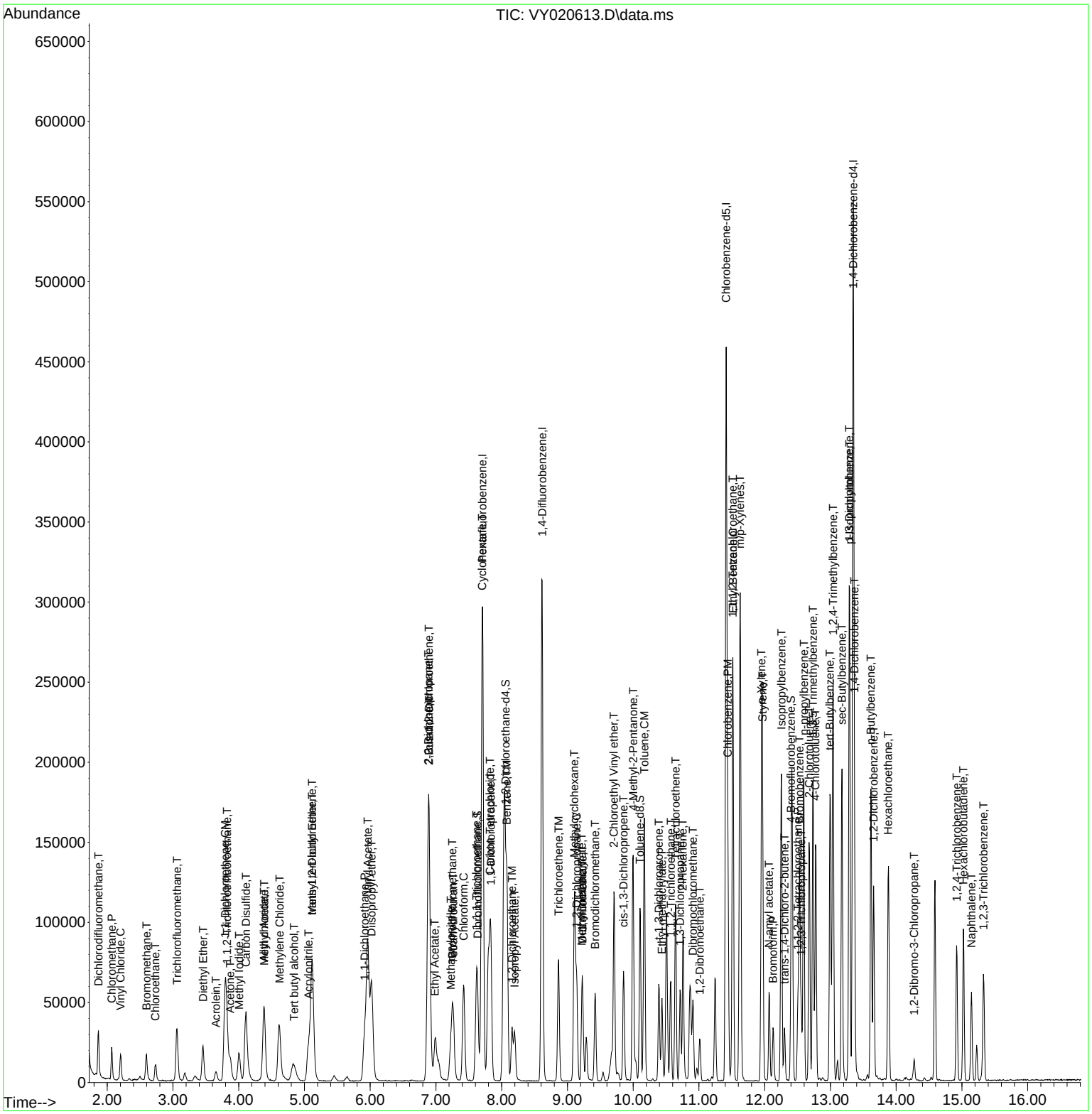
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

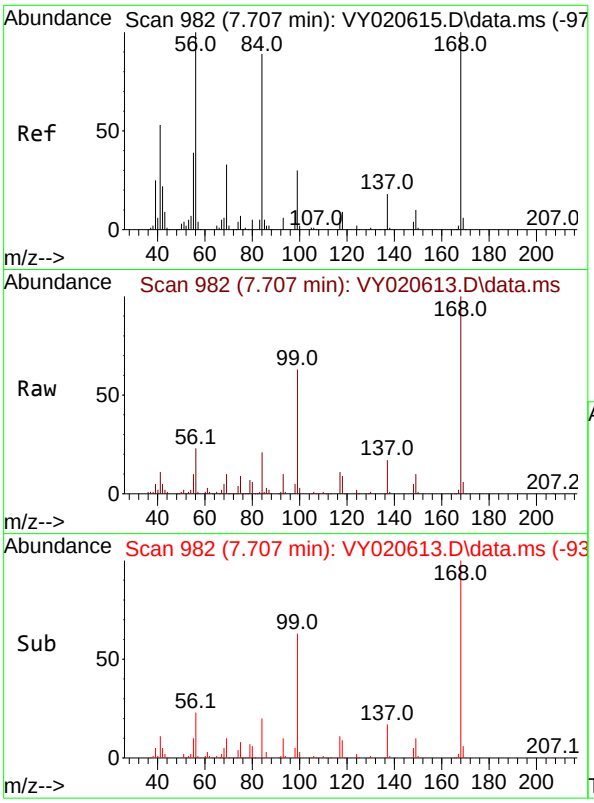
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
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



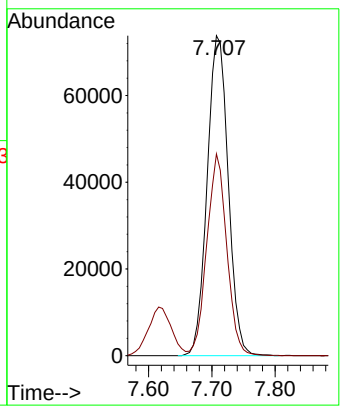


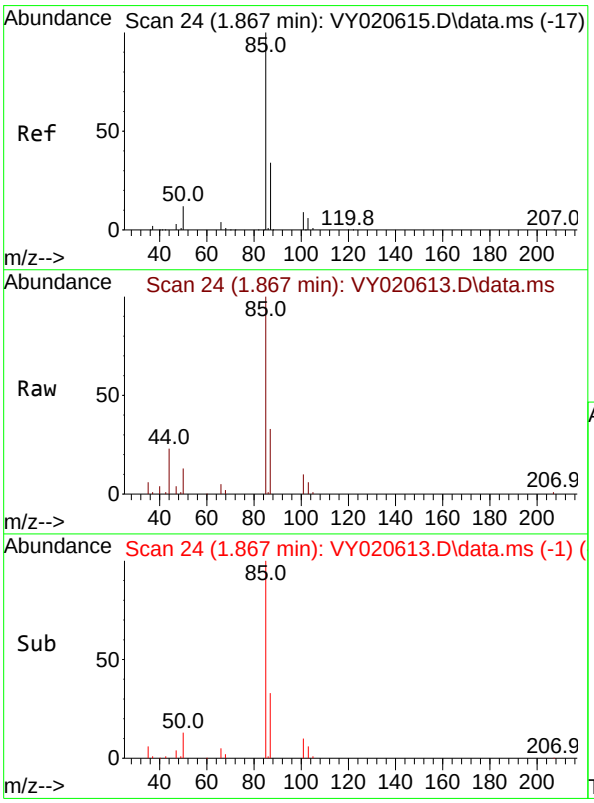
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 170610

Ion	Ratio	Lower	Upper
168	100		
99	62.9	47.0	70.6

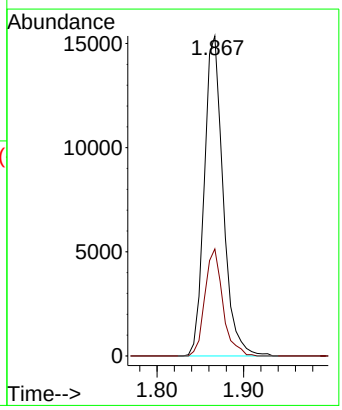


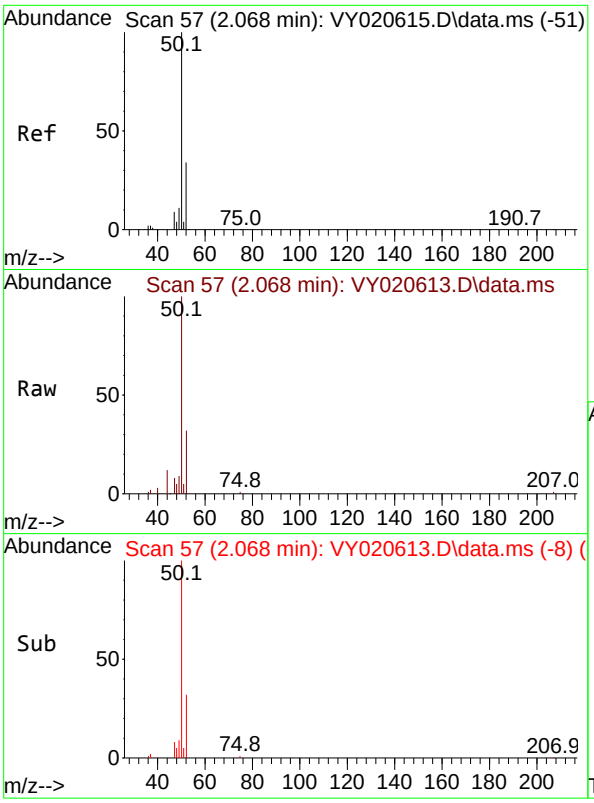


#2
Dichlorodifluoromethane
Concen: 10.857 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 85 Resp: 23136

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3



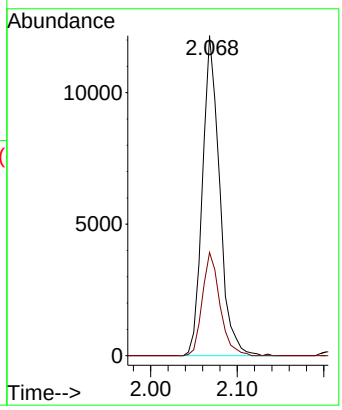


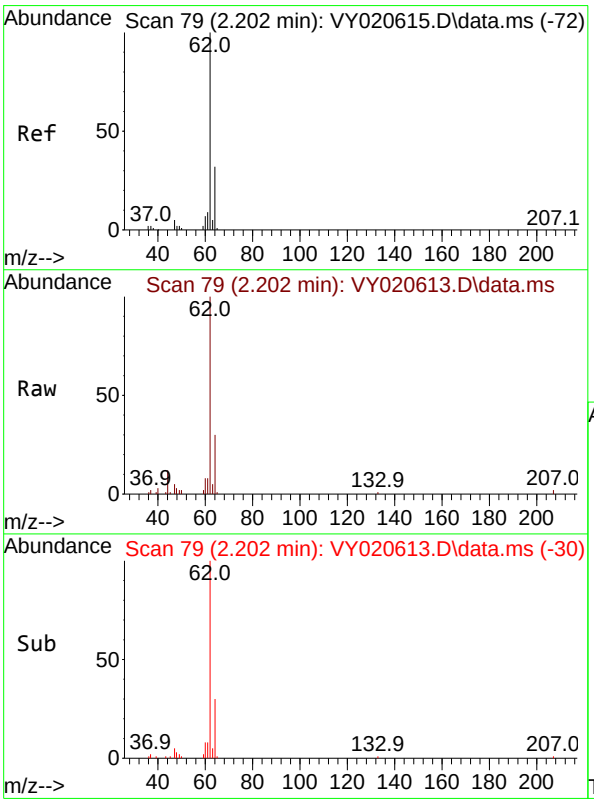
#3
Chloromethane
Concen: 10.599 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 16735

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2

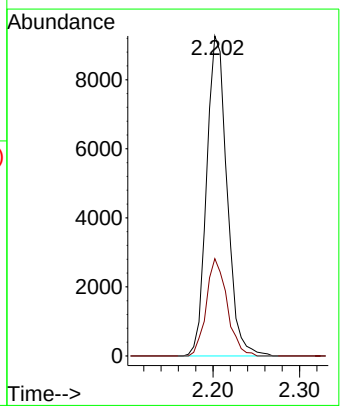


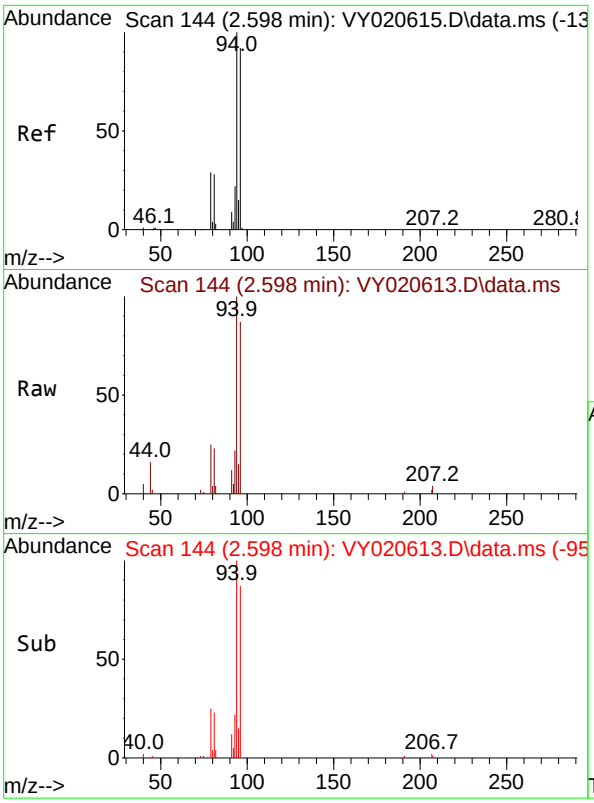


#4
Vinyl Chloride
Concen: 10.297 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 15133

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9



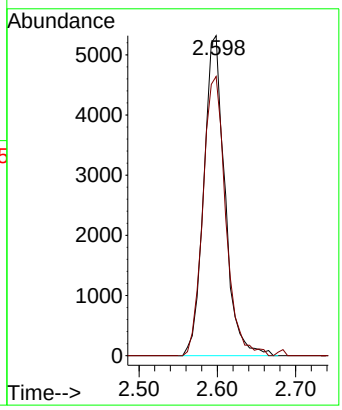


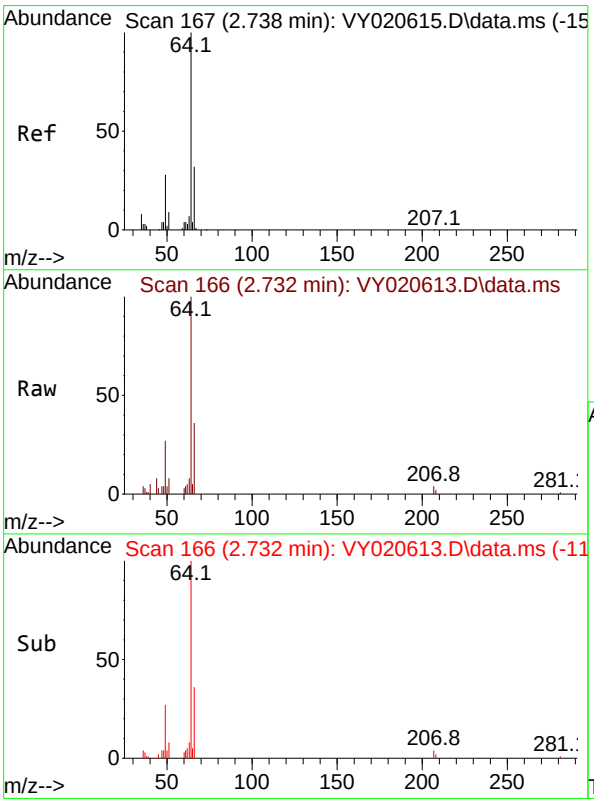
#5
Bromomethane
Concen: 10.516 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 9934

Ion	Ratio	Lower	Upper
94	100		
96	87.3	73.8	110.6

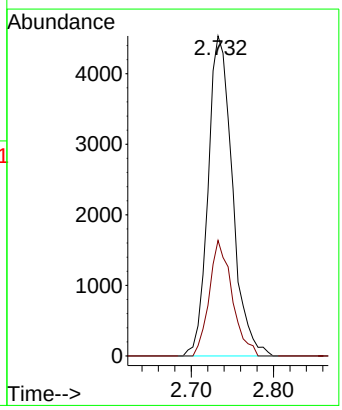


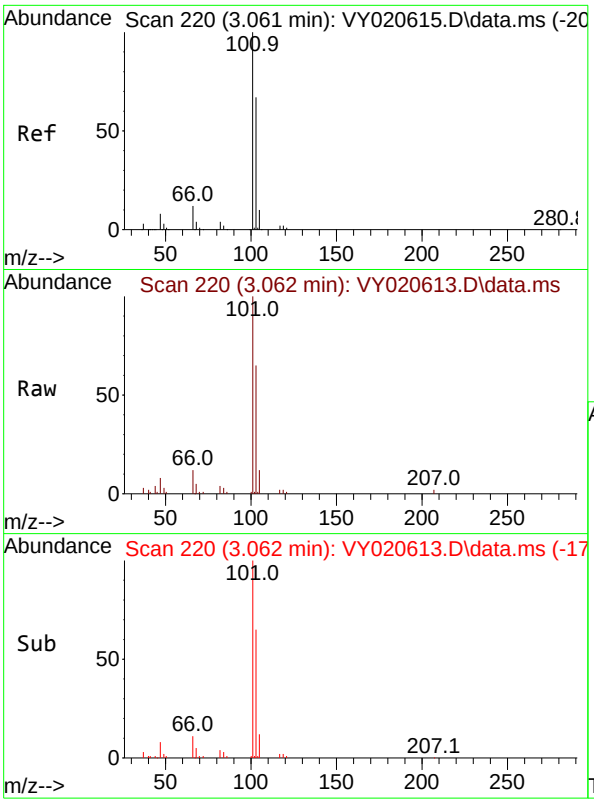


#6
Chloroethane
Concen: 10.249 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 64 Resp: 9308

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.8	38.6



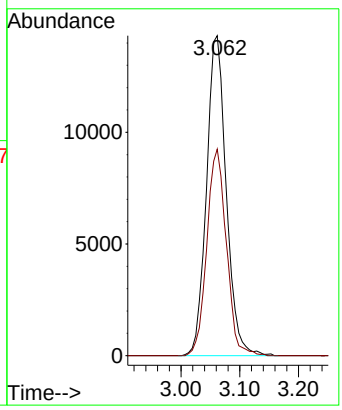


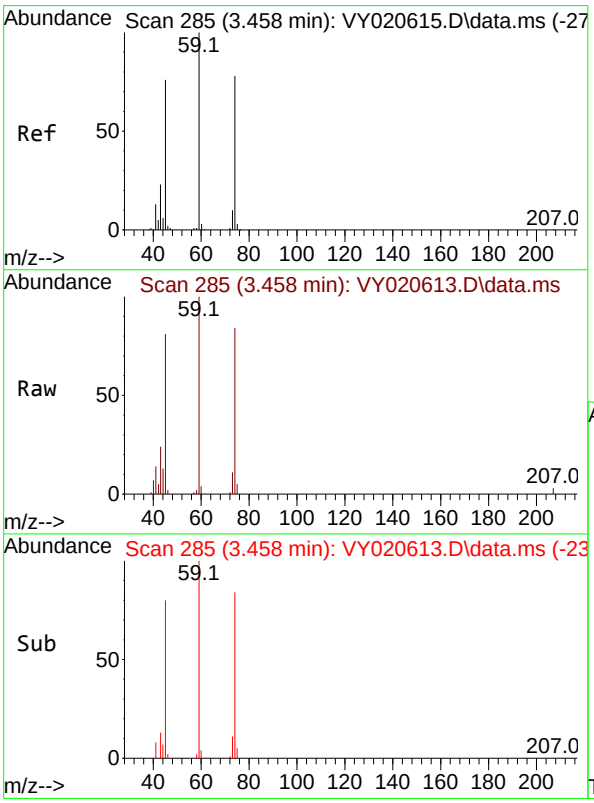
#7
Trichlorofluoromethane
Concen: 10.882 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33462

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0

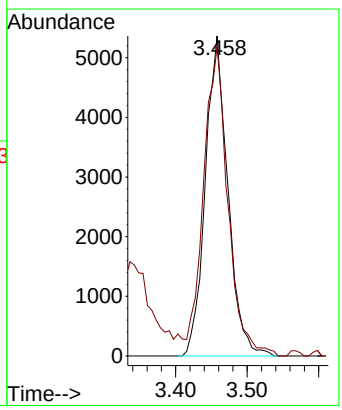


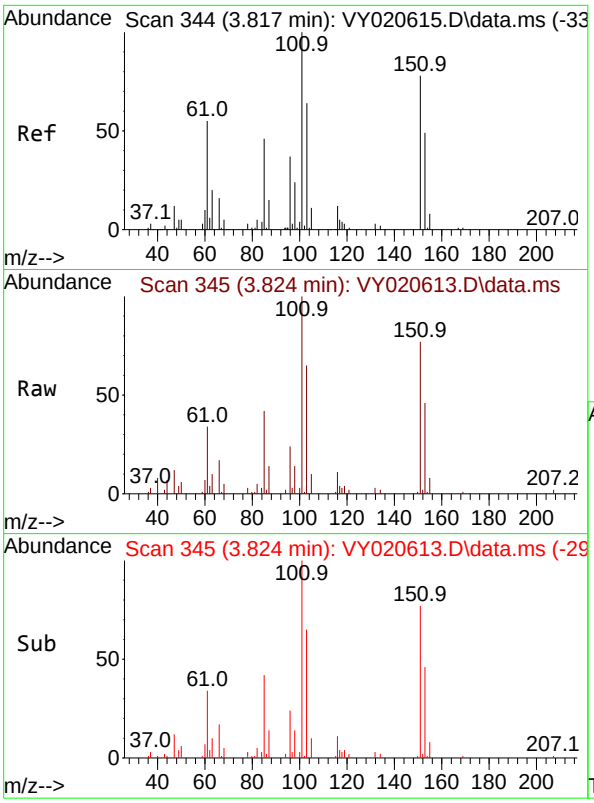


#8
Diethyl Ether
Concen: 10.941 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 74 Resp: 11799

Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.0	147.2



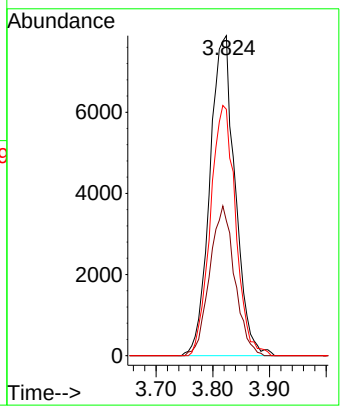


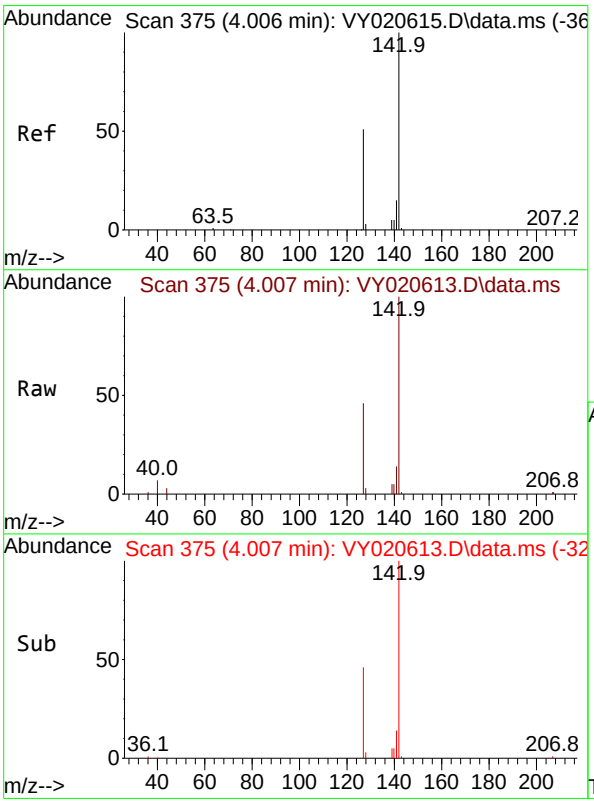
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.062 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

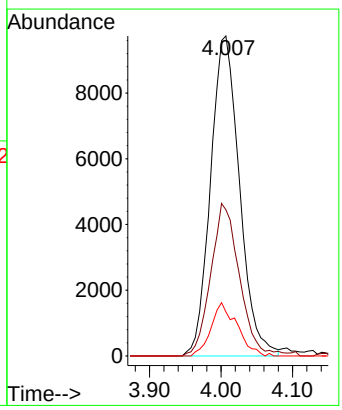


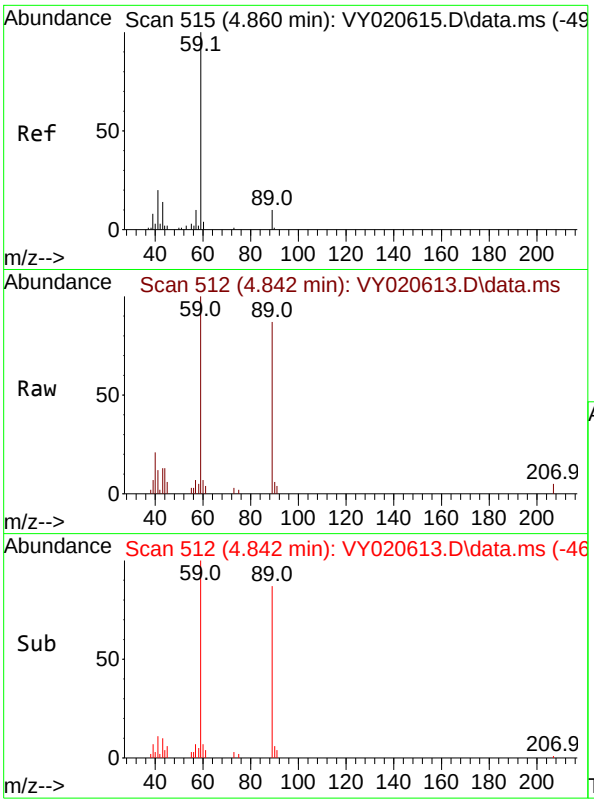


#10
Methyl Iodide
Concen: 11.166 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



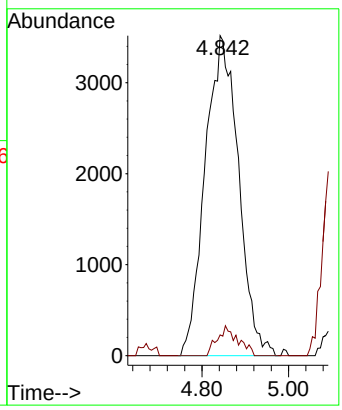


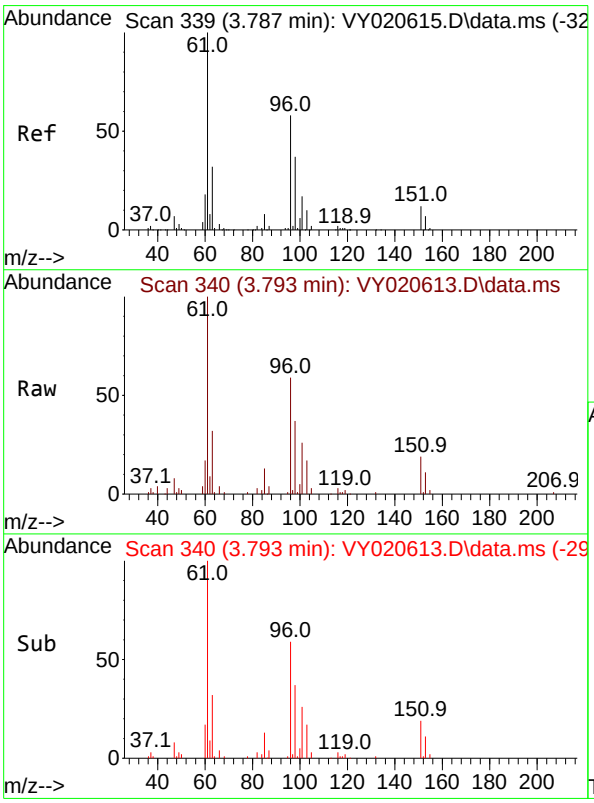
#11
Tert butyl alcohol
Concen: 72.145 ug/l
RT: 4.842 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 18830

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#

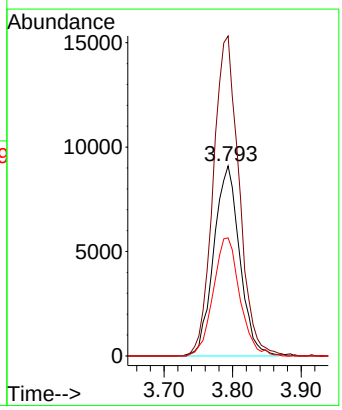


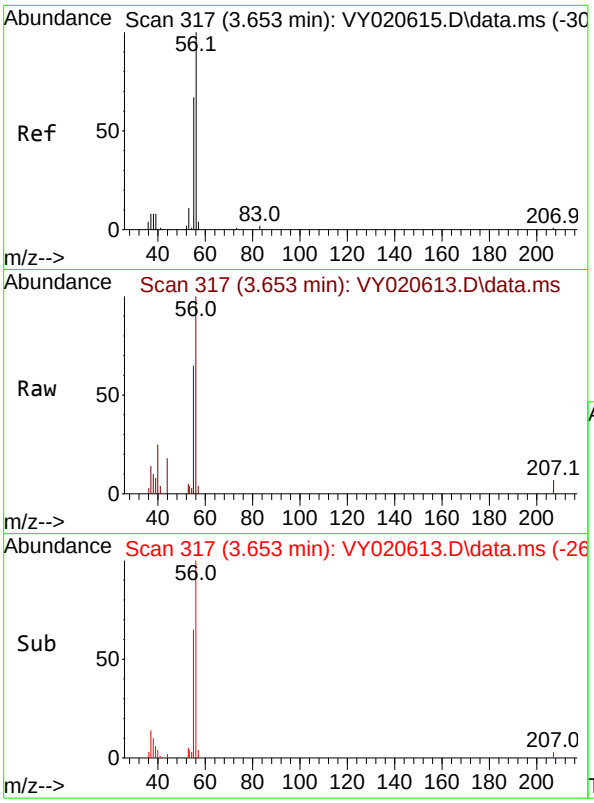


#12
1,1-Dichloroethene
Concen: 11.182 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



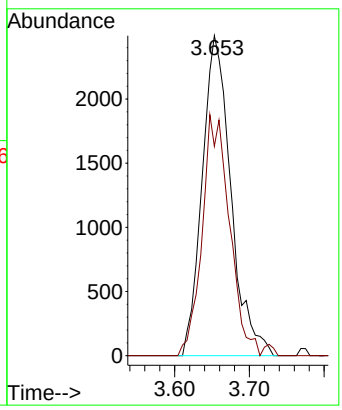


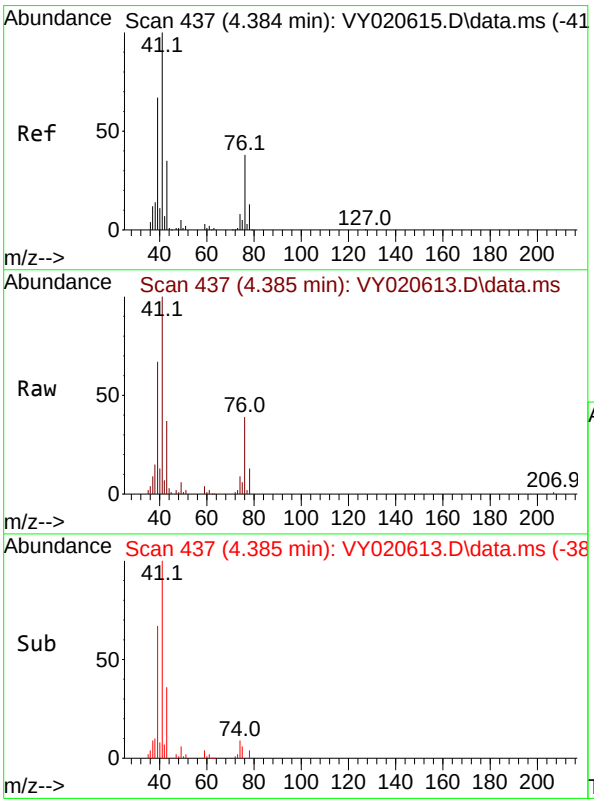
#13
Acrolein
Concen: 75.266 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 6650

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3

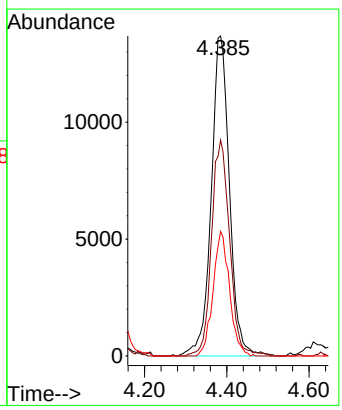


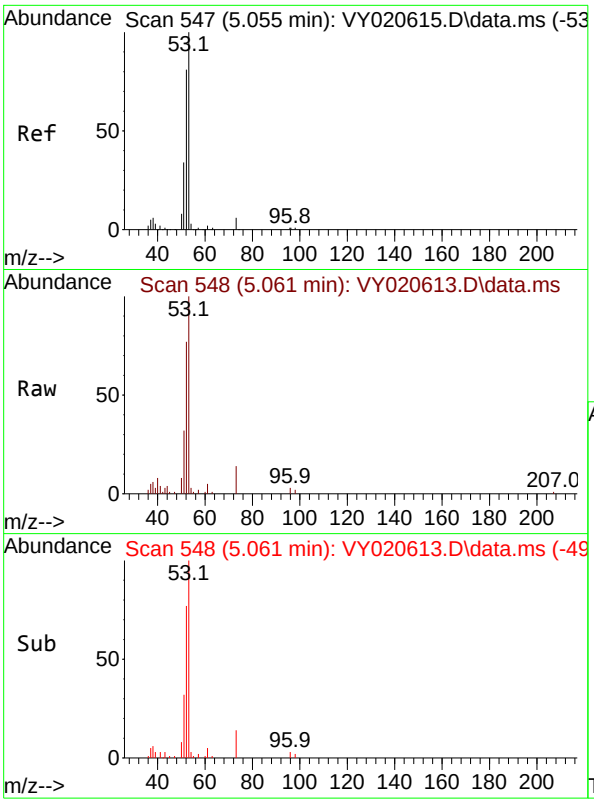


#14
Allyl chloride
Concen: 11.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



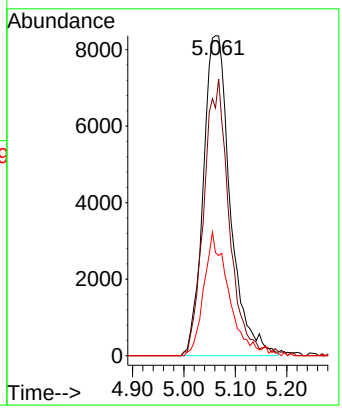


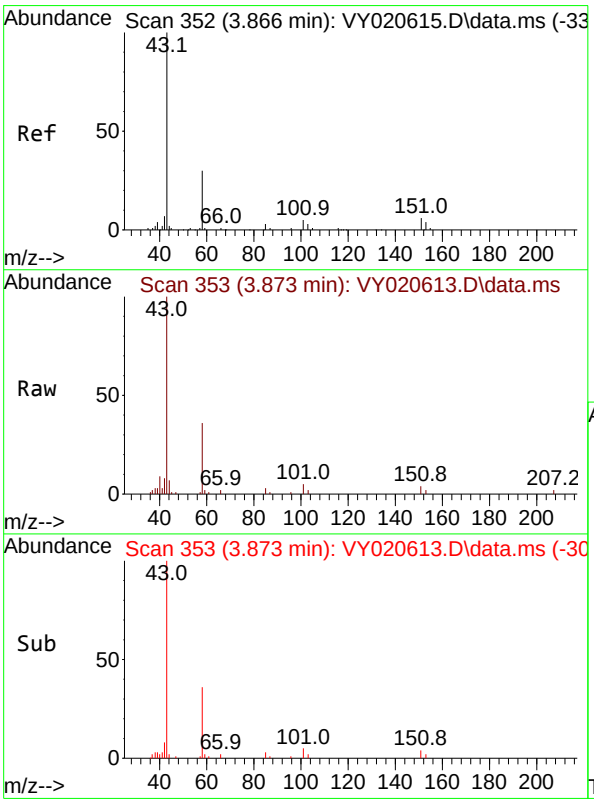
#15
Acrylonitrile
Concen: 59.095 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

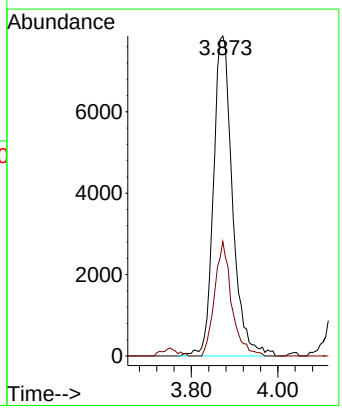


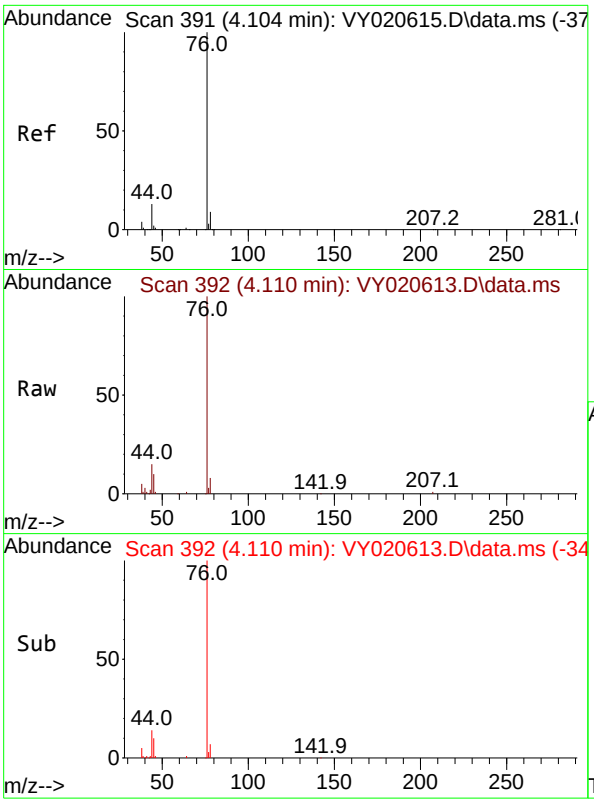


#16
Acetone
Concen: 59.918 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 24059

Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.0	37.6



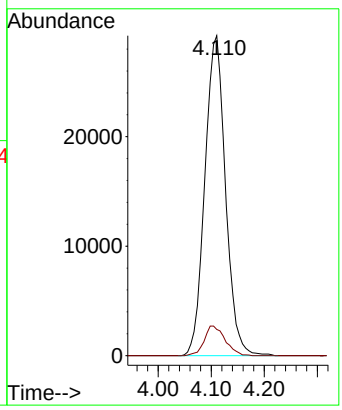


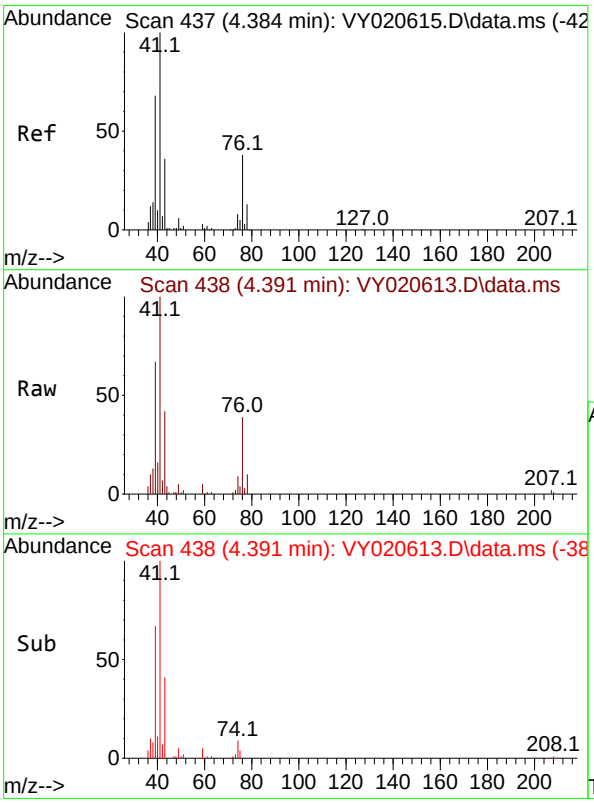
#17
Carbon Disulfide
Concen: 11.348 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 79000

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

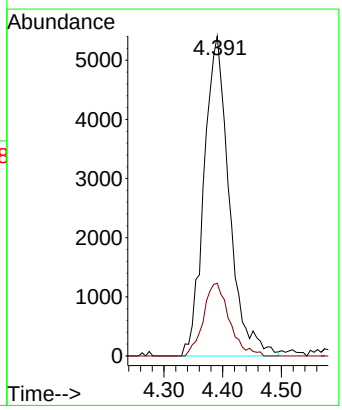


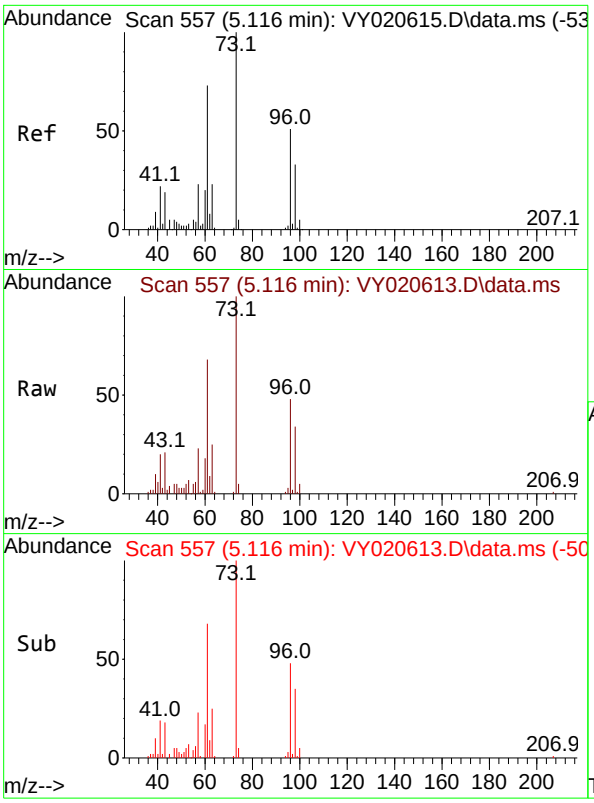


#18
Methyl Acetate
Concen: 12.714 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 16164

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8



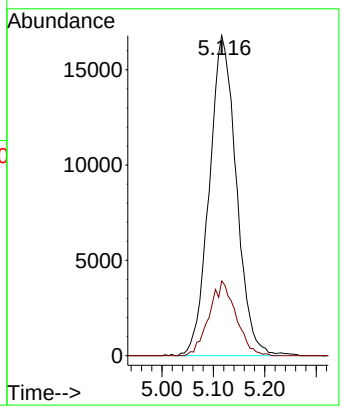


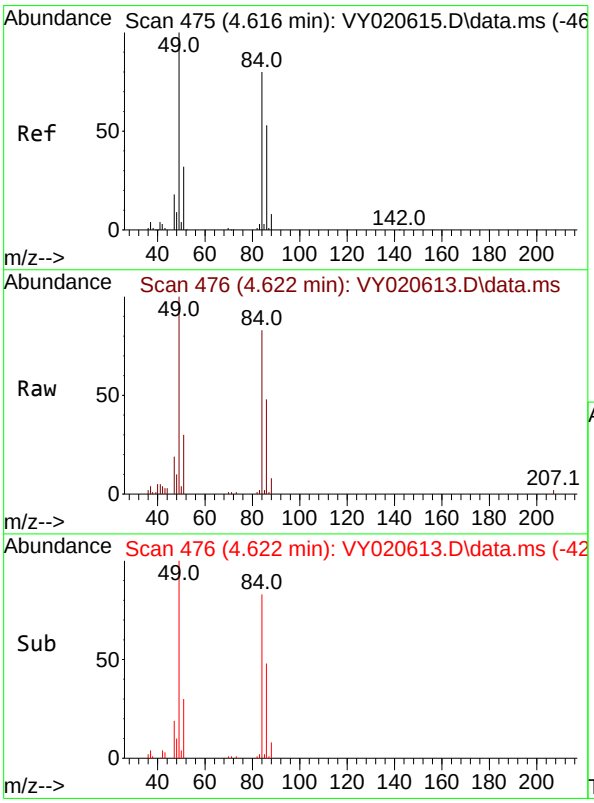
#19
Methyl tert-butyl Ether
Concen: 11.118 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 61370

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7

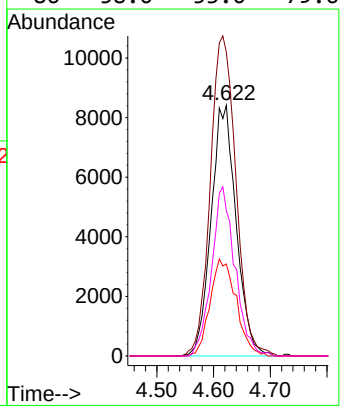


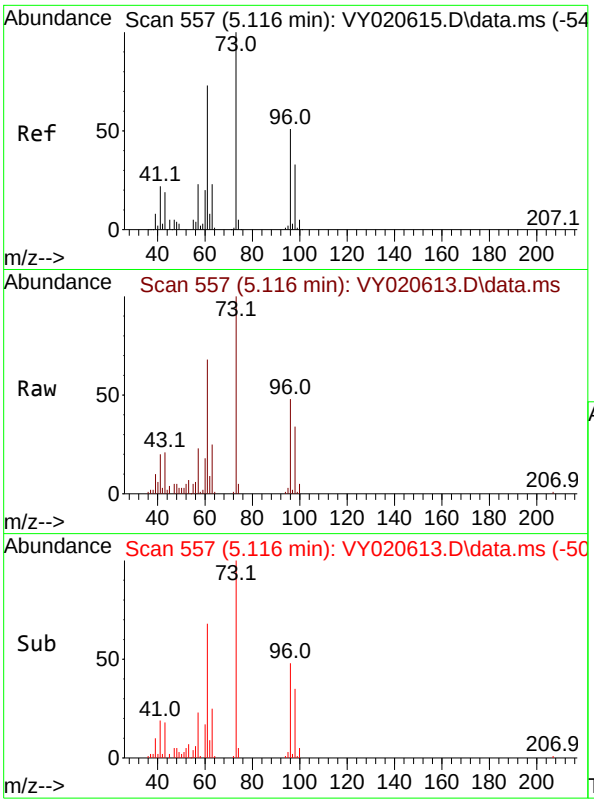


#20
Methylene Chloride
Concen: 11.126 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



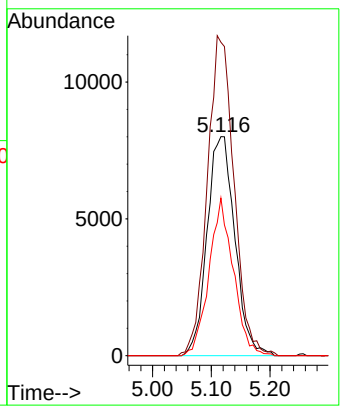


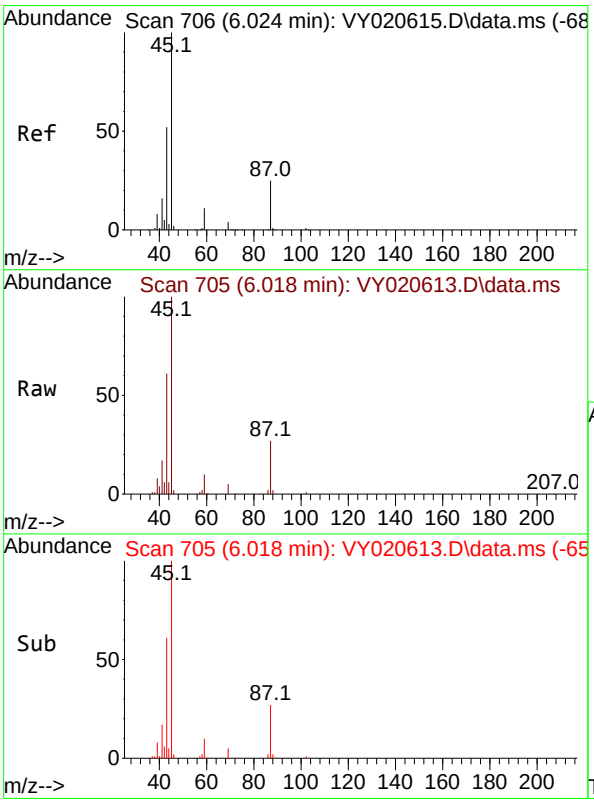
#21
trans-1,2-Dichloroethene
Concen: 10.969 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

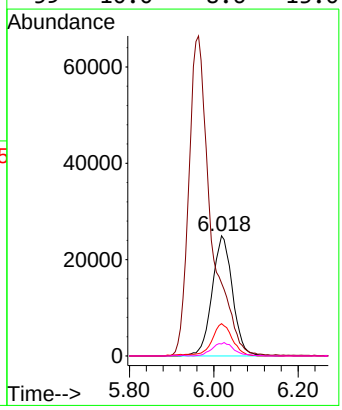


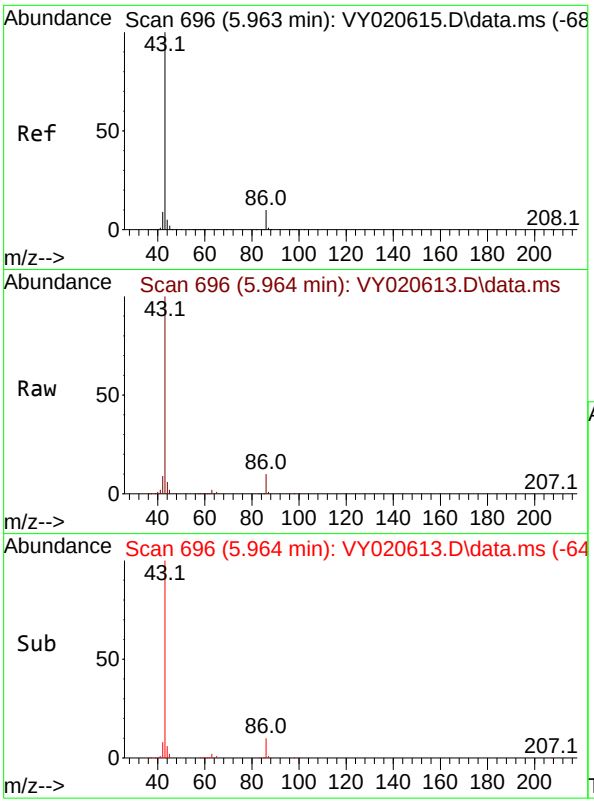


#22
Diisopropyl ether
Concen: 10.997 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



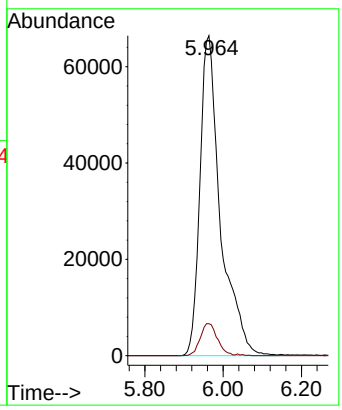


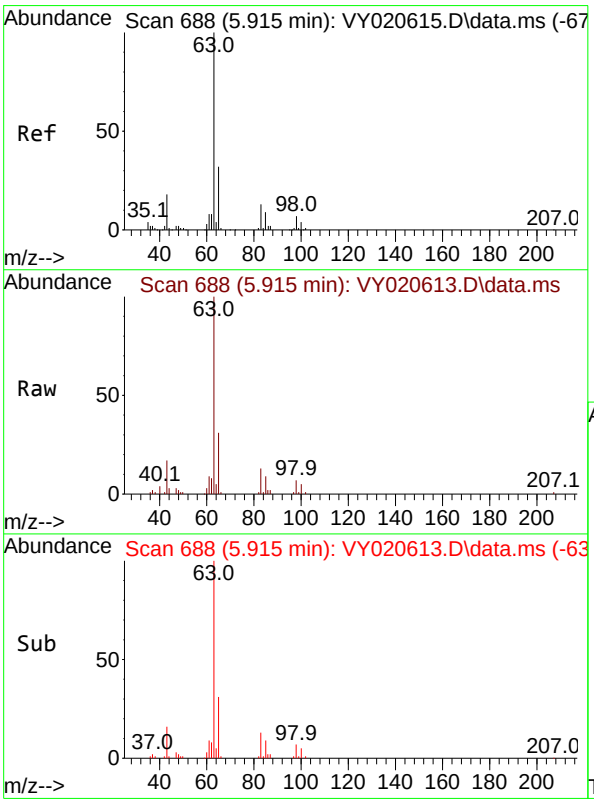
#23
Vinyl Acetate
Concen: 56.147 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241892

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

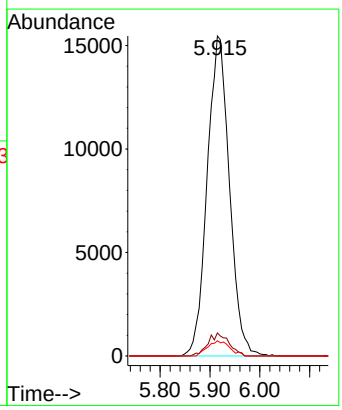


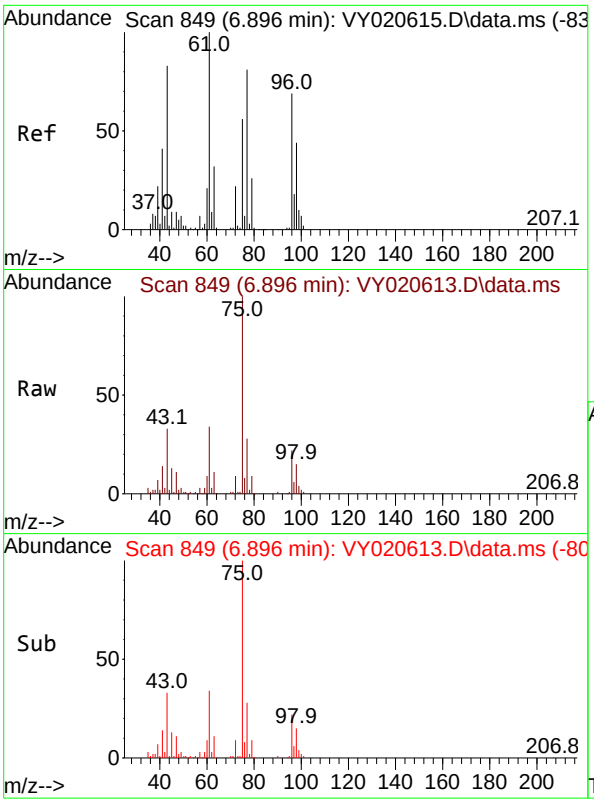


#24
1,1-Dichloroethane
Concen: 10.728 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



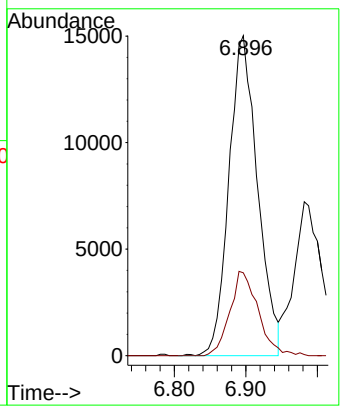


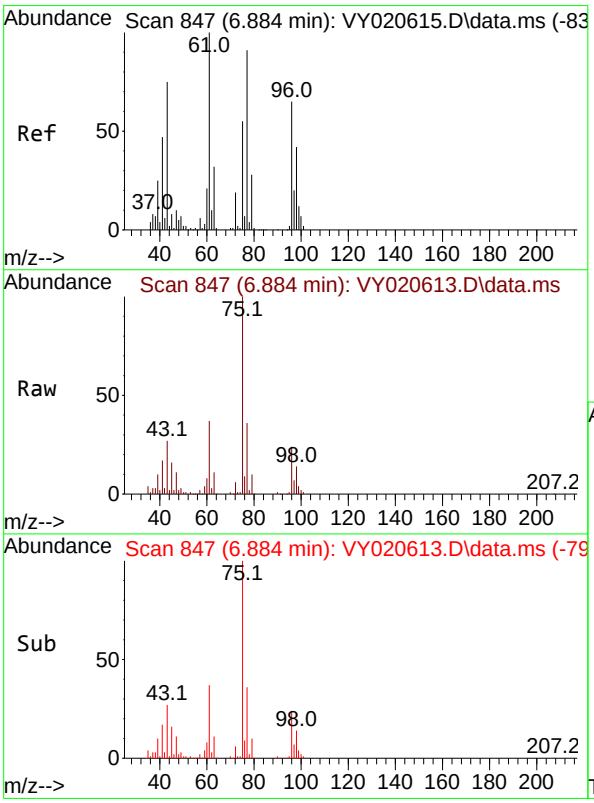
#25
2-Butanone
Concen: 60.169 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 41782

Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.6	31.0

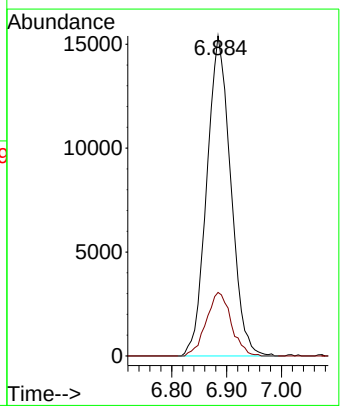


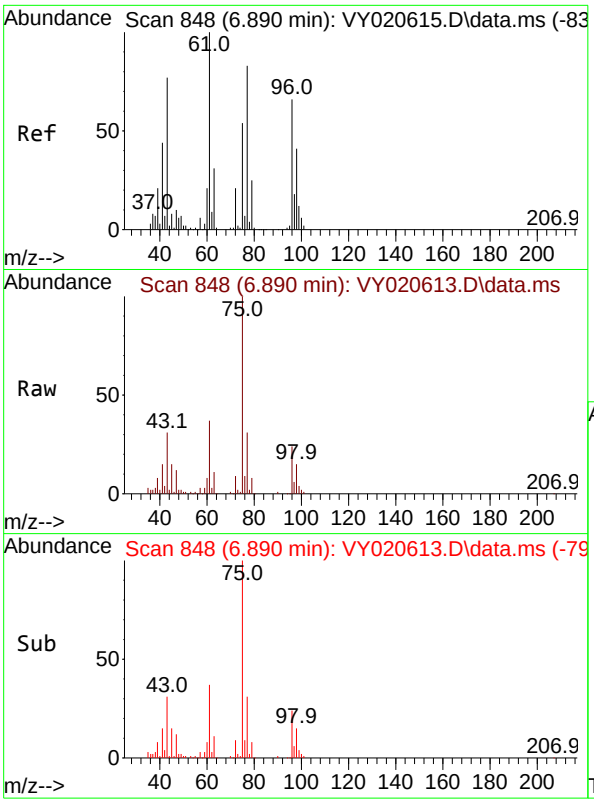


#26
2,2-Dichloropropane
Concen: 11.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 77 Resp: 46620

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.9	32.6



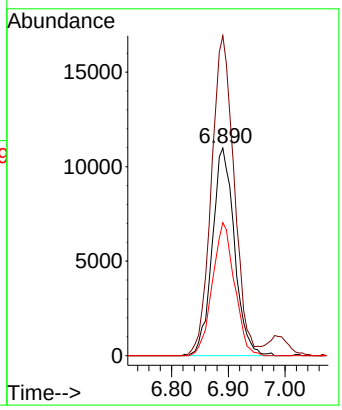


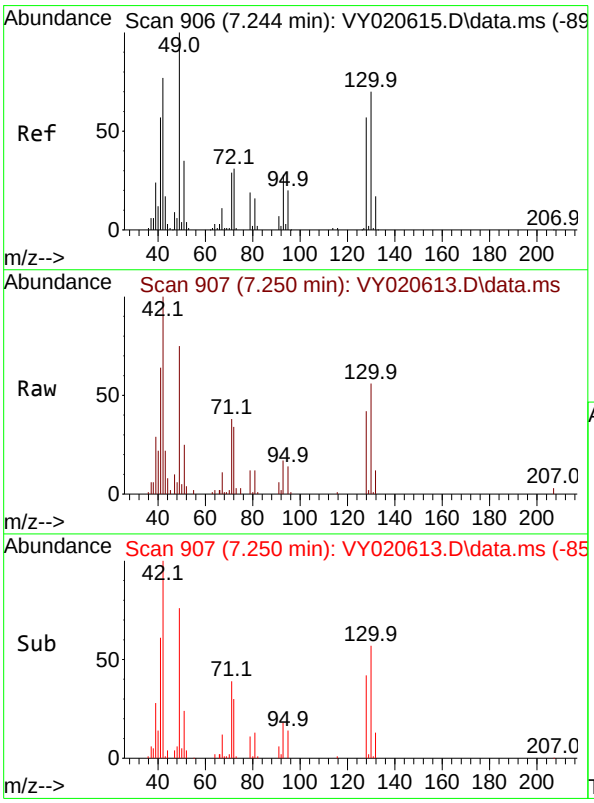
#27
cis-1,2-Dichloroethene
Concen: 10.812 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

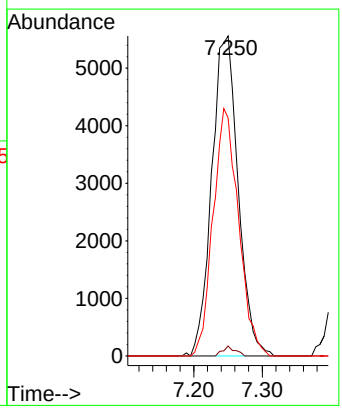


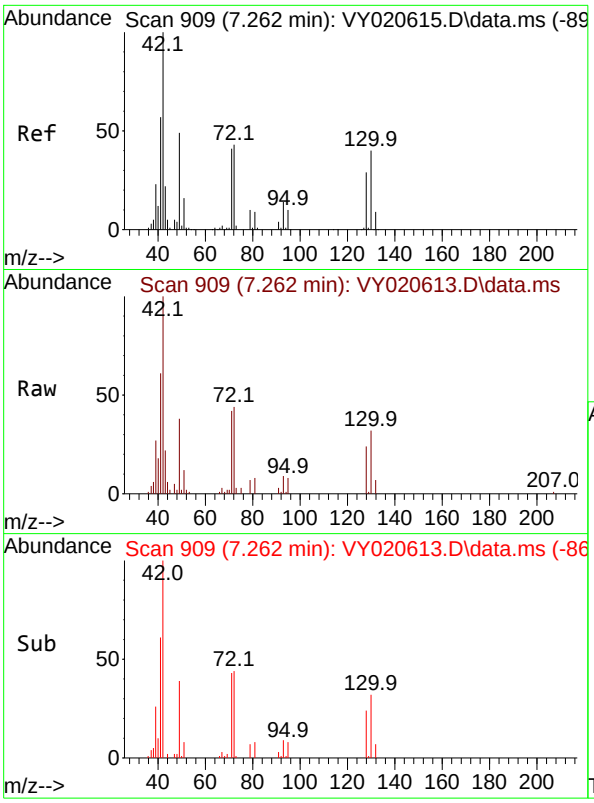


#28
Bromochloromethane
Concen: 9.894 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



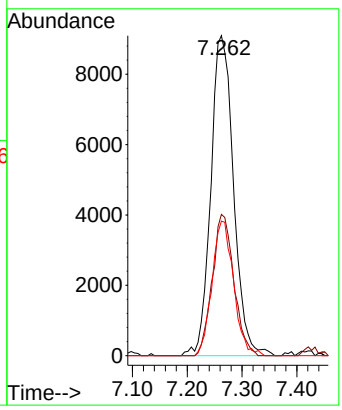


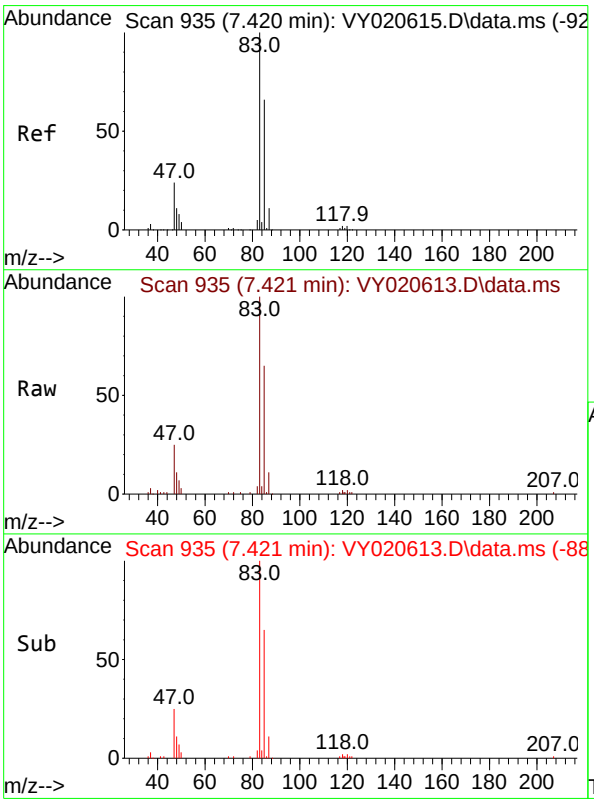
#29
Tetrahydrofuran
Concen: 59.842 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

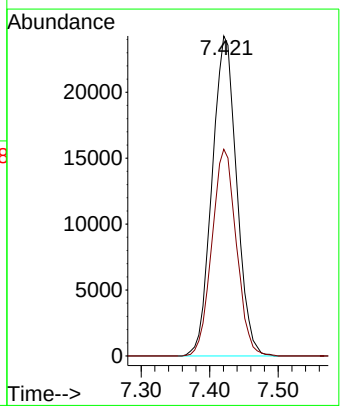


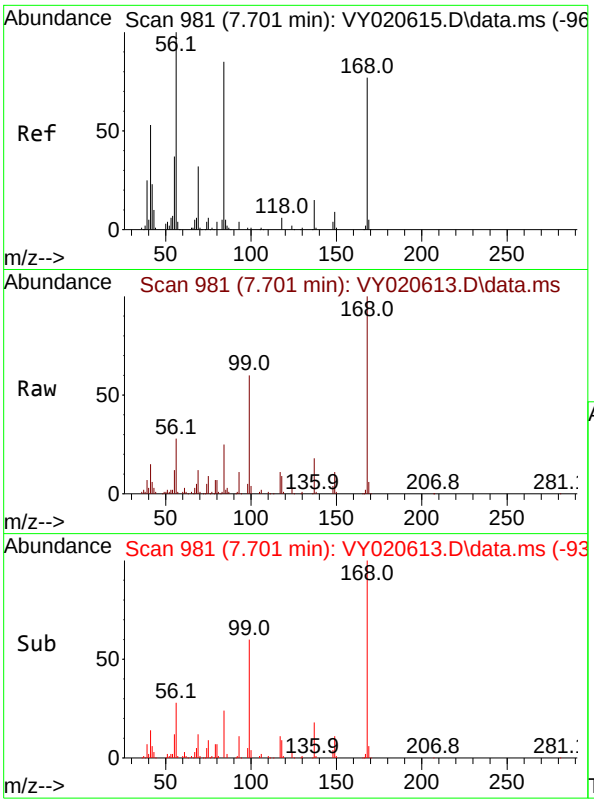


#30
Chloroform
Concen: 9.156 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 60327

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1



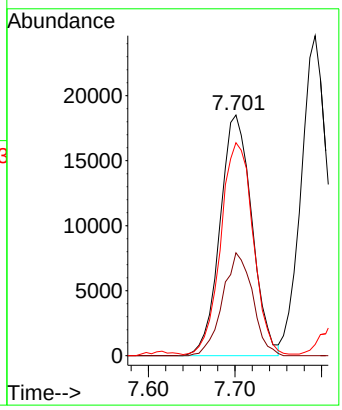


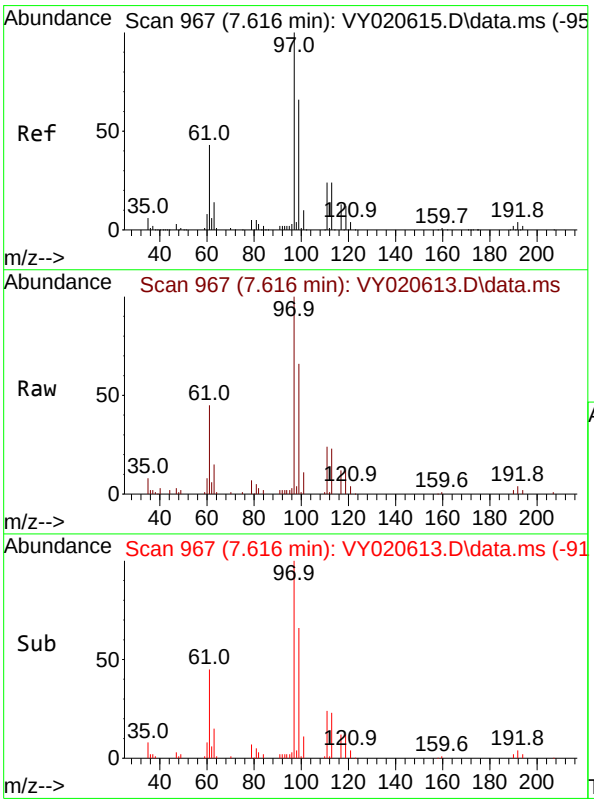
#31
Cyclohexane
Concen: 11.117 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

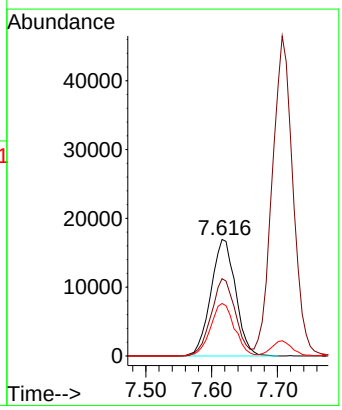


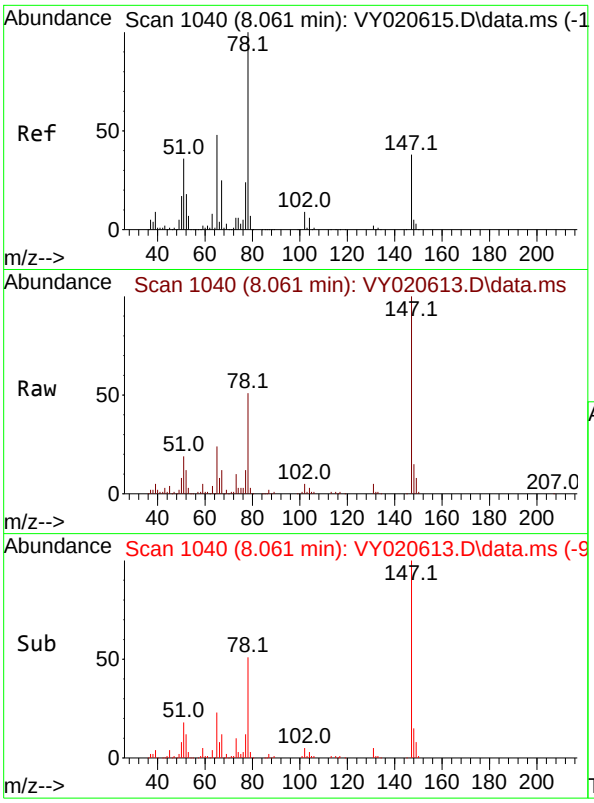


#32
1,1,1-Trichloroethane
Concen: 10.820 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



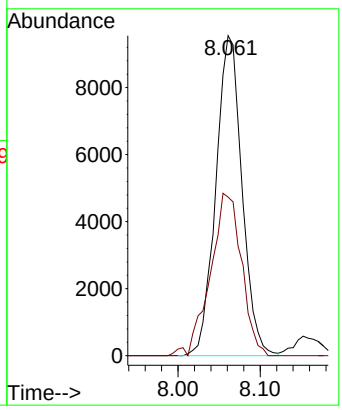


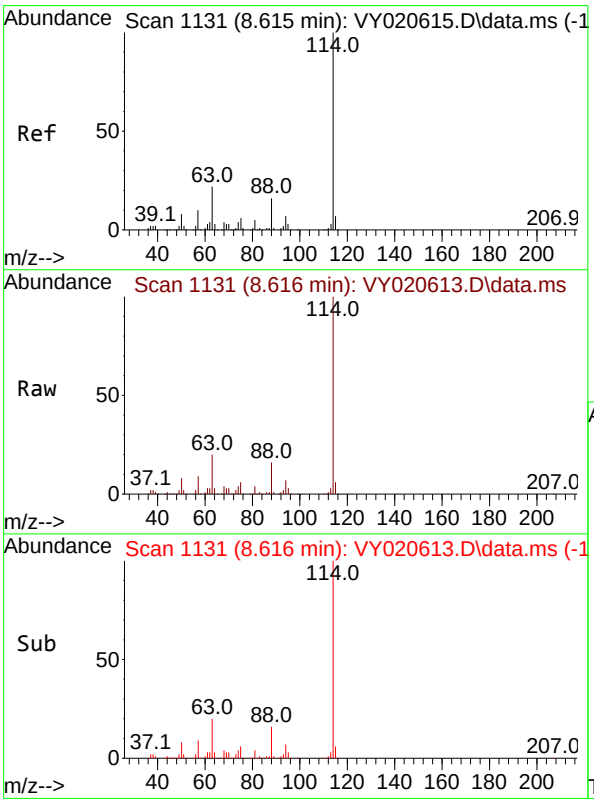
#33
1,2-Dichloroethane-d4
Concen: 11.310 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 21133

Ion	Ratio	Lower	Upper
65	100		
67	60.4	0.0	108.0

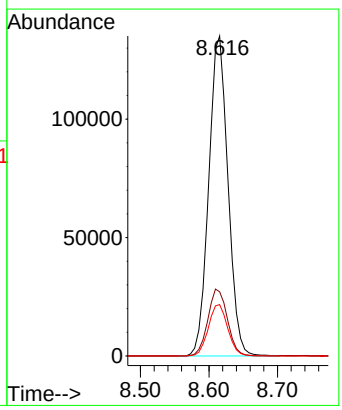


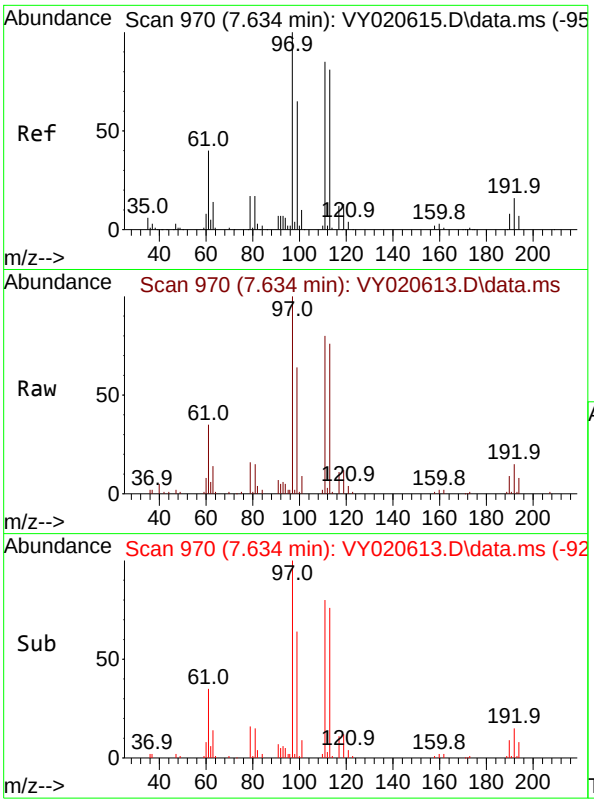


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



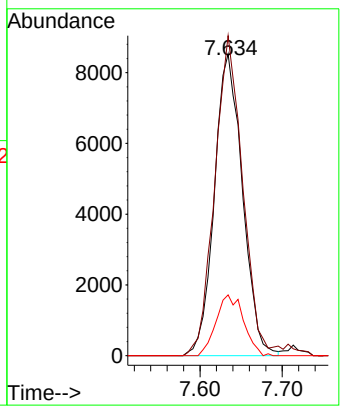


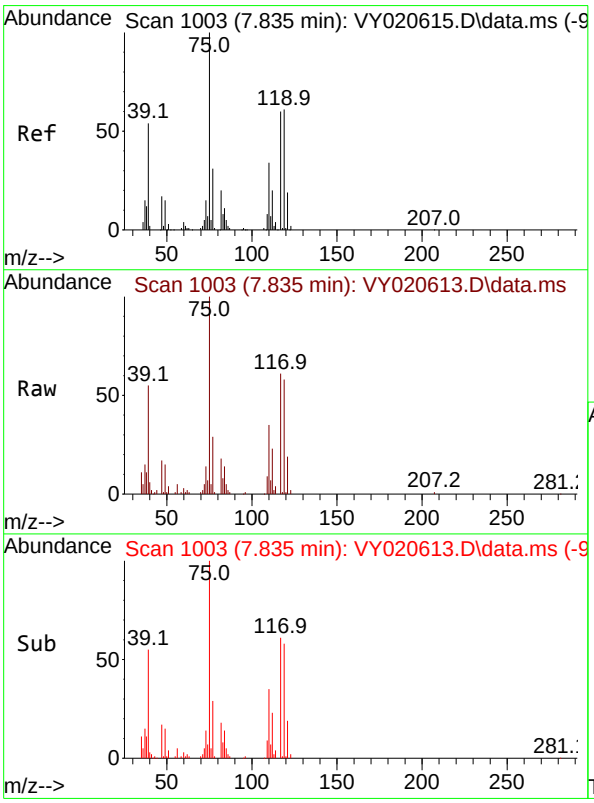
#35
Dibromofluoromethane
Concen: 10.925 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

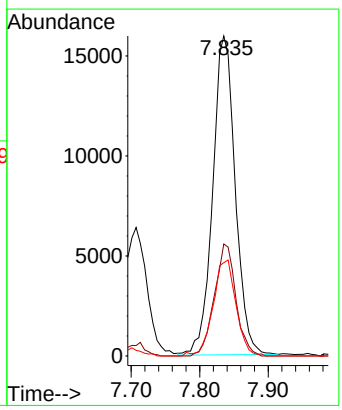


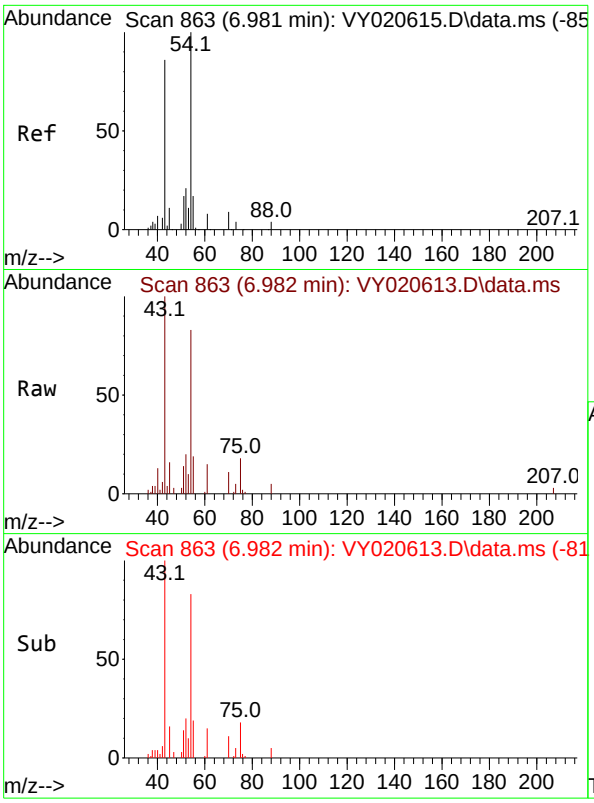


#36
1,1-Dichloropropene
Concen: 10.748 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



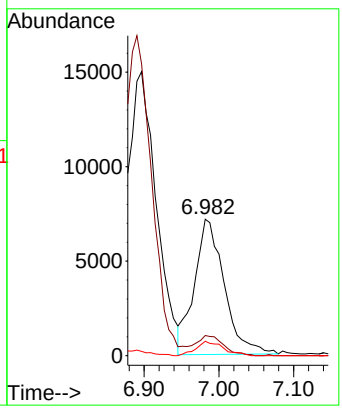


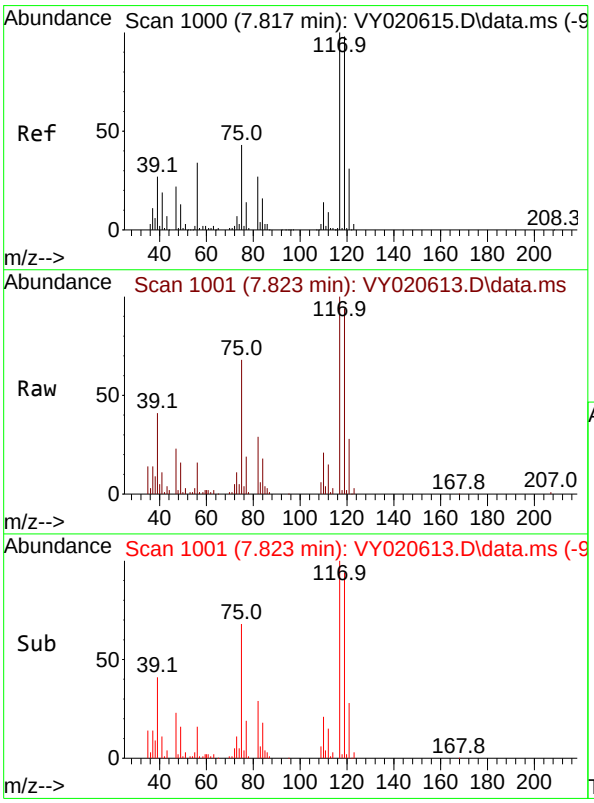
#37
Ethyl Acetate
Concen: 12.541 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

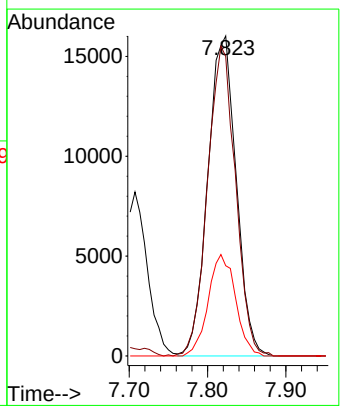


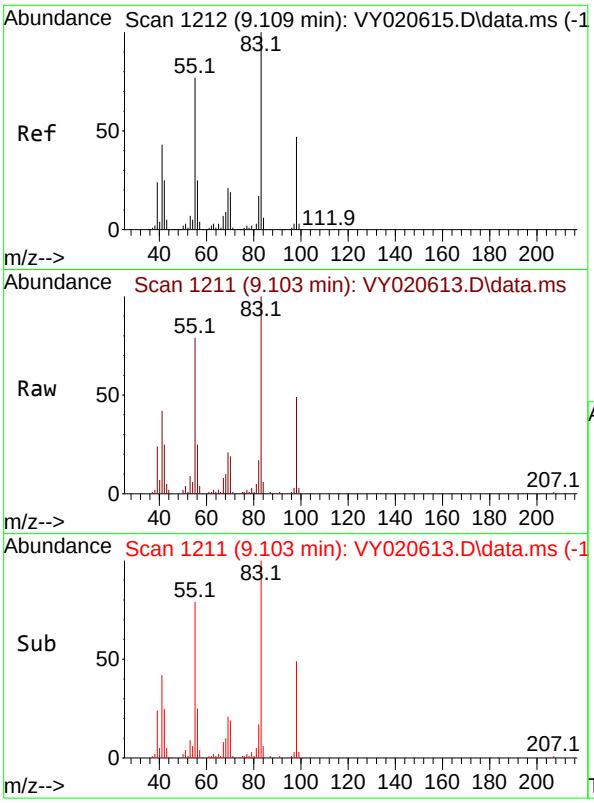


#38
Carbon Tetrachloride
Concen: 10.796 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



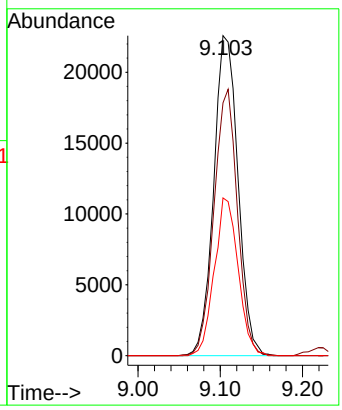


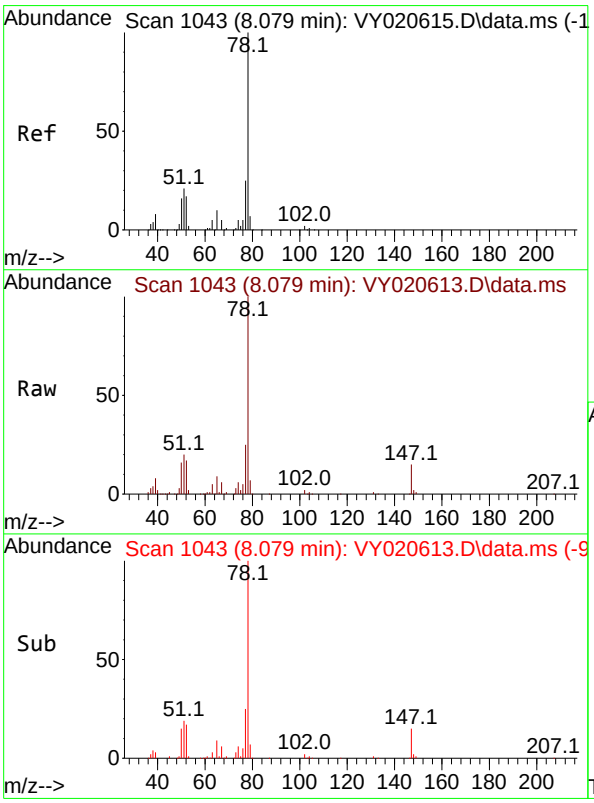
#39
Methylcyclohexane
Concen: 10.541 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

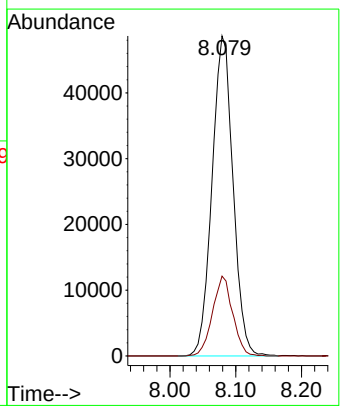


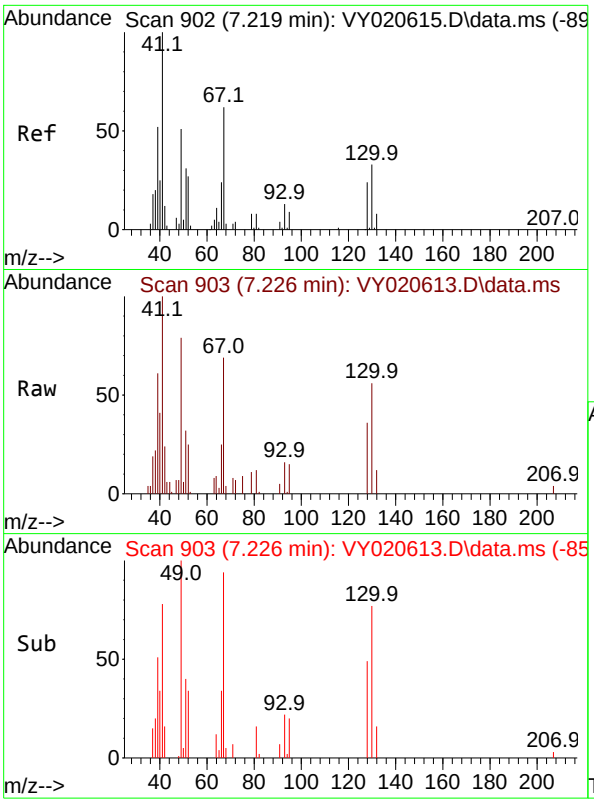


#40
Benzene
Concen: 10.910 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 78 Resp: 108150

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1



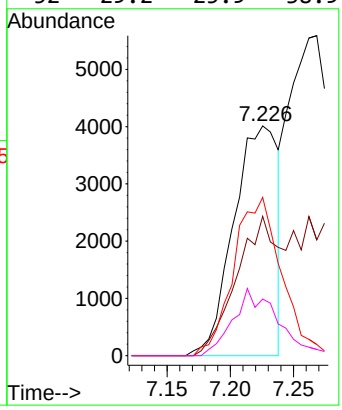


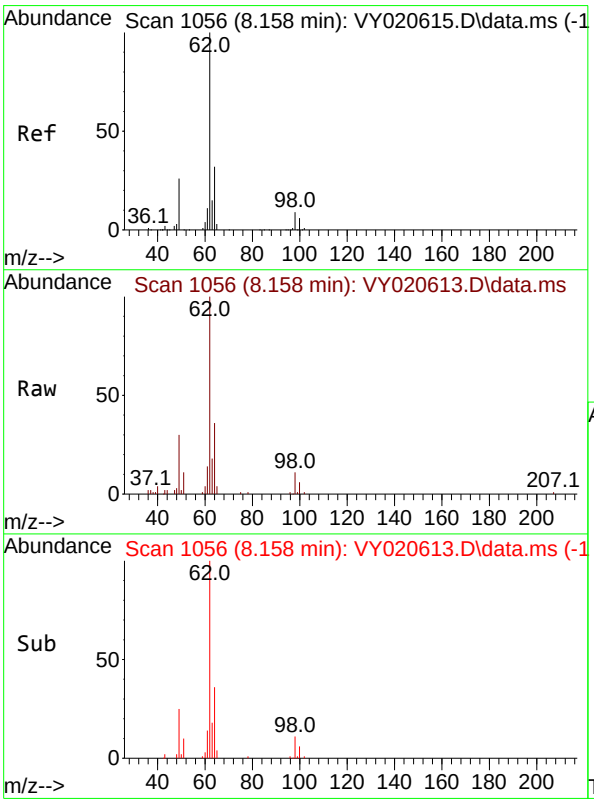
#41
Methacrylonitrile
Concen: 11.653 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

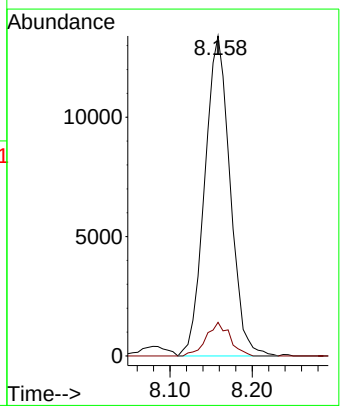


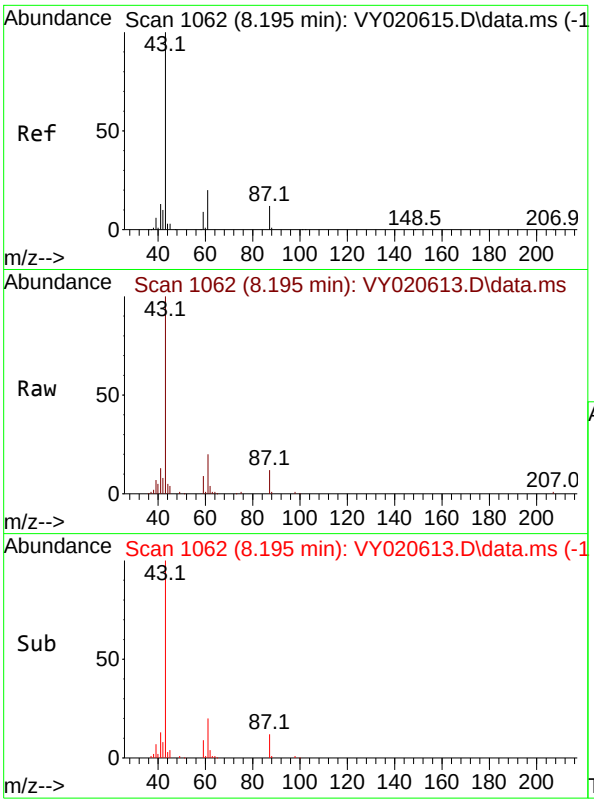


#42
1,2-Dichloroethane
Concen: 10.931 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 28739

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.0



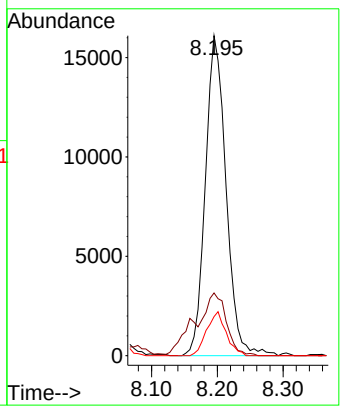


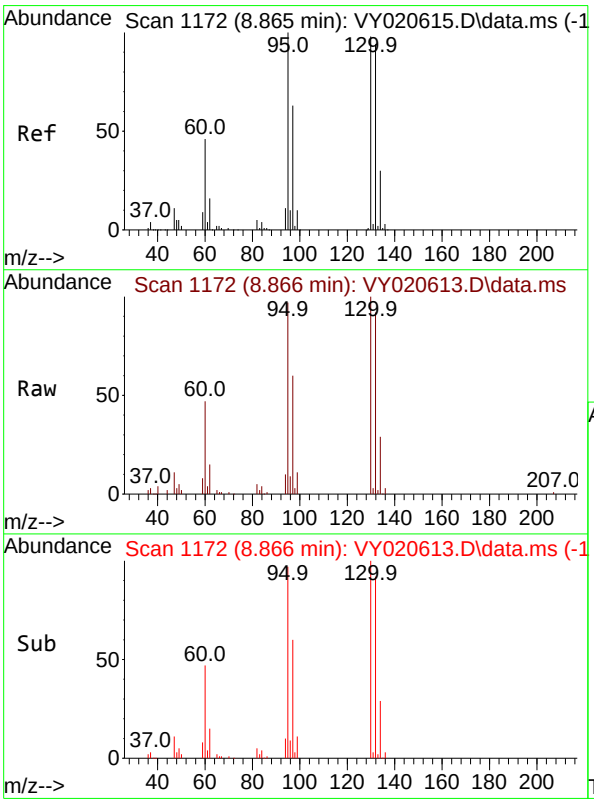
#43
Isopropyl Acetate
Concen: 11.721 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

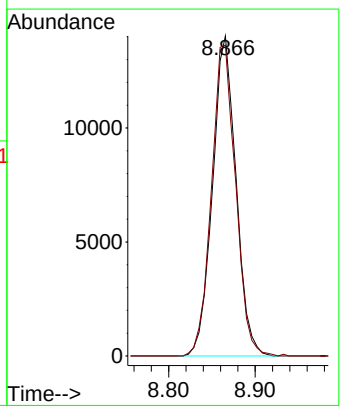


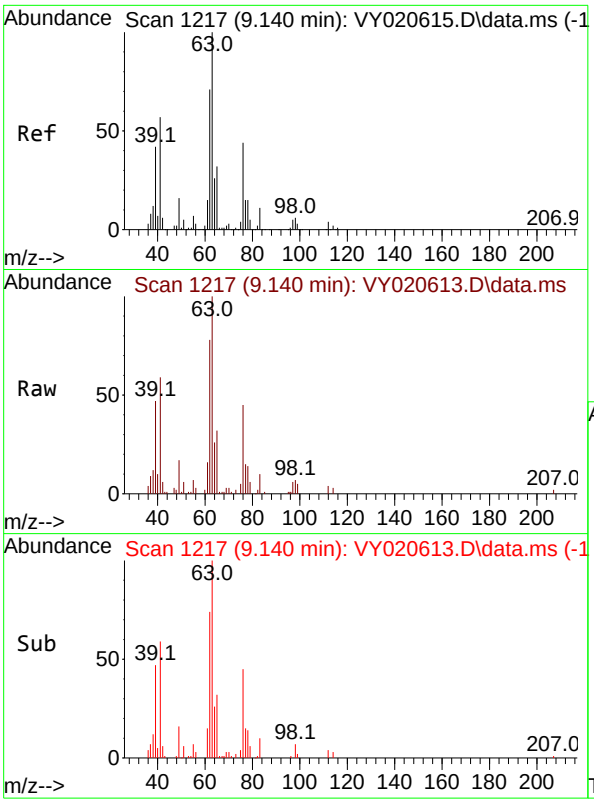


#44
Trichloroethene
Concen: 10.834 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:130 Resp: 26388

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.2



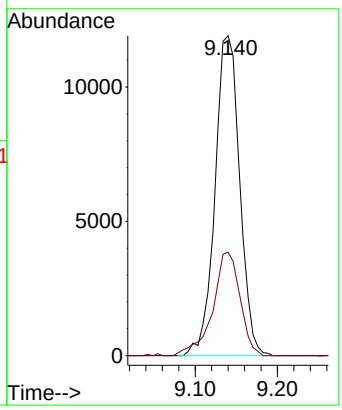


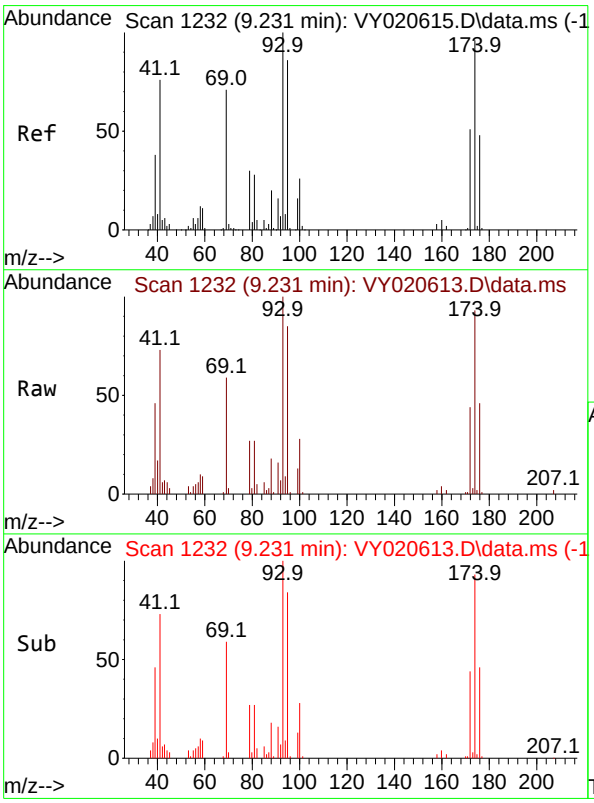
#45
1,2-Dichloropropane
Concen: 10.743 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 24889

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9

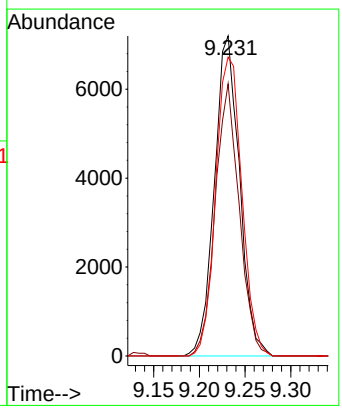


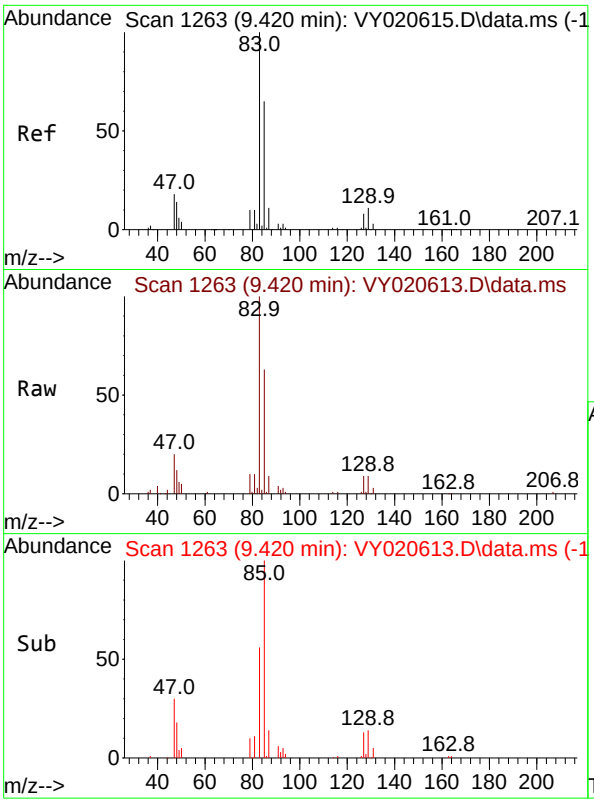


#46
Dibromomethane
Concen: 11.242 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



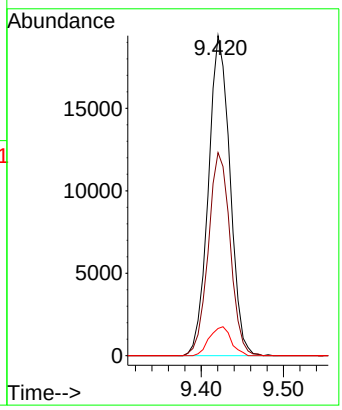


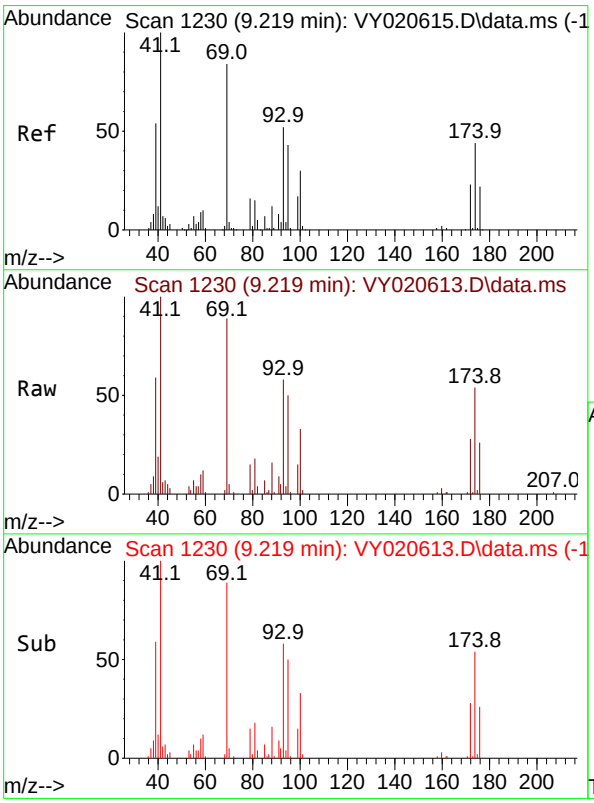
#47
Bromodichloromethane
Concen: 10.689 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

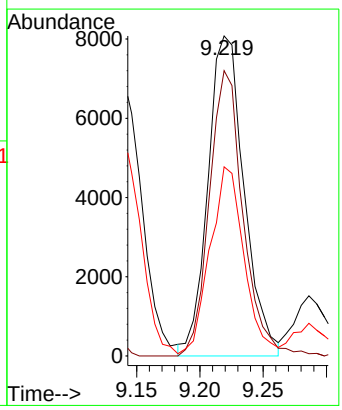


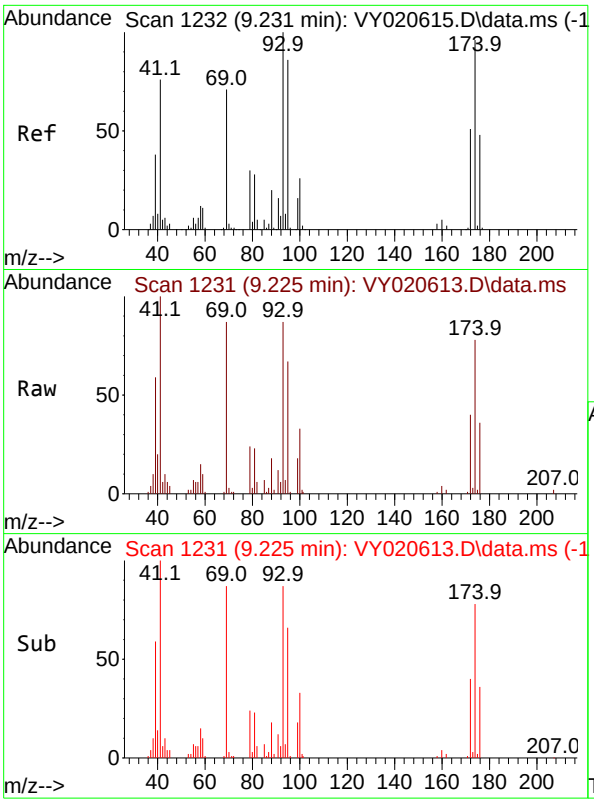


#48
Methyl methacrylate
Concen: 11.218 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



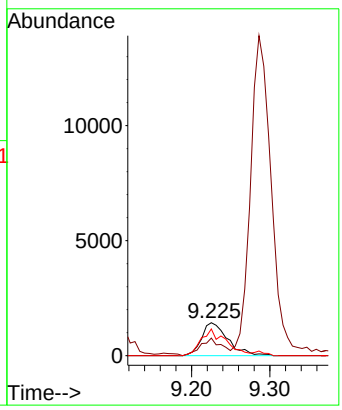


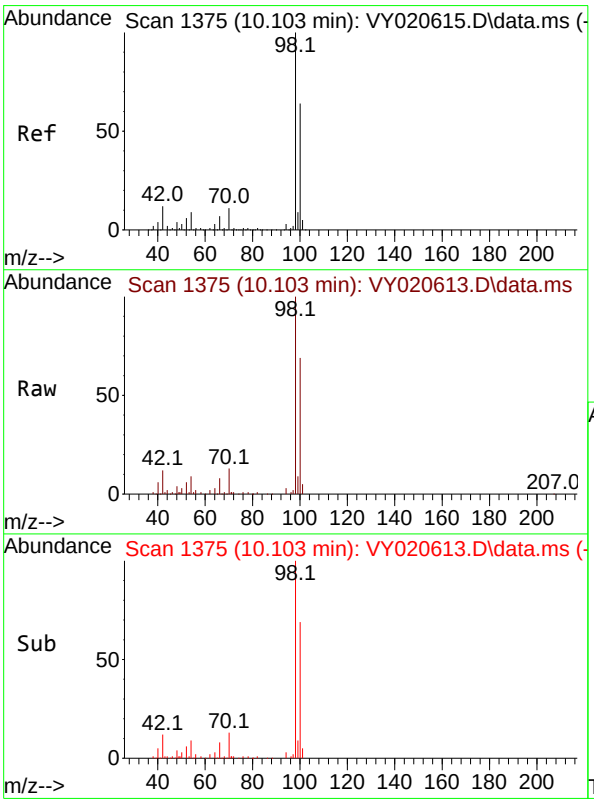
#49
1,4-Dioxane
Concen: 237.872 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

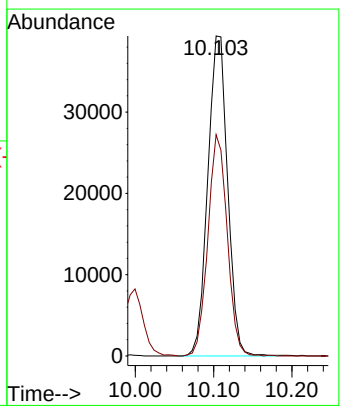


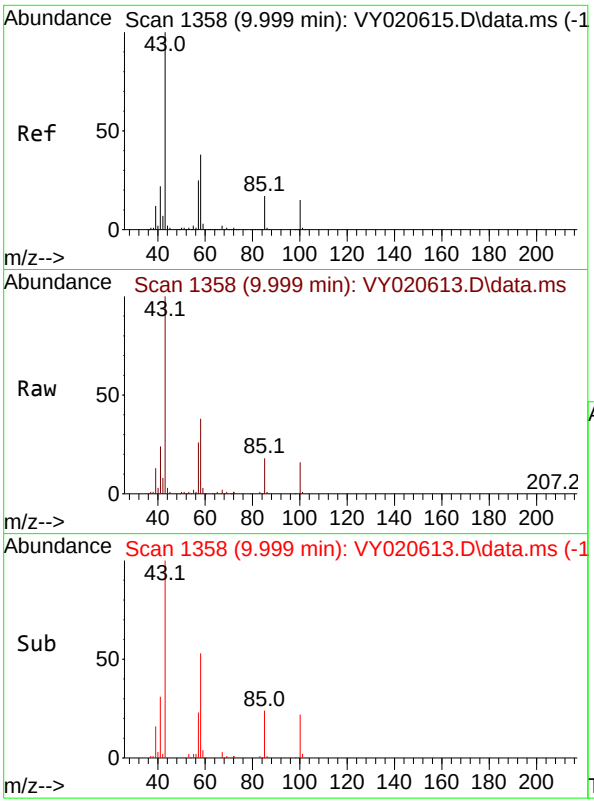


#50
Toluene-d8
Concen: 10.653 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 98 Resp: 69155

Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.1	78.1



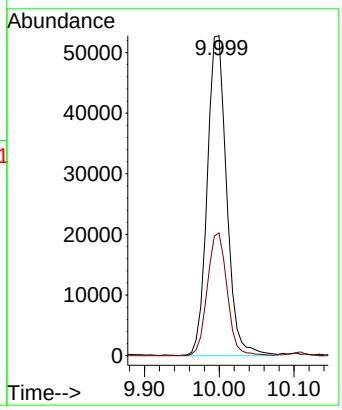


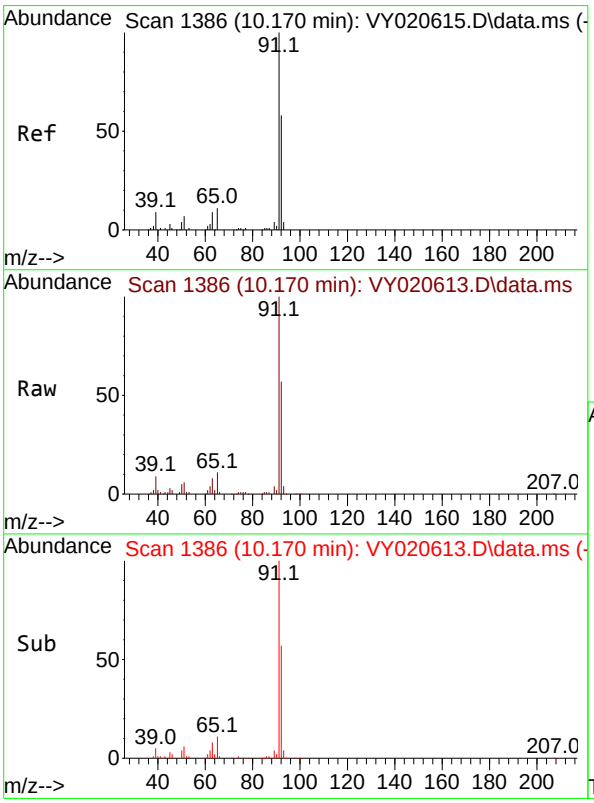
#51
4-Methyl-2-Pentanone
Concen: 60.180 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 95663

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.4	47.2

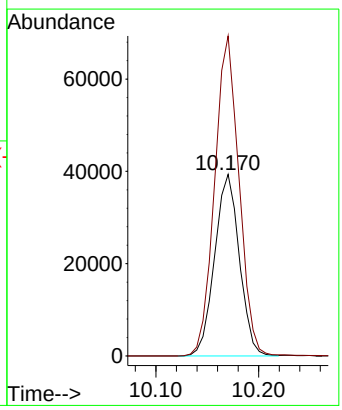


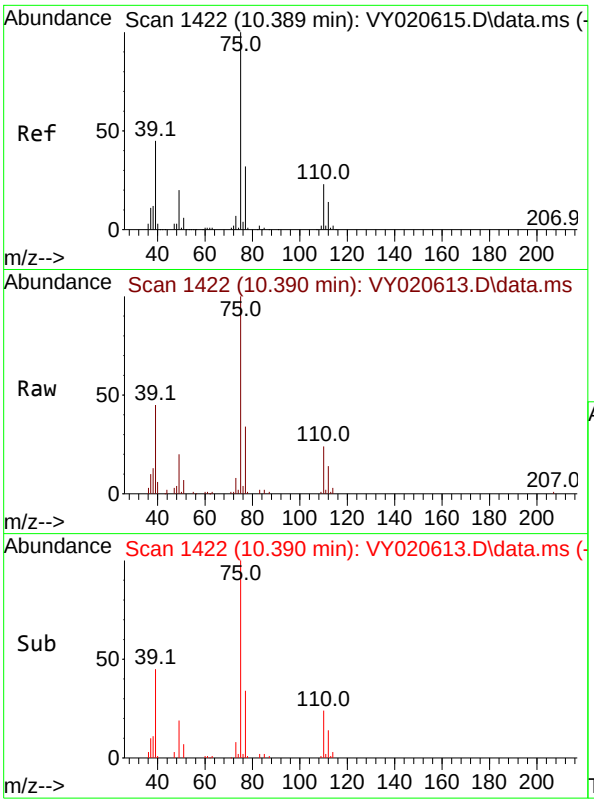


#52
Toluene
Concen: 10.657 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 92 Resp: 65651

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.4	206.0



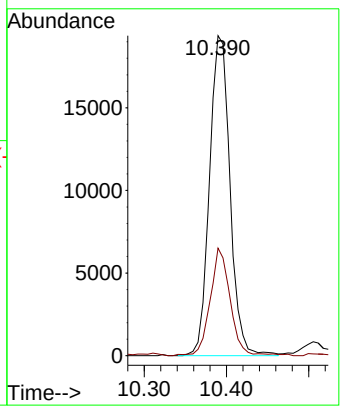


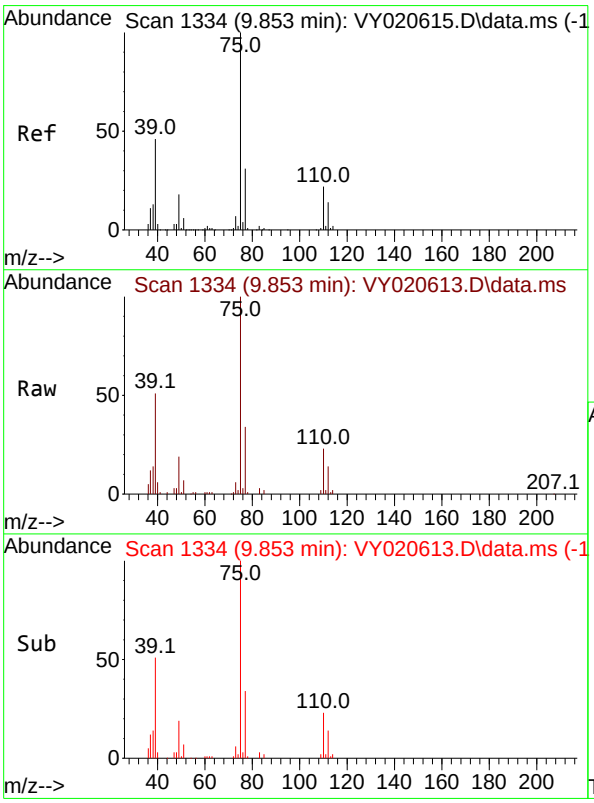
#53
t-1,3-Dichloropropene
Concen: 10.892 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33566

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2

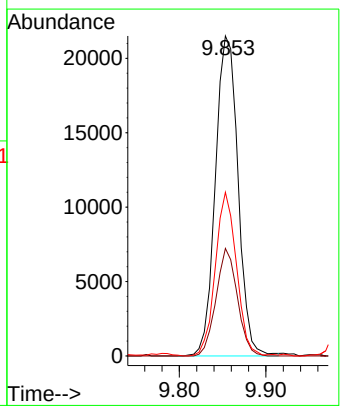


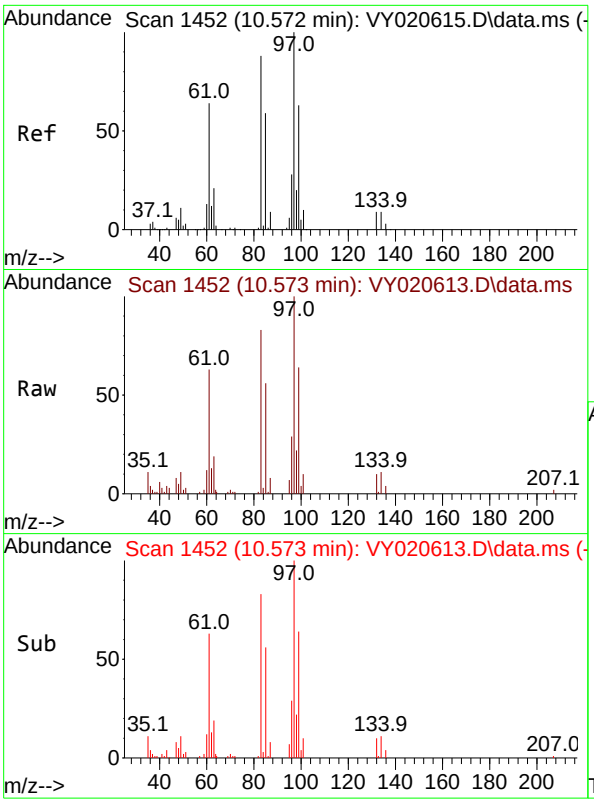


#54
cis-1,3-Dichloropropene
Concen: 10.698 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



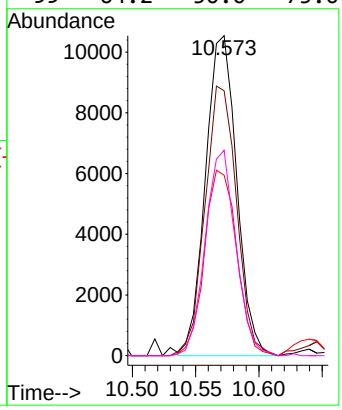


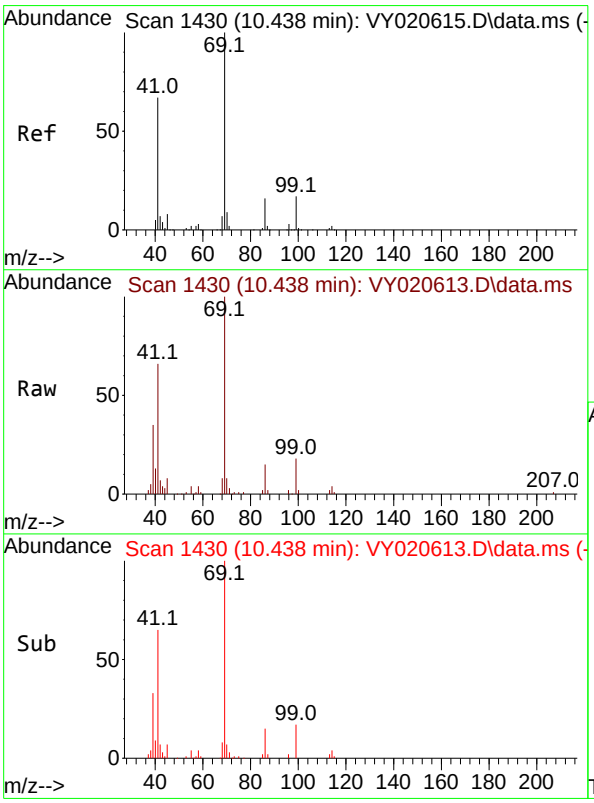
#55
1,1,2-Trichloroethane
Concen: 11.181 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

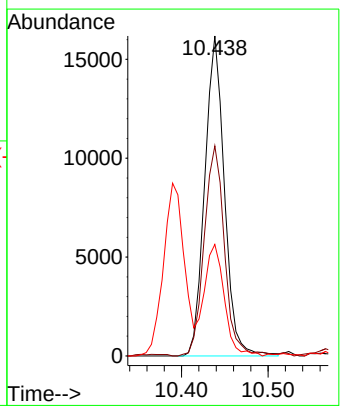


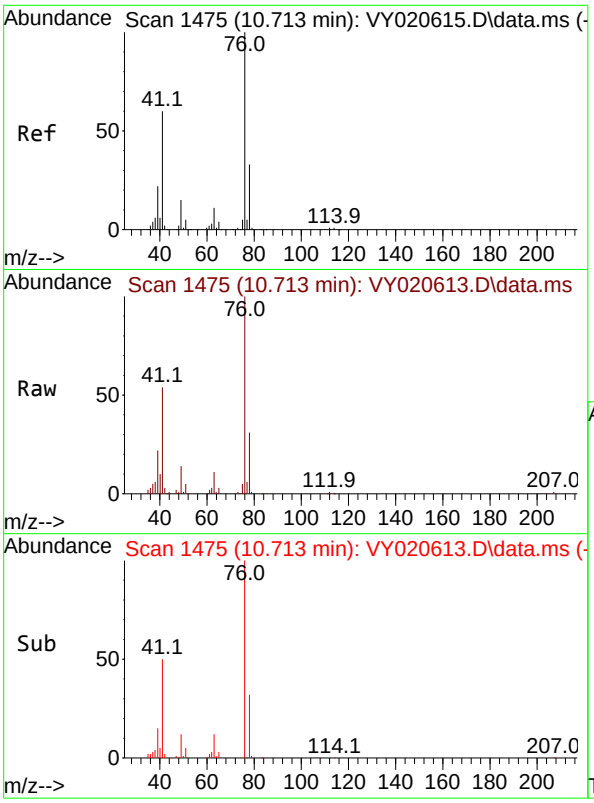


#56
Ethyl methacrylate
Concen: 10.877 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



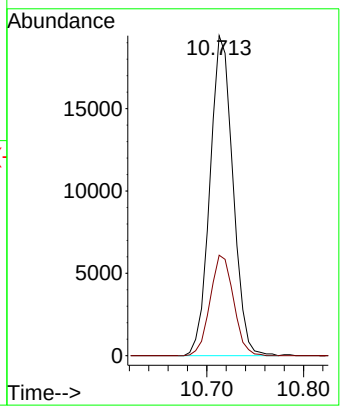


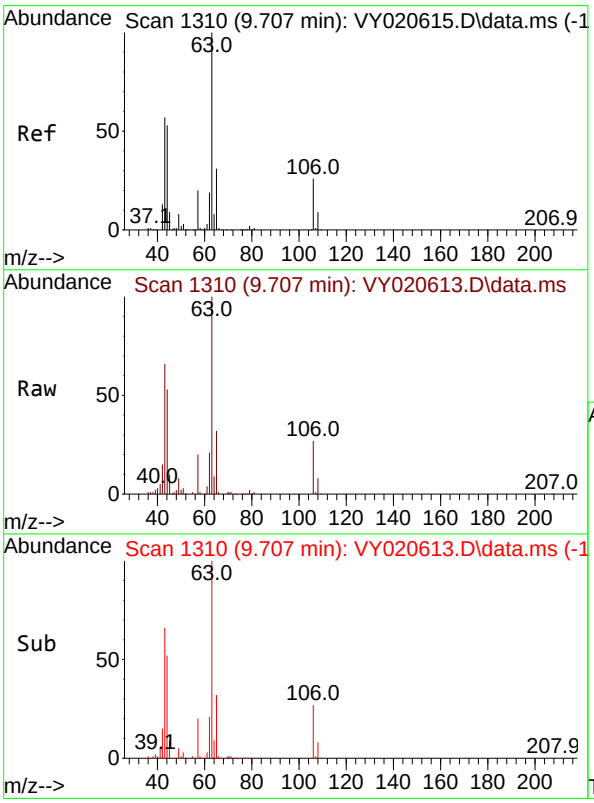
#57
1,3-Dichloropropane
Concen: 11.099 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 32029

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

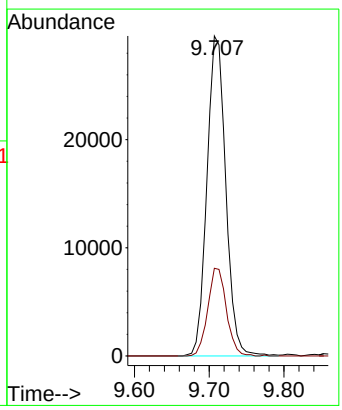


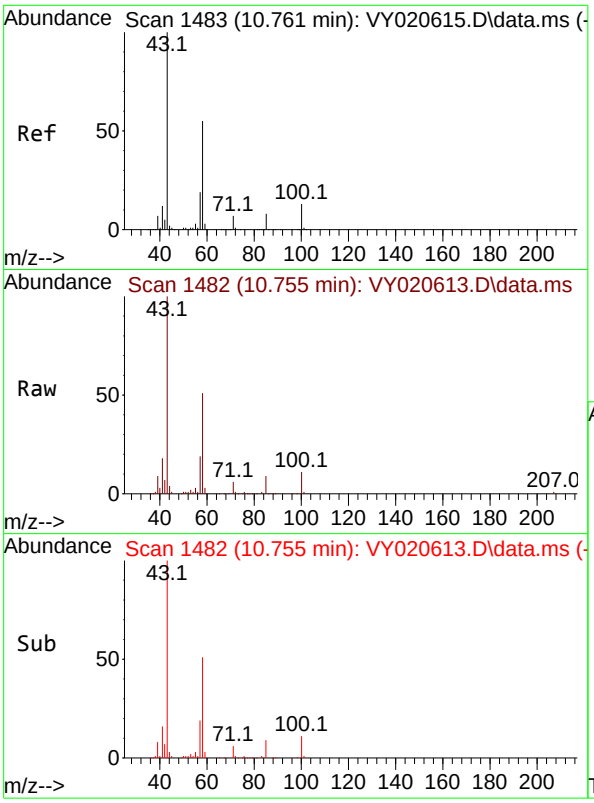


#58
2-Chloroethyl Vinyl ether
Concen: 52.537 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 51913

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



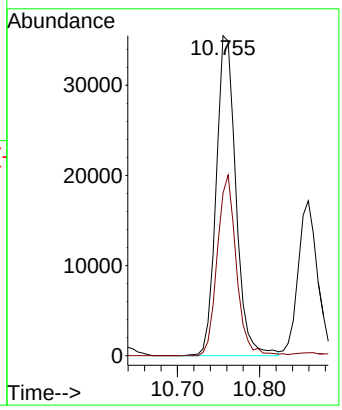


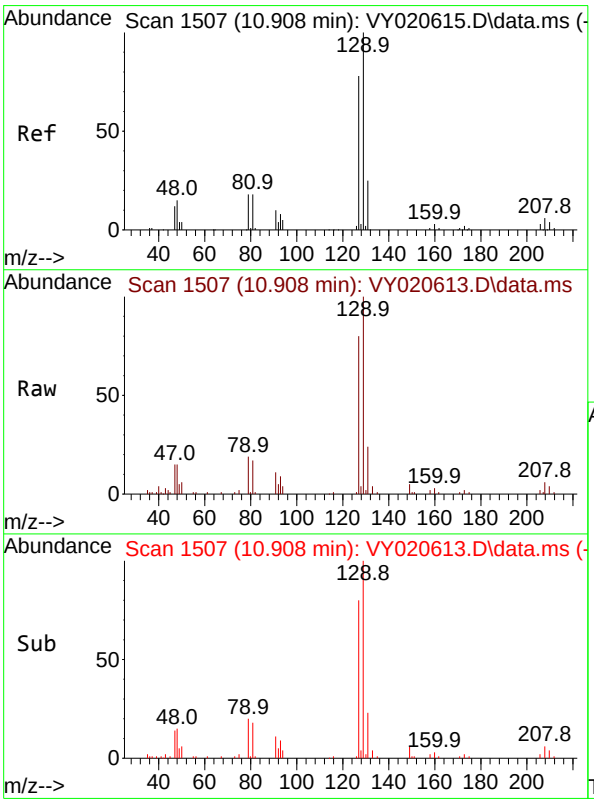
#59
2-Hexanone
Concen: 57.933 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 59126

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

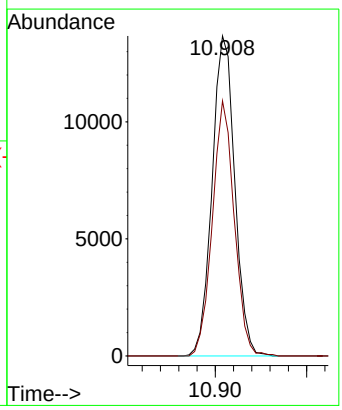


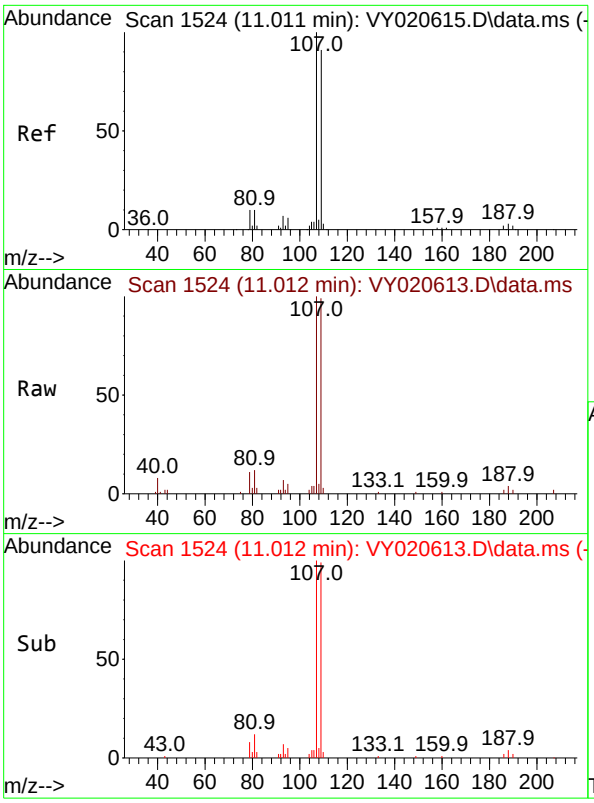


#60
Dibromochloromethane
Concen: 10.878 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:129 Resp: 23549

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.3



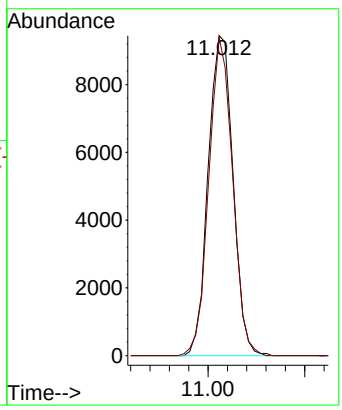


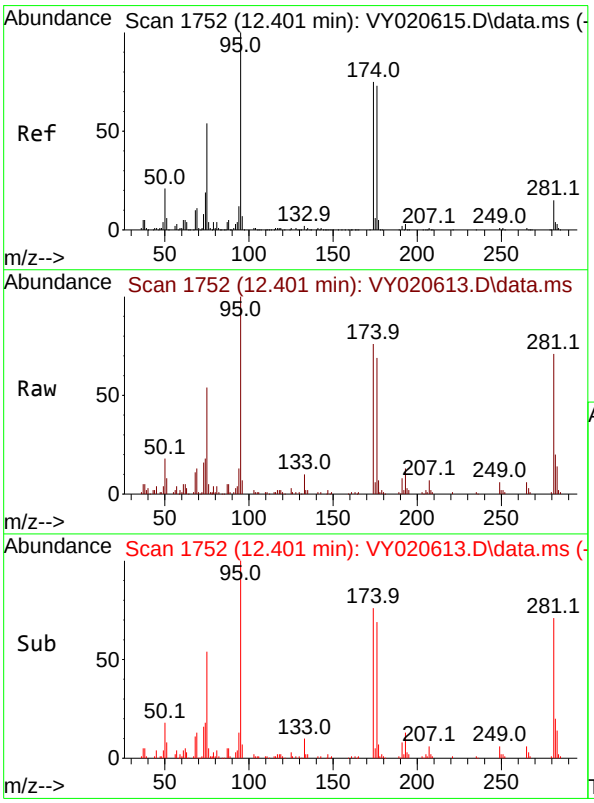
#61
1,2-Dibromoethane
Concen: 11.162 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 16807

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

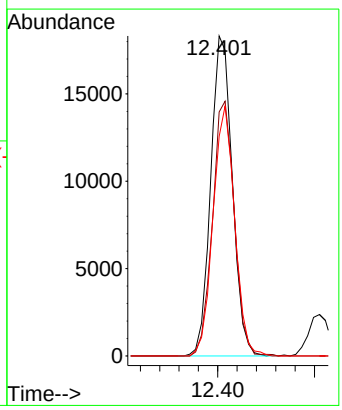


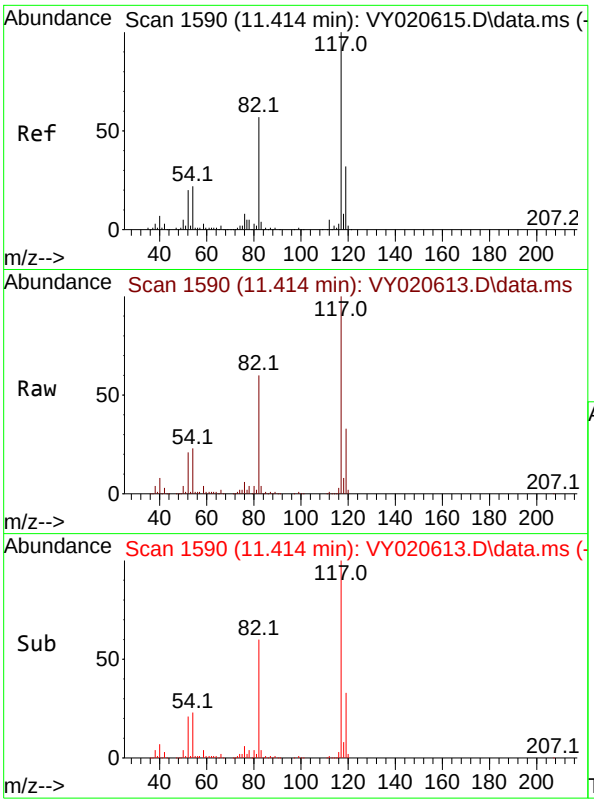


#62
4-Bromofluorobenzene
Concen: 11.154 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



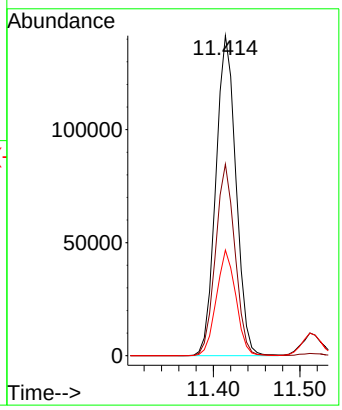


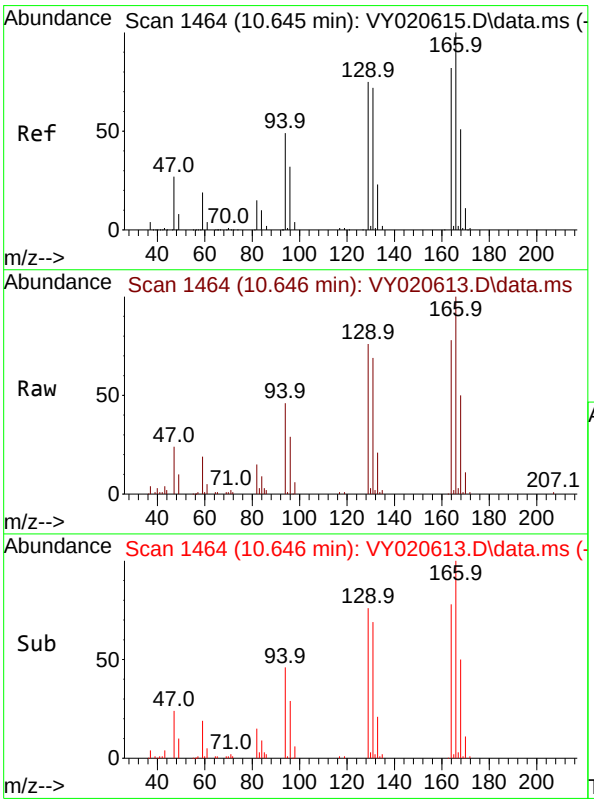
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

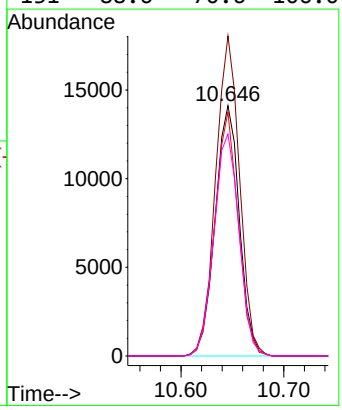


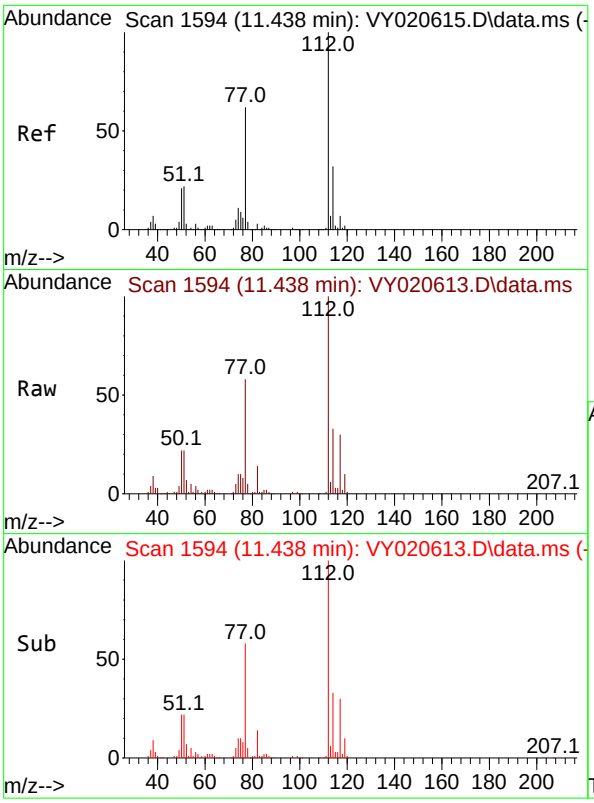


#64
Tetrachloroethene
Concen: 10.744 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



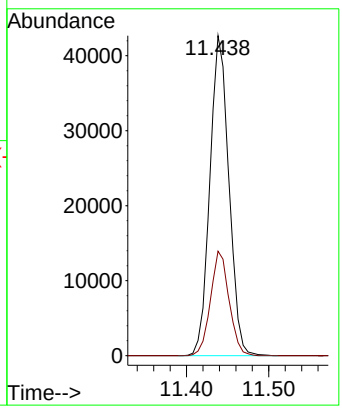


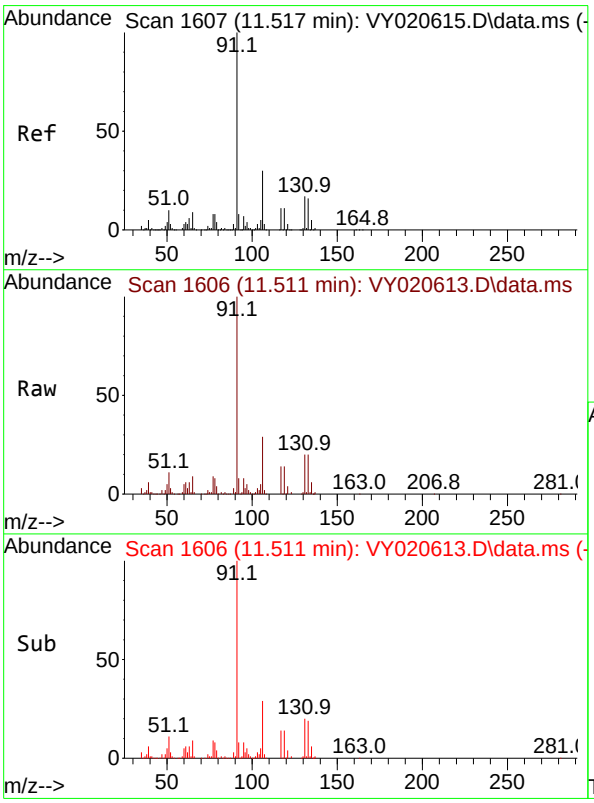
#65
Chlorobenzene
Concen: 10.738 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 68621

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.0	39.0

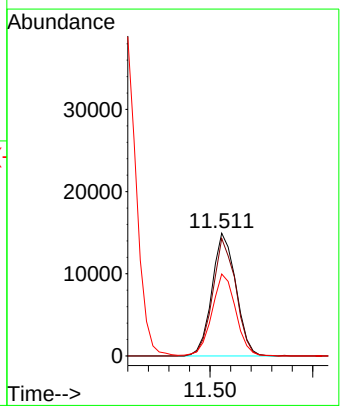


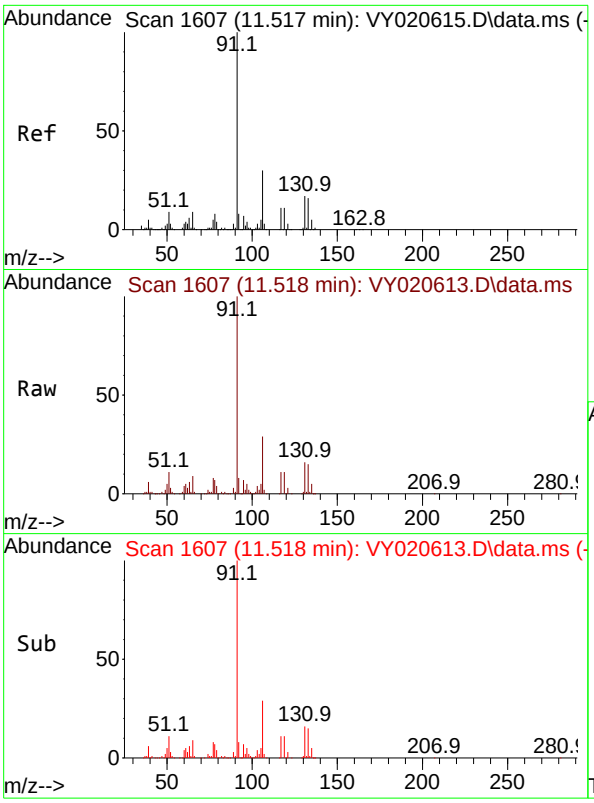


#66
1,1,1,2-Tetrachloroethane
Concen: 11.065 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



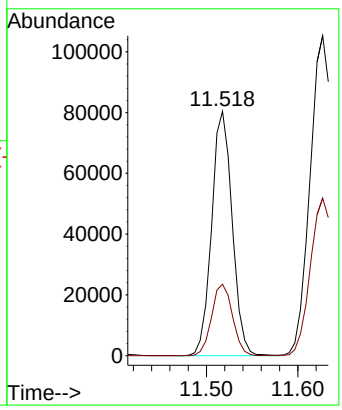


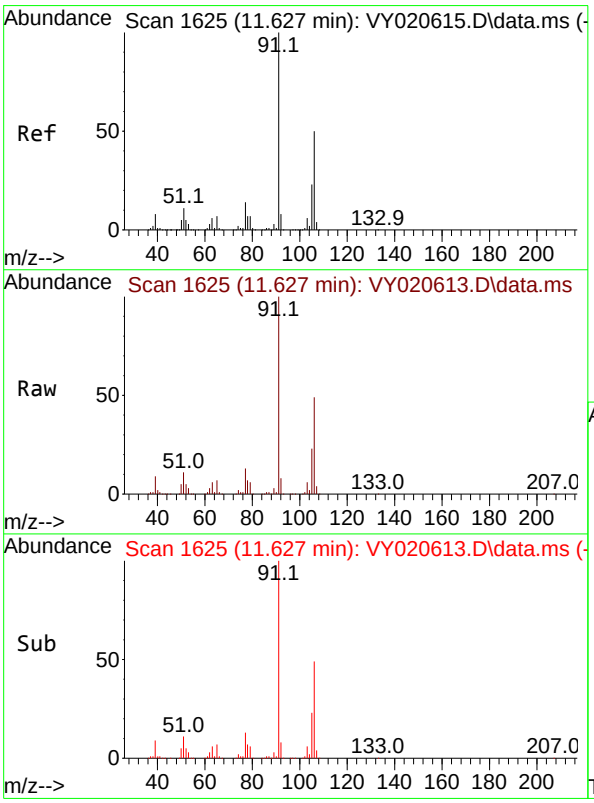
#67
Ethyl Benzene
Concen: 10.649 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 125547

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9

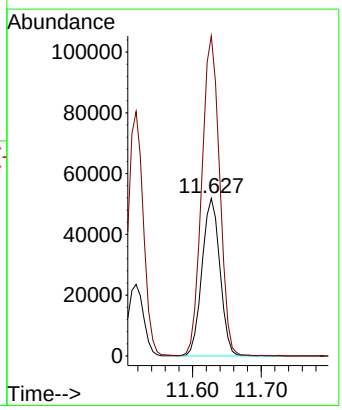


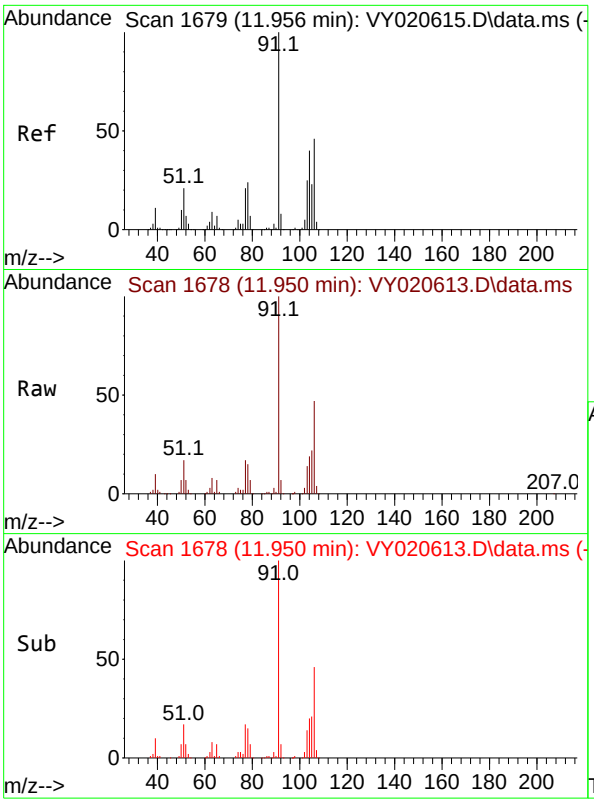


#68
m/p-Xylenes
Concen: 21.506 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:106 Resp: 94273

Ion	Ratio	Lower	Upper
106	100		
91	202.6	165.0	247.4



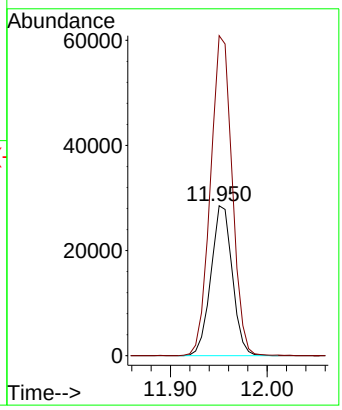


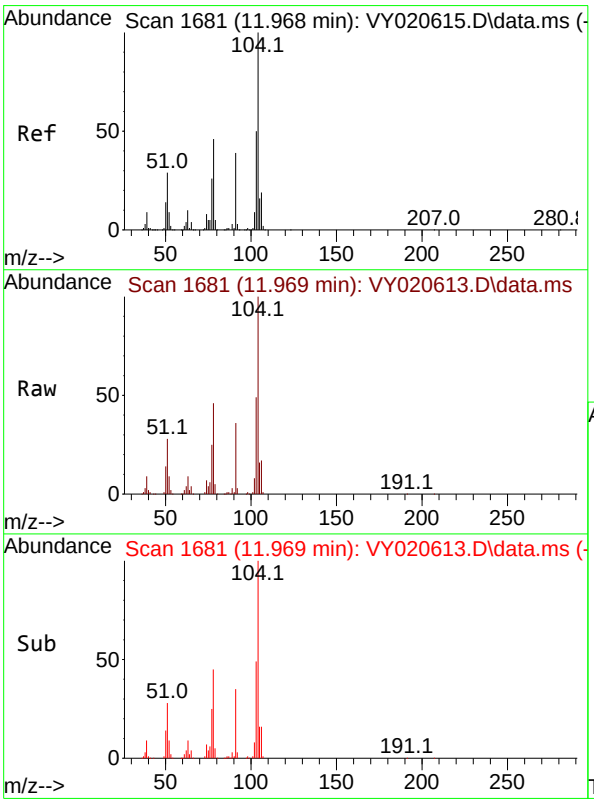
#69
o-Xylene
Concen: 10.684 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 43697

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.4	325.2

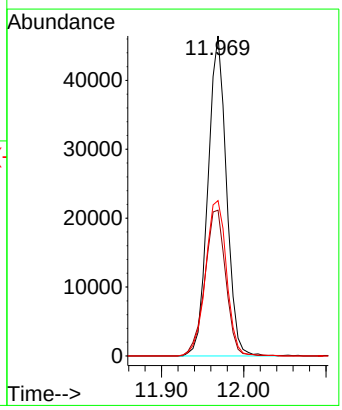


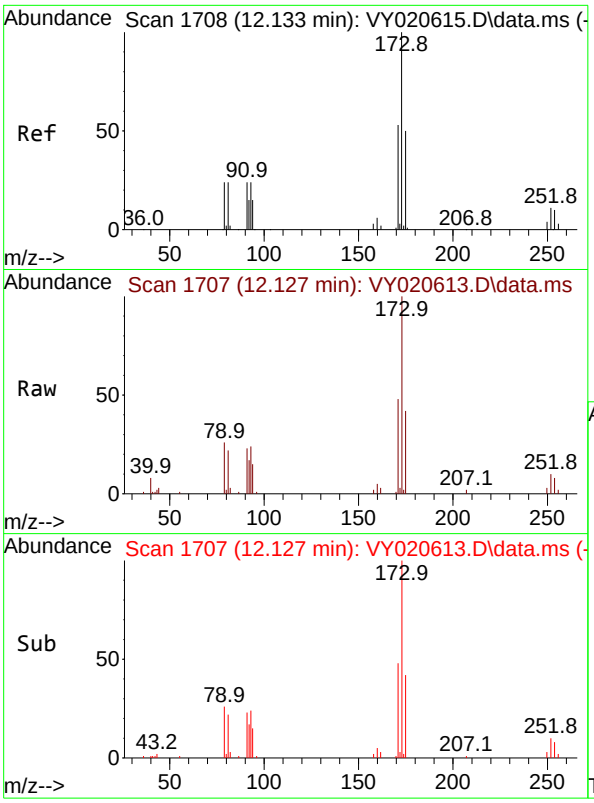


#70
Styrene
Concen: 10.612 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



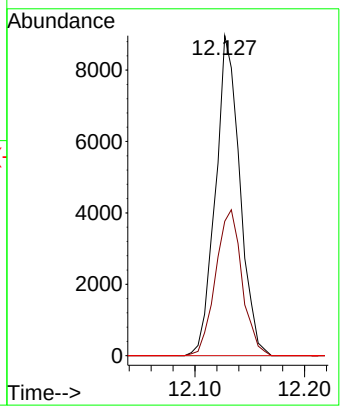


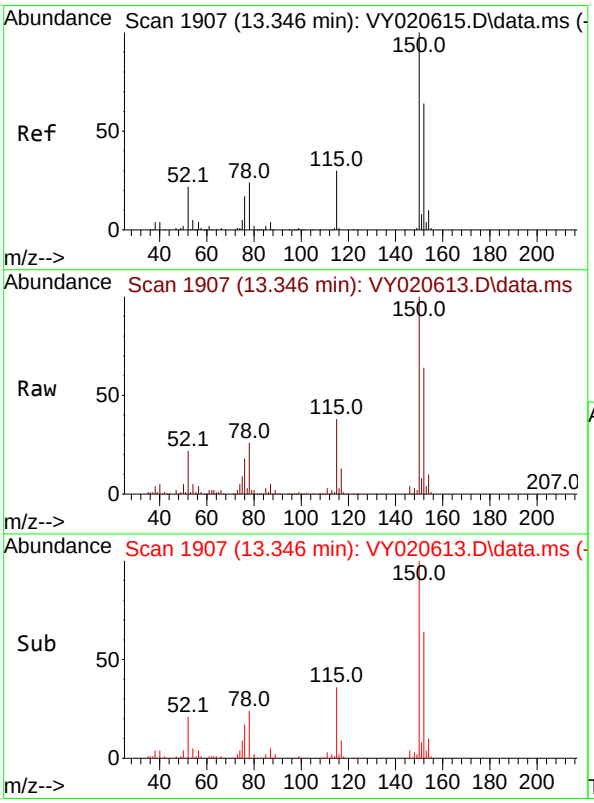
#71
Bromoform
Concen: 11.250 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

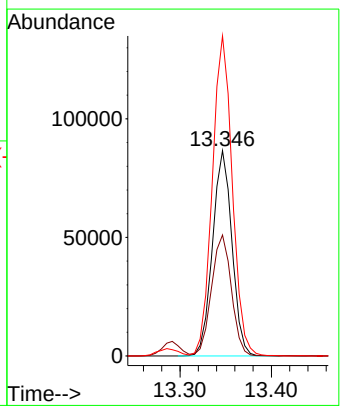


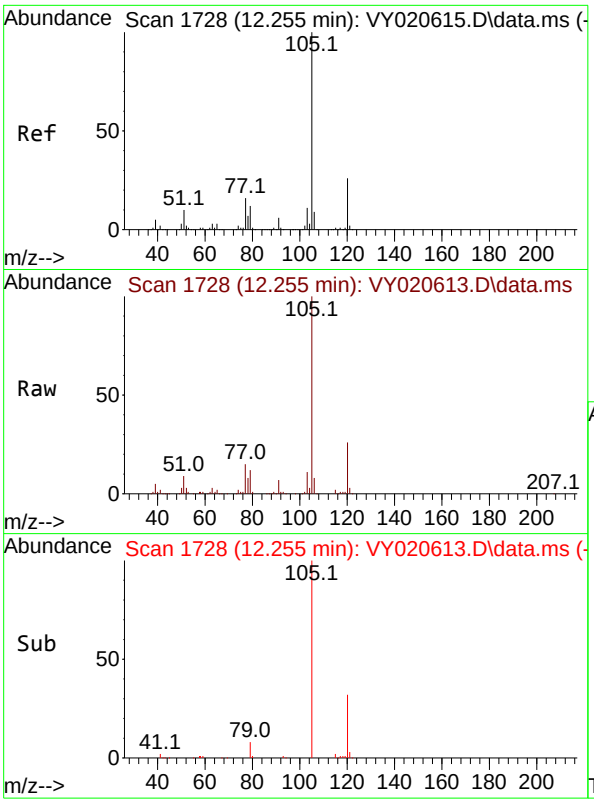


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



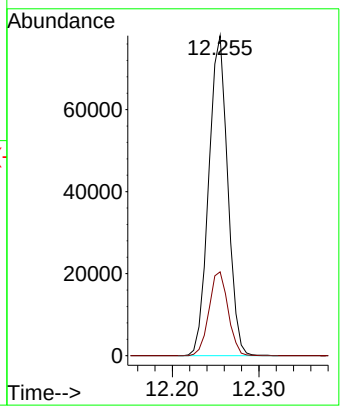


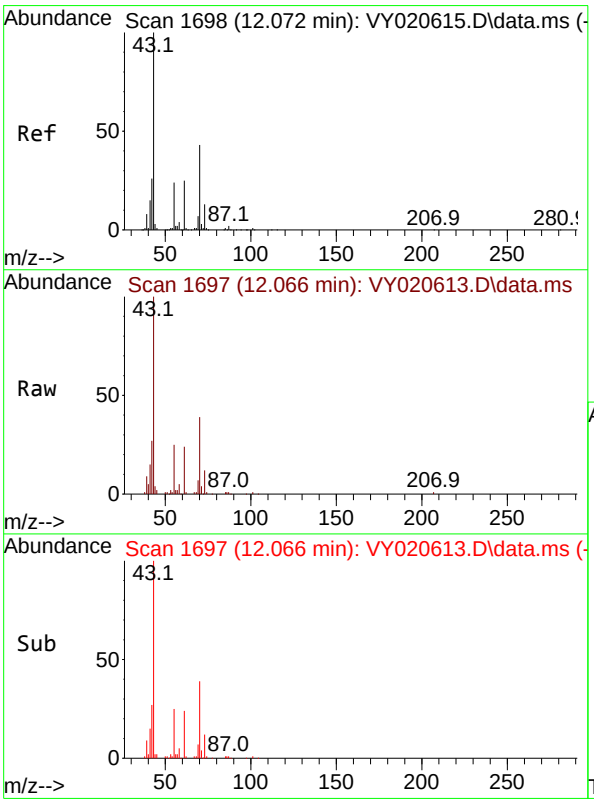
#73
Isopropylbenzene
Concen: 10.624 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 118590

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

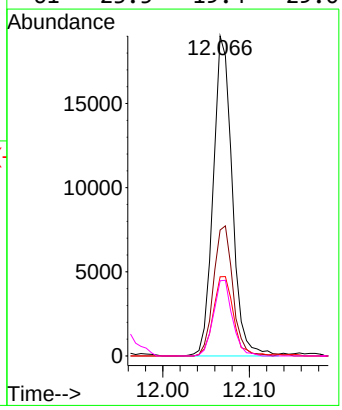


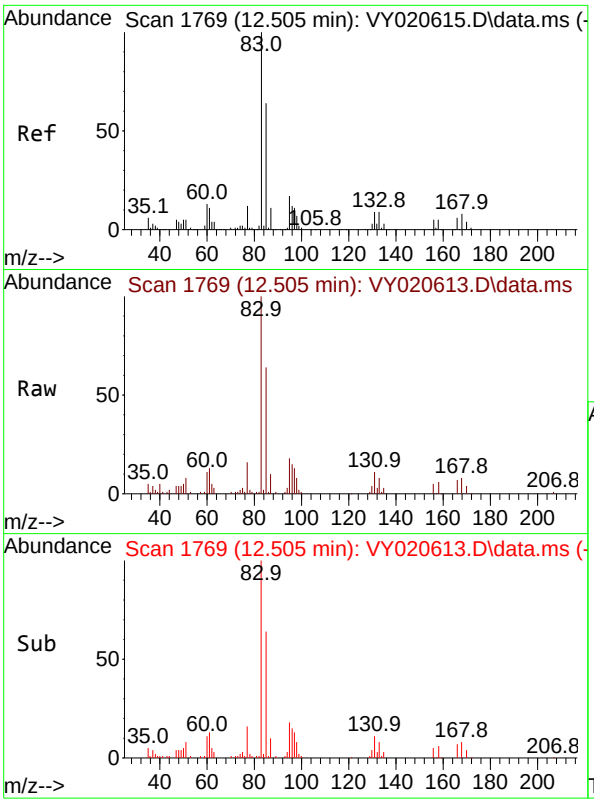


#74
N-amyl acetate
Concen: 11.093 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



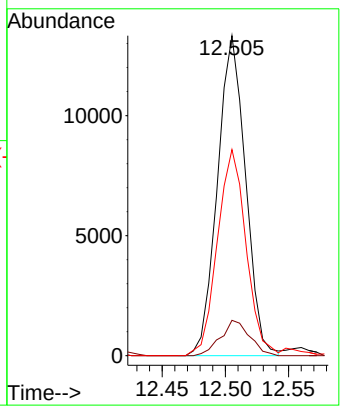


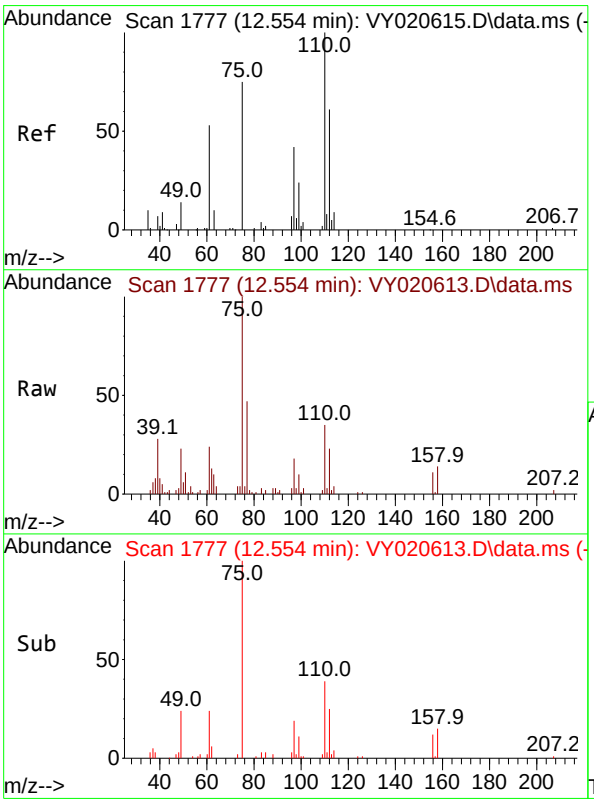
#75
1,1,2,2-Tetrachloroethane
Concen: 11.352 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

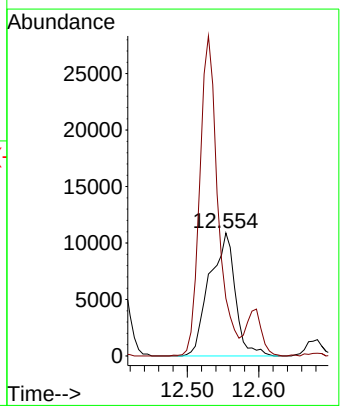


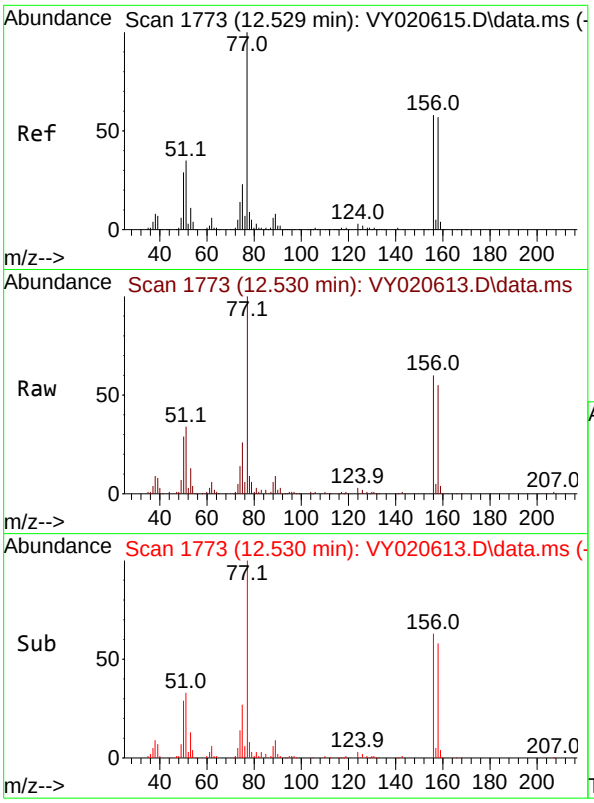


#76
1,2,3-Trichloropropane
Concen: 20.751 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 27338

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



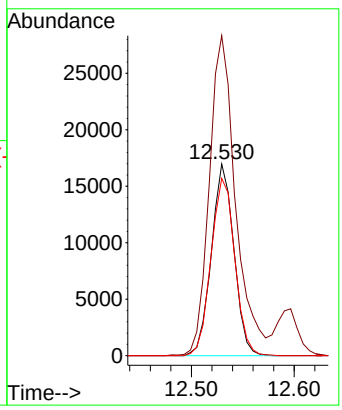


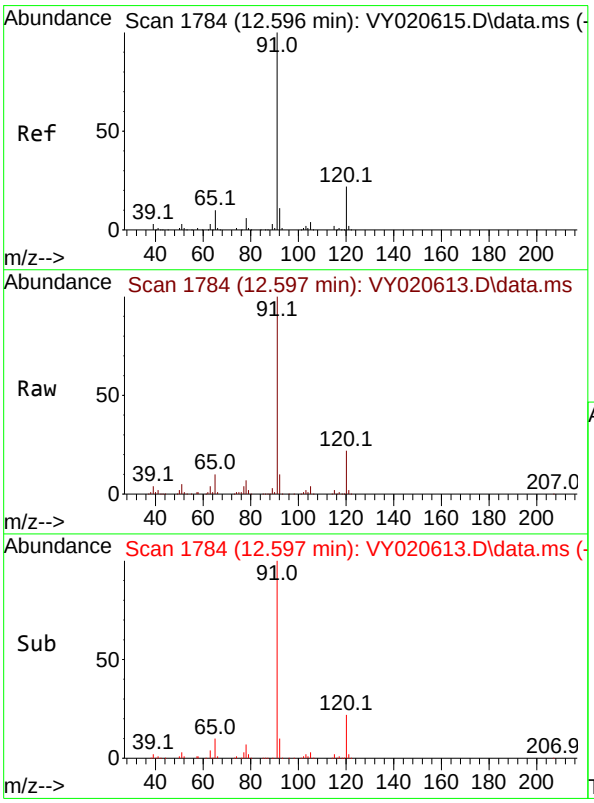
#77
Bromobenzene
Concen: 10.591 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

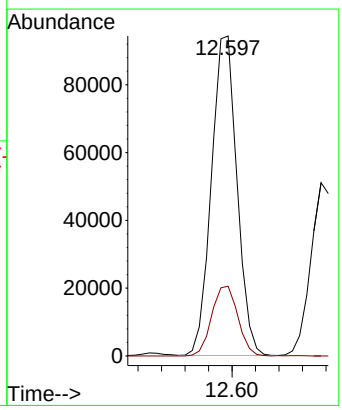


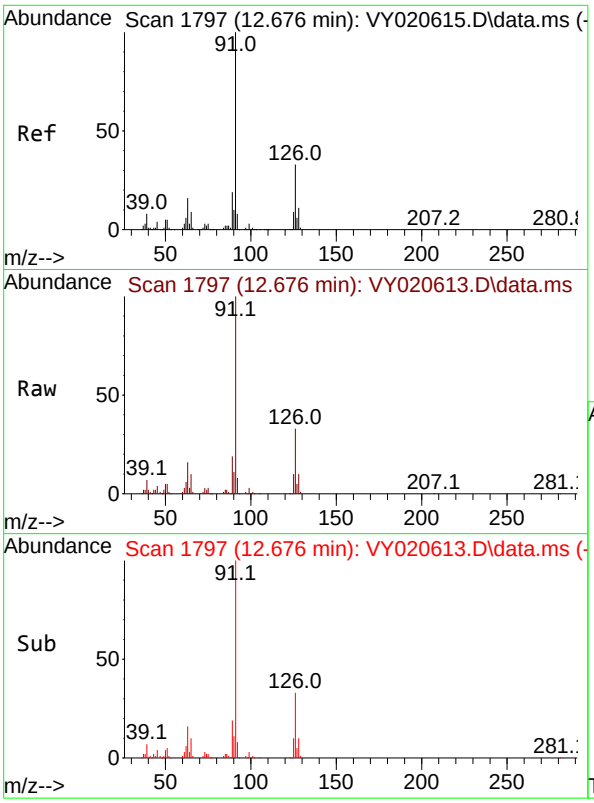


#78
n-propylbenzene
Concen: 10.588 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 142396

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



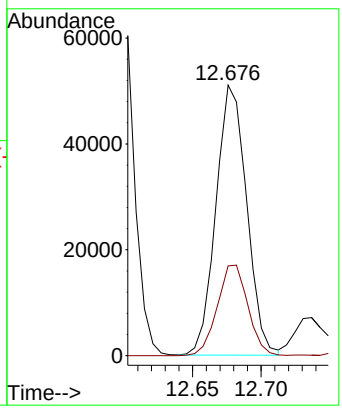


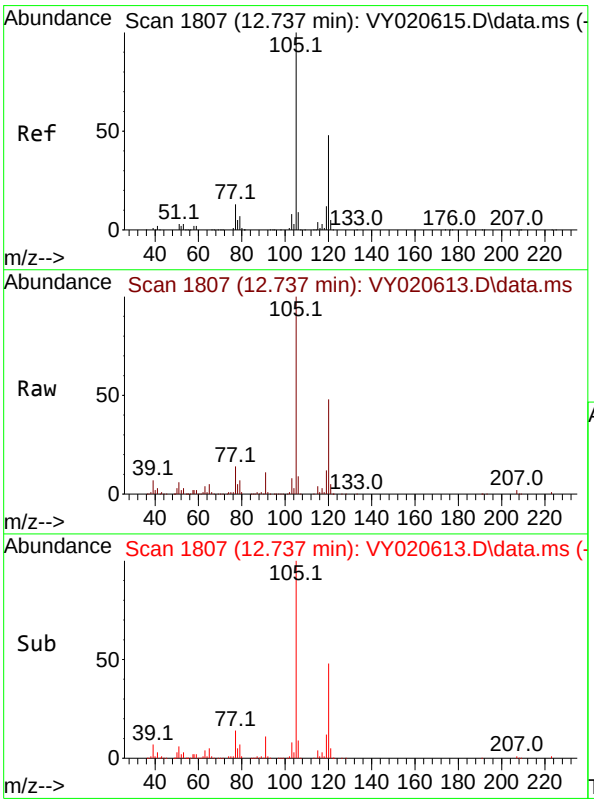
#79
2-Chlorotoluene
Concen: 10.527 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 79651

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7

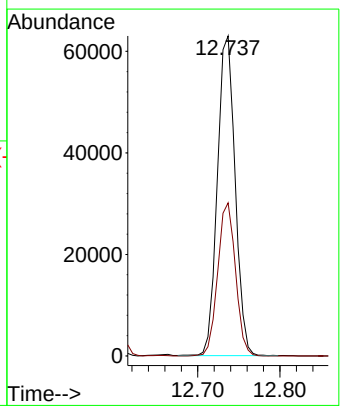


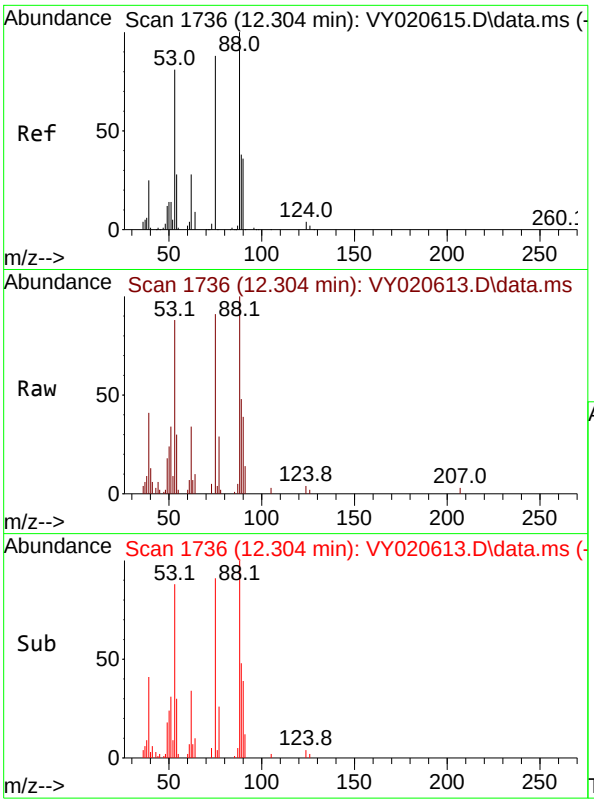


#80
1,3,5-Trimethylbenzene
Concen: 10.453 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 94672

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



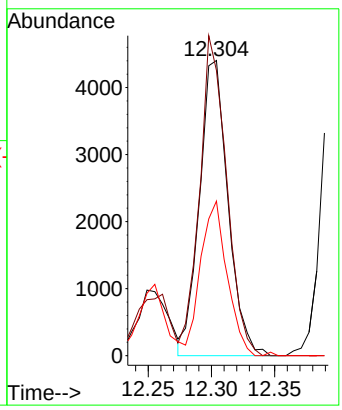


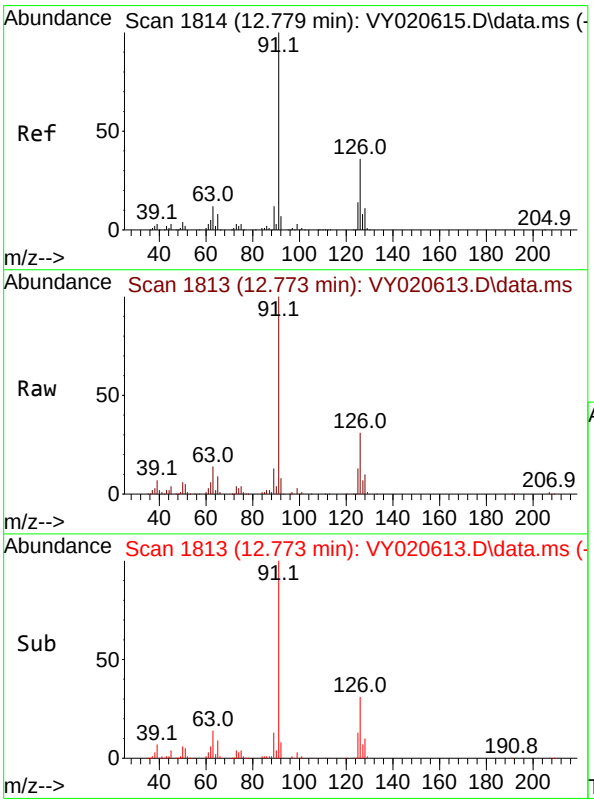
#81
trans-1,4-Dichloro-2-butene
Concen: 10.913 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

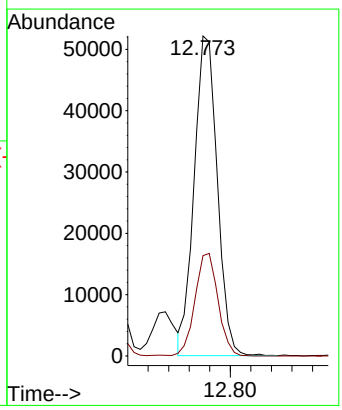


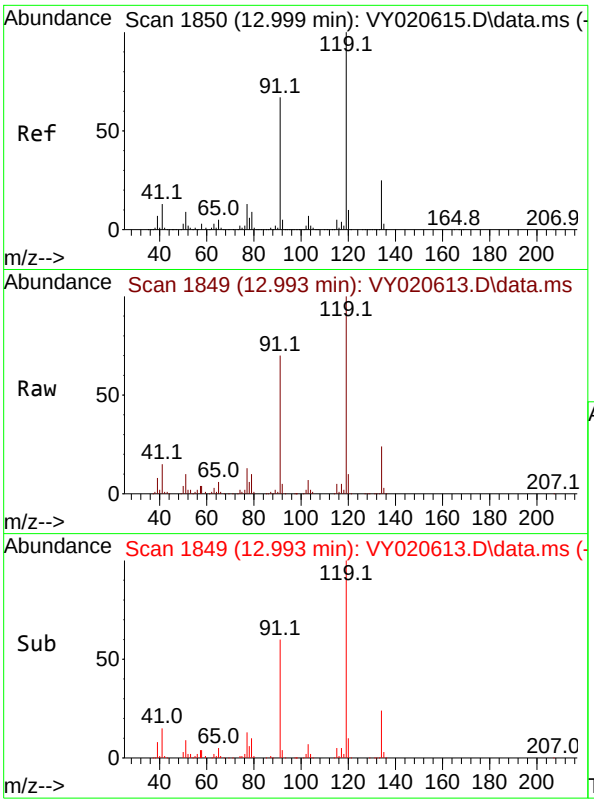


#82
4-Chlorotoluene
Concen: 10.380 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 81482

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.6	49.7



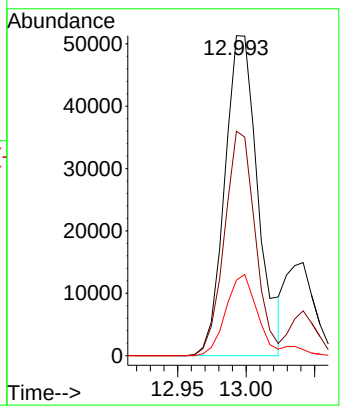


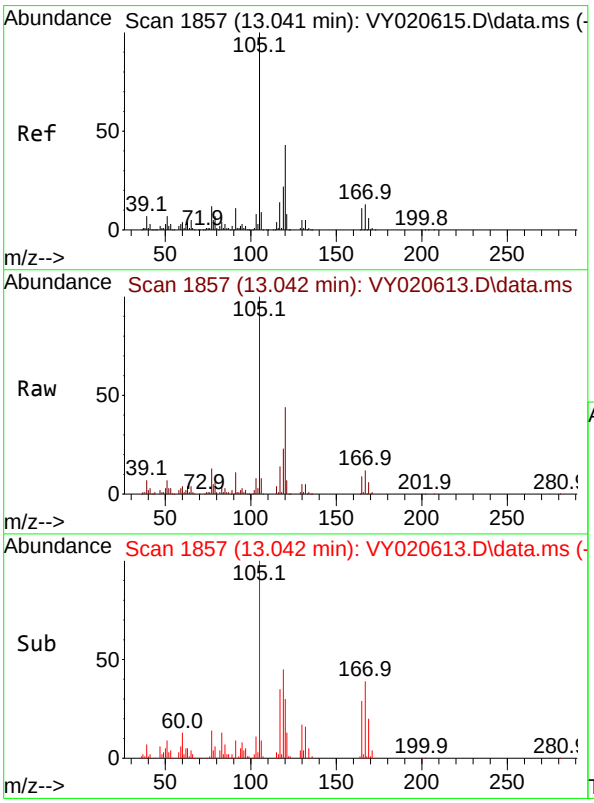
#83
tert-Butylbenzene
Concen: 10.534 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

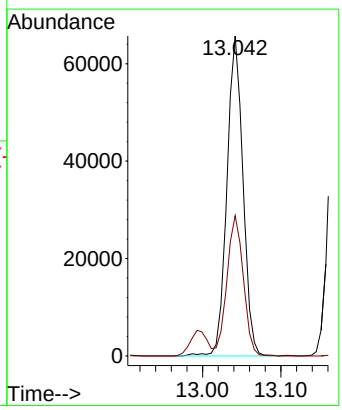


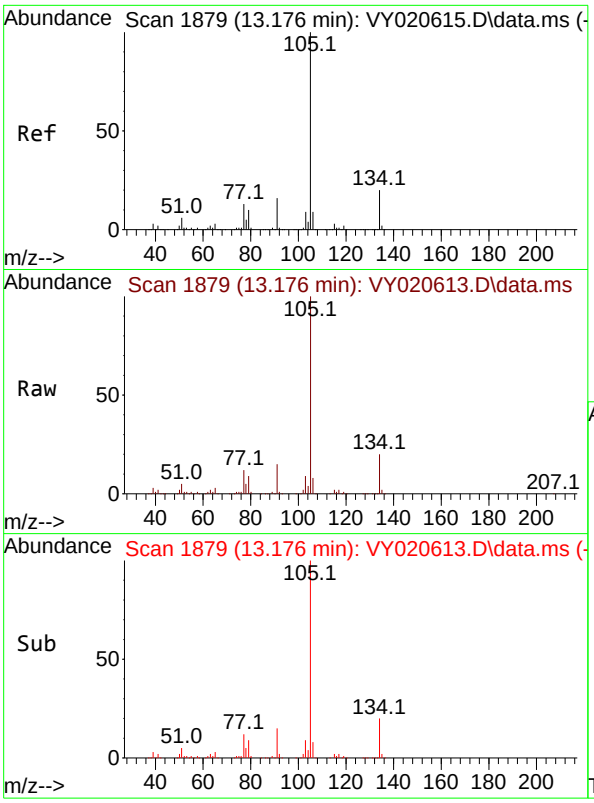


#84
1,2,4-Trimethylbenzene
Concen: 10.539 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 93630

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.4



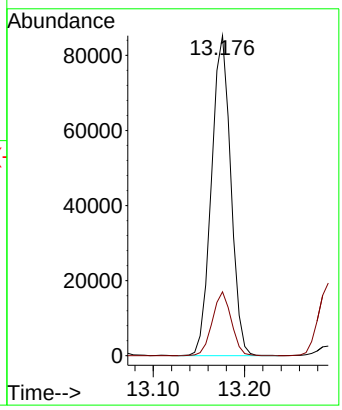


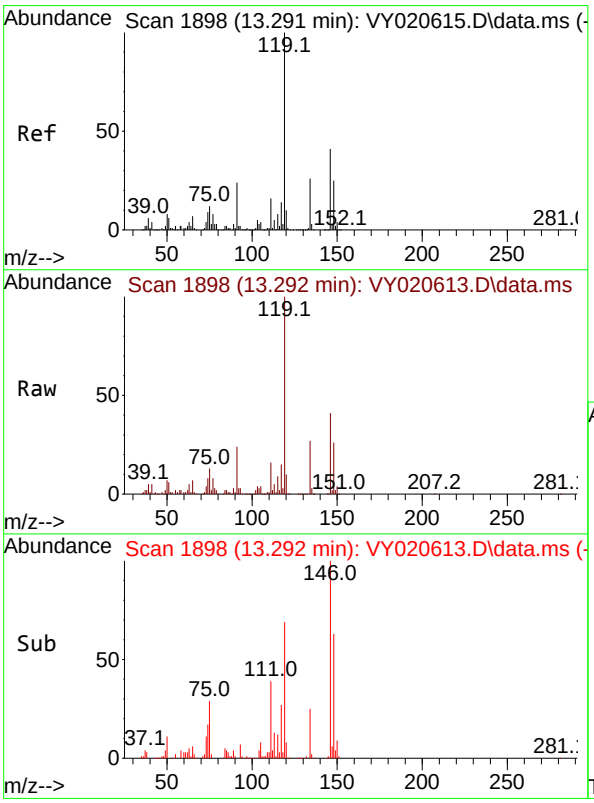
#85
sec-Butylbenzene
Concen: 10.497 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 125189

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0

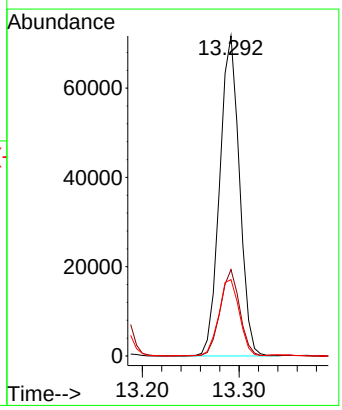


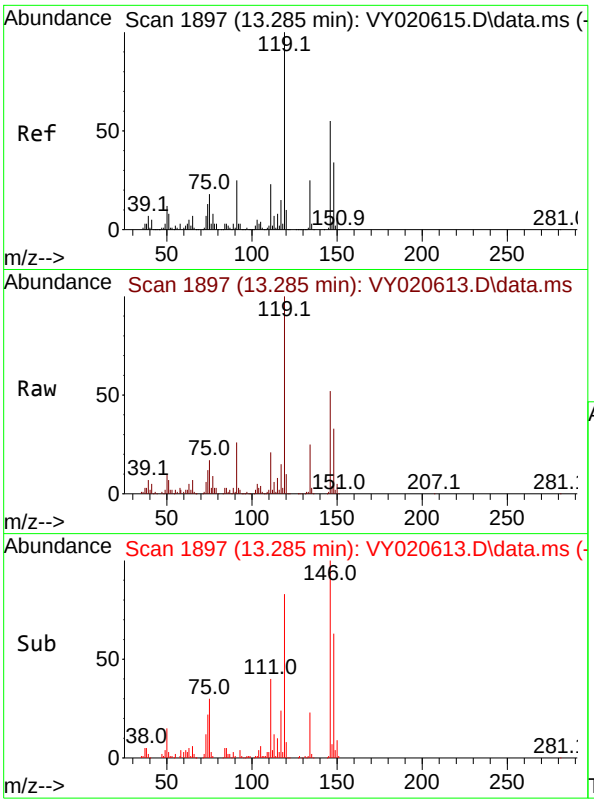


#86
p-Isopropyltoluene
Concen: 10.342 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



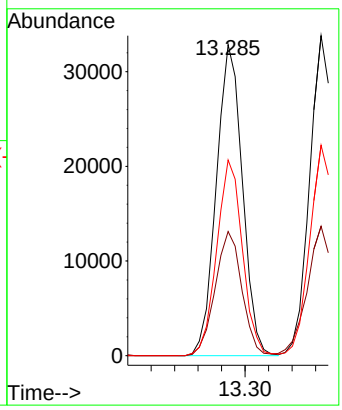


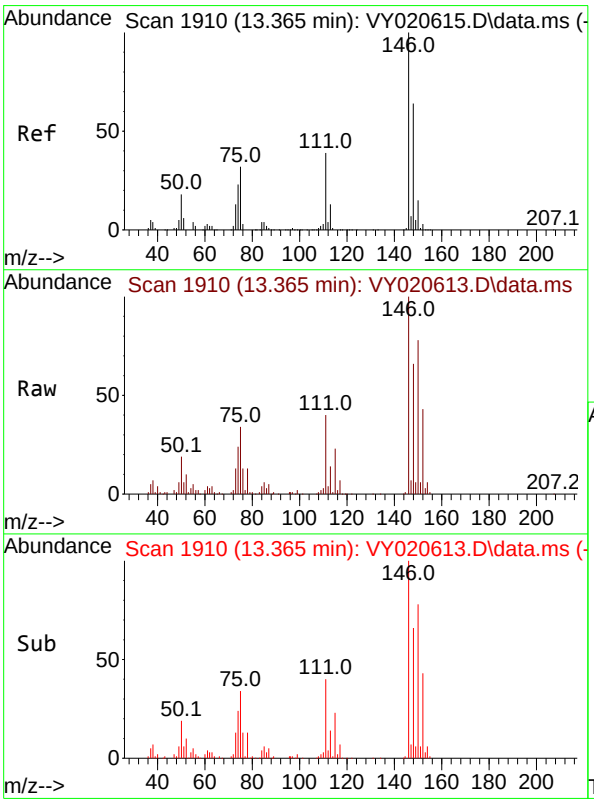
#87
1,3-Dichlorobenzene
Concen: 10.561 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

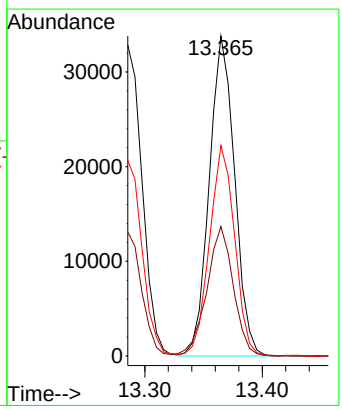


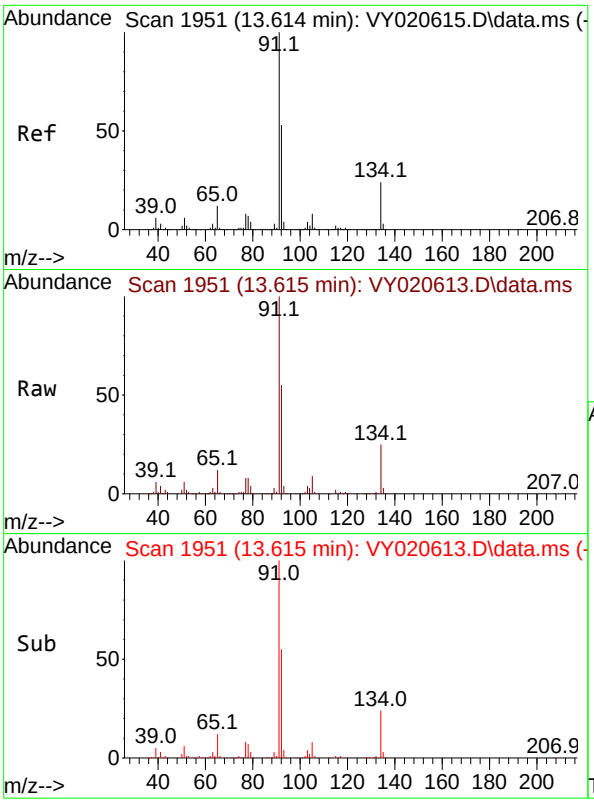


#88
1,4-Dichlorobenzene
Concen: 10.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



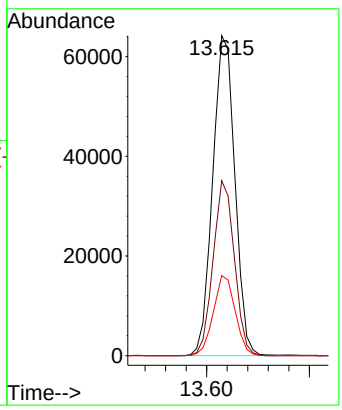


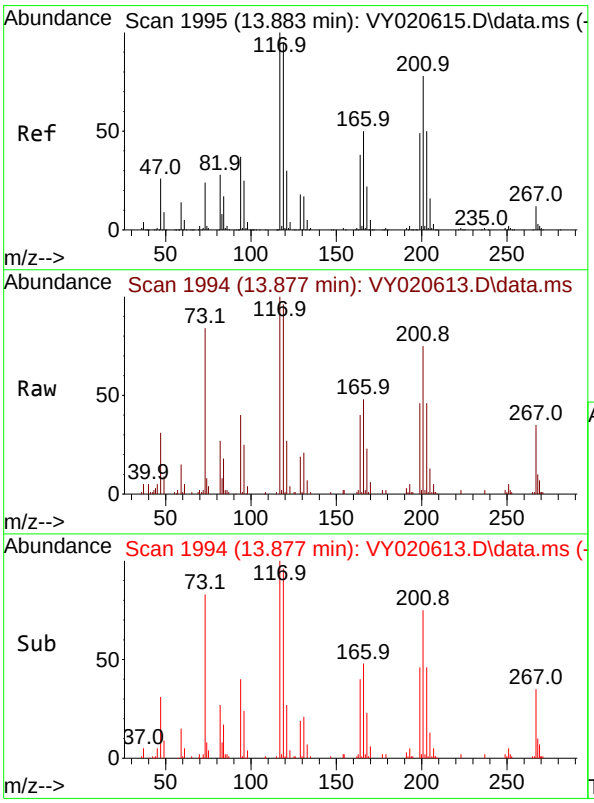
#89
n-Butylbenzene
Concen: 10.307 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

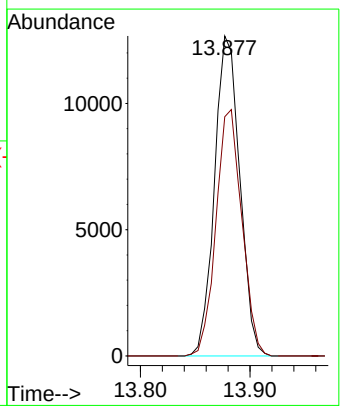


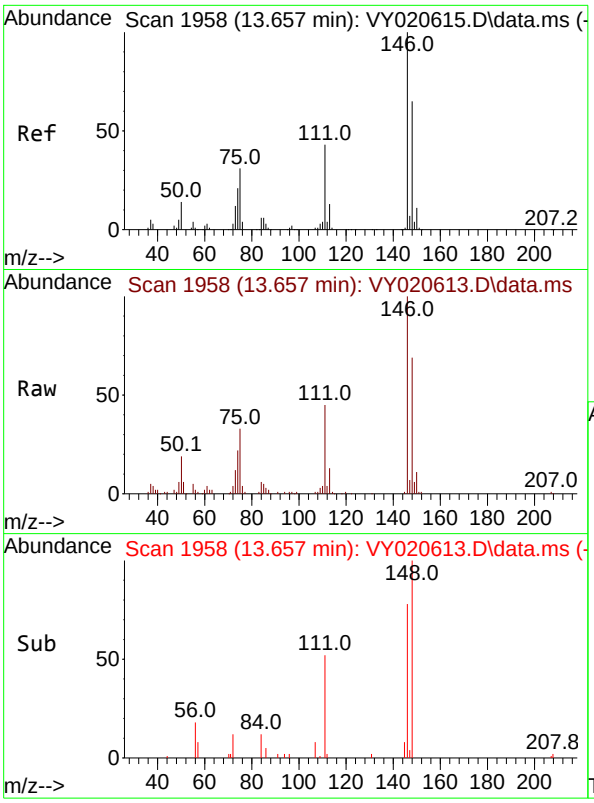


#90
Hexachloroethane
Concen: 10.430 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 20324

Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.1	117.3



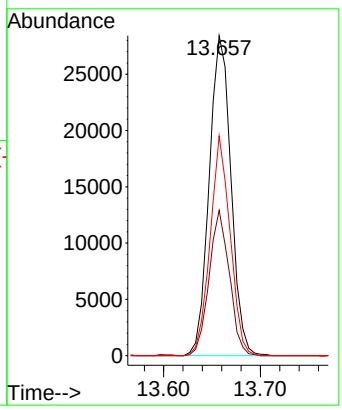


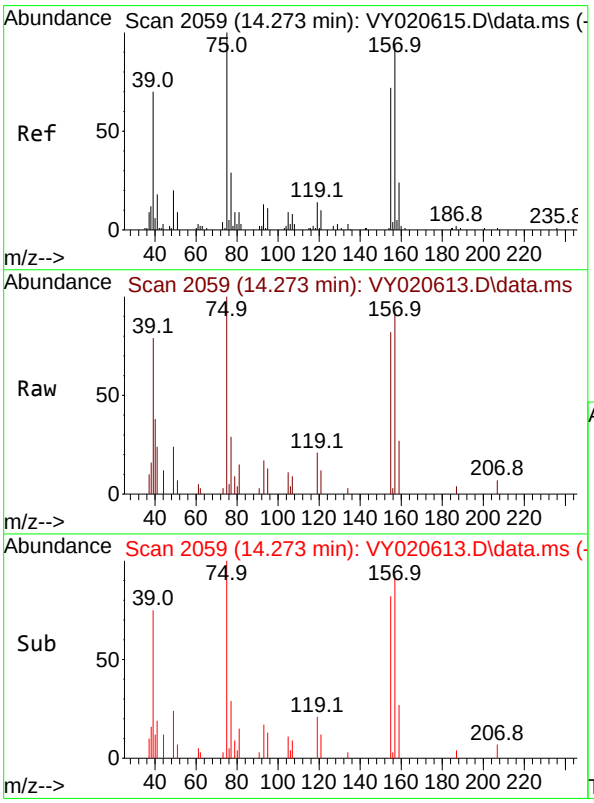
#91
1,2-Dichlorobenzene
Concen: 10.674 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

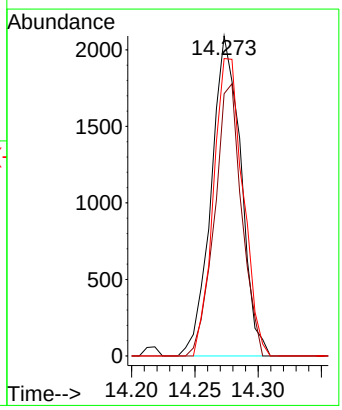


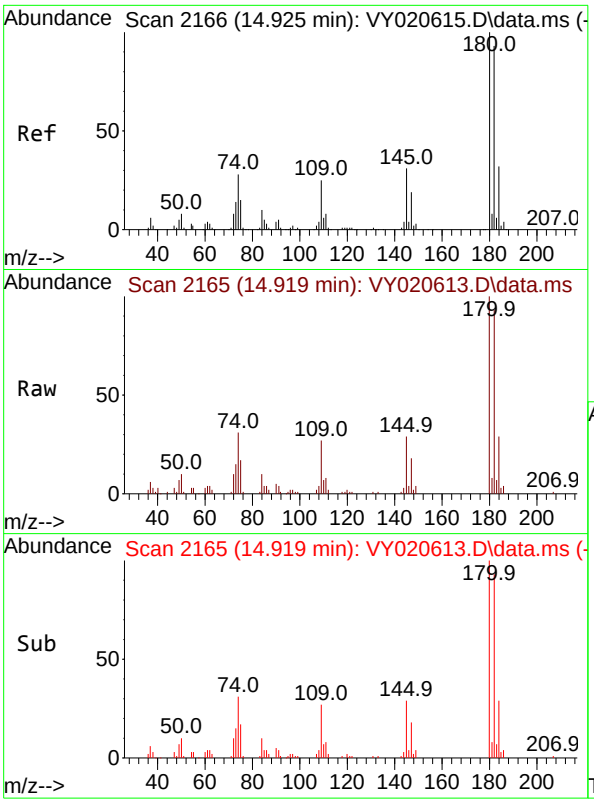


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.579 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



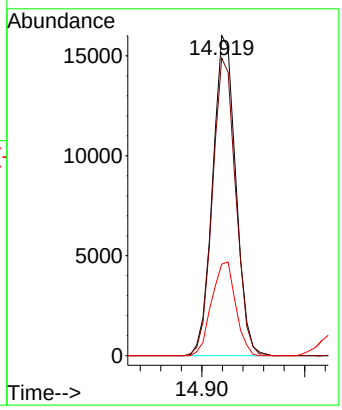


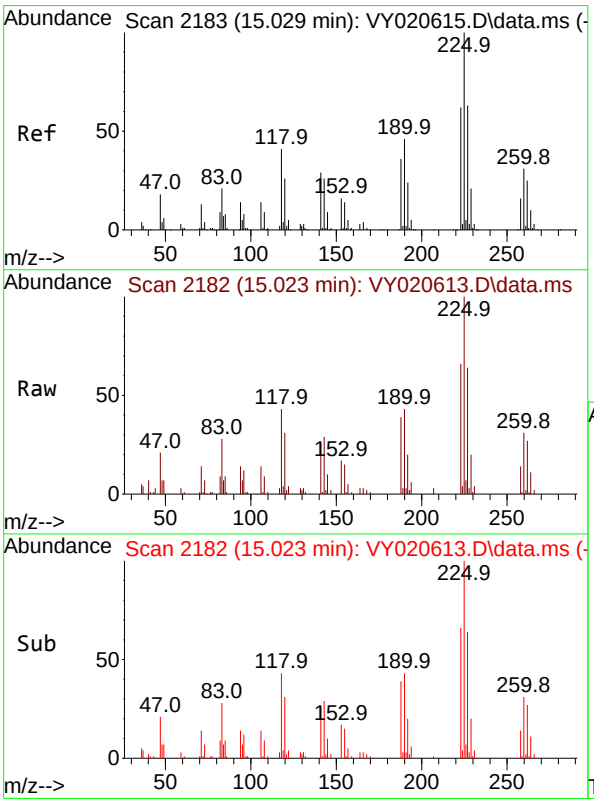
#93
1,2,4-Trichlorobenzene
Concen: 9.920 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

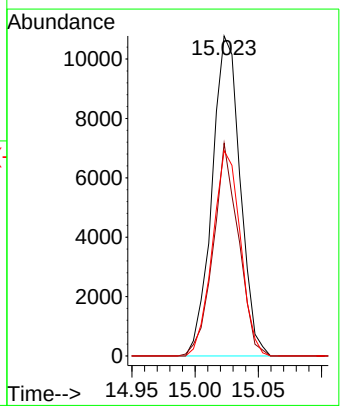


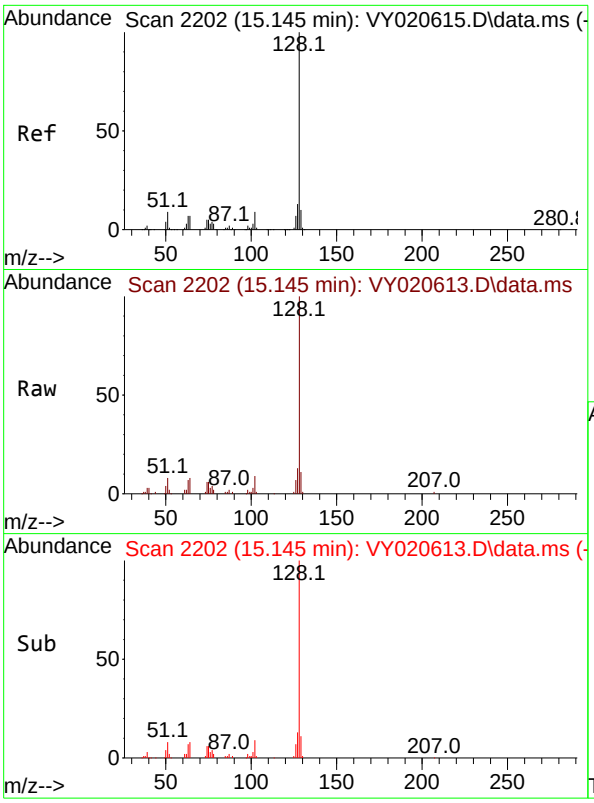


#94
Hexachlorobutadiene
Concen: 10.107 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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



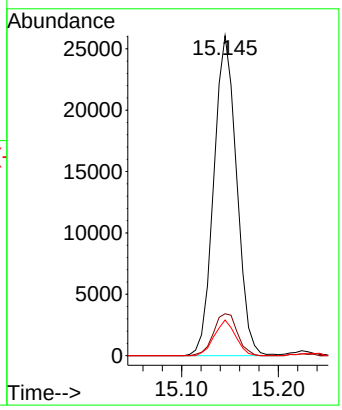


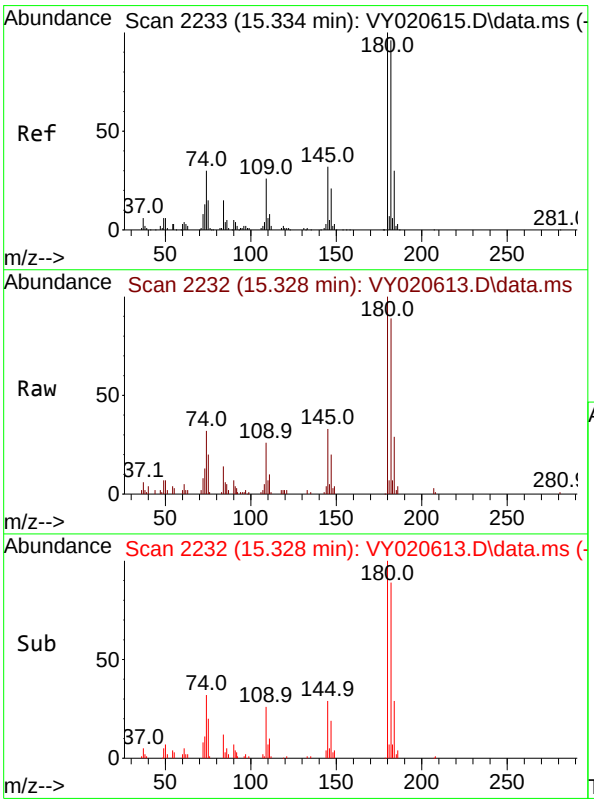
#95
Naphthalene
Concen: 9.901 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

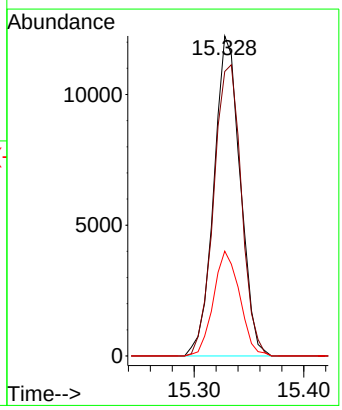




#96
1,2,3-Trichlorobenzene
Concen: 9.602 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

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

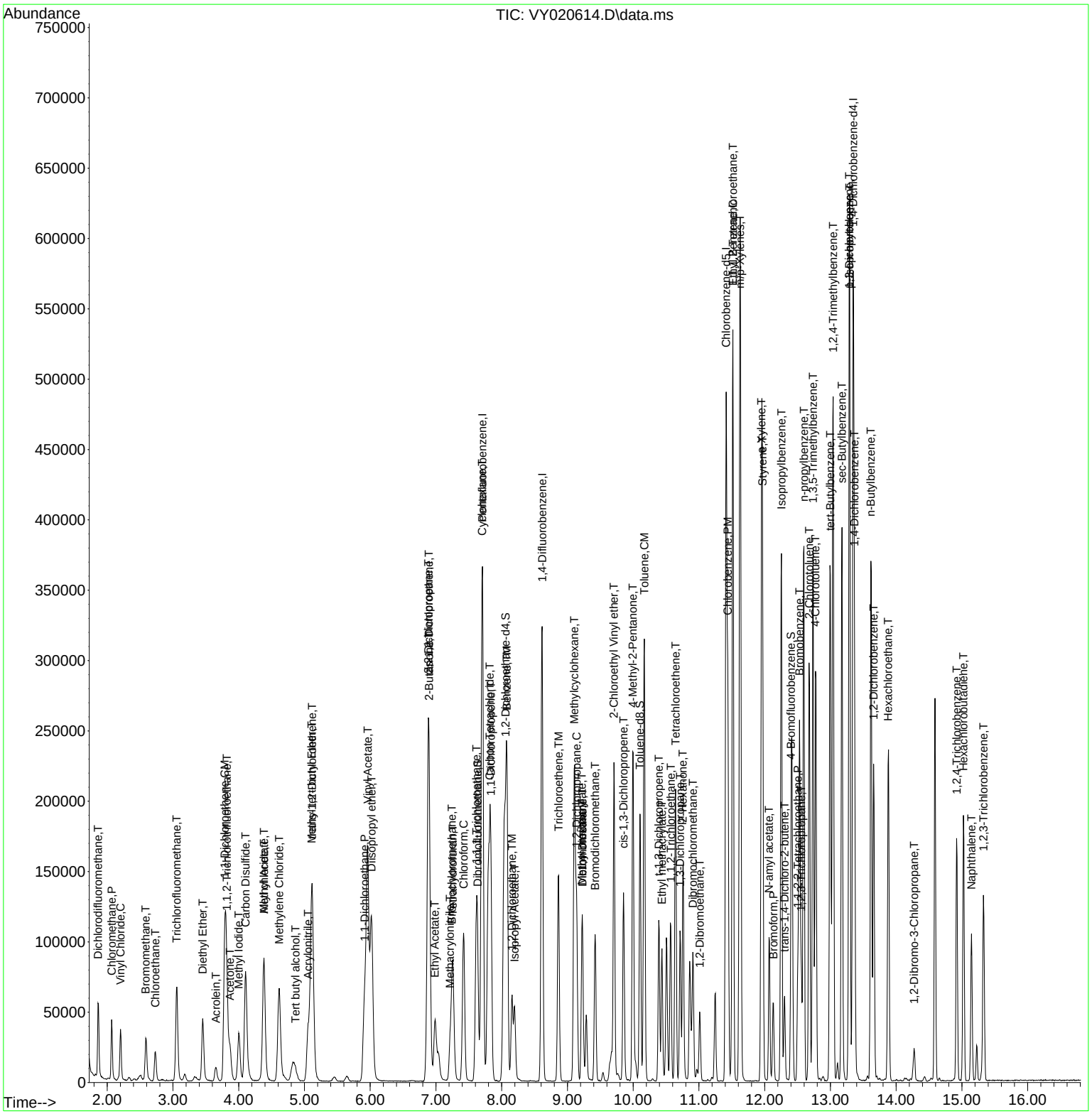
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

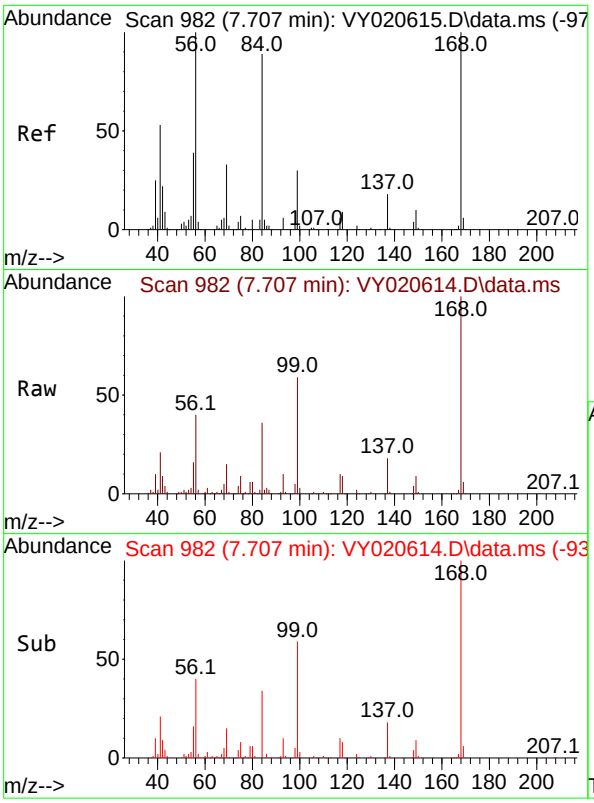
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



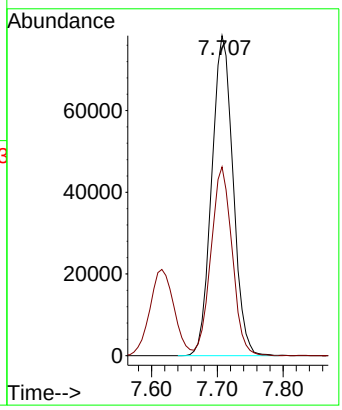


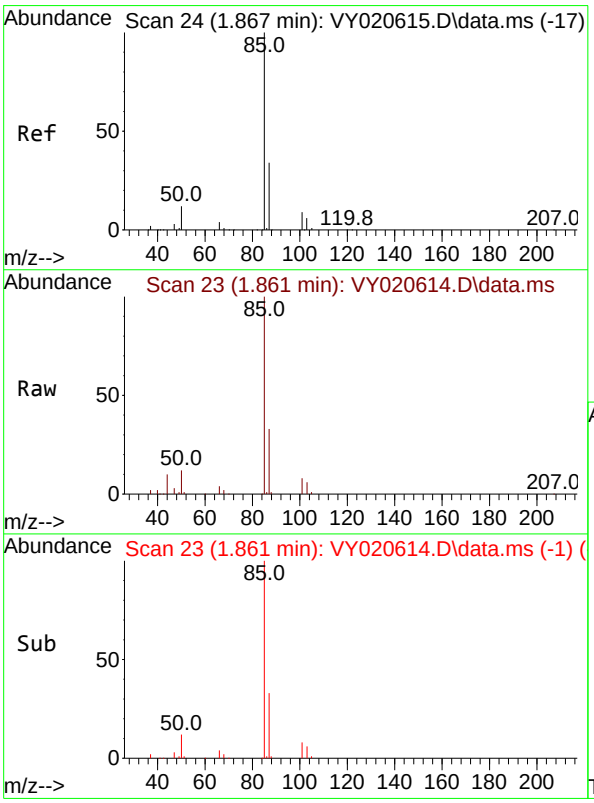
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 177160

Ion	Ratio	Lower	Upper
168	100		
99	59.0	47.0	70.6

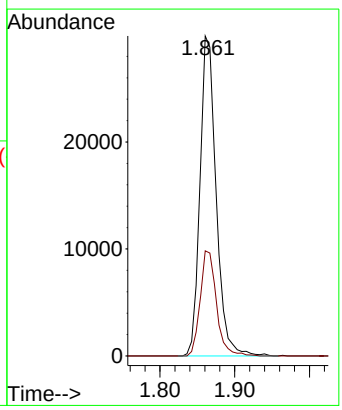


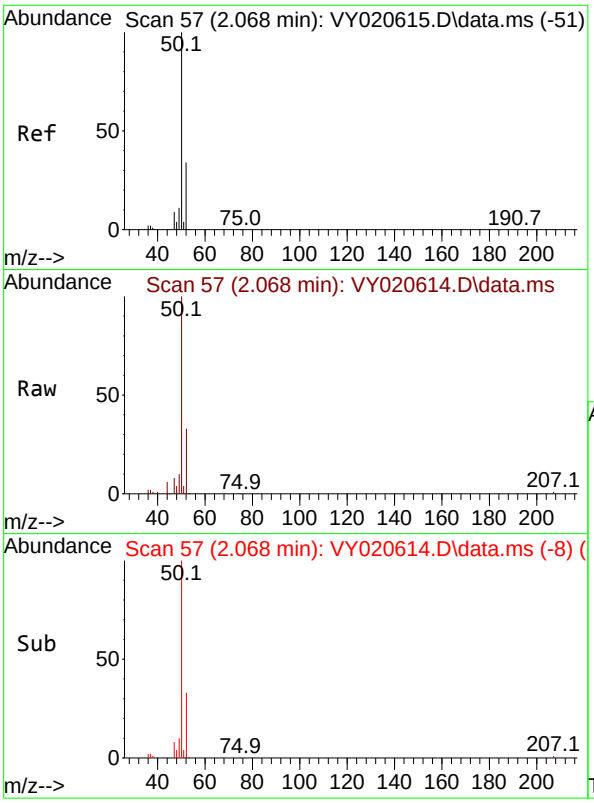


#2
Dichlorodifluoromethane
Concen: 20.280 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 85 Resp: 44875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3



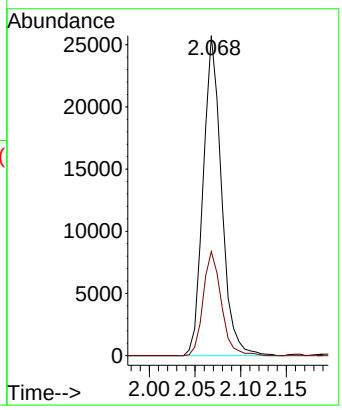


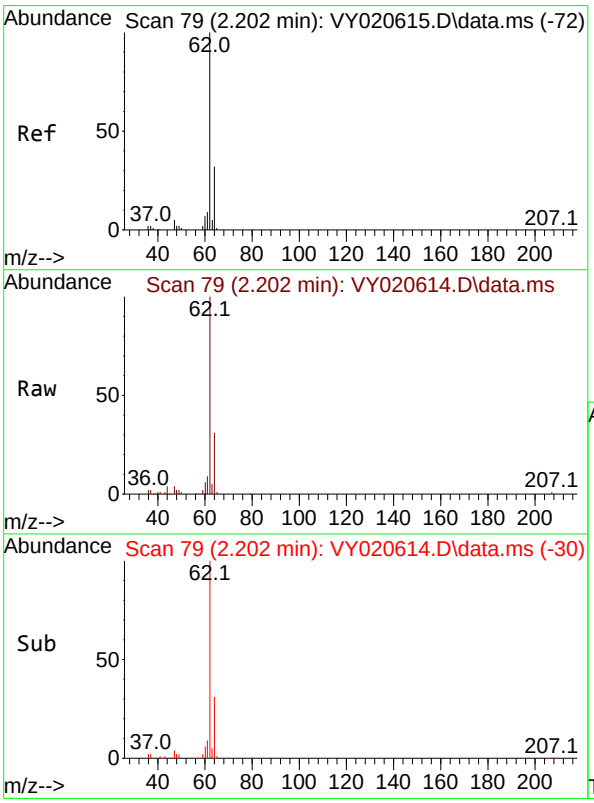
#3
Chloromethane
Concen: 21.863 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 35845

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2

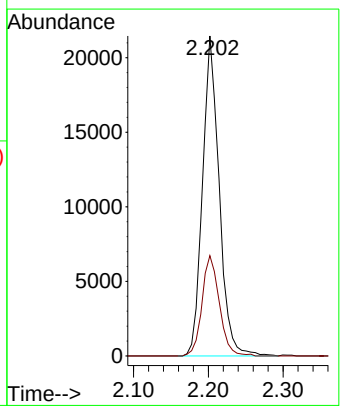


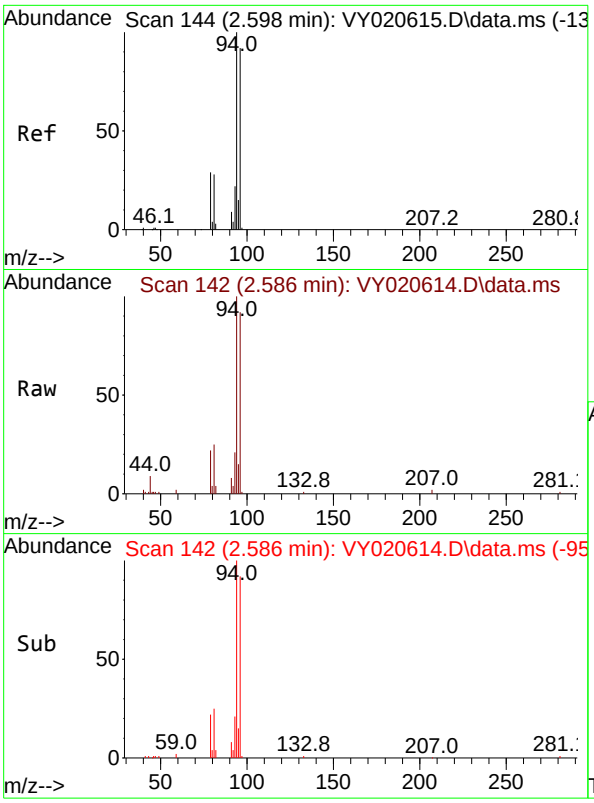


#4
Vinyl Chloride
Concen: 21.791 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 33253

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9



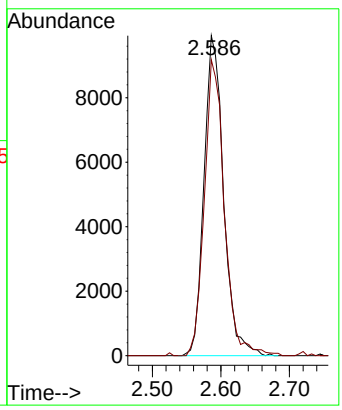


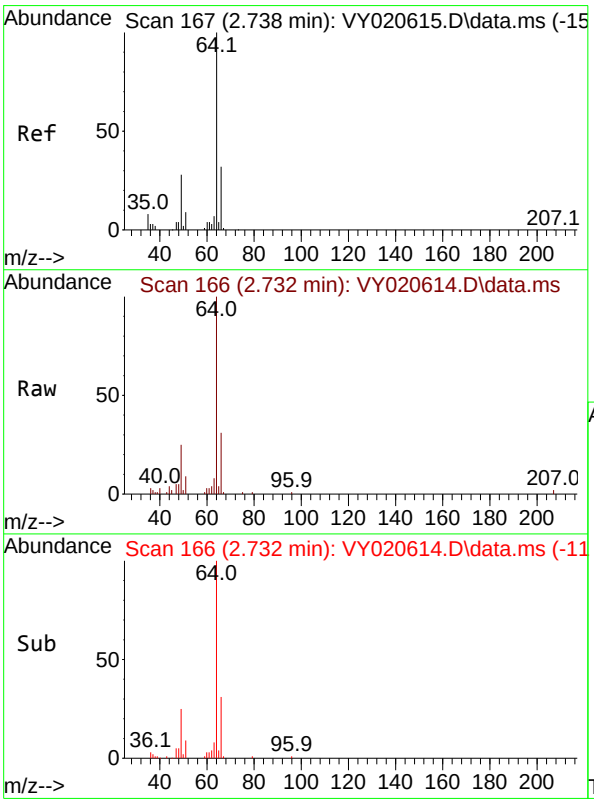
#5
Bromomethane
Concen: 20.142 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 19758

Ion	Ratio	Lower	Upper
94	100		
96	92.5	73.8	110.6

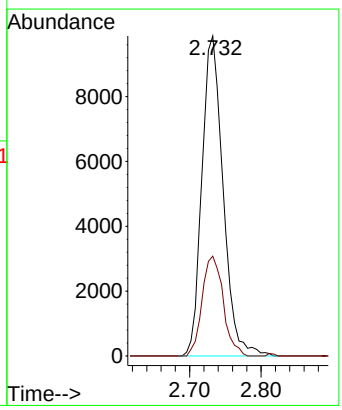


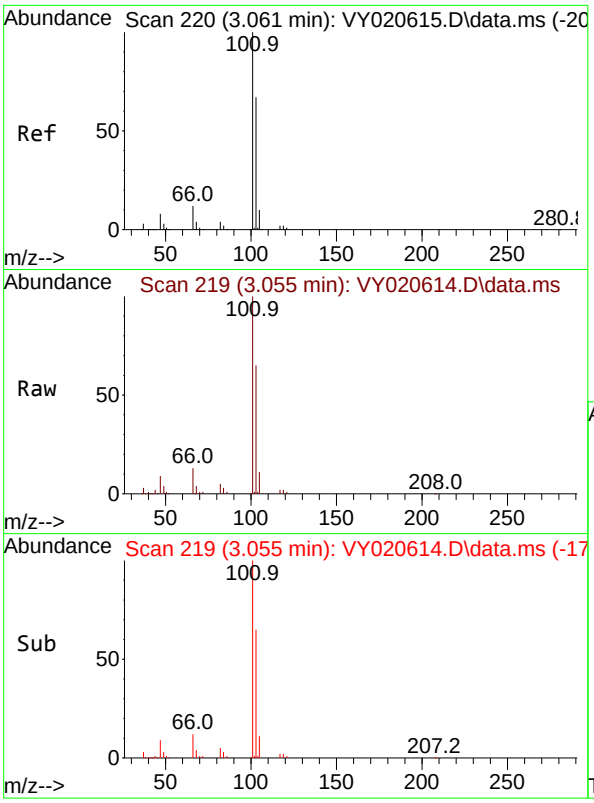


#6
Chloroethane
Concen: 21.539 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 64 Resp: 20312

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6



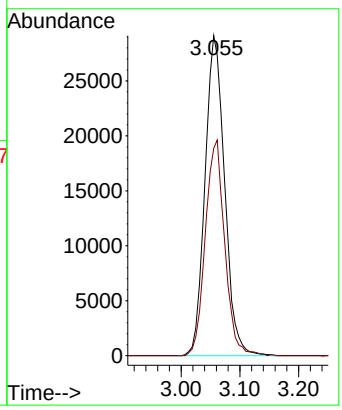


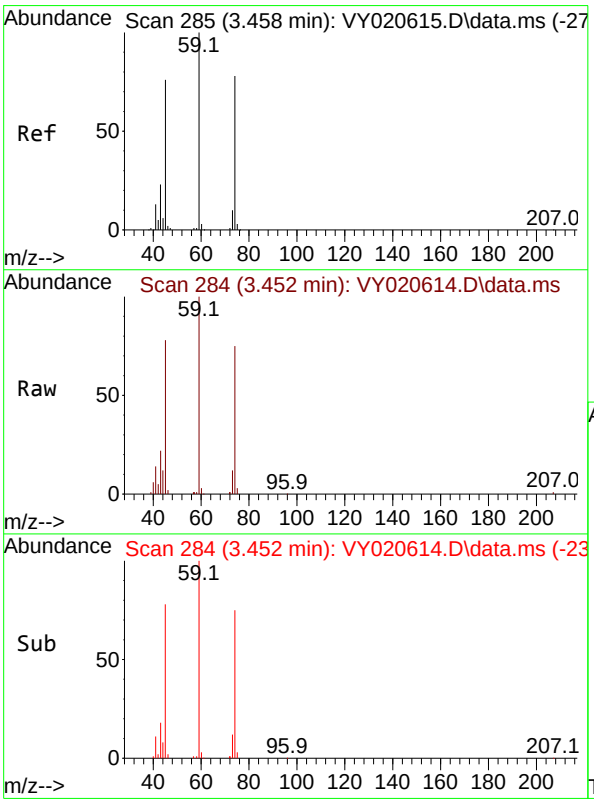
#7
Trichlorofluoromethane
Concen: 21.169 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 67594

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.0

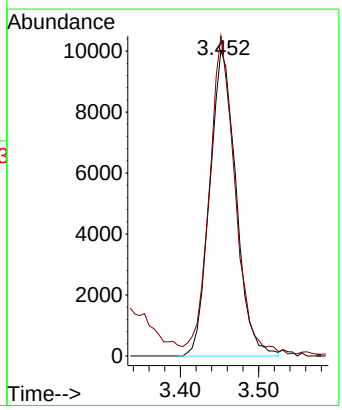


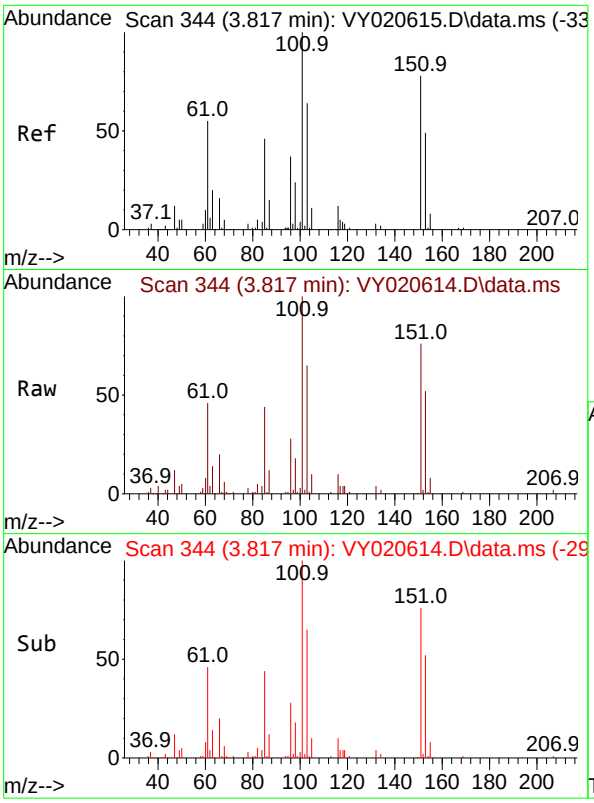


#8
Diethyl Ether
Concen: 20.878 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 74 Resp: 23380

Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.0	147.2



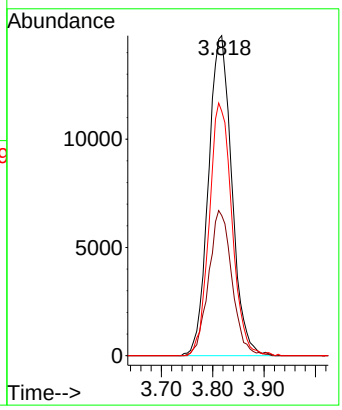


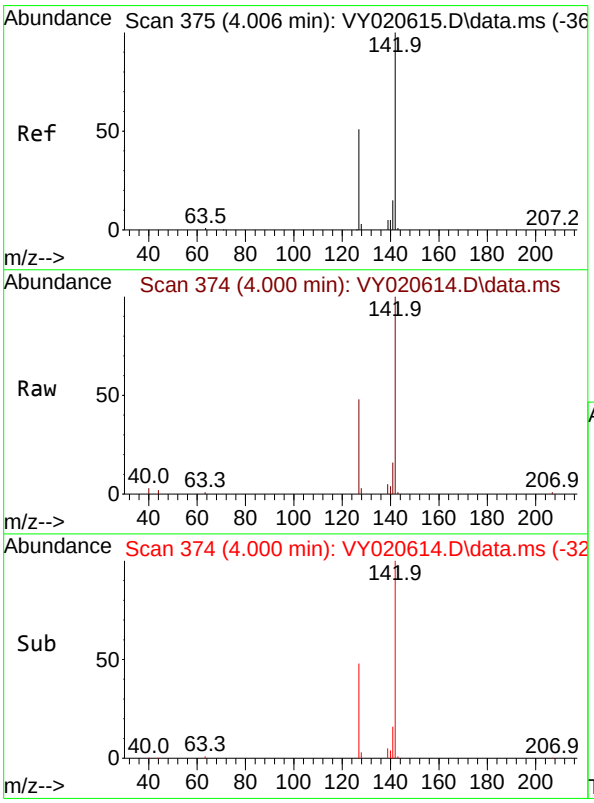
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.403 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

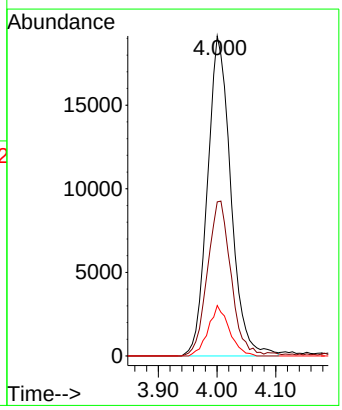


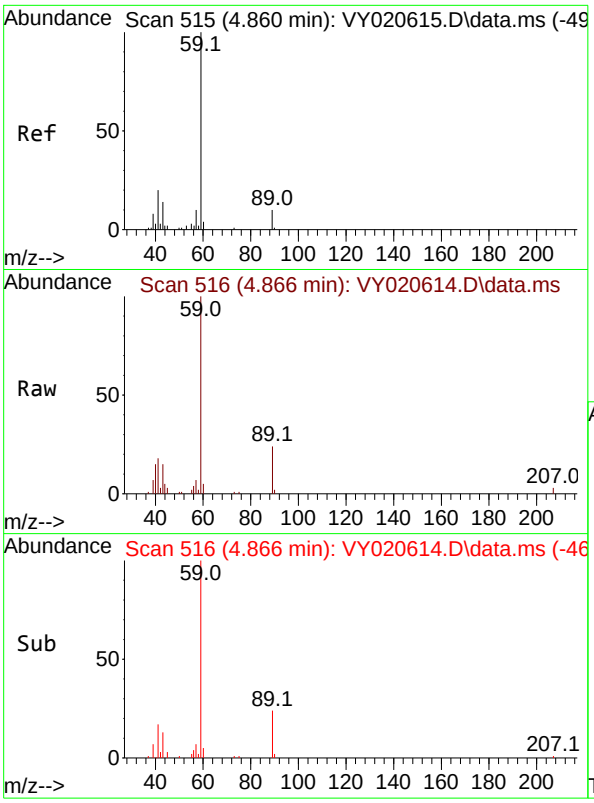


#10
Methyl Iodide
Concen: 20.758 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



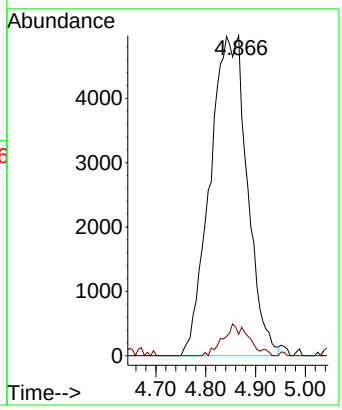


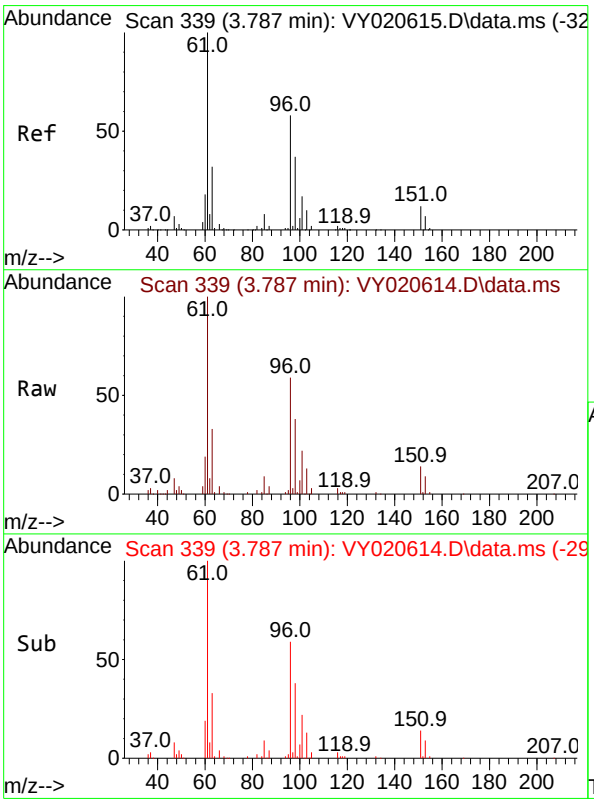
#11
Tert butyl alcohol
Concen: 106.274 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 25807

Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.4	11.0#

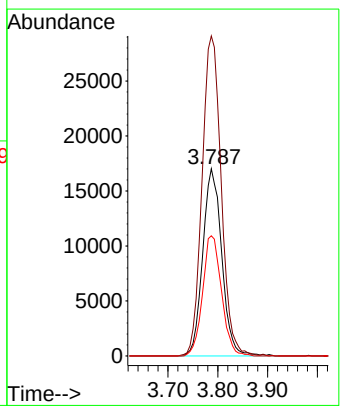


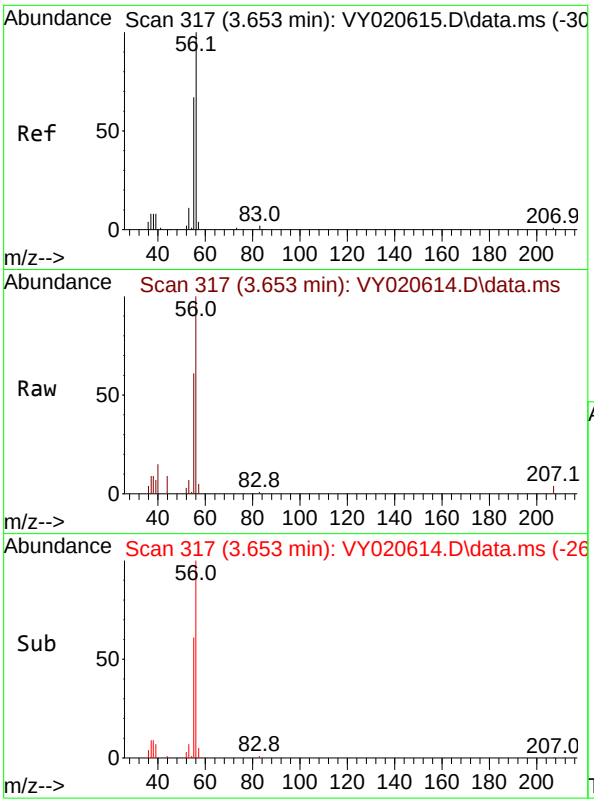


#12
1,1-Dichloroethene
Concen: 20.319 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



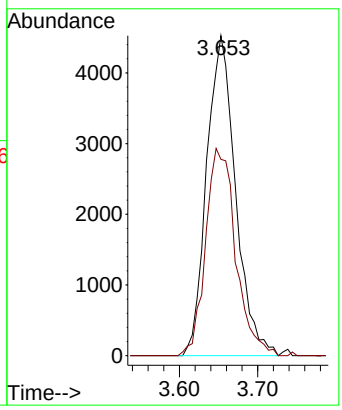


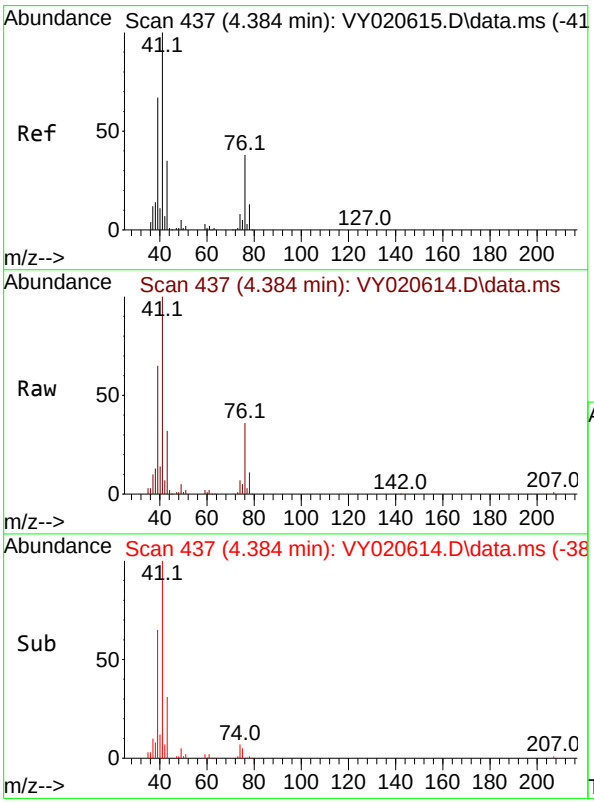
#13
Acrolein
Concen: 126.557 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 11611

Ion	Ratio	Lower	Upper
56	100		
55	67.2	57.5	86.3

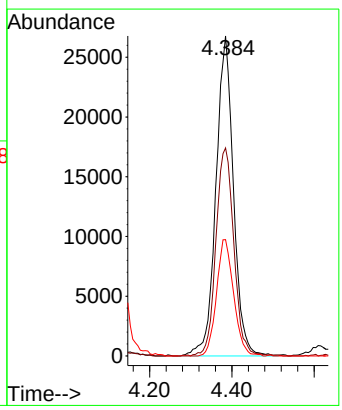


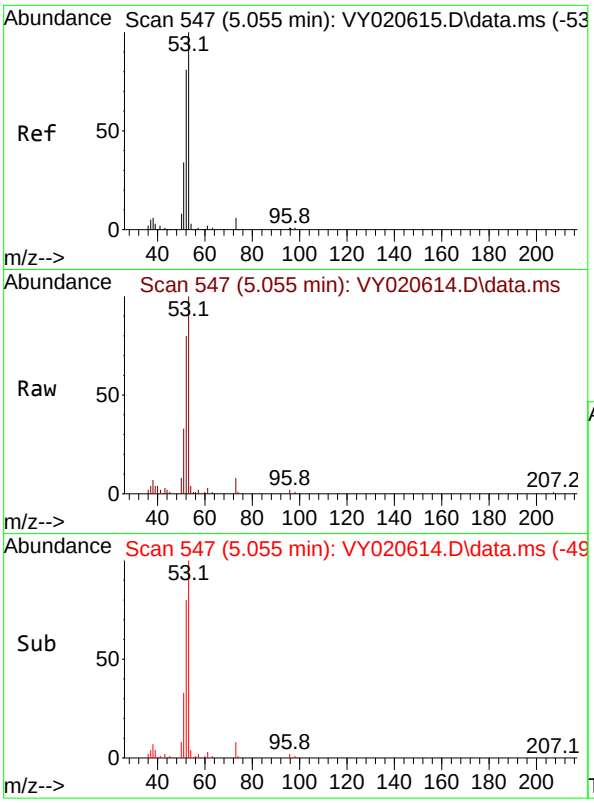


#14
Allyl chloride
Concen: 20.368 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



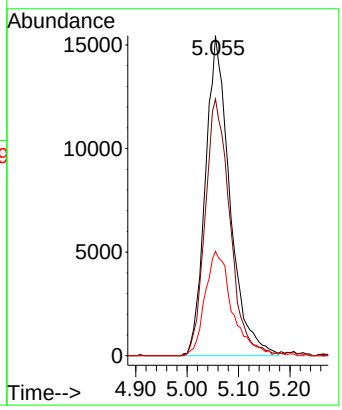


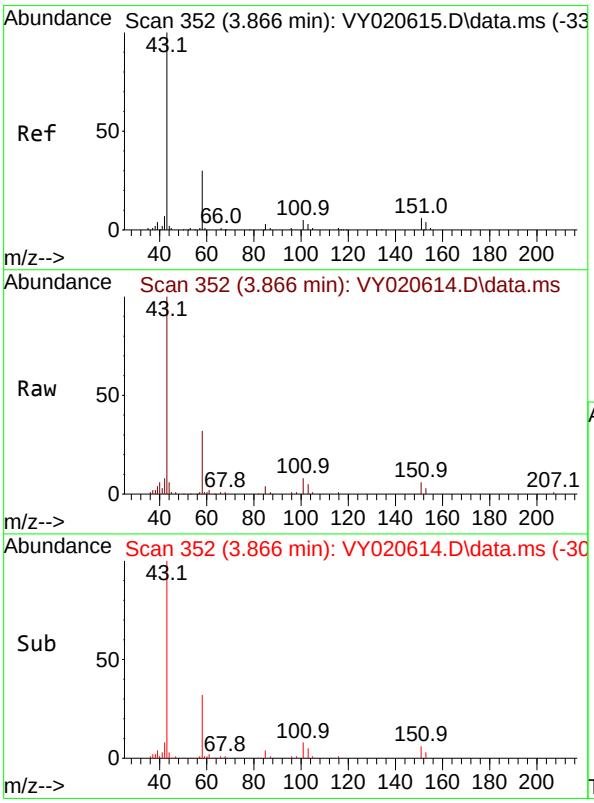
#15
Acrylonitrile
Concen: 95.416 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

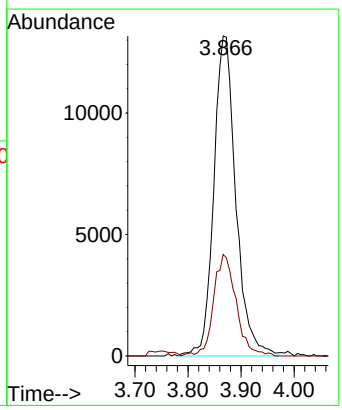


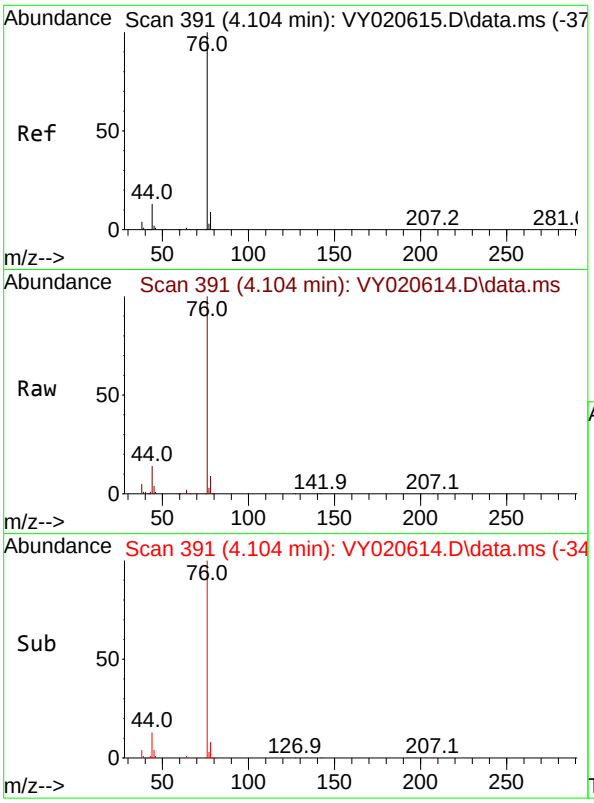


#16
Acetone
Concen: 94.781 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 38075

Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.0	37.6



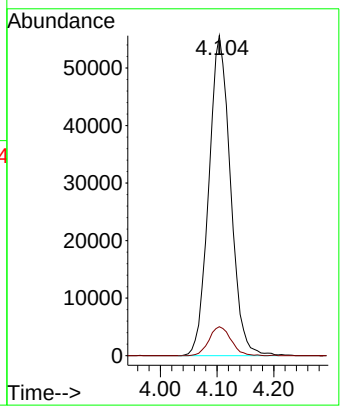


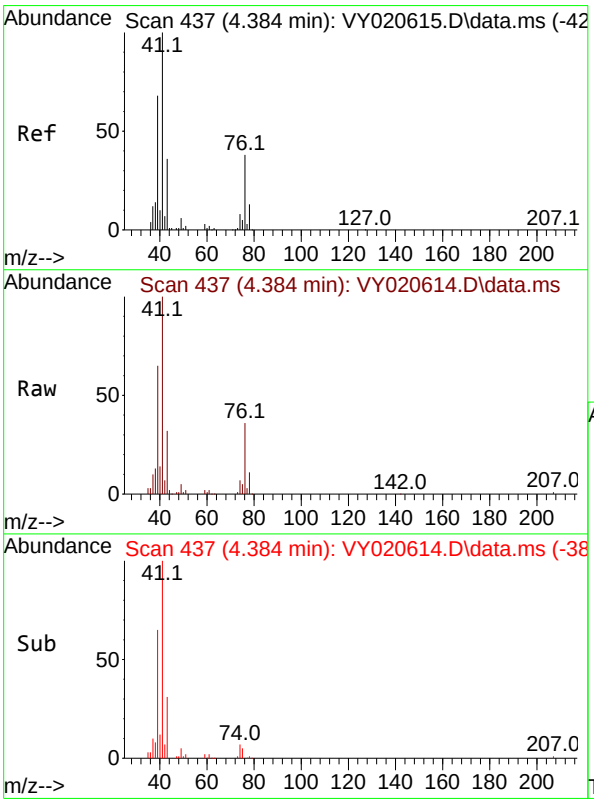
#17
Carbon Disulfide
Concen: 20.416 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 147576

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

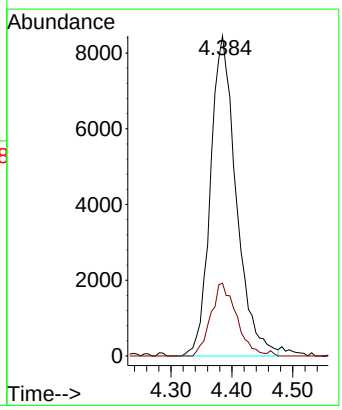


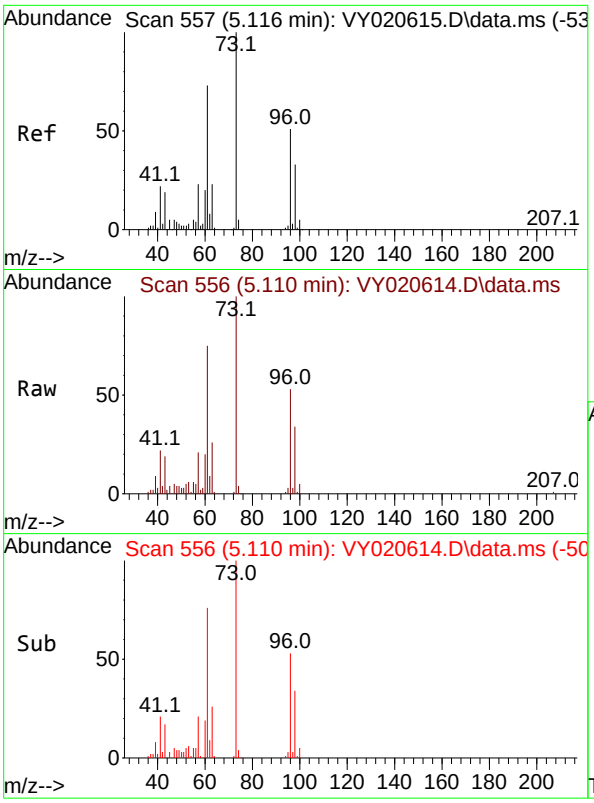


#18
Methyl Acetate
Concen: 18.851 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 24886

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8



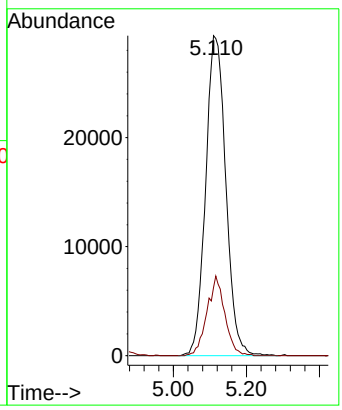


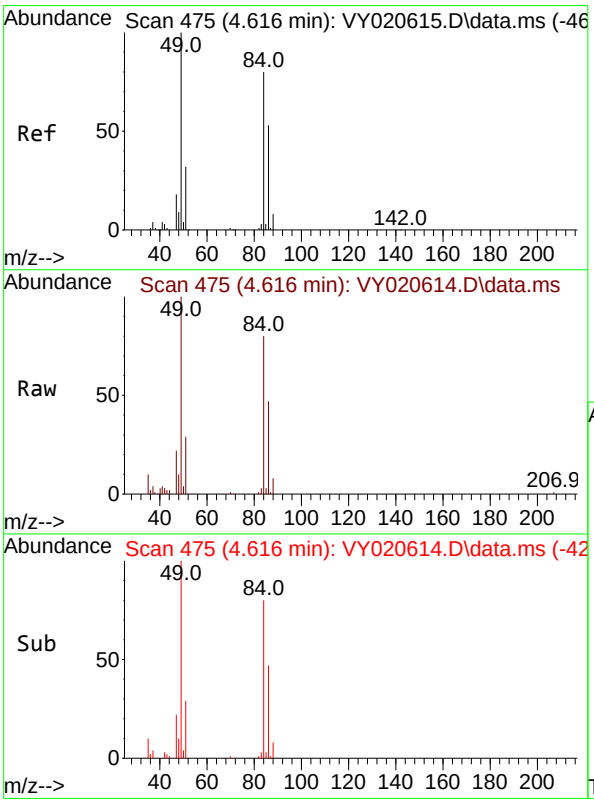
#19
Methyl tert-butyl Ether
Concen: 19.582 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 112241

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

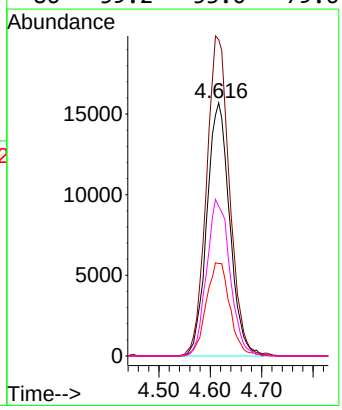


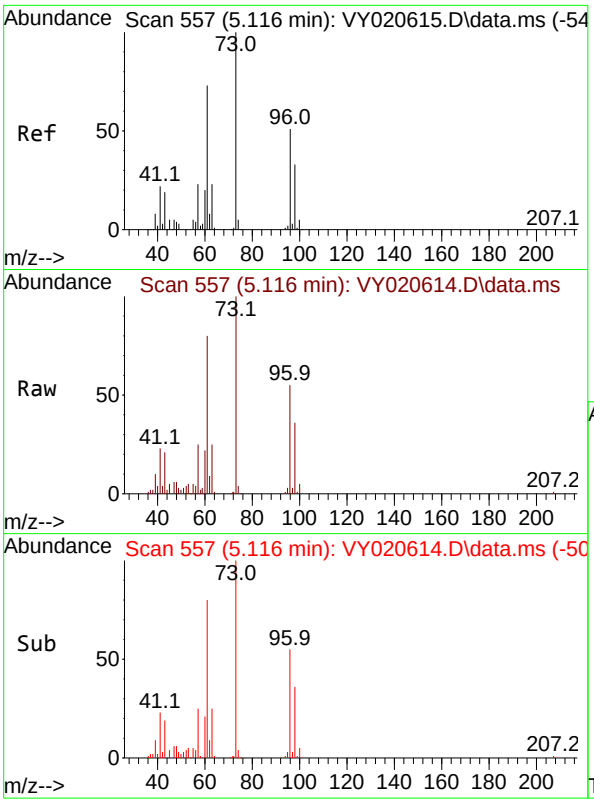


#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



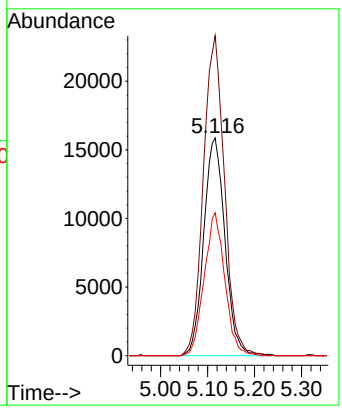


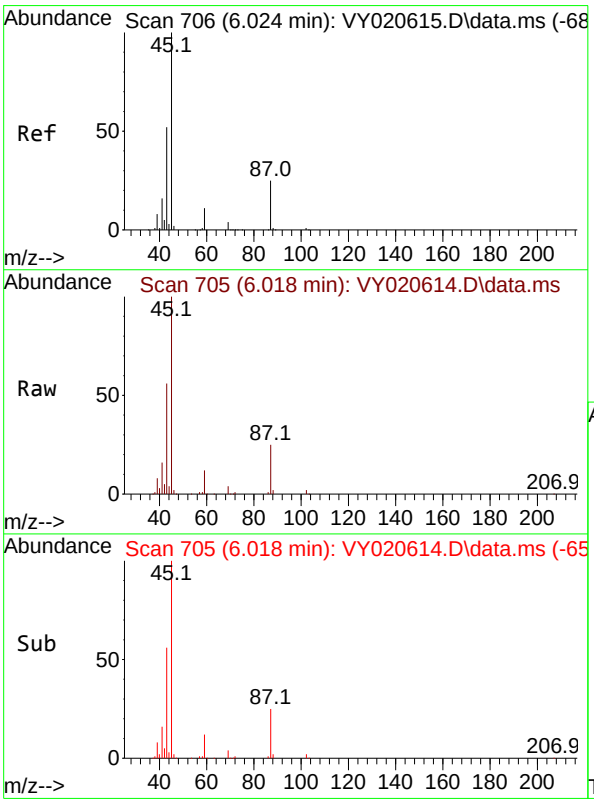
#21
trans-1,2-Dichloroethene
Concen: 19.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

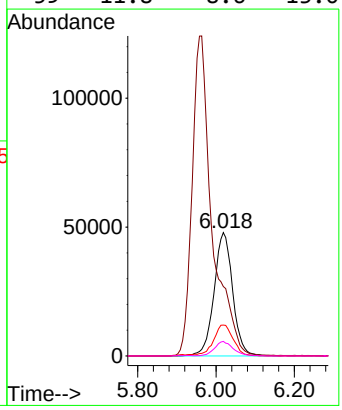


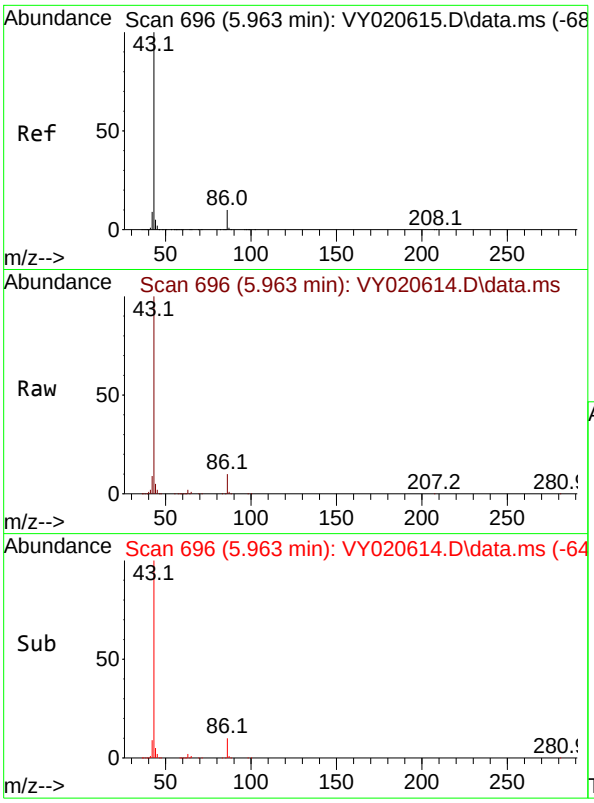


#22
Diisopropyl ether
Concen: 20.055 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



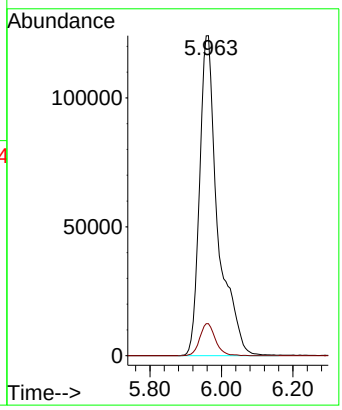


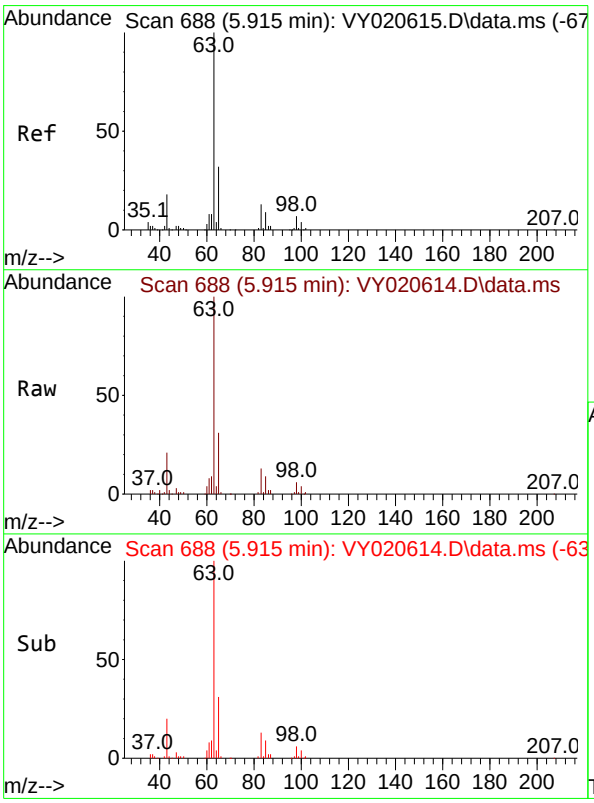
#23
Vinyl Acetate
Concen: 98.587 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 441039

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

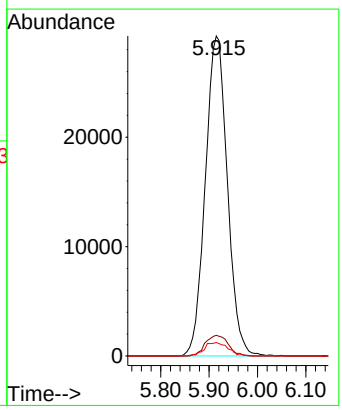


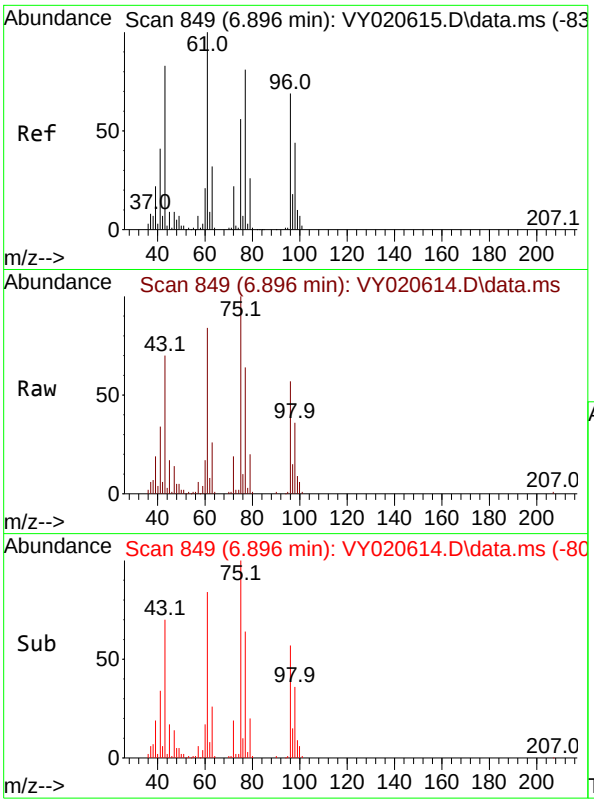


#24
1,1-Dichloroethane
Concen: 20.011 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



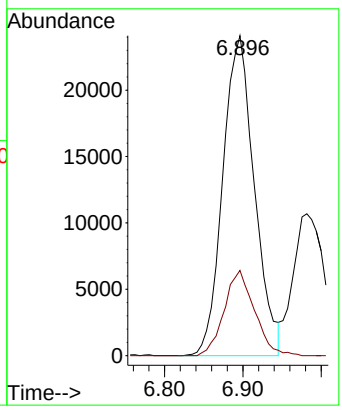


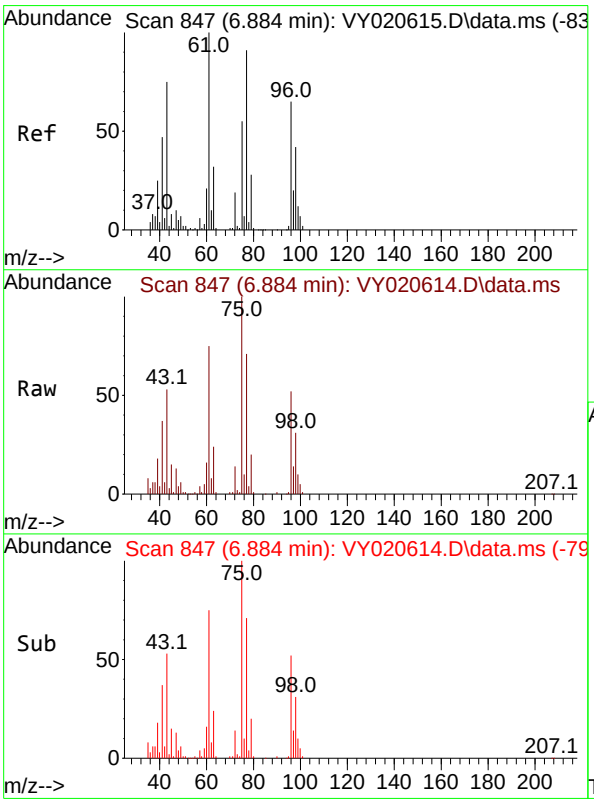
#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 67498

Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.6	31.0

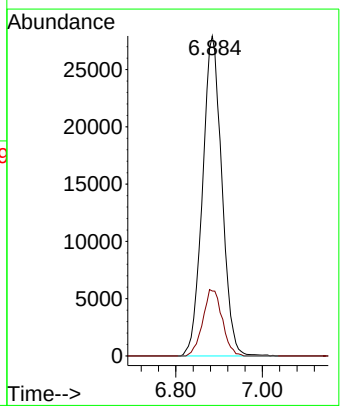


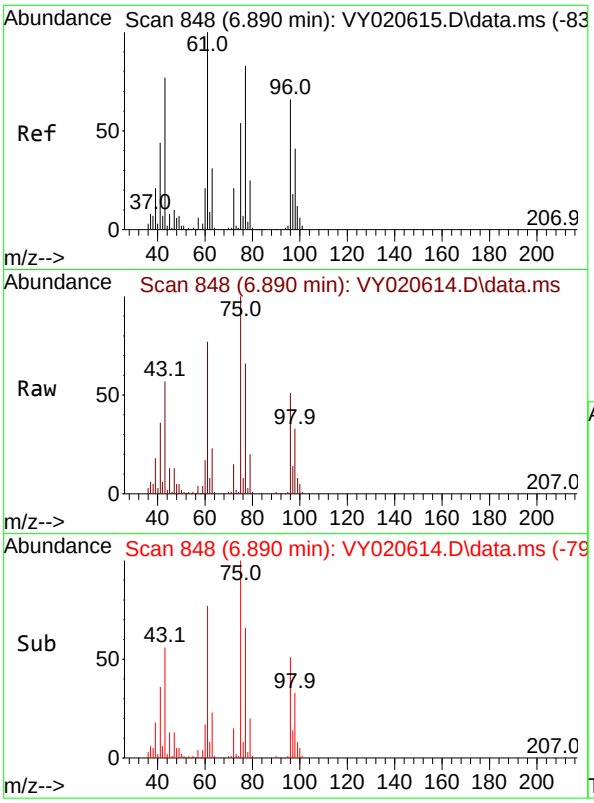


#26
2,2-Dichloropropane
Concen: 19.750 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 77 Resp: 86393

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.9	32.6



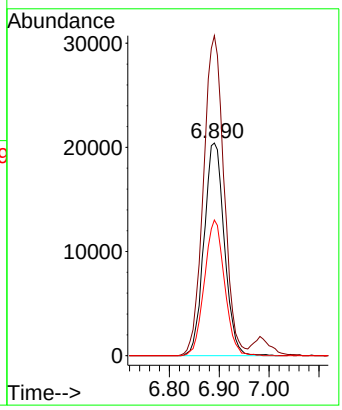


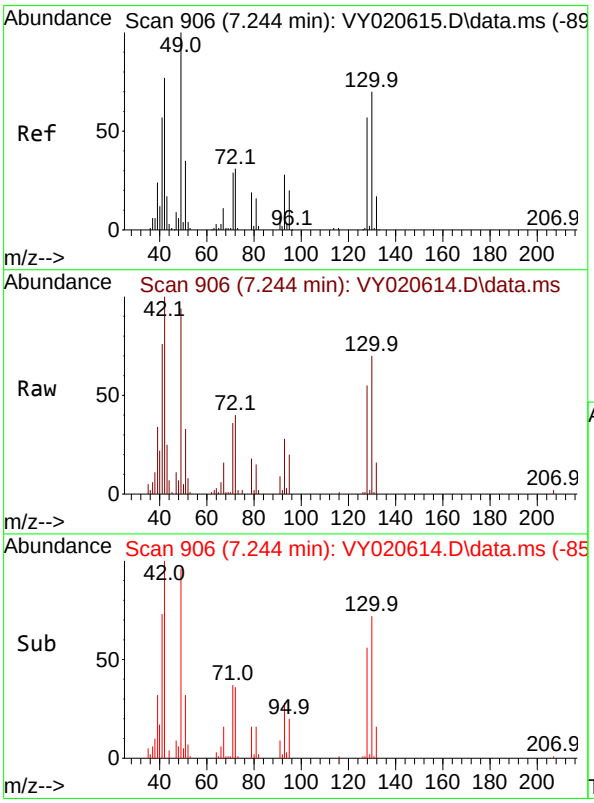
#27
cis-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

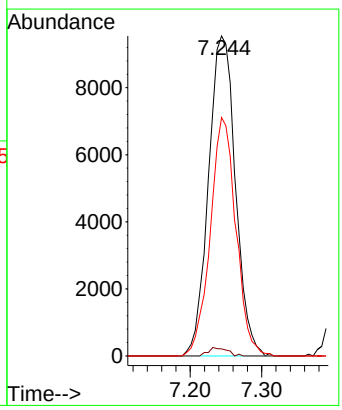


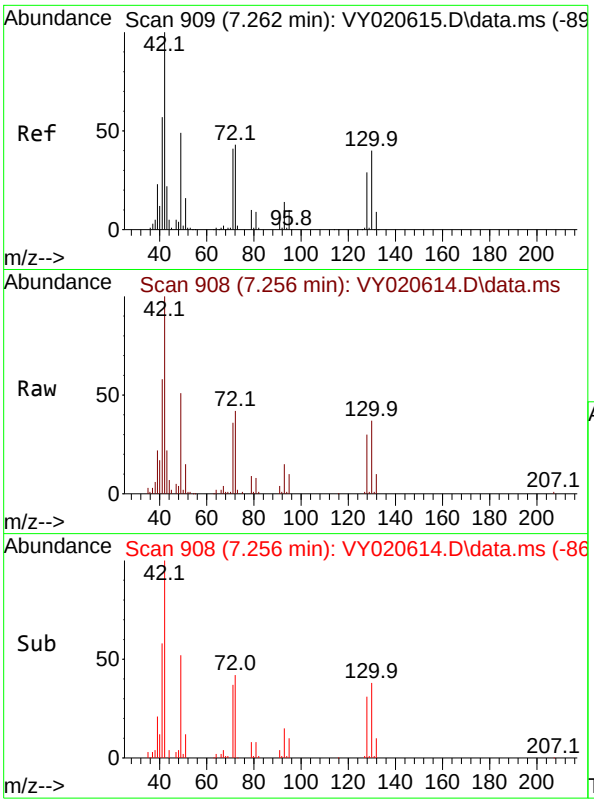


#28
Bromochloromethane
Concen: 16.009 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



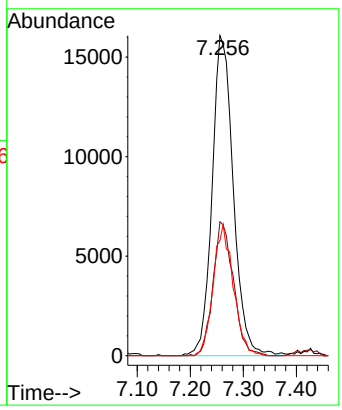


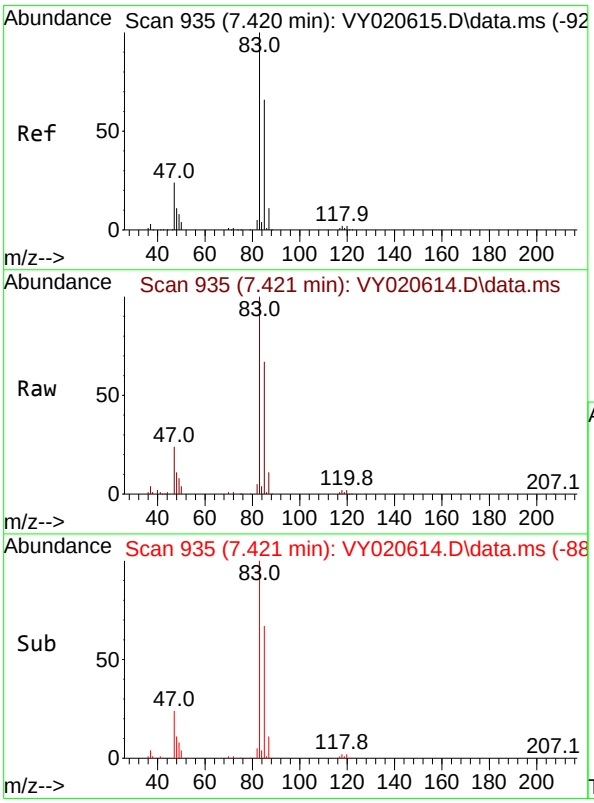
#29
Tetrahydrofuran
Concen: 98.059 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

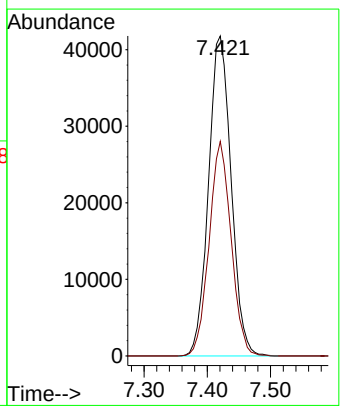


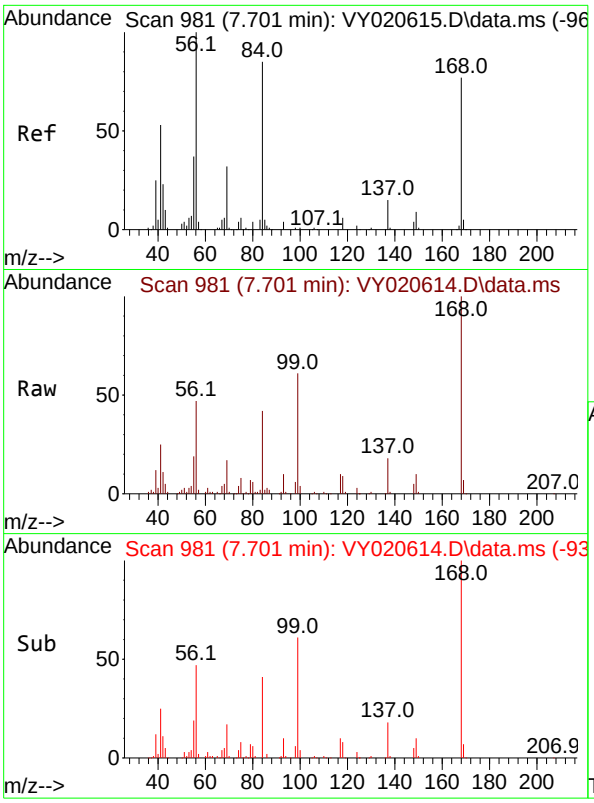


#30
Chloroform
Concen: 19.065 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 103806

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.7	79.1



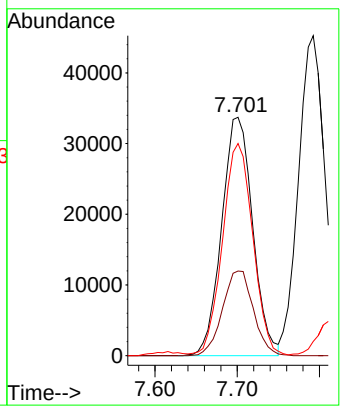


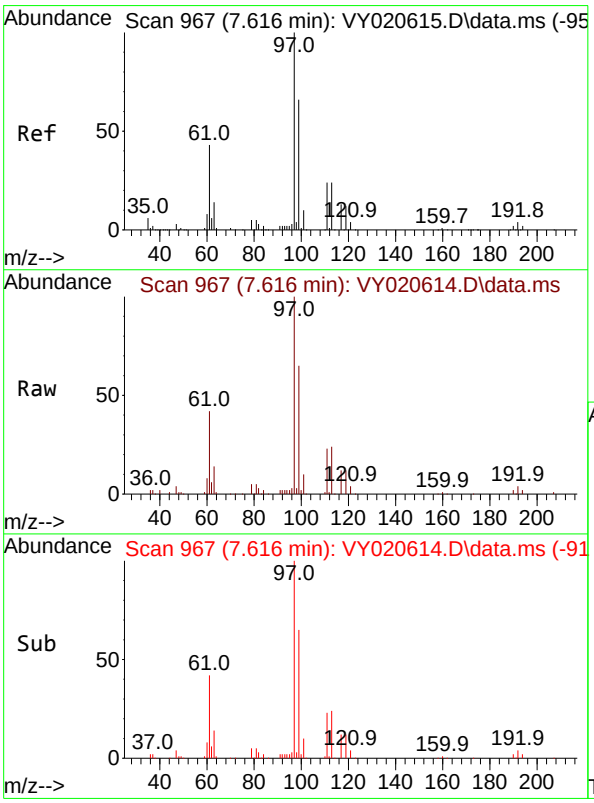
#31
Cyclohexane
Concen: 19.966 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

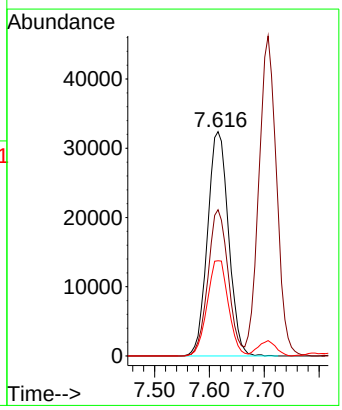


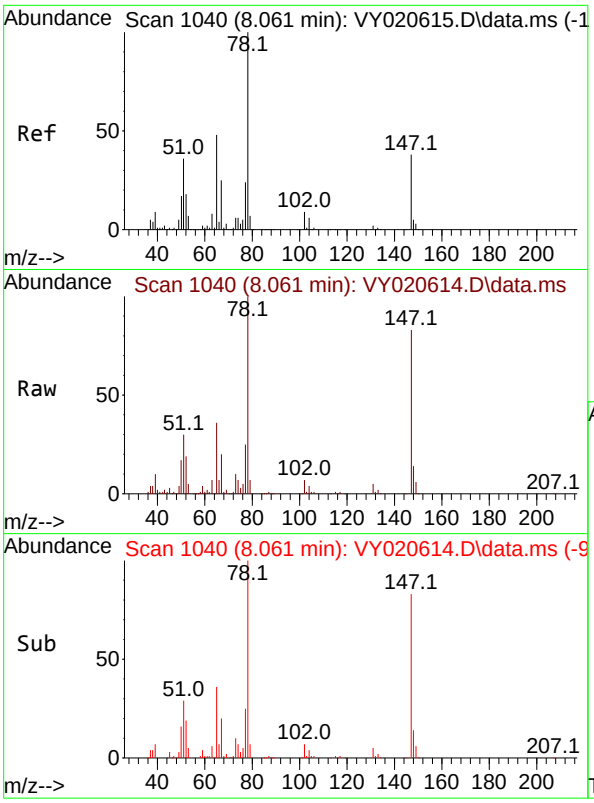


#32
1,1,1-Trichloroethane
Concen: 20.249 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



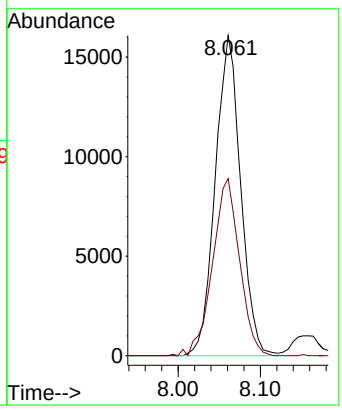


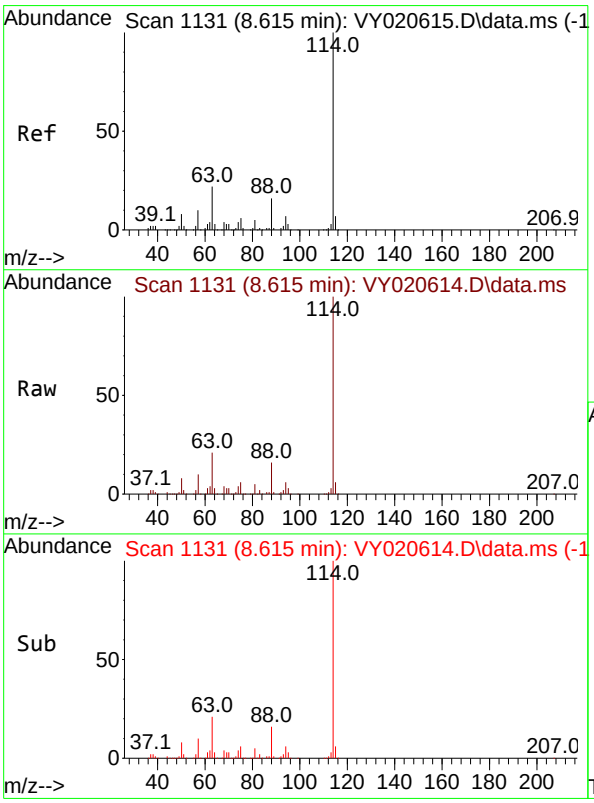
#33
1,2-Dichloroethane-d4
Concen: 17.777 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 34492

Ion	Ratio	Lower	Upper
65	100		
67	58.8	0.0	108.0

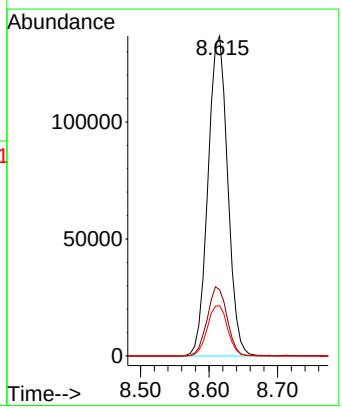


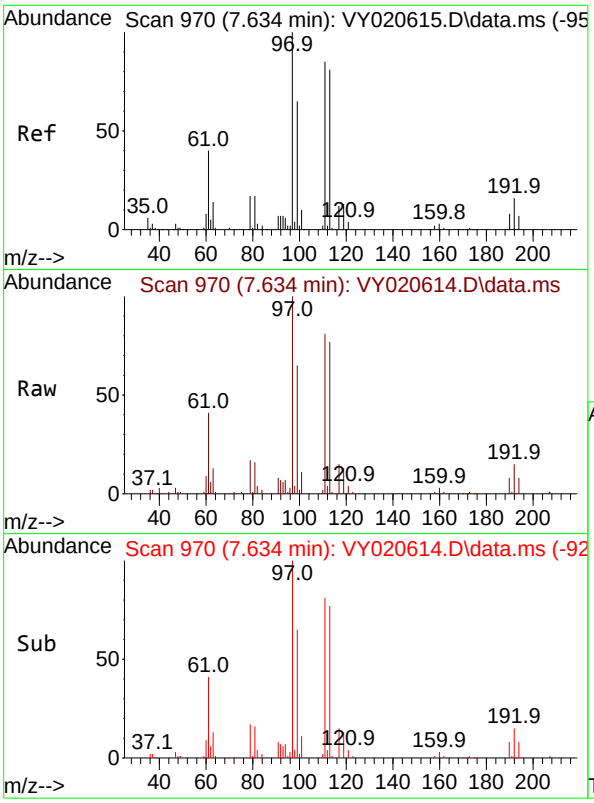


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



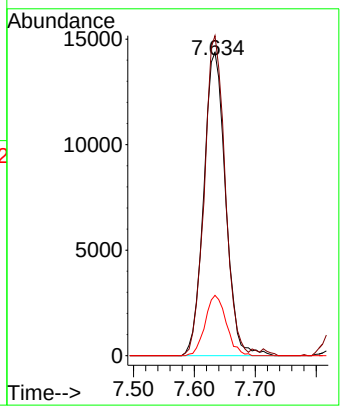


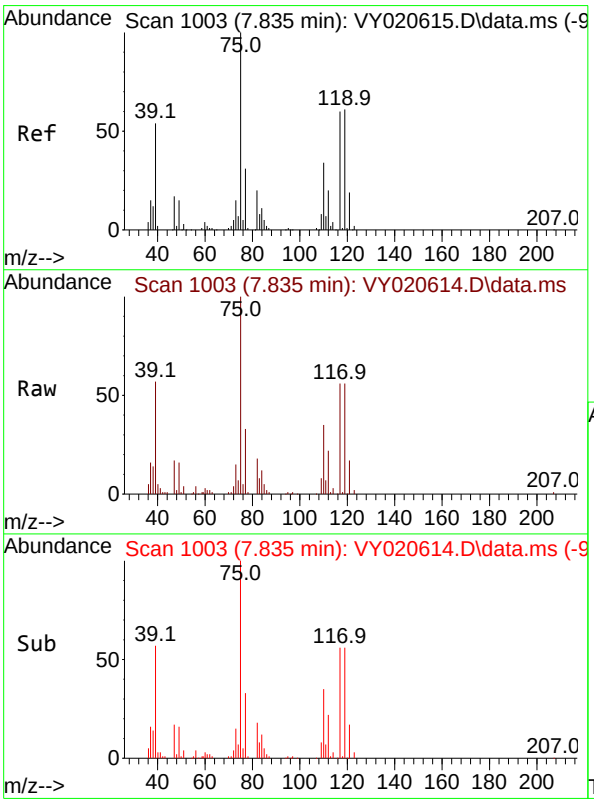
#35
Dibromofluoromethane
Concen: 18.603 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

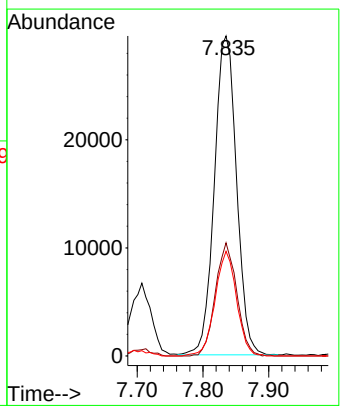


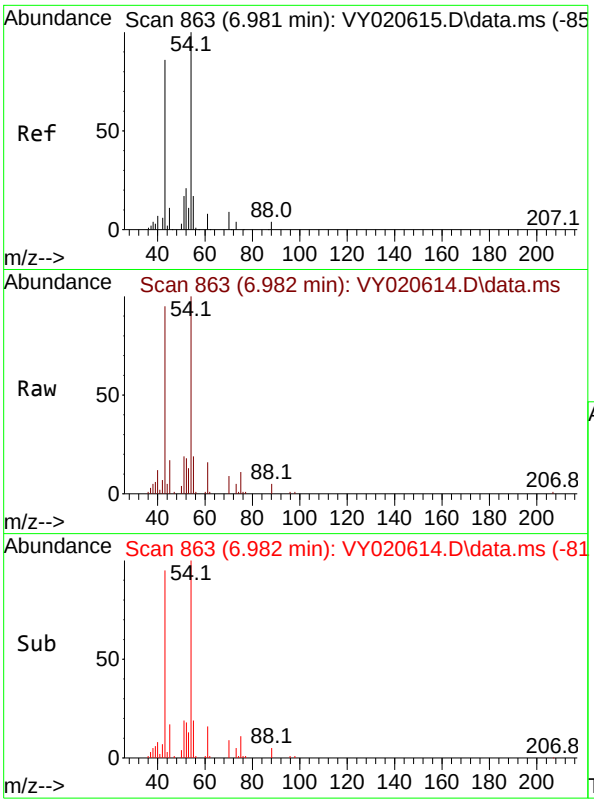


#36
1,1-Dichloropropene
Concen: 19.828 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



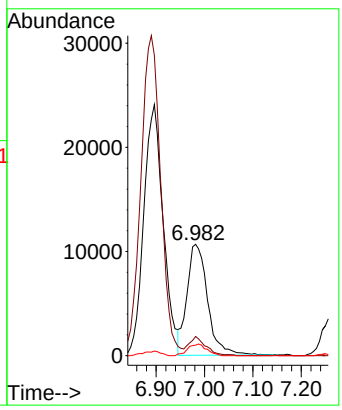


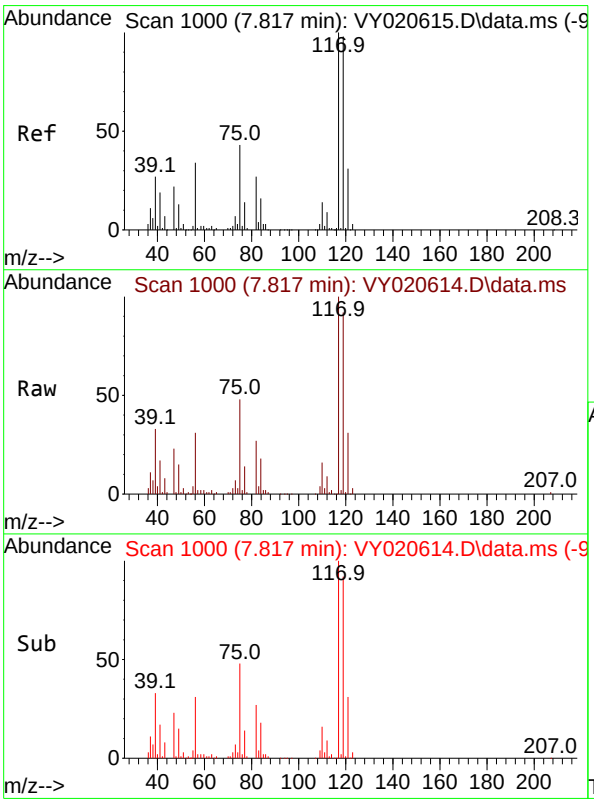
#37
Ethyl Acetate
Concen: 19.166 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

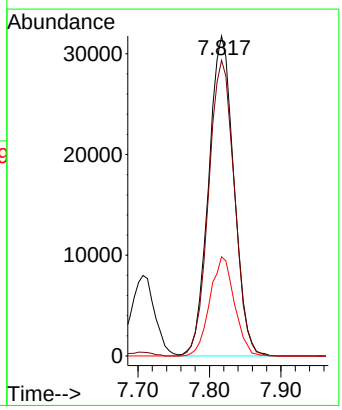


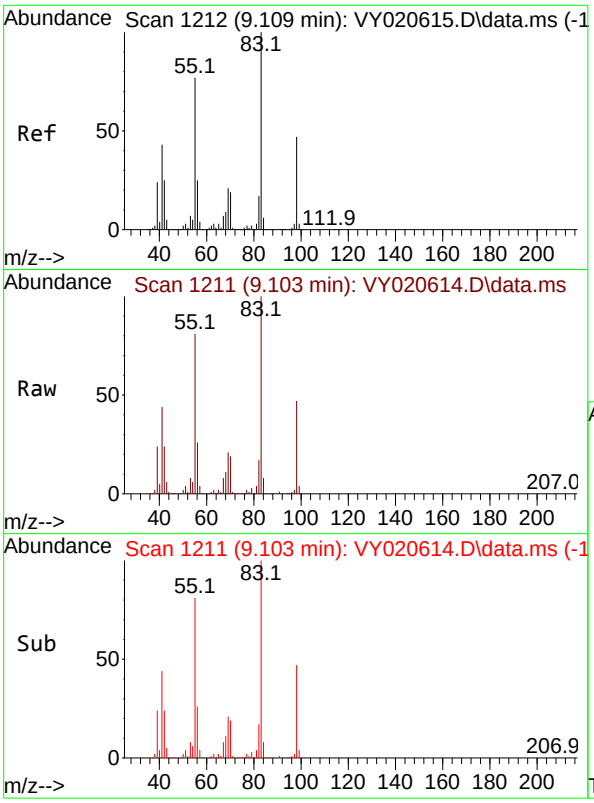


#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



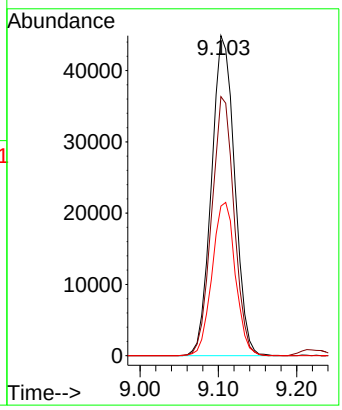


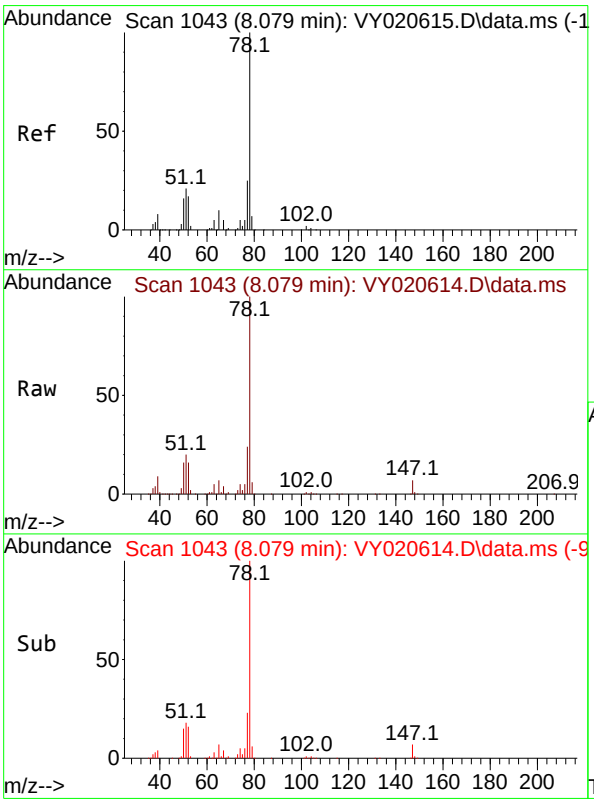
#39
Methylcyclohexane
Concen: 20.249 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

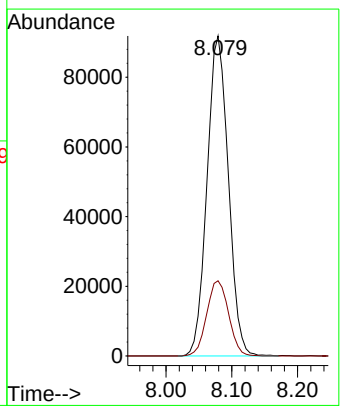


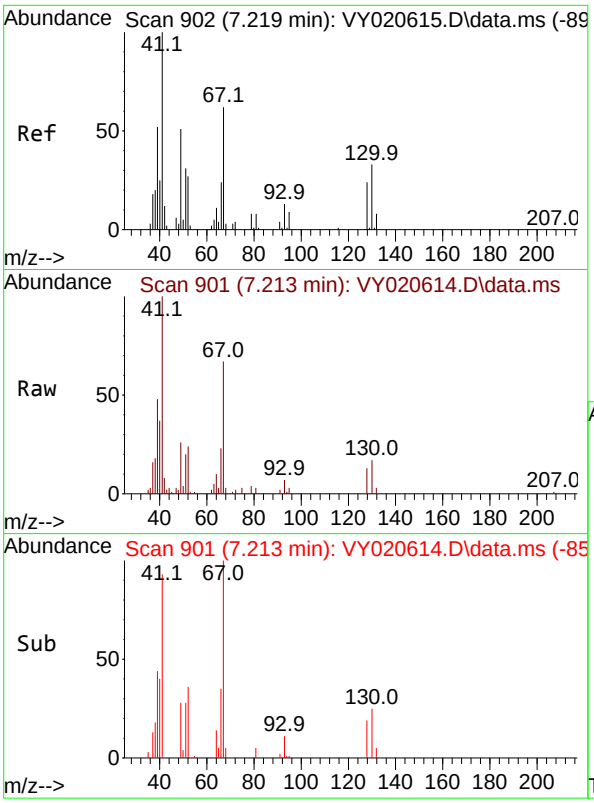


#40
Benzene
Concen: 20.176 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 78 Resp: 207185

Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.1	30.1



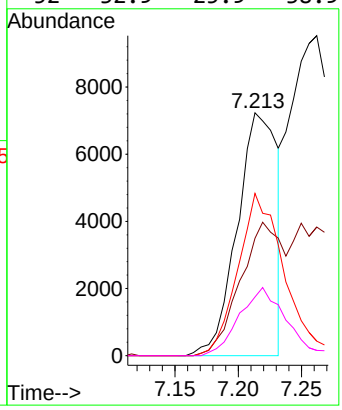


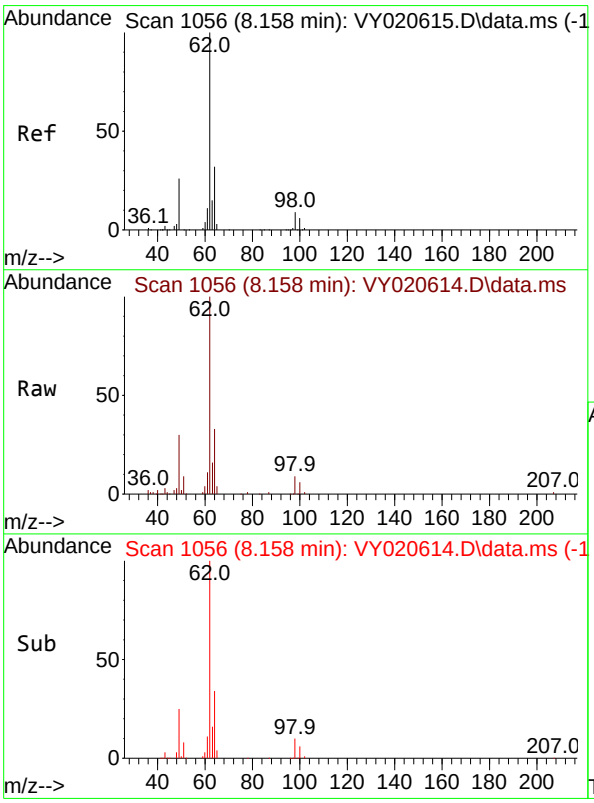
#41
Methacrylonitrile
Concen: 18.232 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

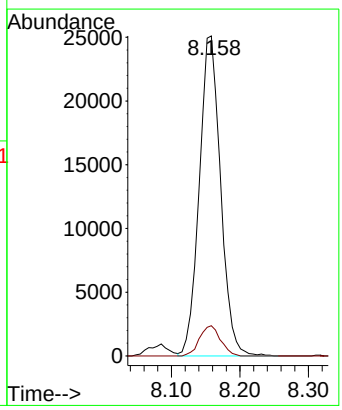


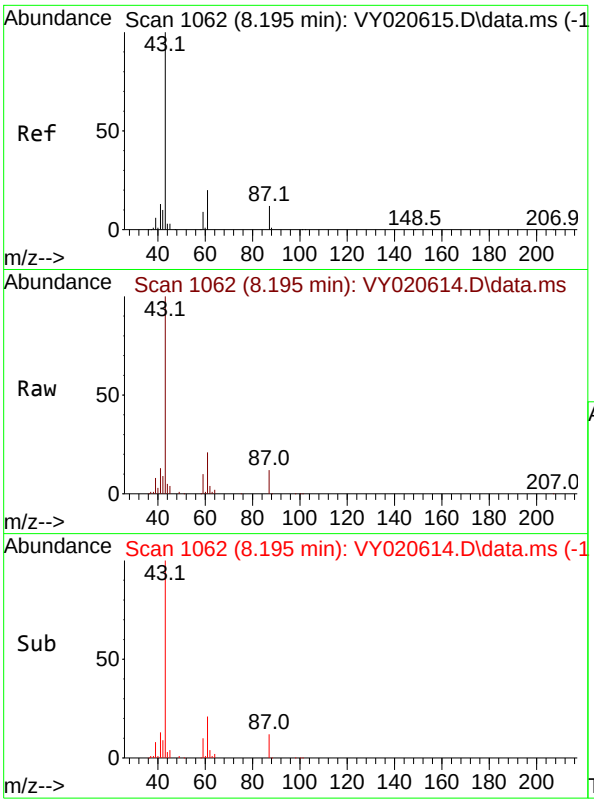


#42
1,2-Dichloroethane
Concen: 19.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 54425

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



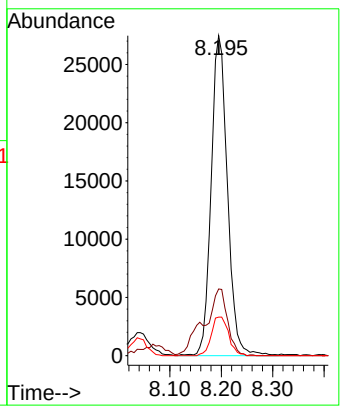


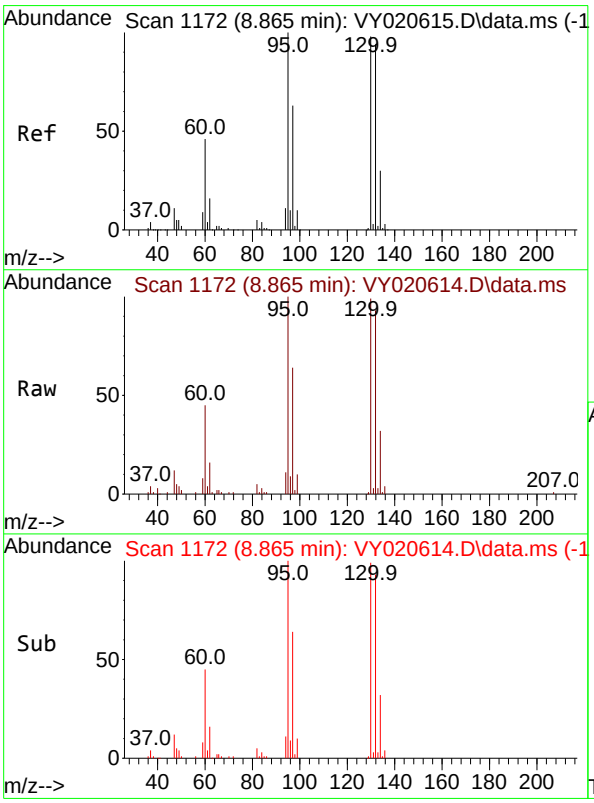
#43
Isopropyl Acetate
Concen: 19.375 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

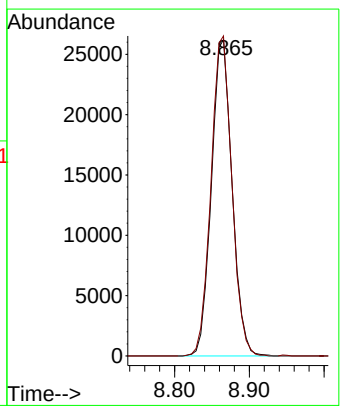


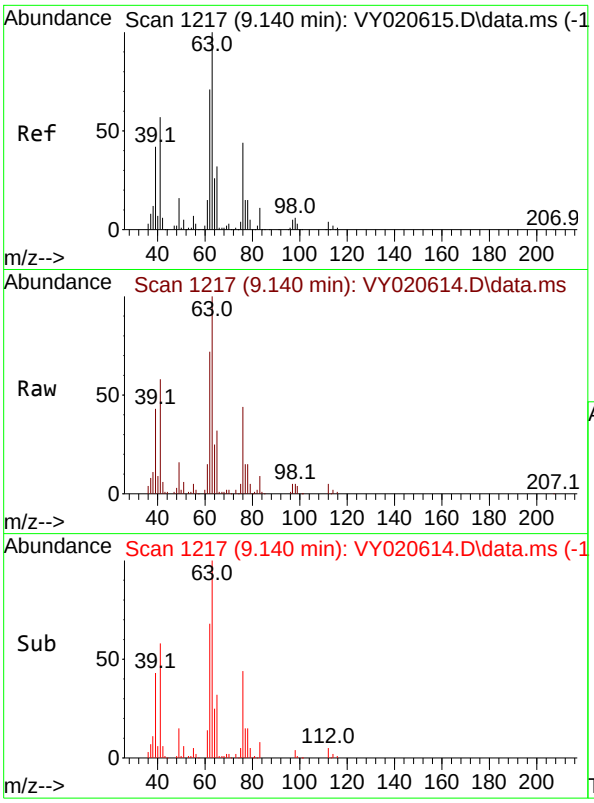


#44
Trichloroethene
Concen: 19.952 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:130 Resp: 50346

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	203.2



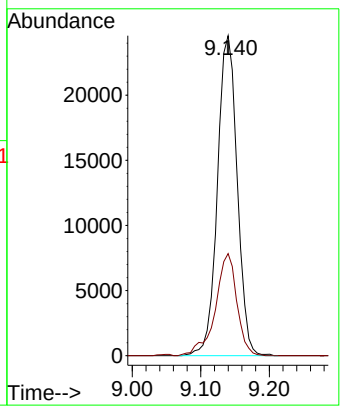


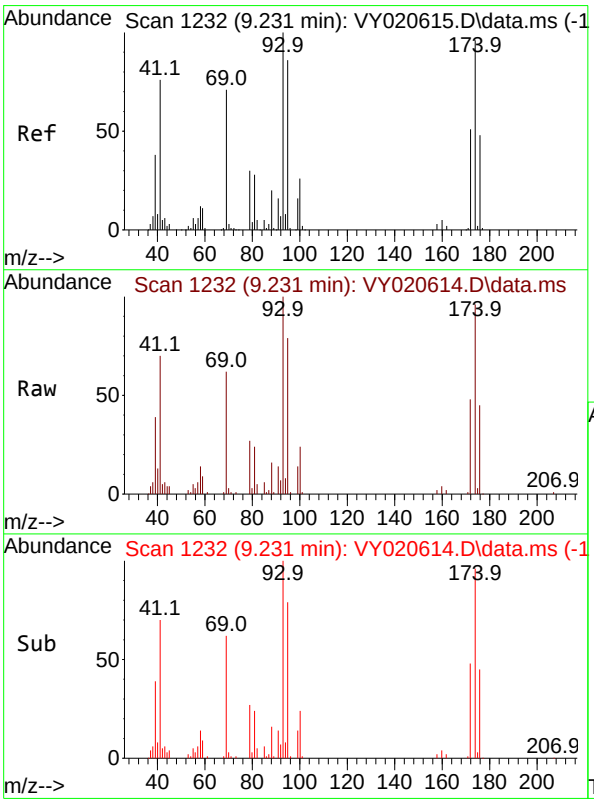
#45
1,2-Dichloropropane
Concen: 20.466 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 49119

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9

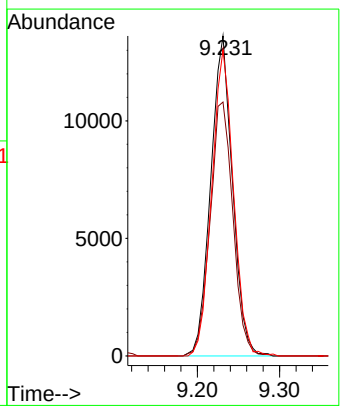


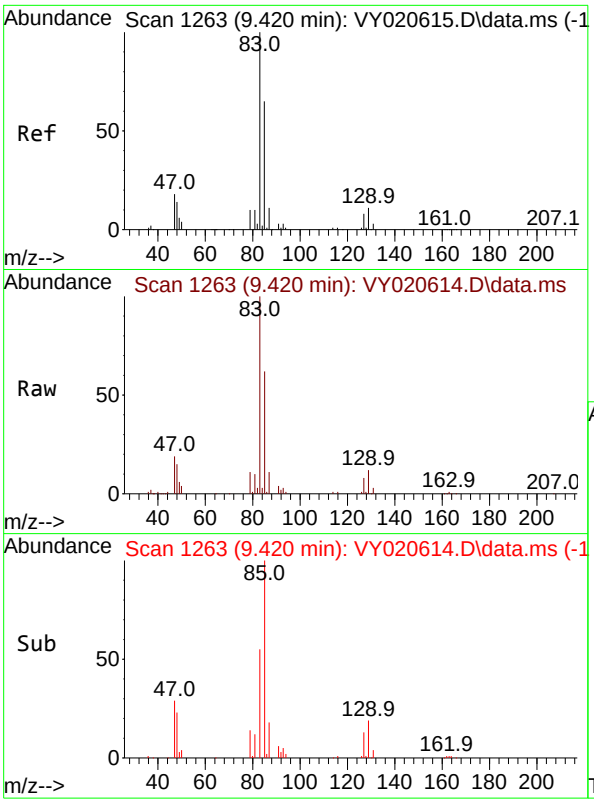


#46
Dibromomethane
Concen: 19.753 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



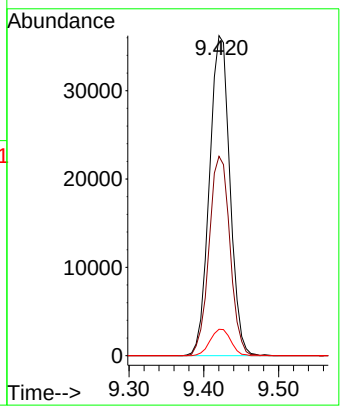


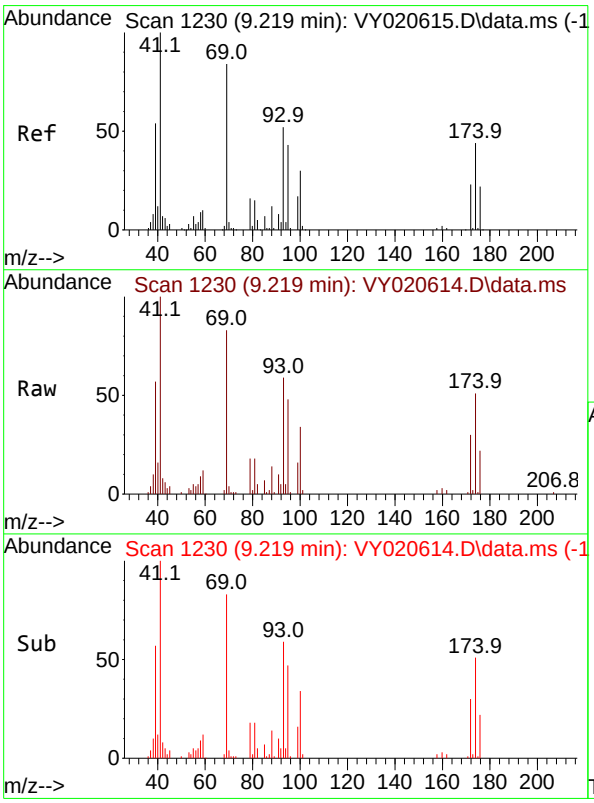
#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

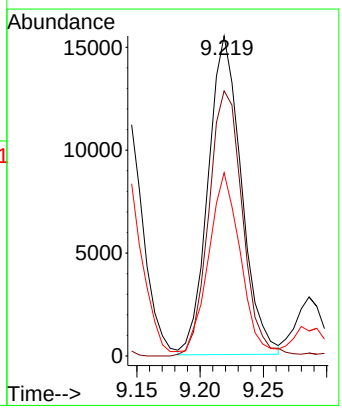


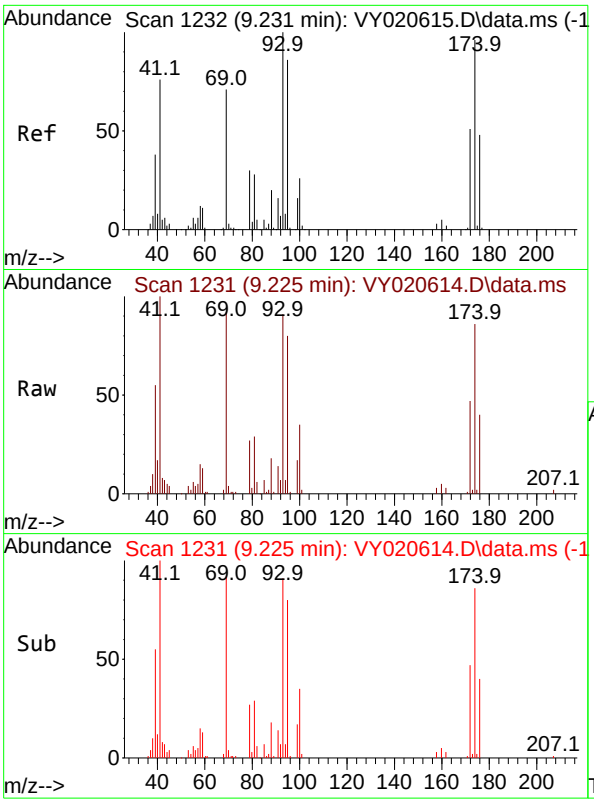


#48
Methyl methacrylate
Concen: 19.051 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



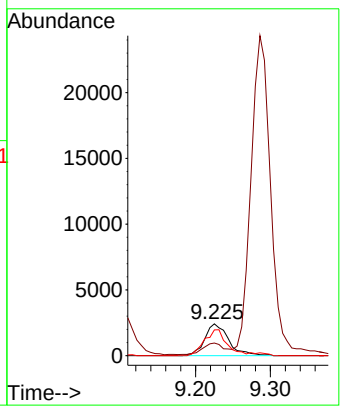


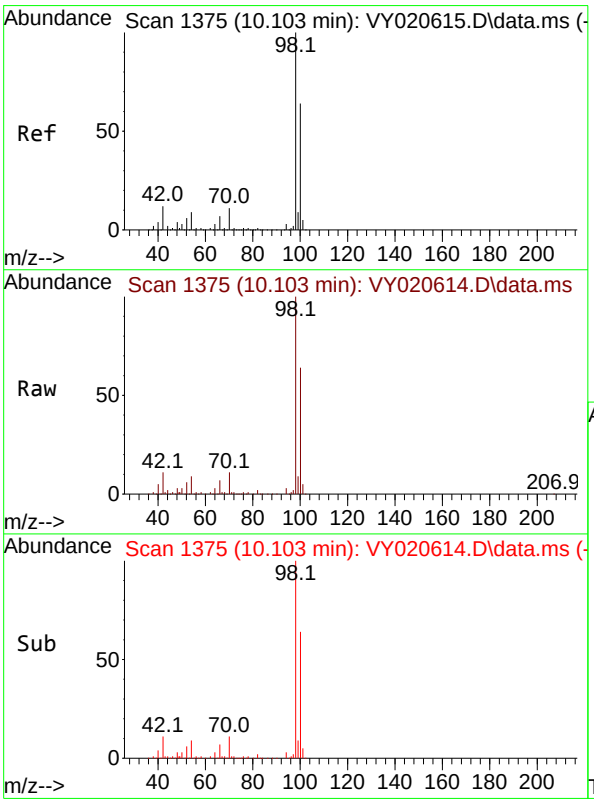
#49
1,4-Dioxane
Concen: 371.167 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

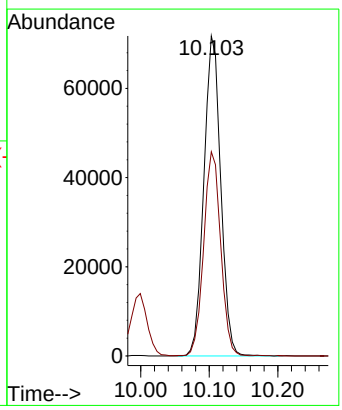


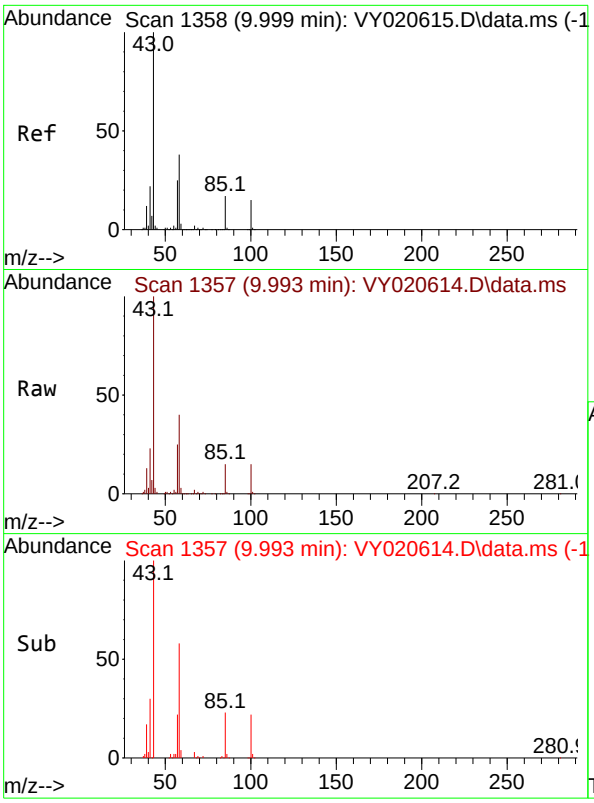


#50
Toluene-d8
Concen: 18.267 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 98 Resp: 122846

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



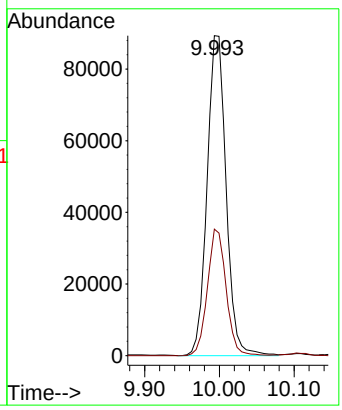


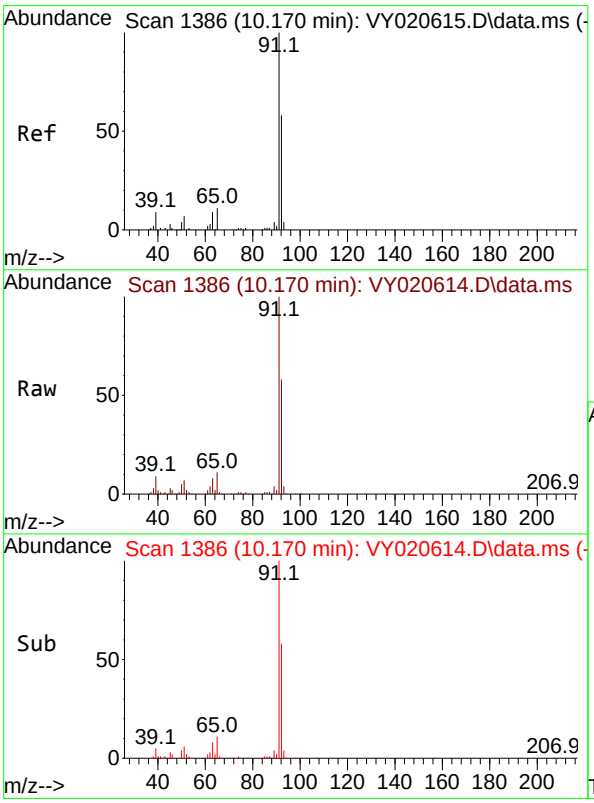
#51
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 157955

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2

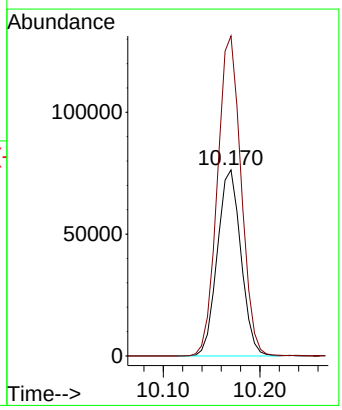


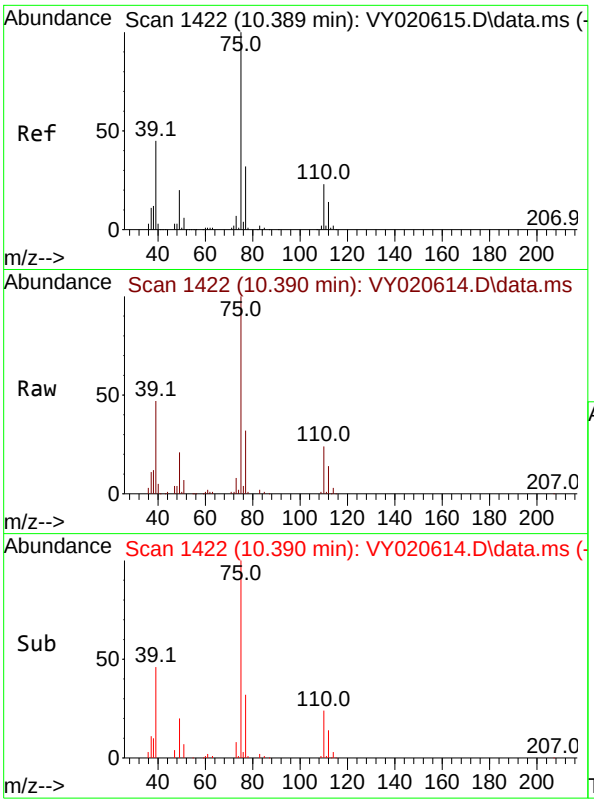


#52
Toluene
Concen: 20.245 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 92 Resp: 129196

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.0



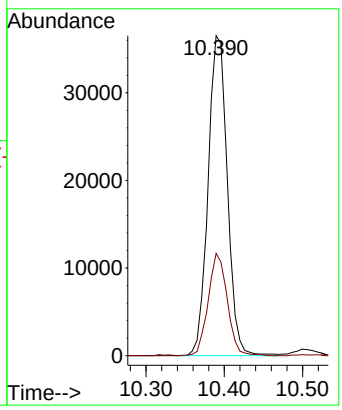


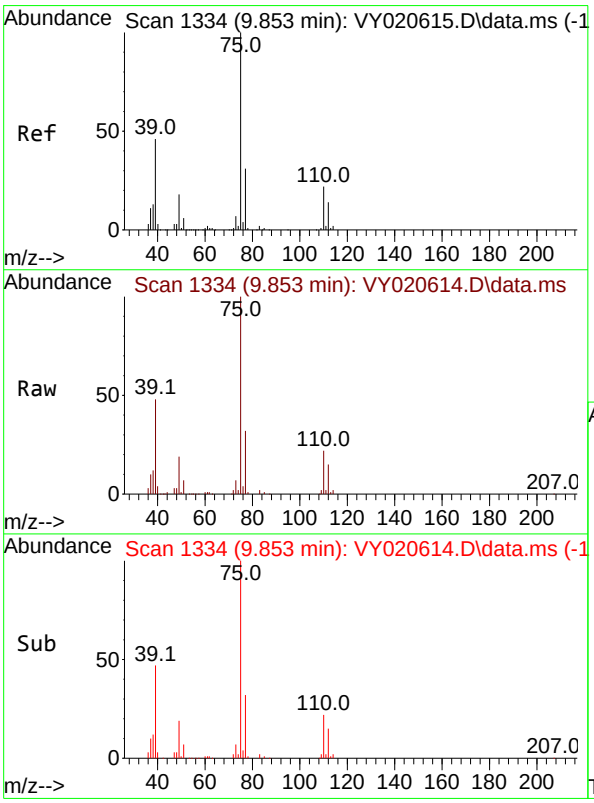
#53
t-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 62391

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

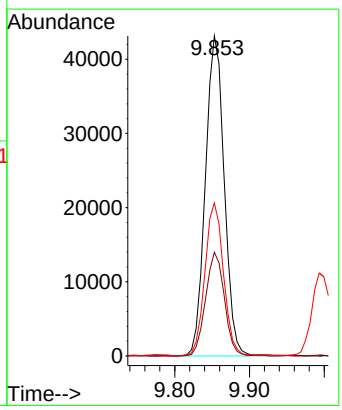


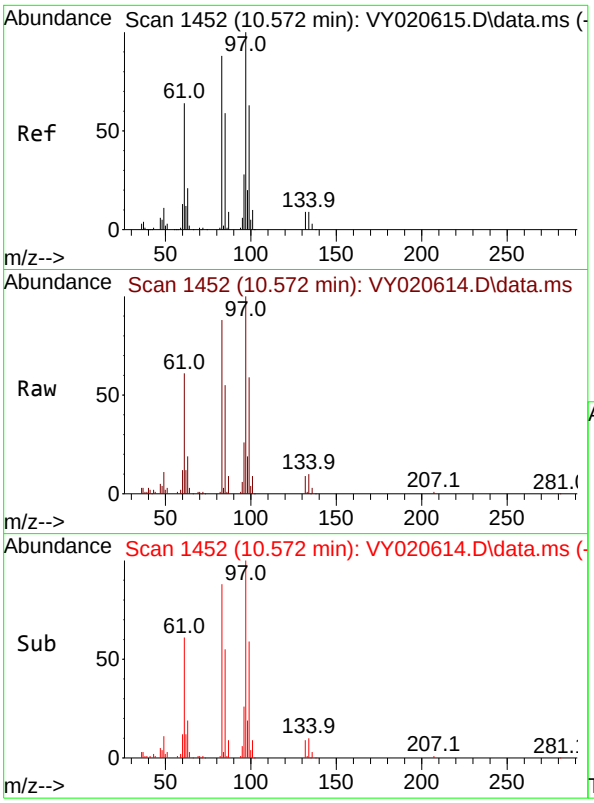


#54
cis-1,3-Dichloropropene
Concen: 19.996 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



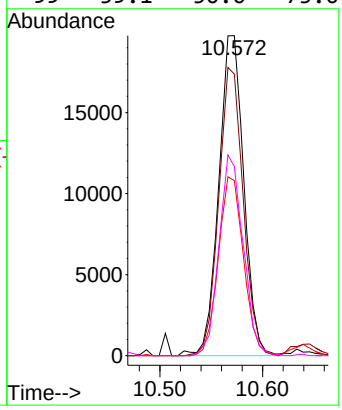


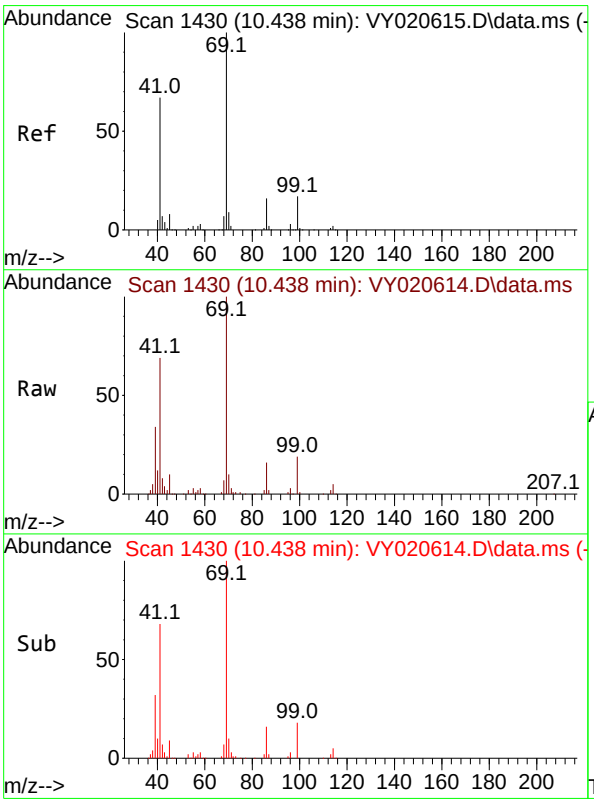
#55
1,1,2-Trichloroethane
Concen: 19.875 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

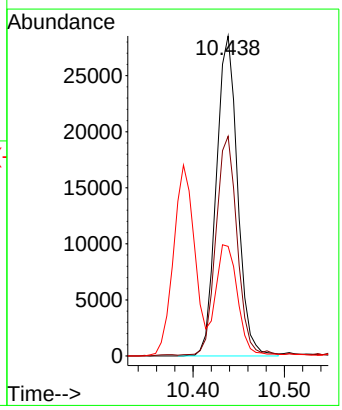


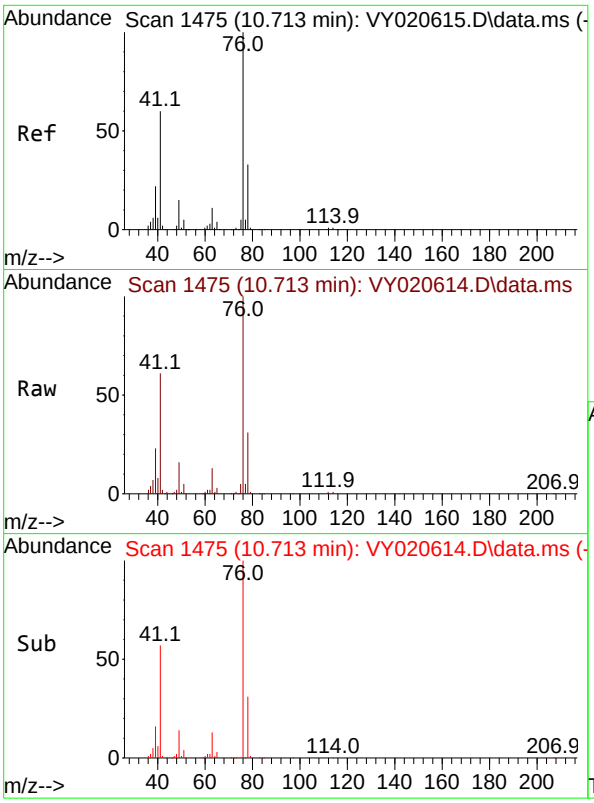


#56
Ethyl methacrylate
Concen: 18.930 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



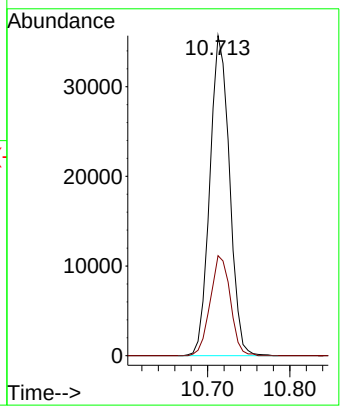


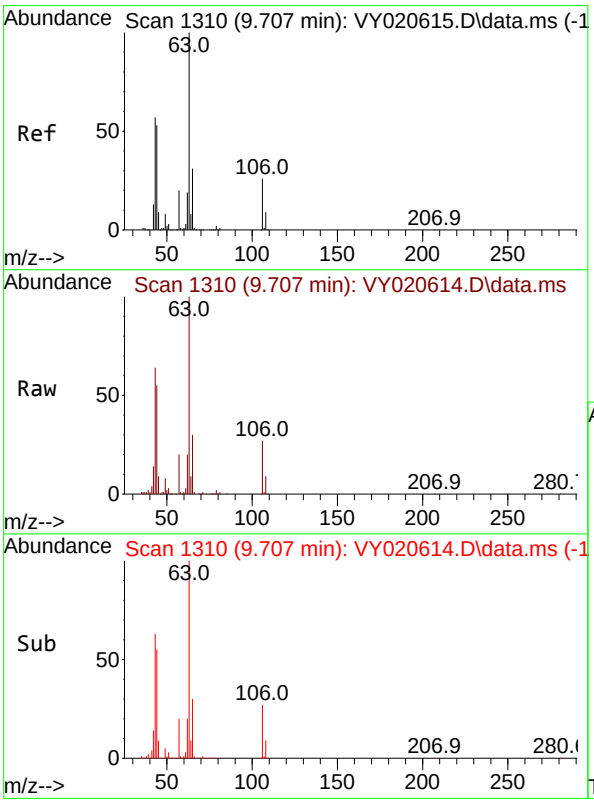
#57
1,3-Dichloropropane
Concen: 19.828 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 59274

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

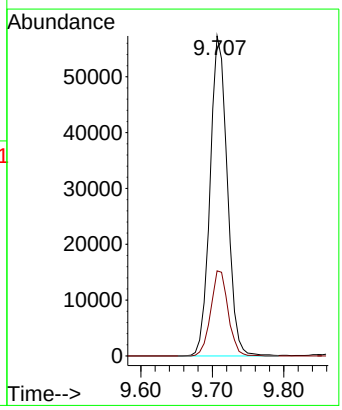


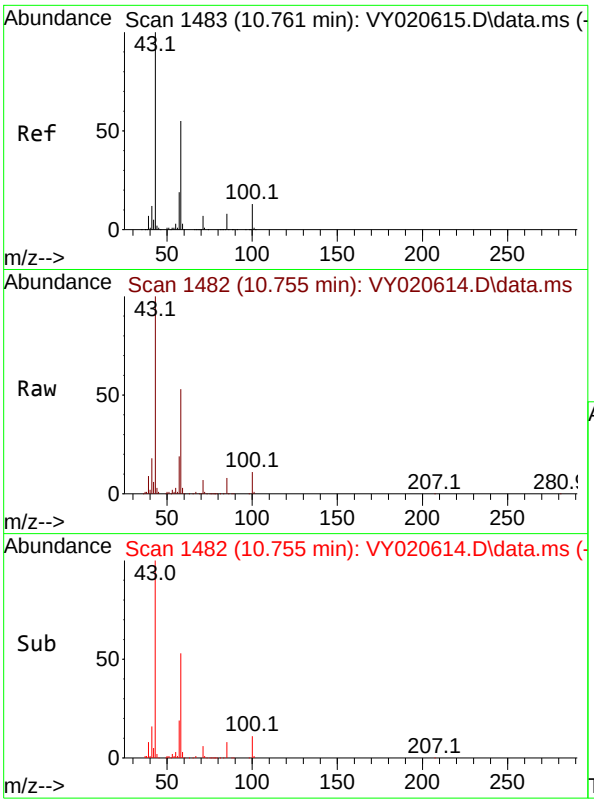


#58
2-Chloroethyl Vinyl ether
Concen: 93.804 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 96023

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



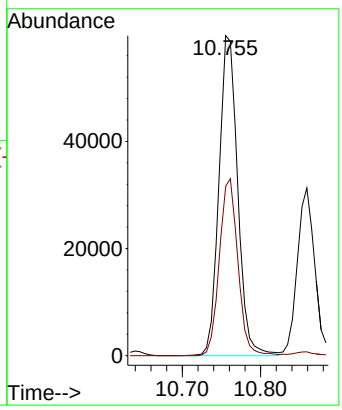


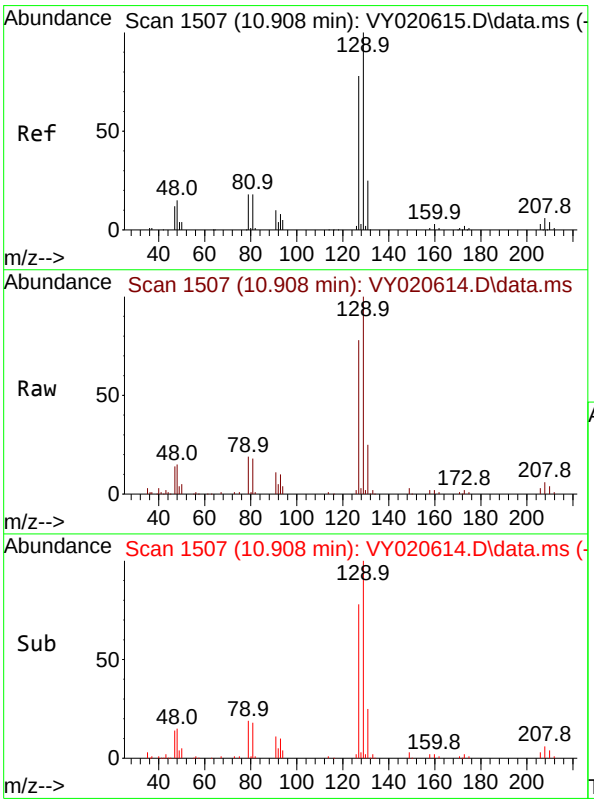
#59
2-Hexanone
Concen: 94.224 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 99623

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6

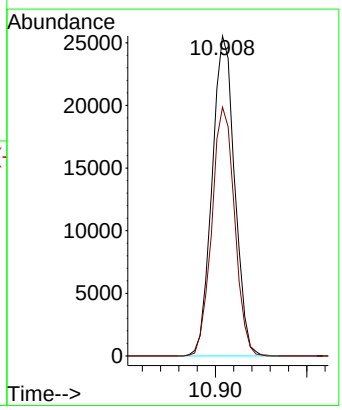


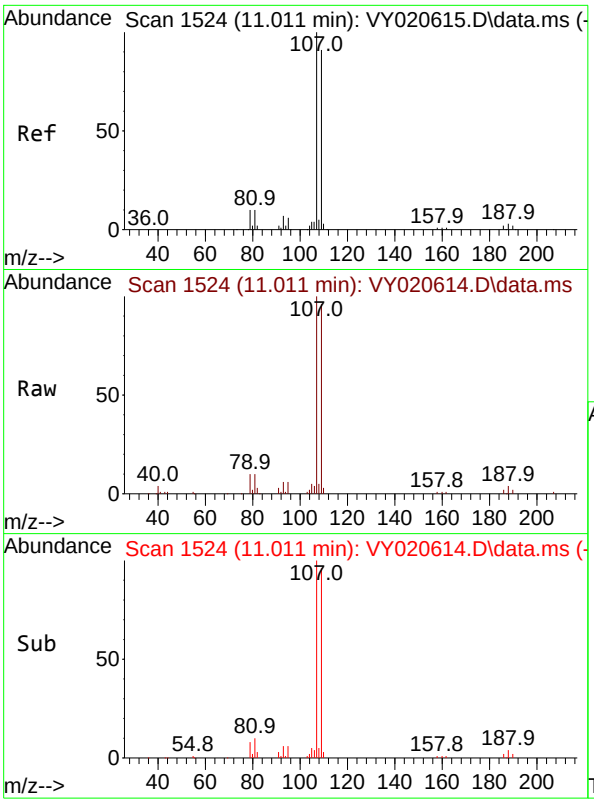


#60
Dibromochloromethane
Concen: 19.541 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:129 Resp: 43825

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3



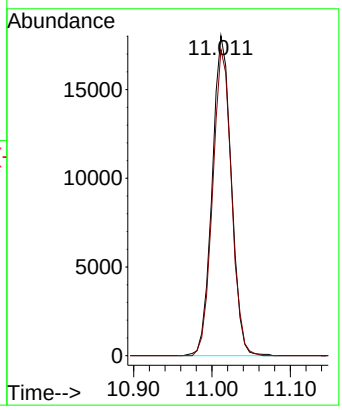


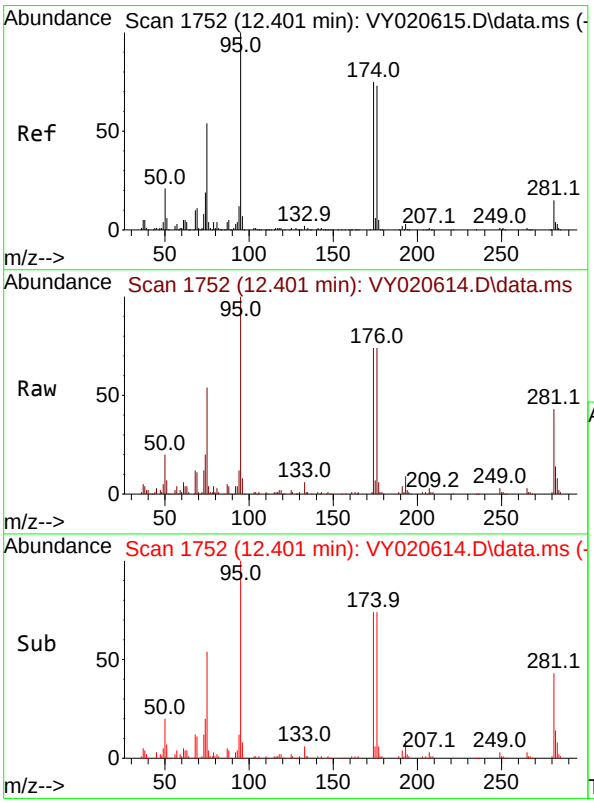
#61
1,2-Dibromoethane
Concen: 19.630 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 30621

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

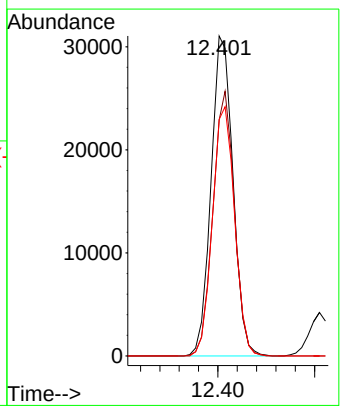


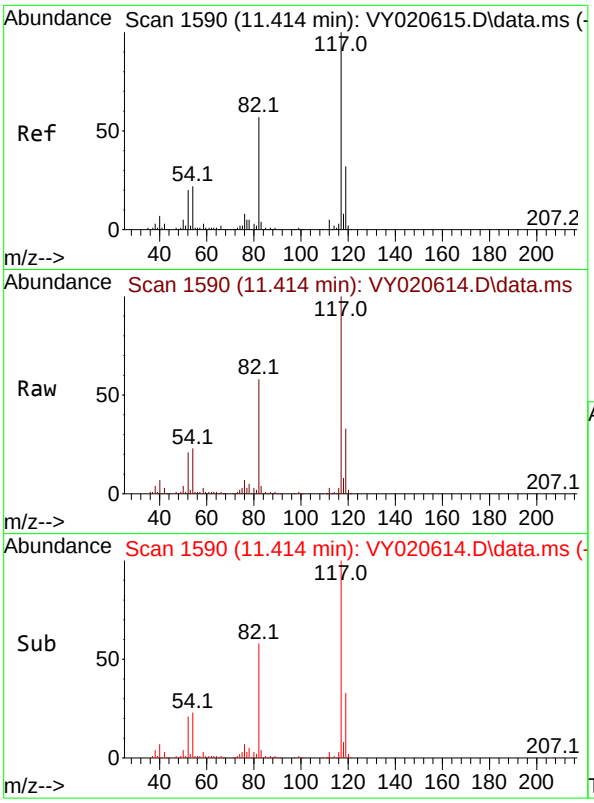


#62
4-Bromofluorobenzene
Concen: 18.552 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



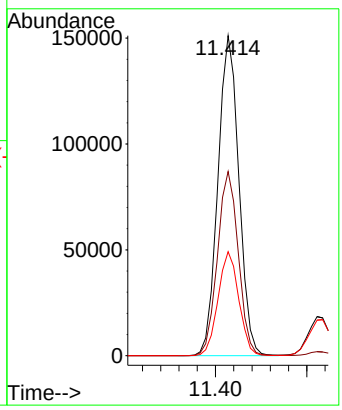


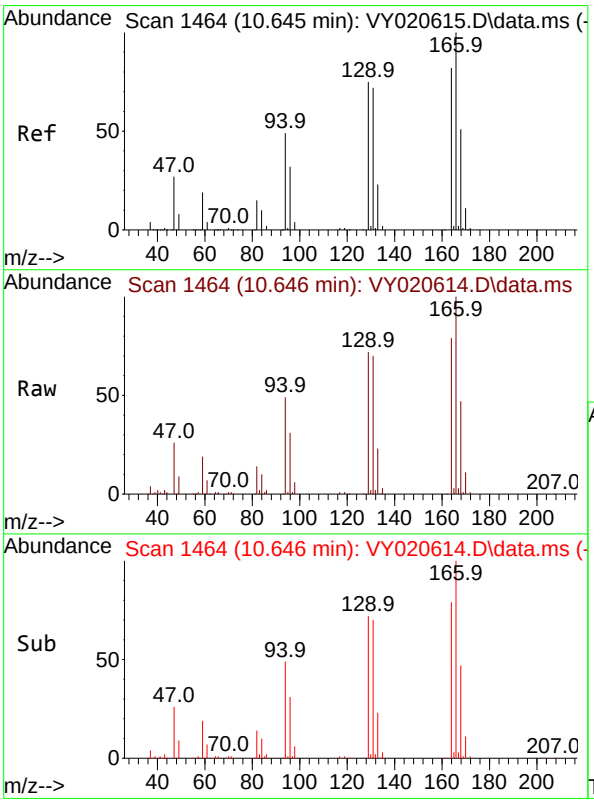
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

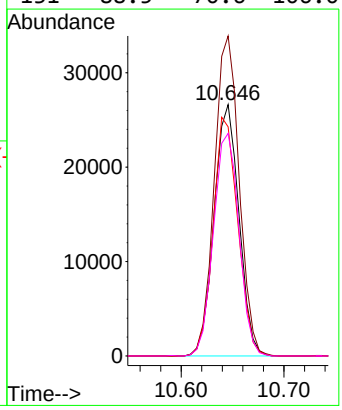


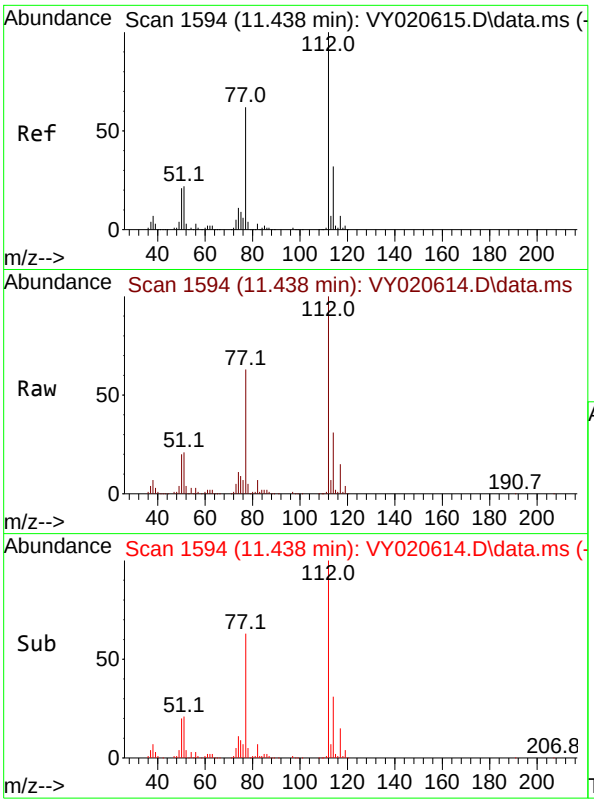


#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



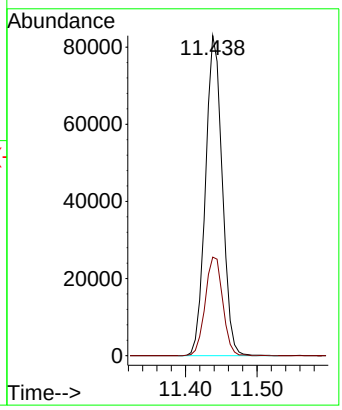


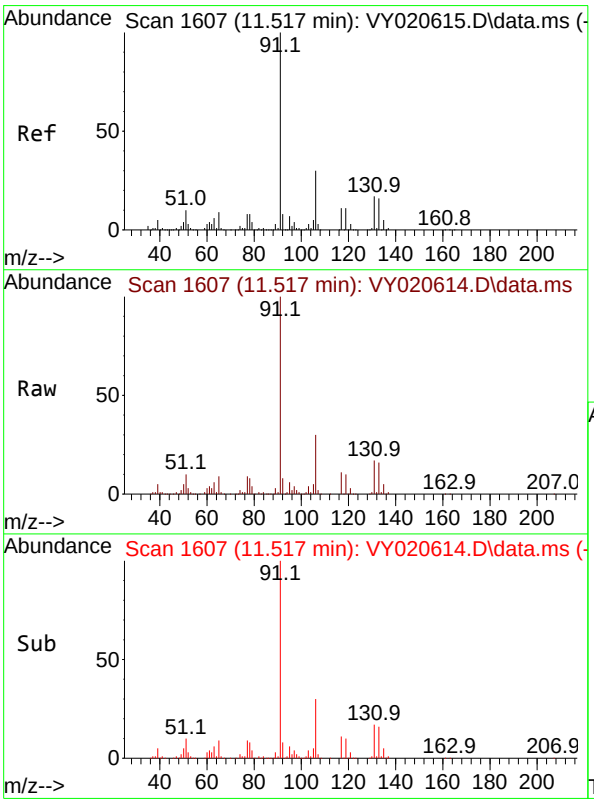
#65
Chlorobenzene
Concen: 19.987 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 134807

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

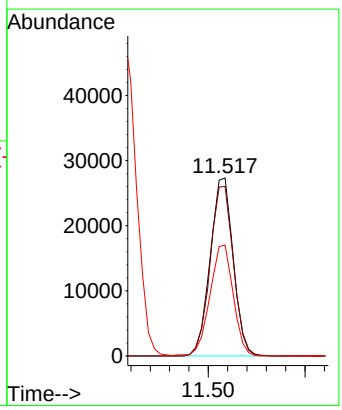


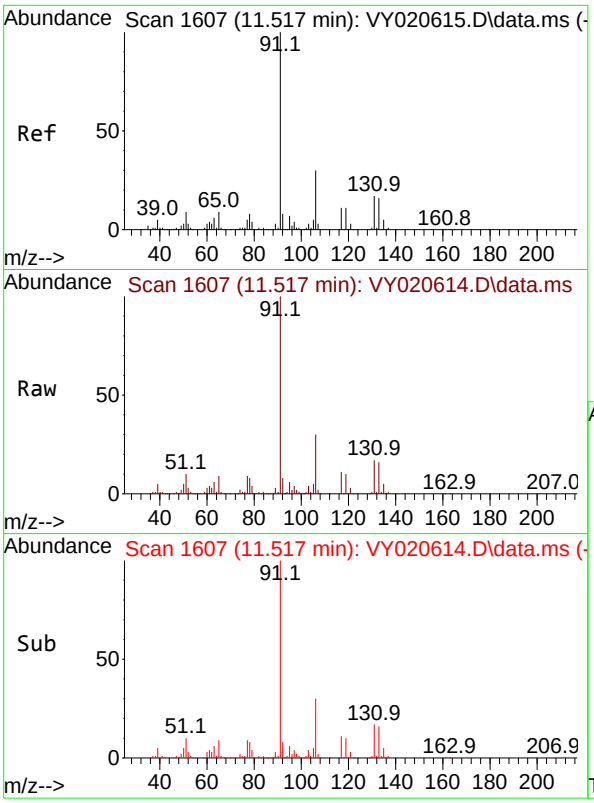


#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



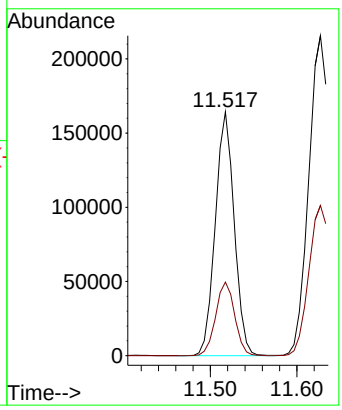


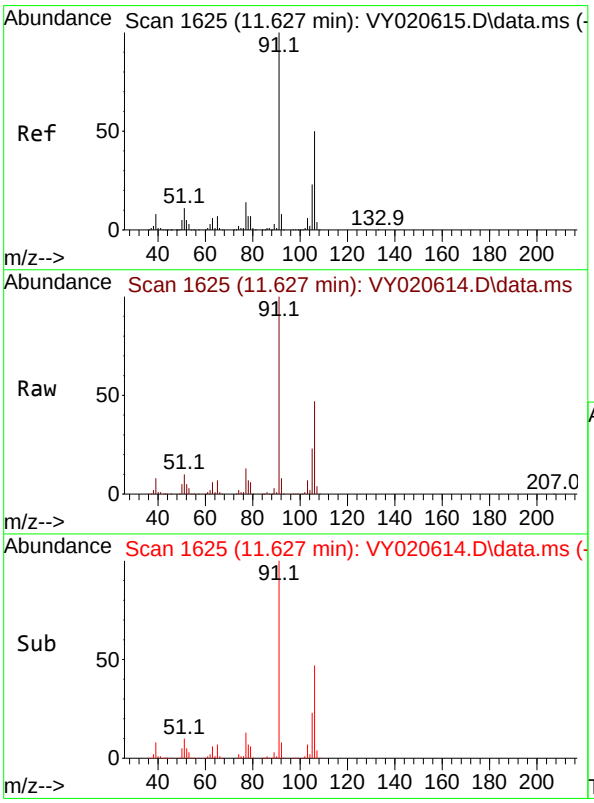
#67
Ethyl Benzene
Concen: 20.027 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 249208

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

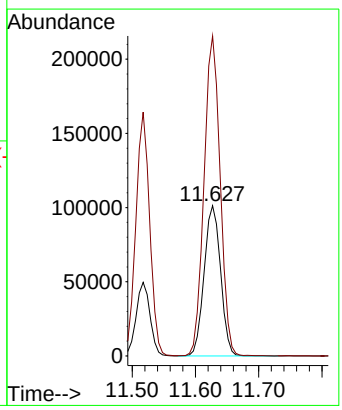


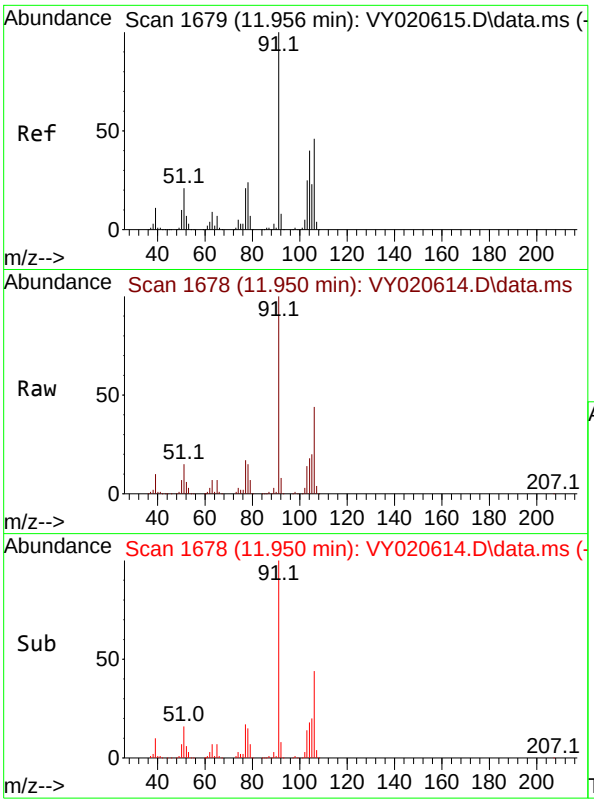


#68
m/p-Xylenes
Concen: 39.659 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:106 Resp: 183488

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.0	247.4



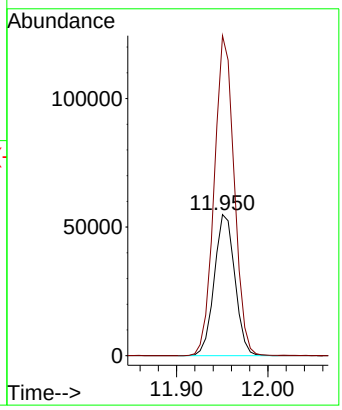


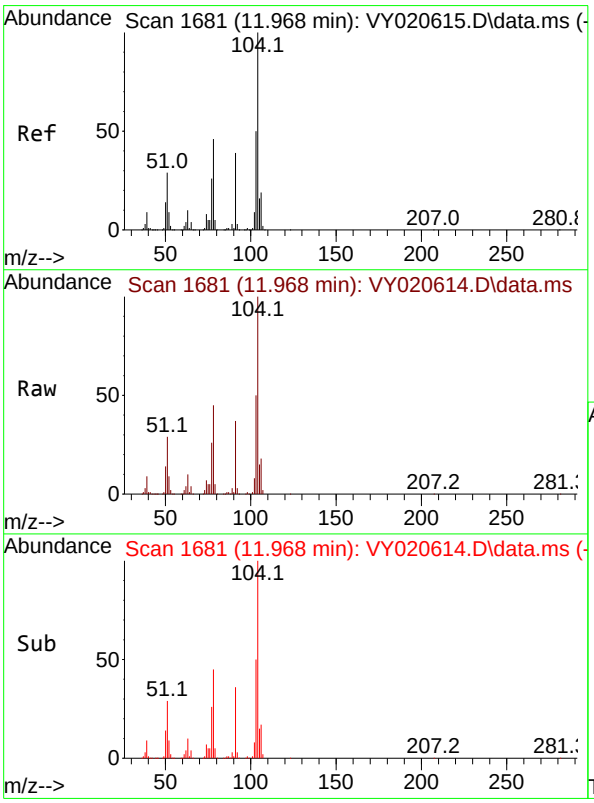
#69
o-Xylene
Concen: 19.932 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 86043

Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.4	325.2

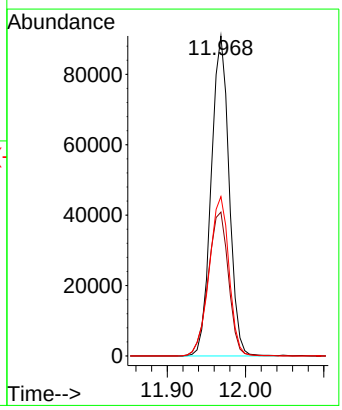


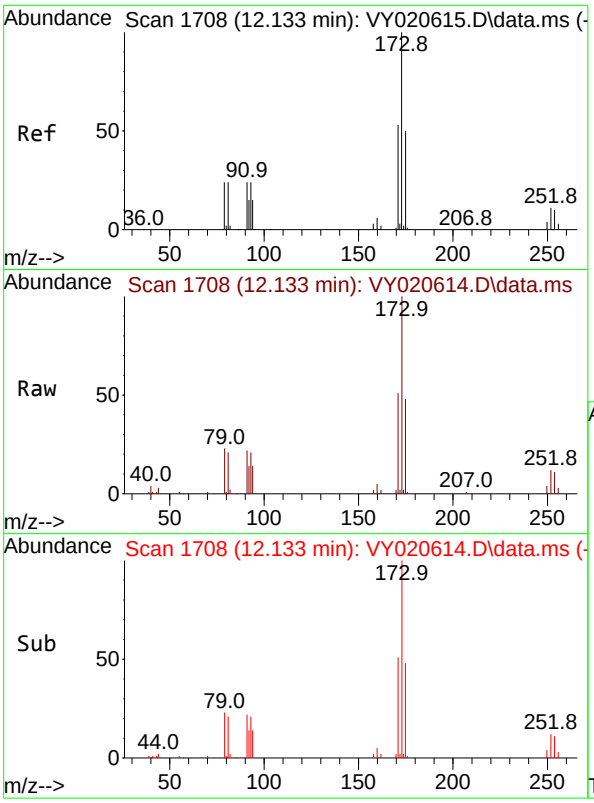


#70
Styrene
Concen: 20.012 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



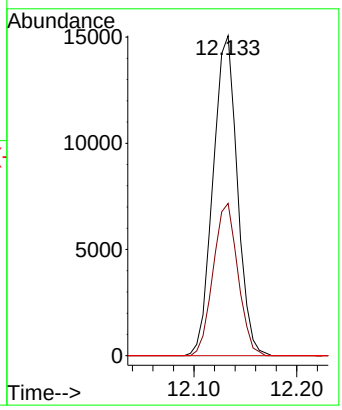


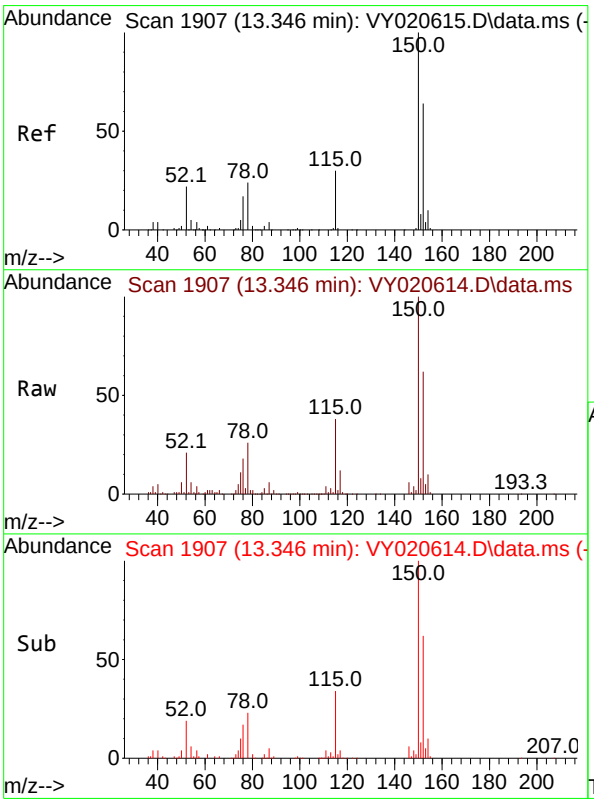
#71
Bromoform
Concen: 19.062 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

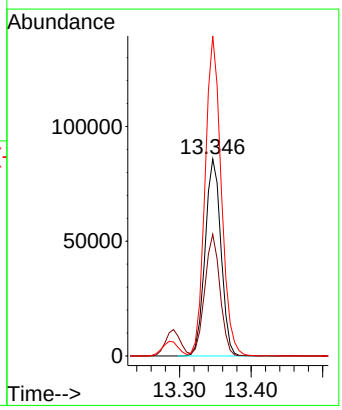


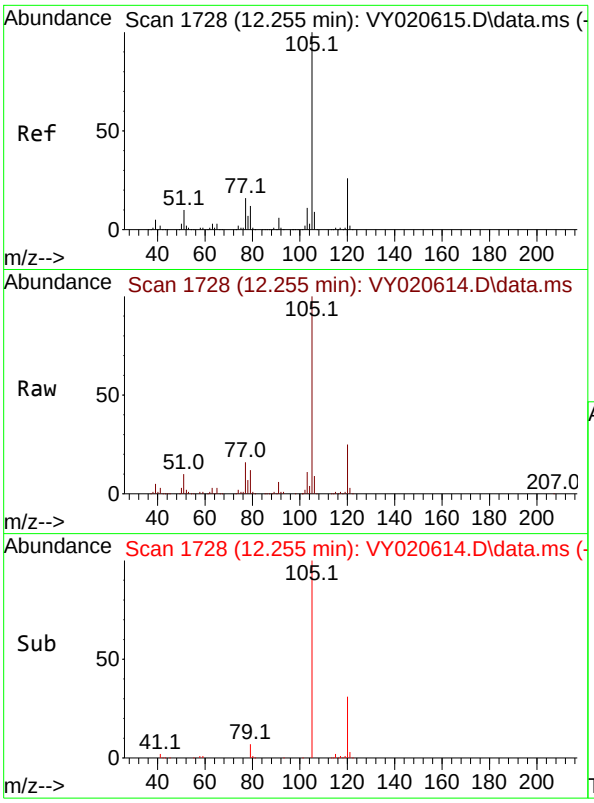


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



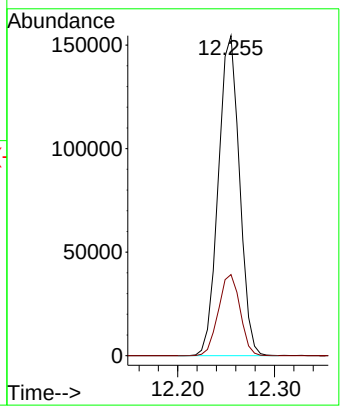


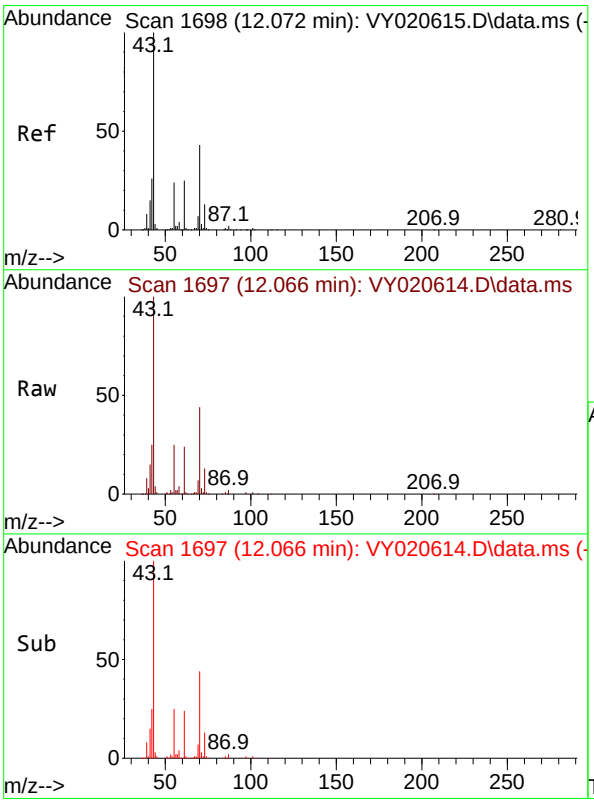
#73
Isopropylbenzene
Concen: 20.404 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 234727

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

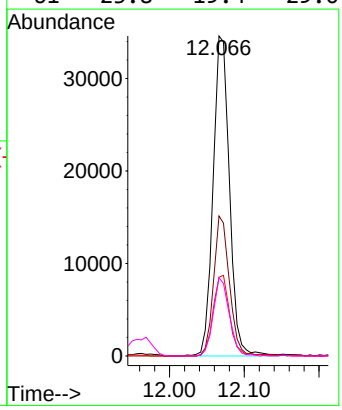


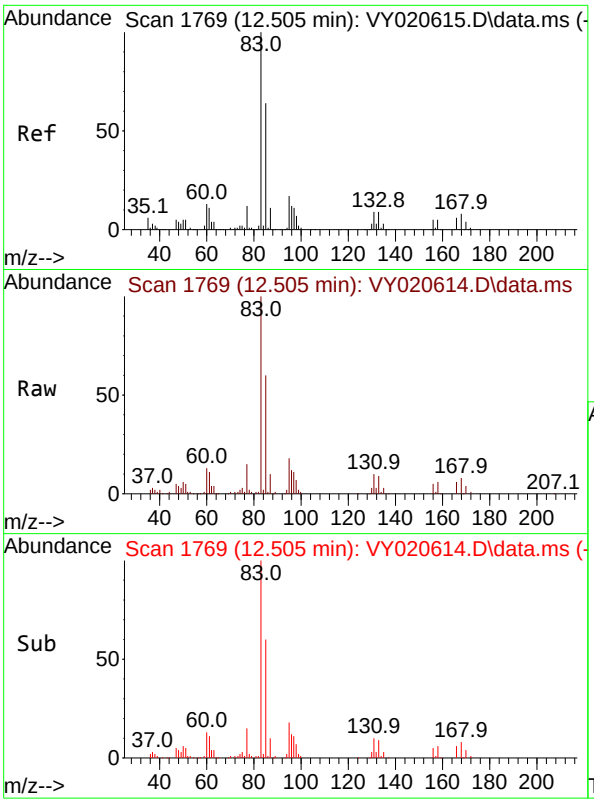


#74
N-amyl acetate
Concen: 19.574 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



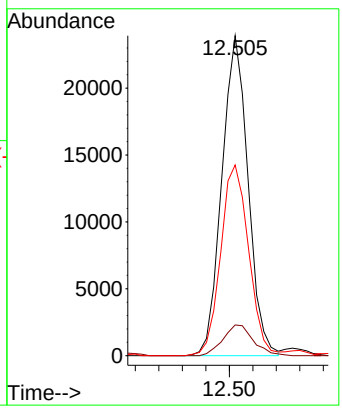


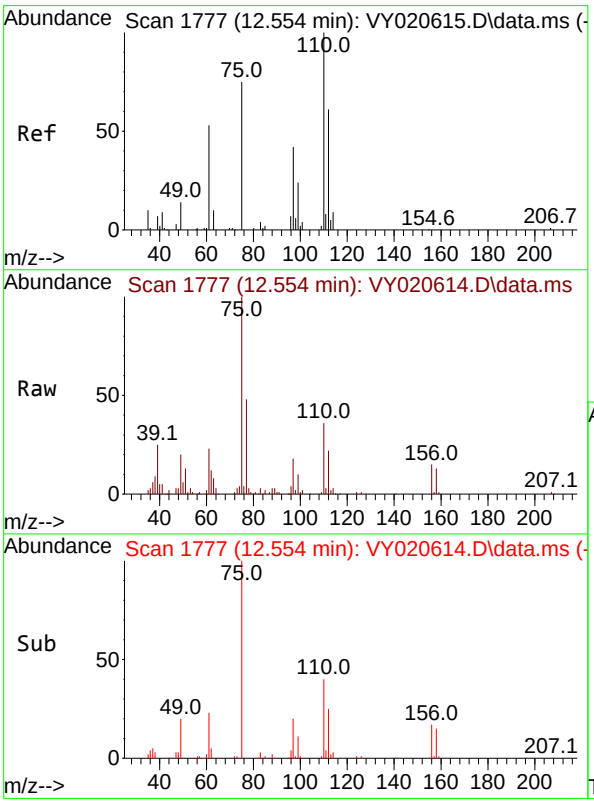
#75
1,1,2,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

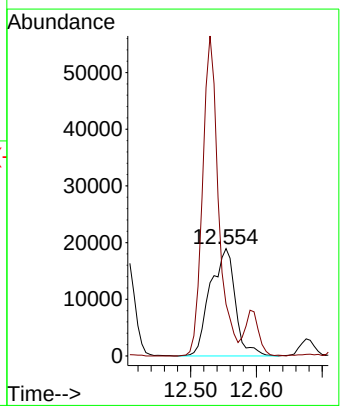


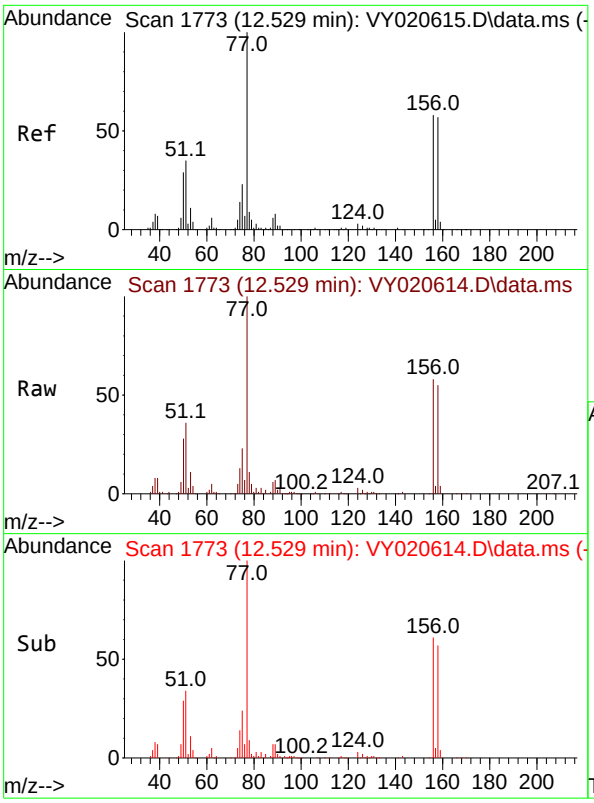


#76
1,2,3-Trichloropropane
Concen: 37.046 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 50299

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



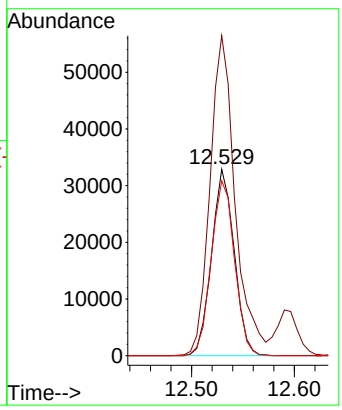


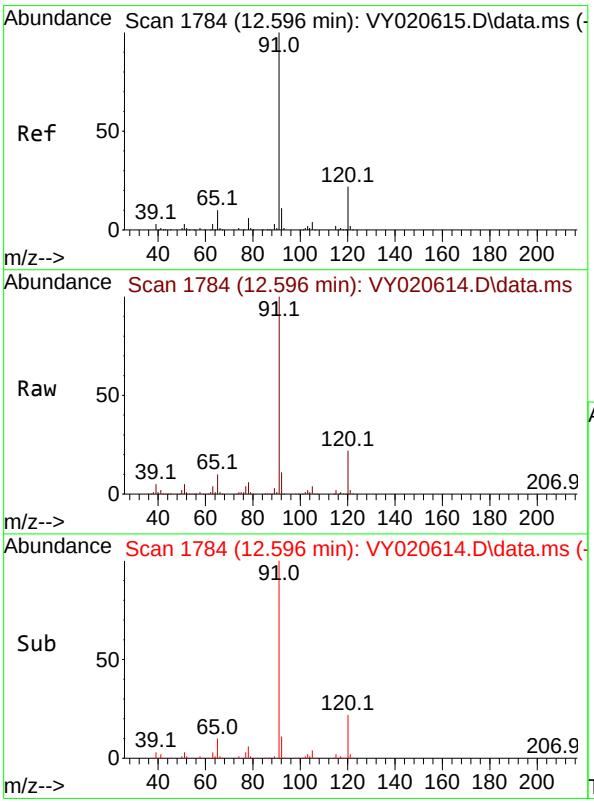
#77
Bromobenzene
Concen: 20.063 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

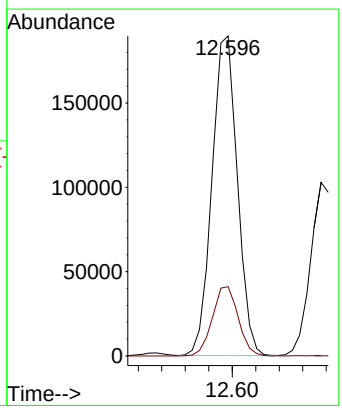


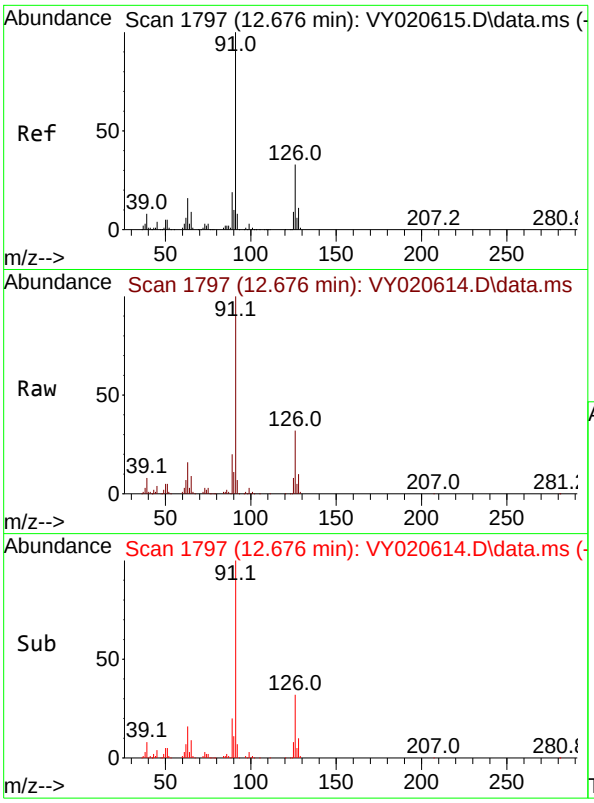


#78
n-propylbenzene
Concen: 20.534 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 284604

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



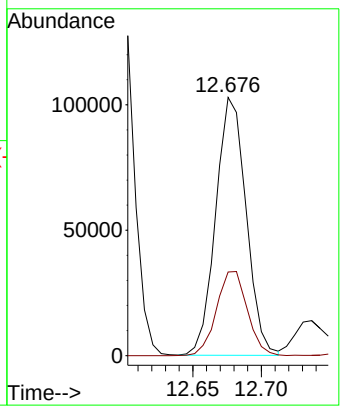


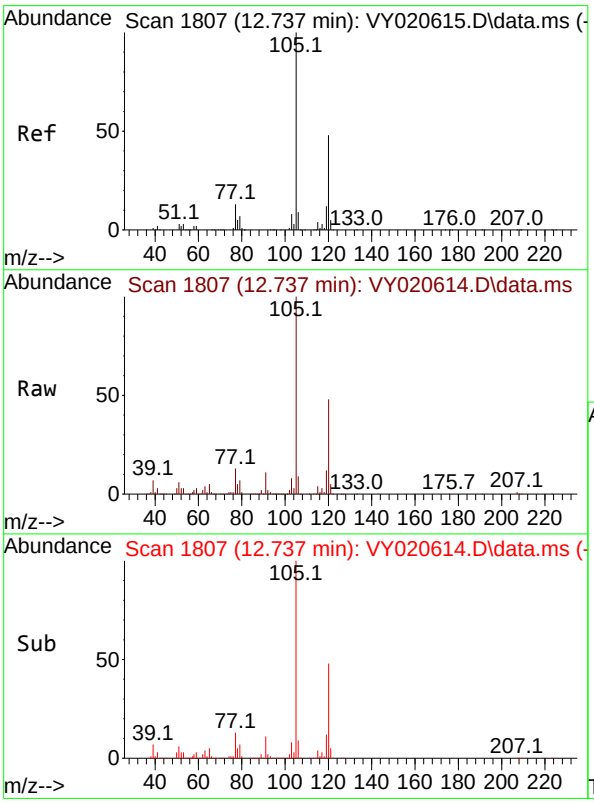
#79
2-Chlorotoluene
Concen: 20.369 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 158834

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

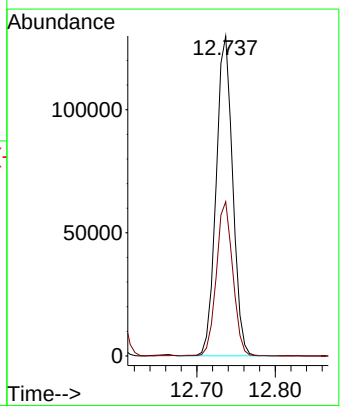


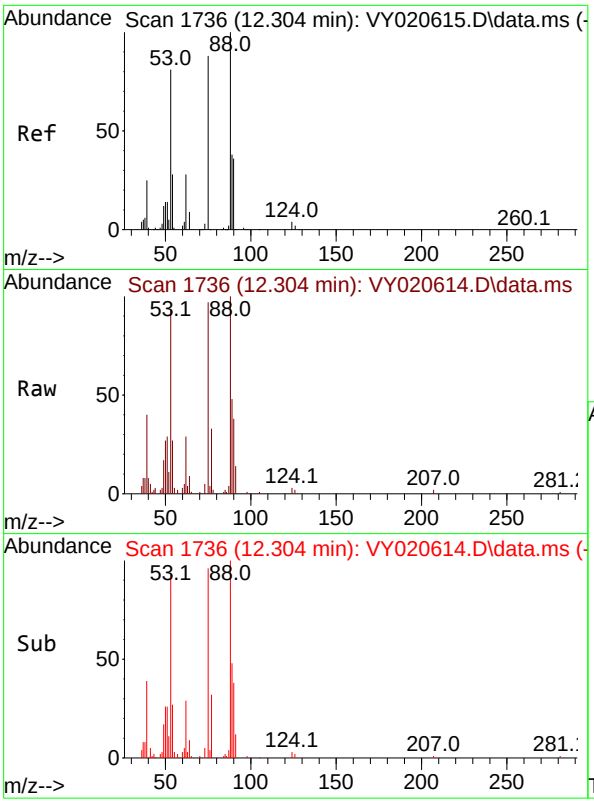


#80
1,3,5-Trimethylbenzene
Concen: 20.458 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 190968

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



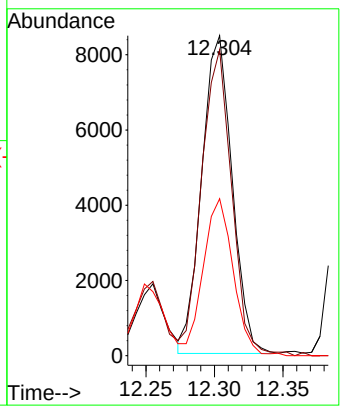


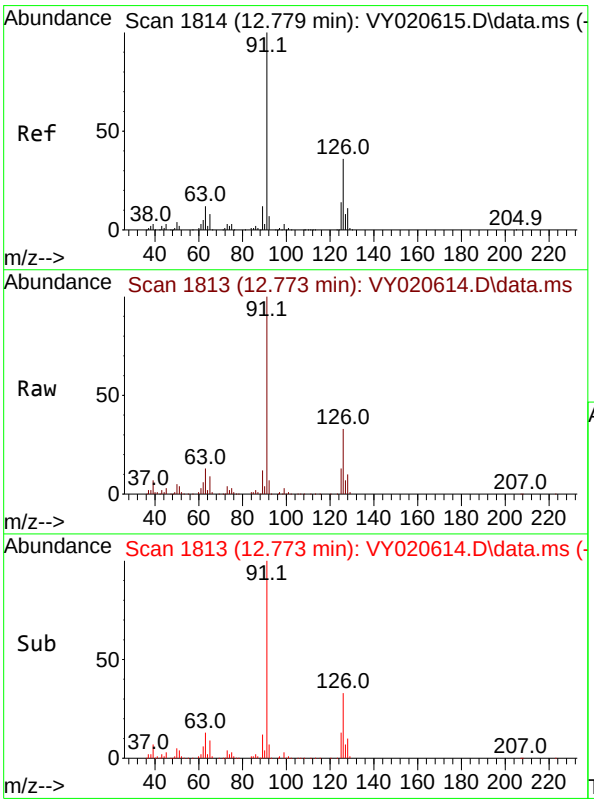
#81
trans-1,4-Dichloro-2-butene
Concen: 19.986 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

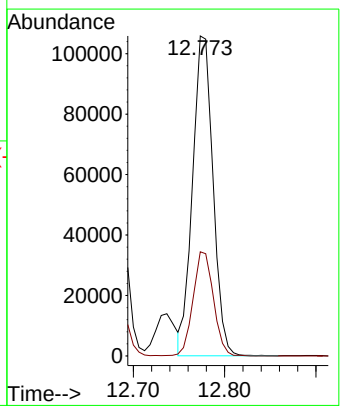


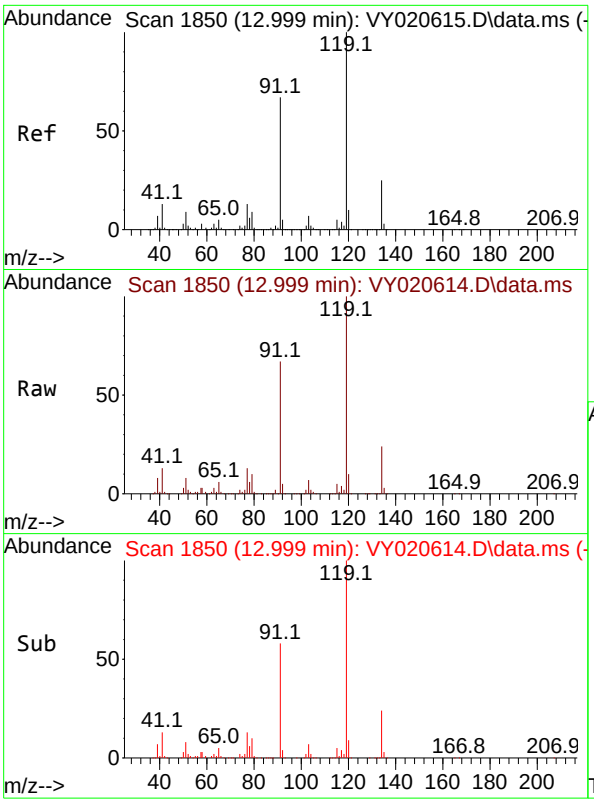


#82
4-Chlorotoluene
Concen: 20.358 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 164692

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



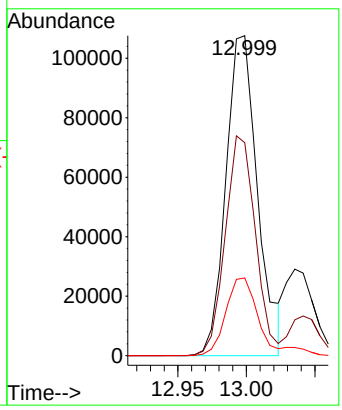


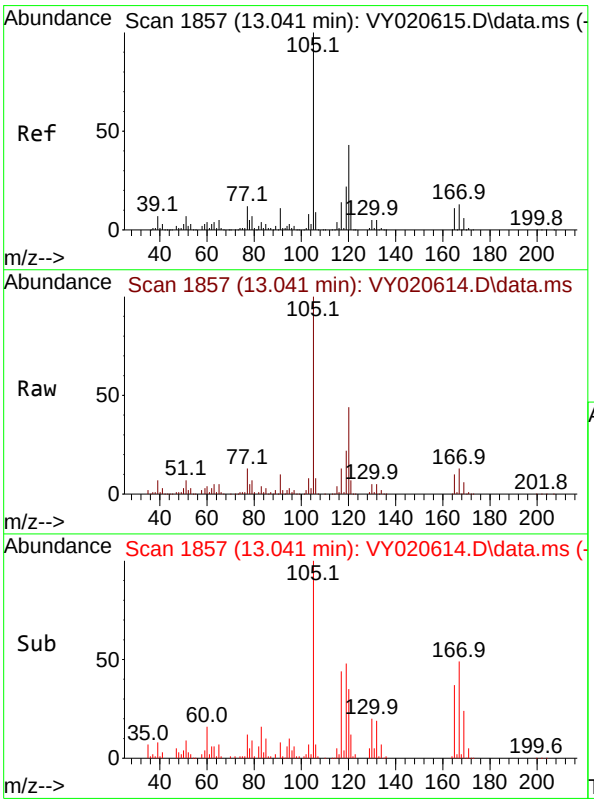
#83
tert-Butylbenzene
Concen: 20.507 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

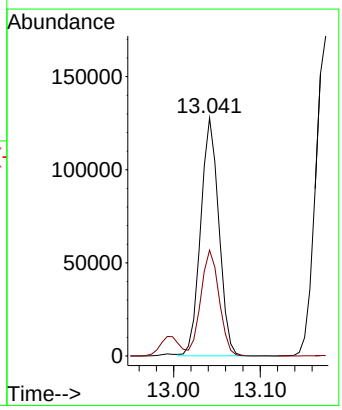


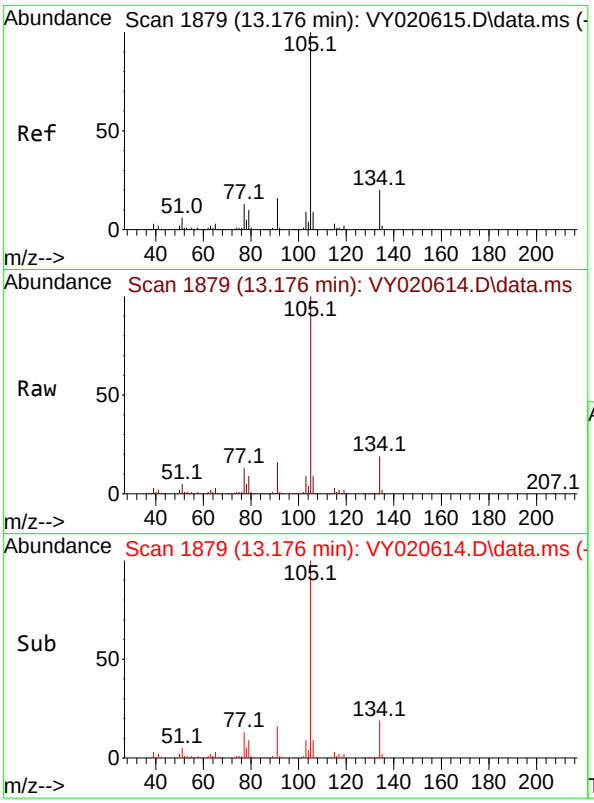


#84
1,2,4-Trimethylbenzene
Concen: 20.352 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 186344

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4



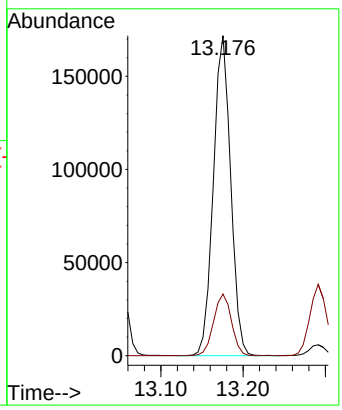


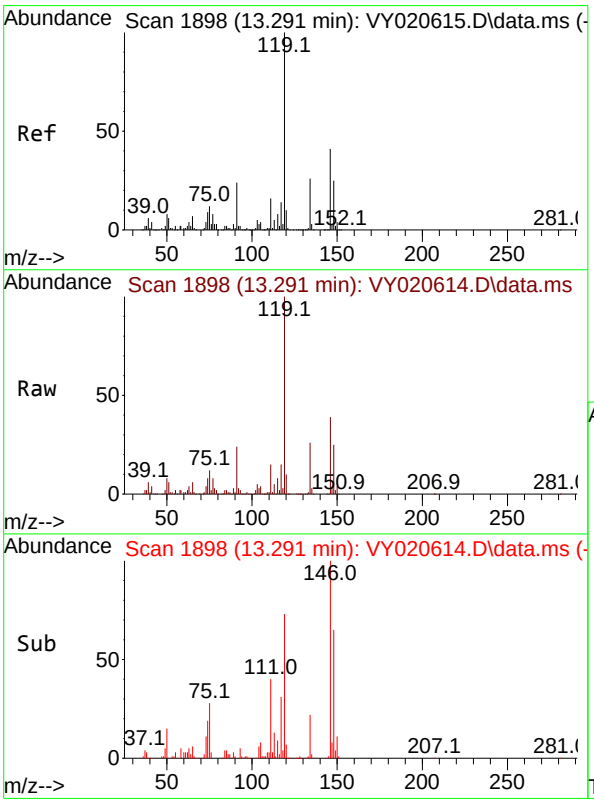
#85
sec-Butylbenzene
Concen: 20.492 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 251880

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

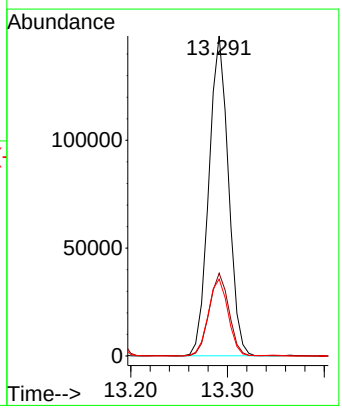


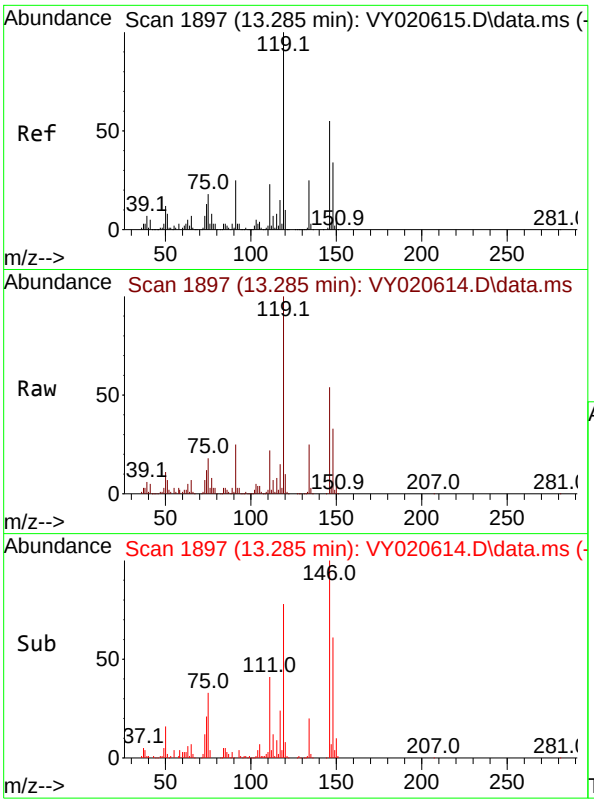


#86
p-Isopropyltoluene
Concen: 20.558 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



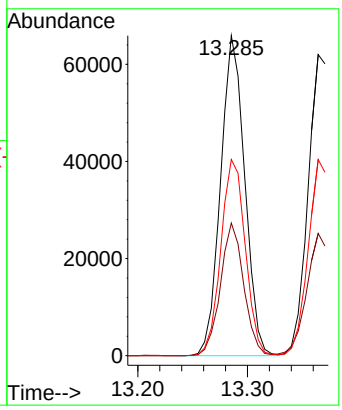


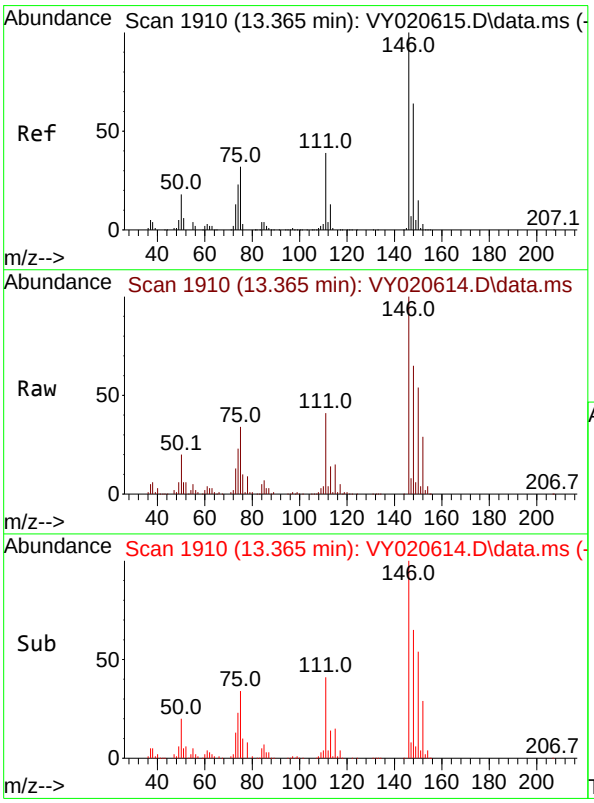
#87
1,3-Dichlorobenzene
Concen: 20.380 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

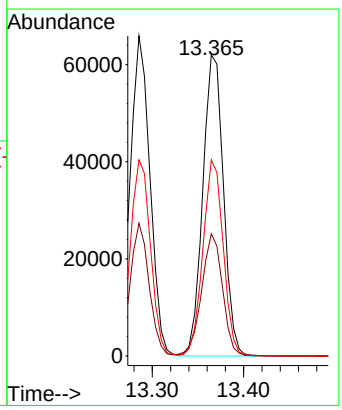


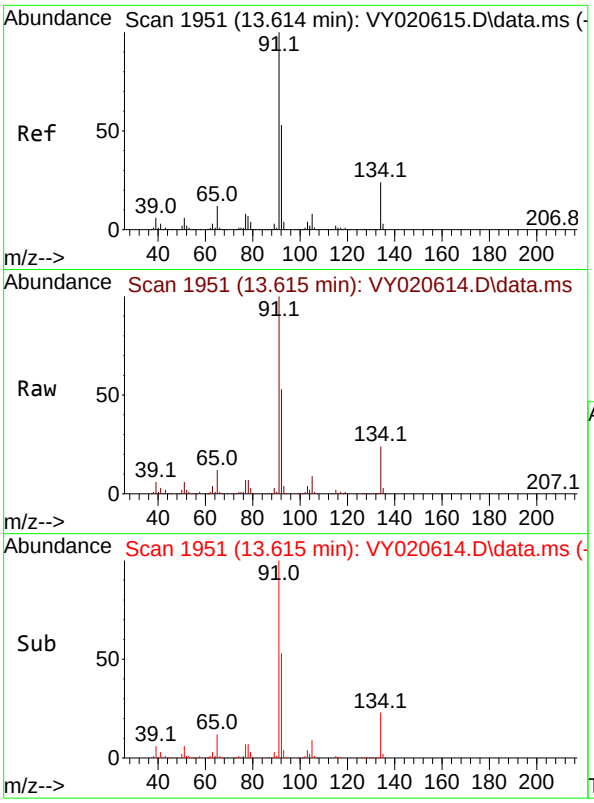


#88
1,4-Dichlorobenzene
Concen: 19.935 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



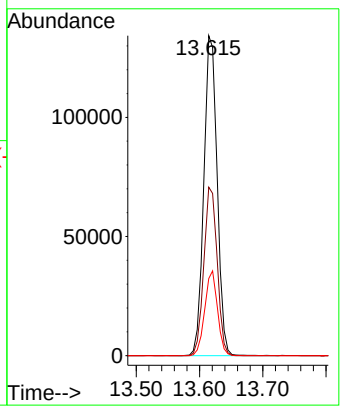


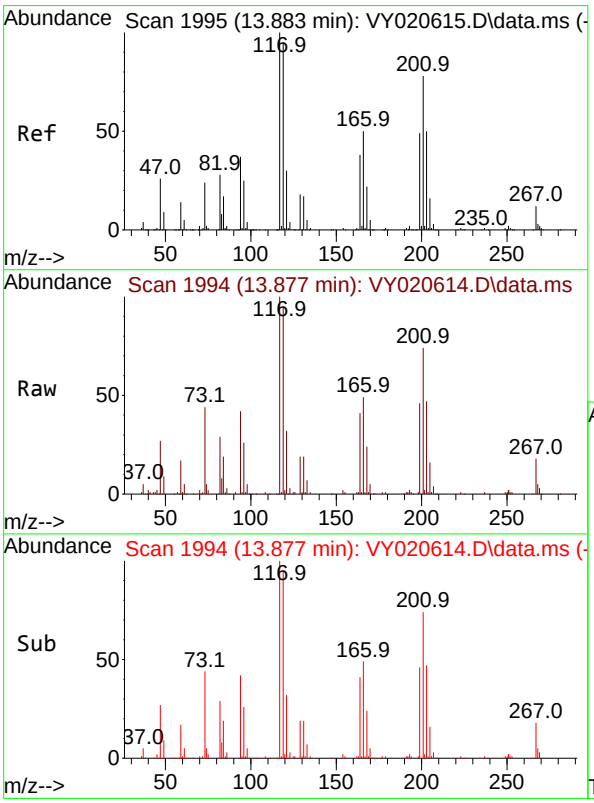
#89
n-Butylbenzene
Concen: 20.511 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

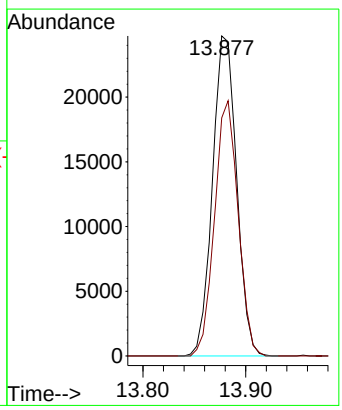


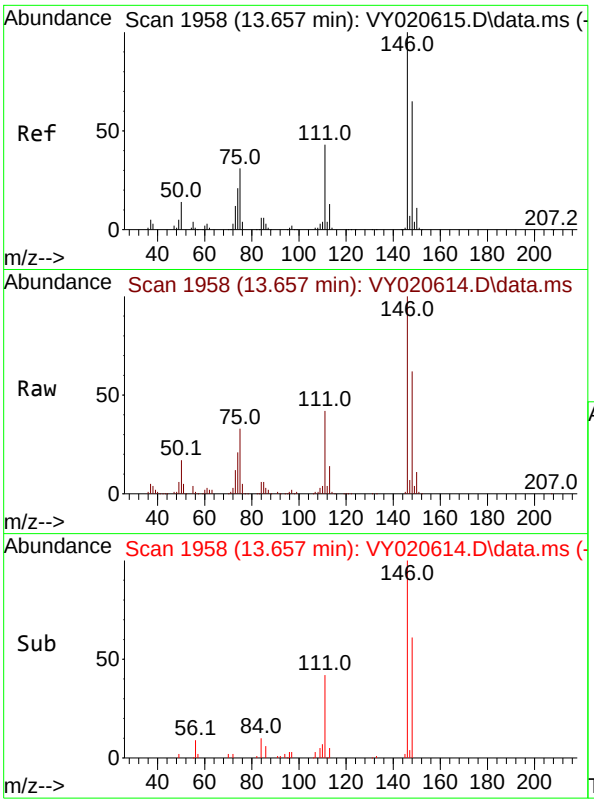


#90
Hexachloroethane
Concen: 20.057 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 40281

Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.1	117.3



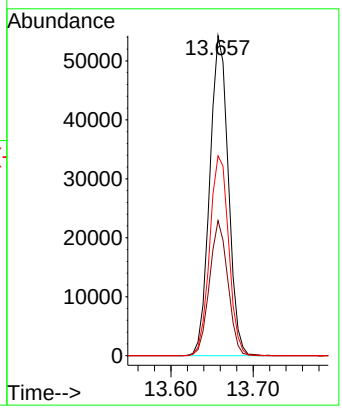


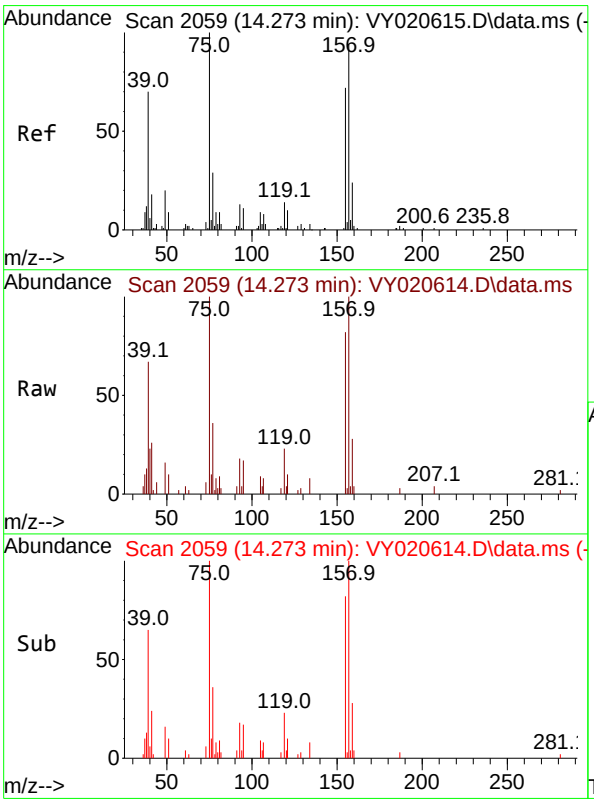
#91
1,2-Dichlorobenzene
Concen: 19.862 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

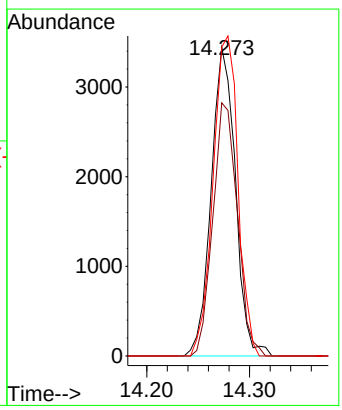


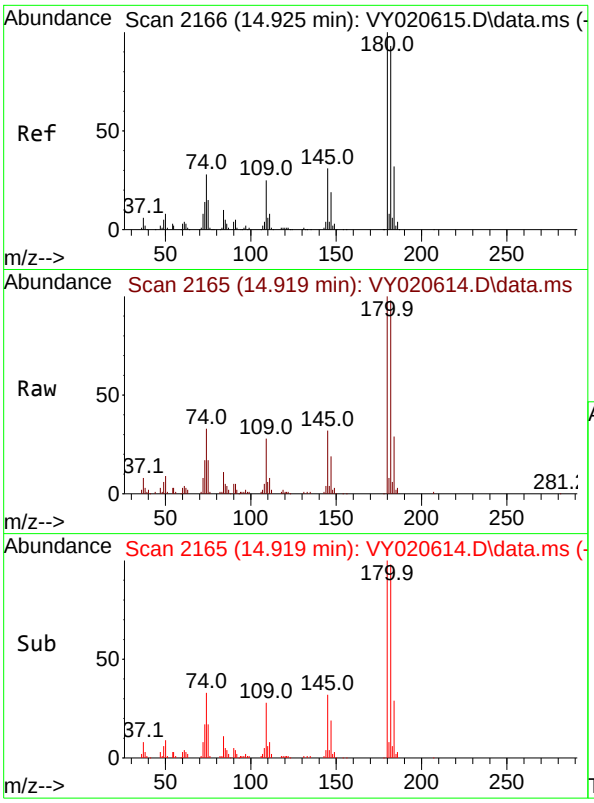


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.561 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



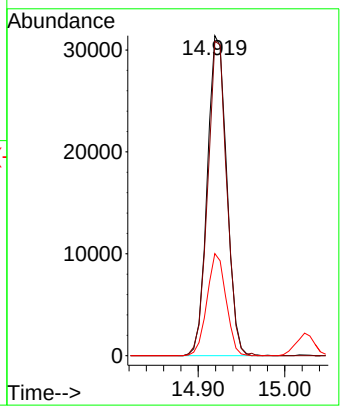


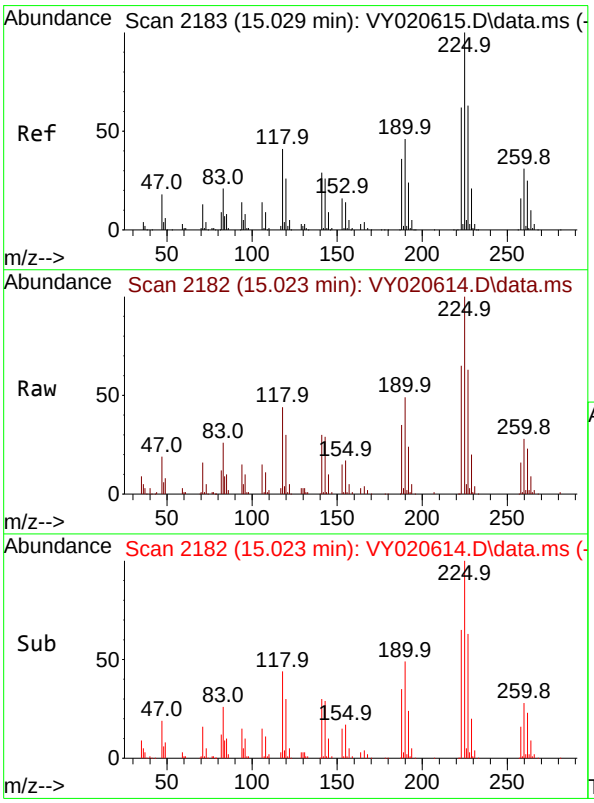
#93
1,2,4-Trichlorobenzene
Concen: 18.850 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

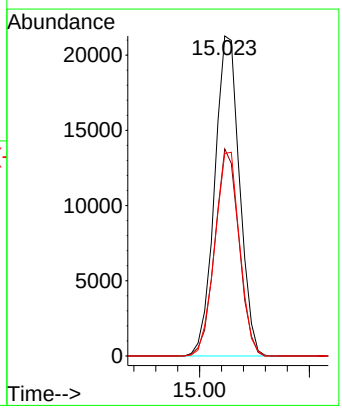


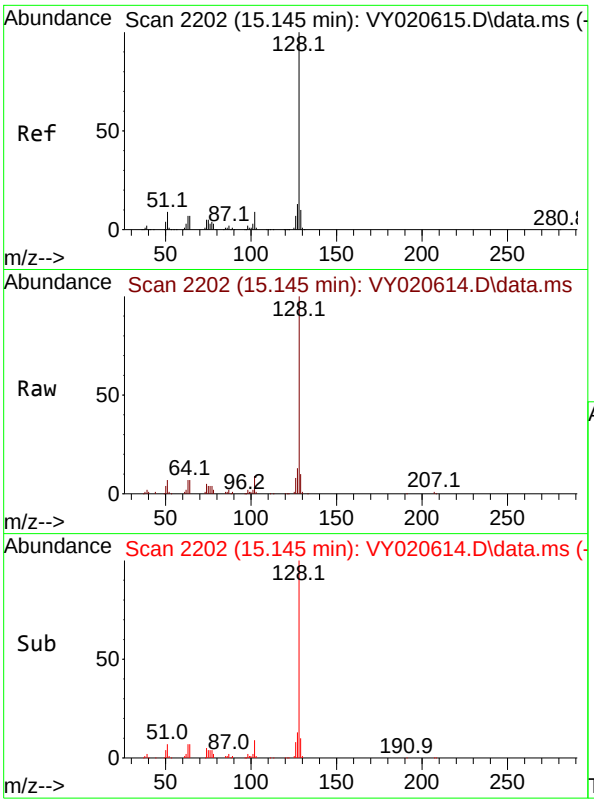


#94
Hexachlorobutadiene
Concen: 19.781 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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



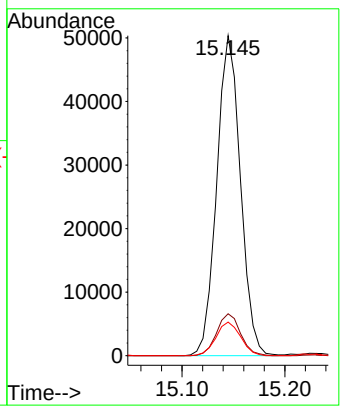


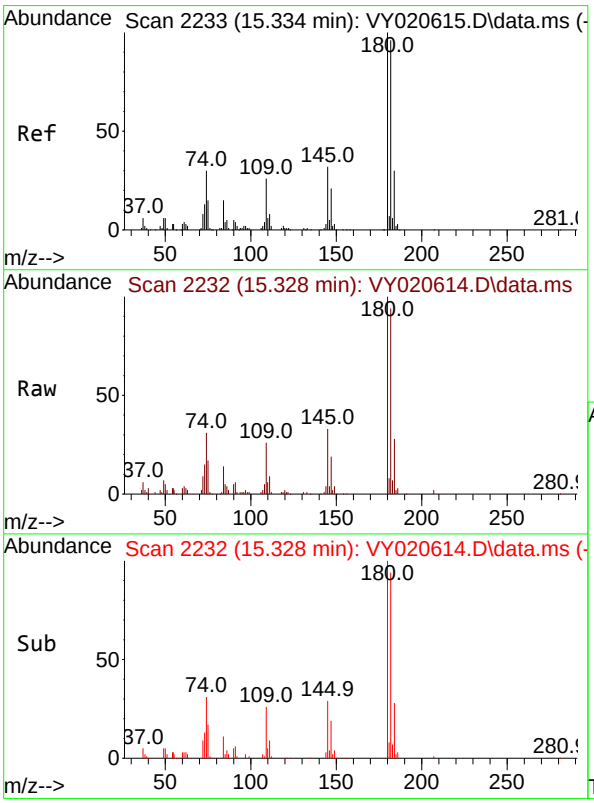
#95
Naphthalene
Concen: 18.126 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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

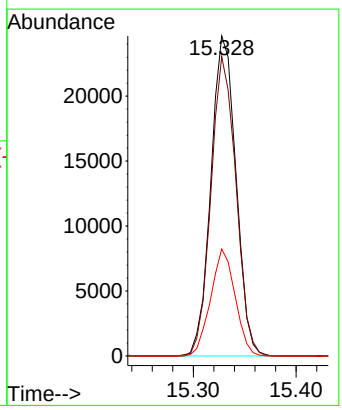




#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

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)

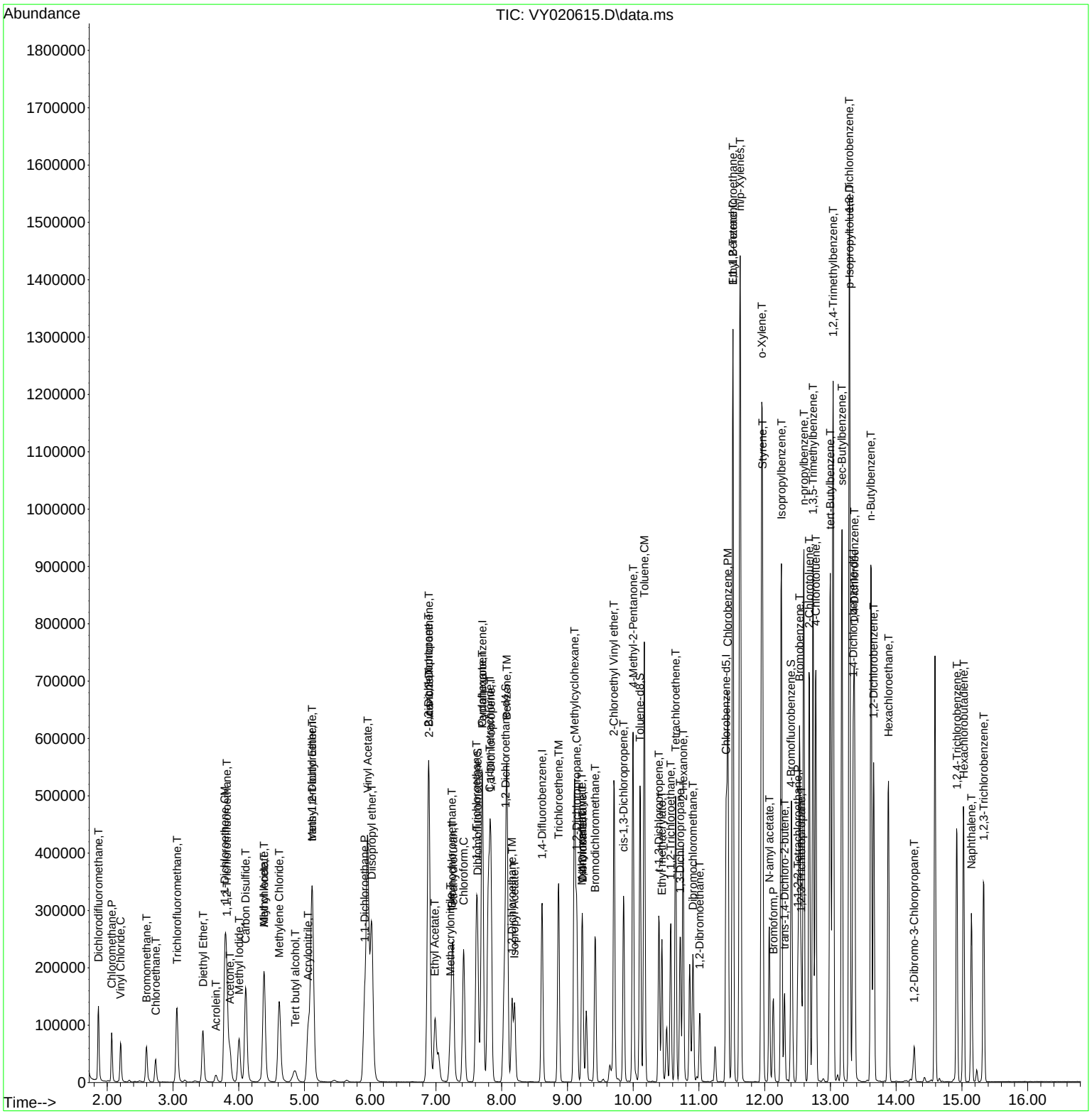
(#) = qualifier out of range (m) = manual integration (+) = signals summed

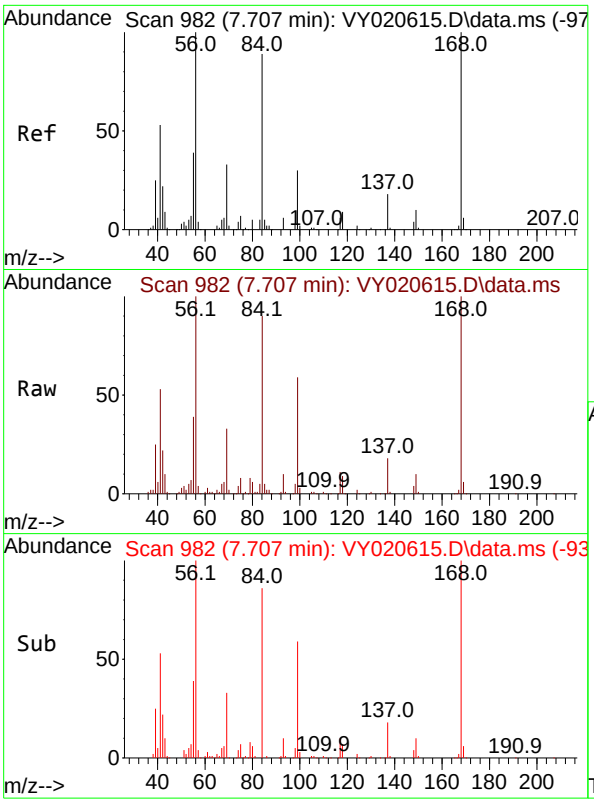
Quantitation Report (Not Reviewed)

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



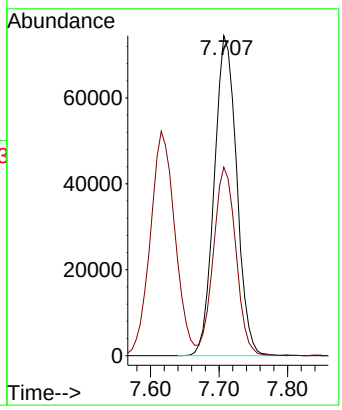


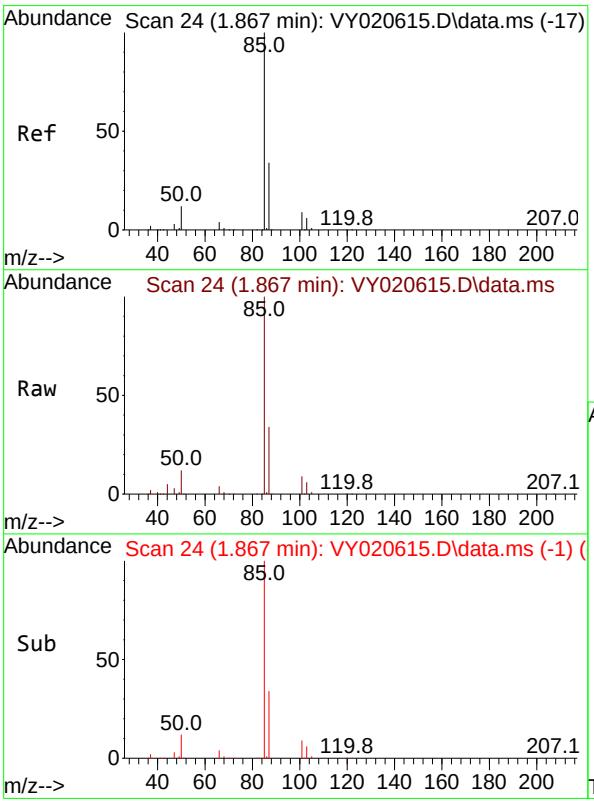
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 169292

Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.0	70.6

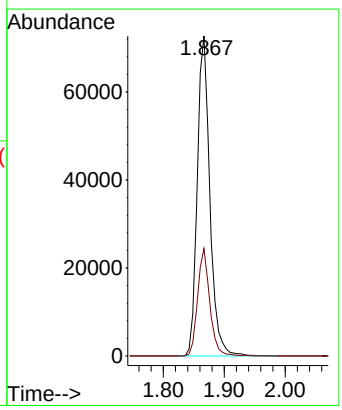


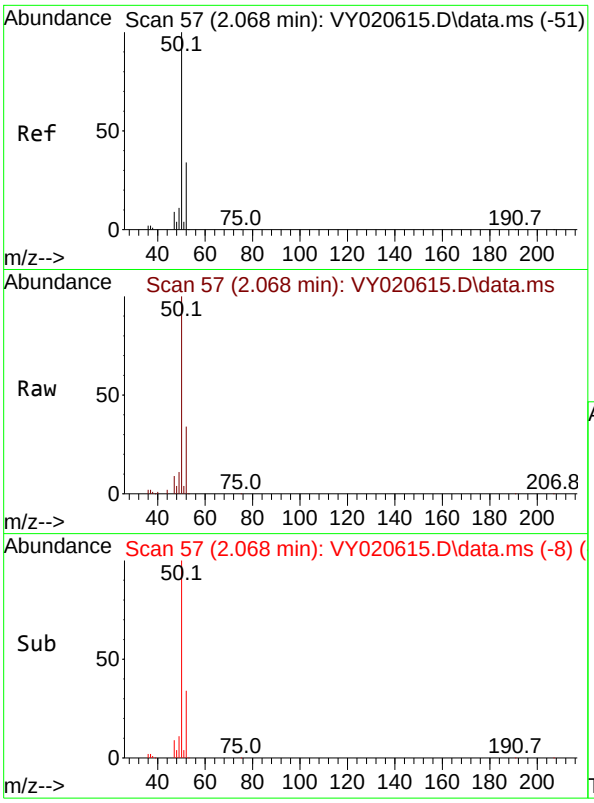


#2
Dichlorodifluoromethane
Concen: 49.416 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 85 Resp: 104493

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



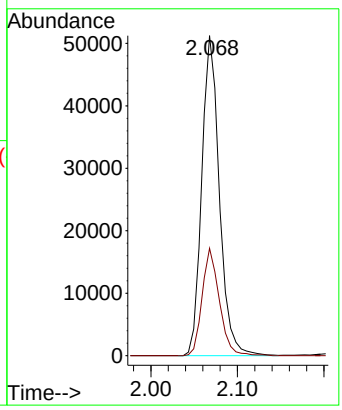


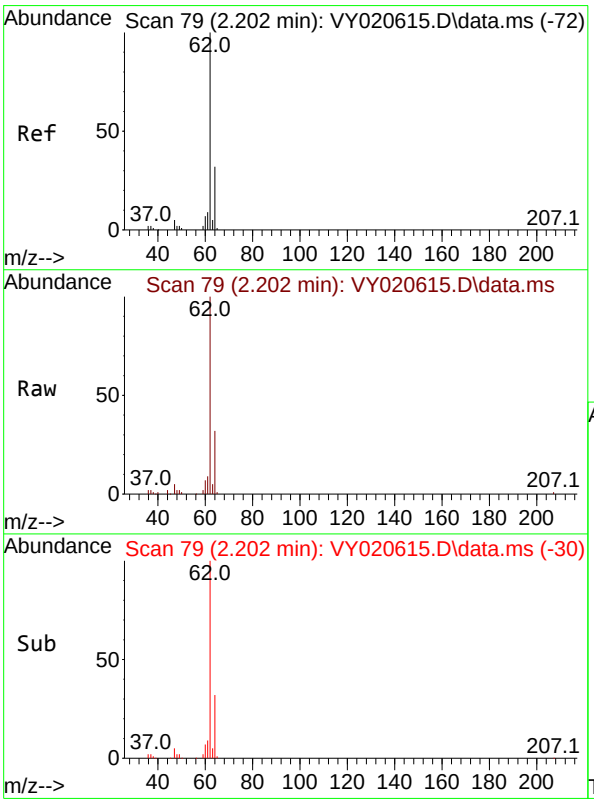
#3
Chloromethane
Concen: 46.229 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 72429

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

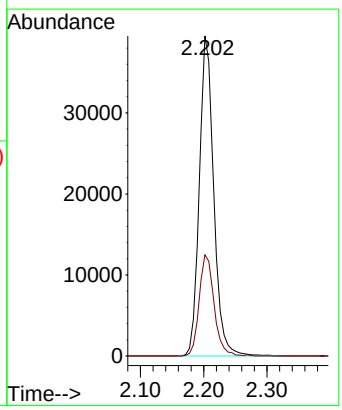


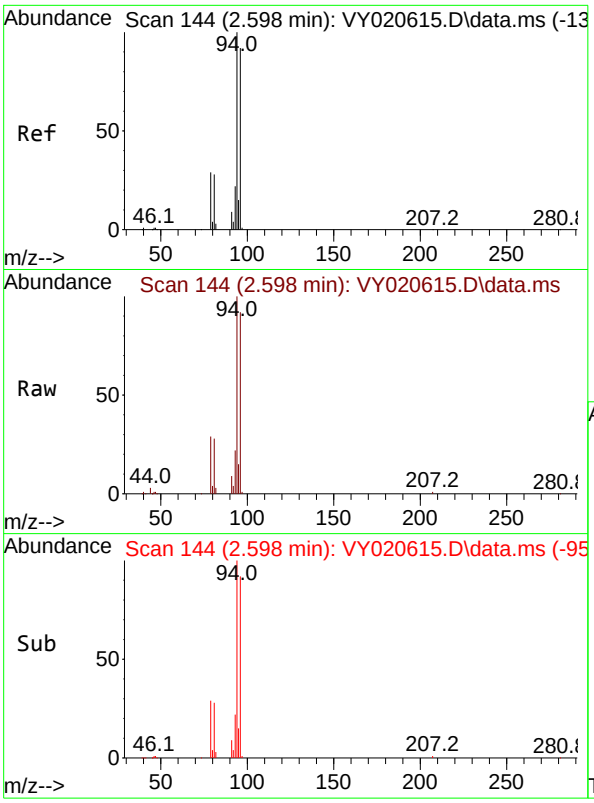


#4
Vinyl Chloride
Concen: 43.031 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 62750

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



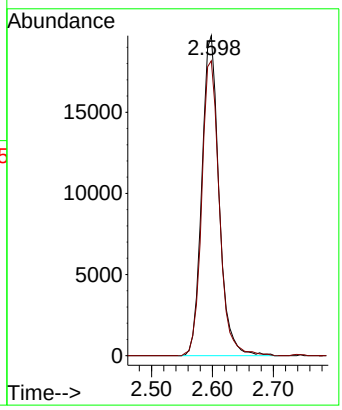


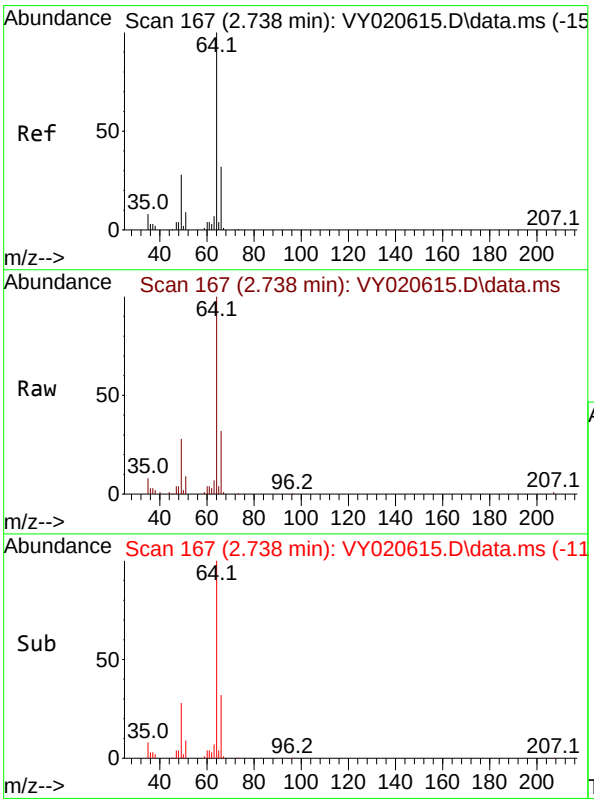
#5
Bromomethane
Concen: 41.303 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 38716

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.8	110.6

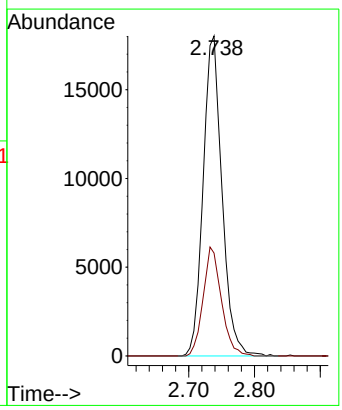


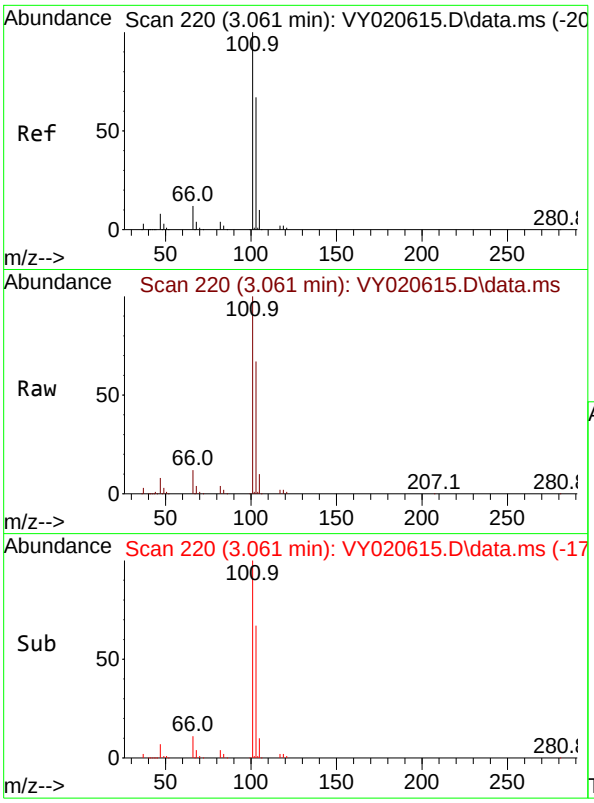


#6
Chloroethane
Concen: 39.890 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 64 Resp: 35946

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6



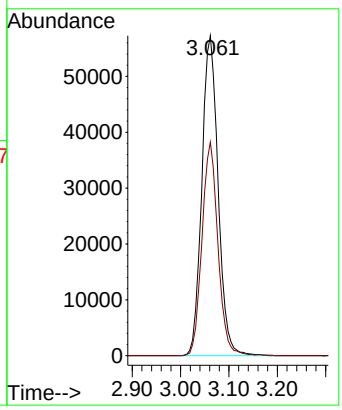


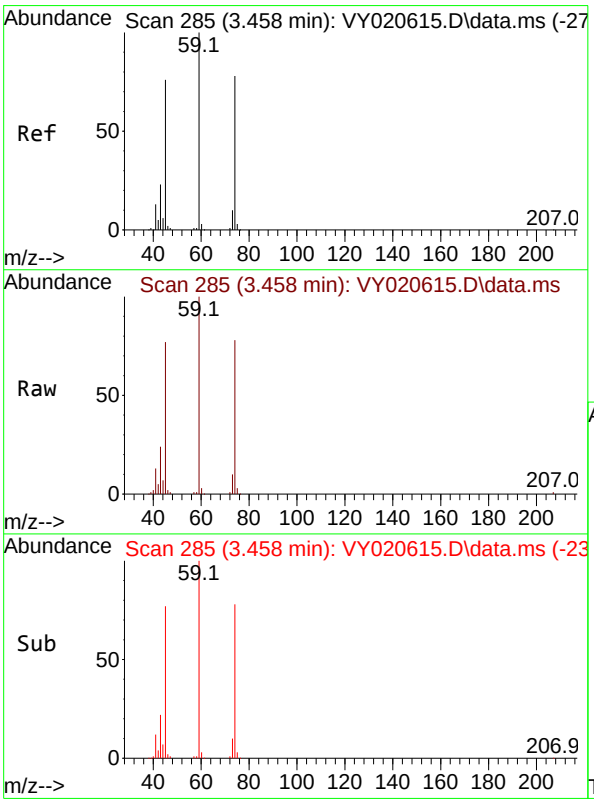
#7
Trichlorofluoromethane
Concen: 43.913 ug/l
RT: 3.061 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 133990

Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.4	80.0

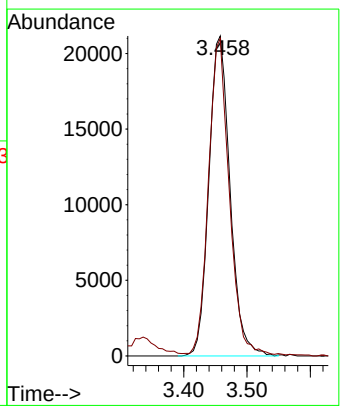


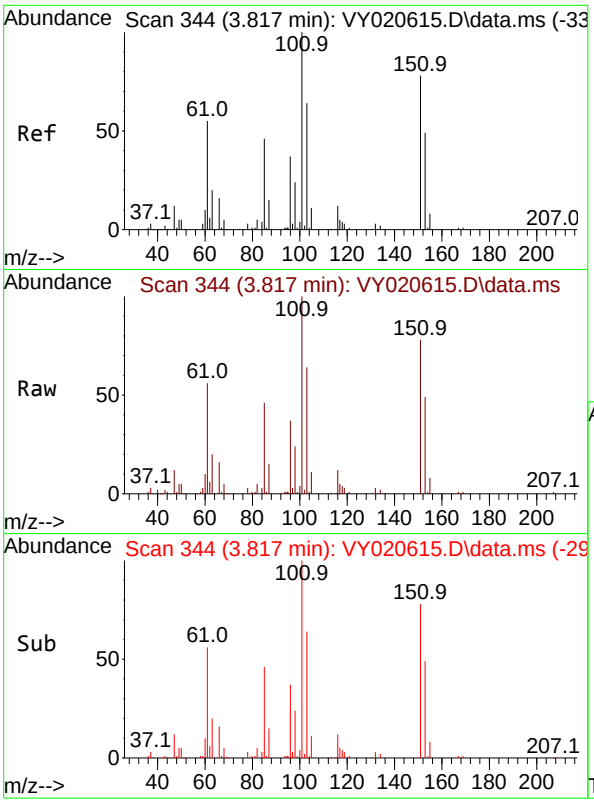


#8
Diethyl Ether
Concen: 45.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 74 Resp: 49218

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2



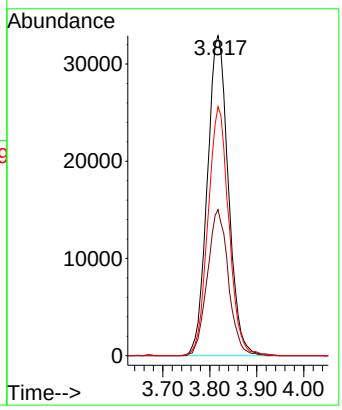


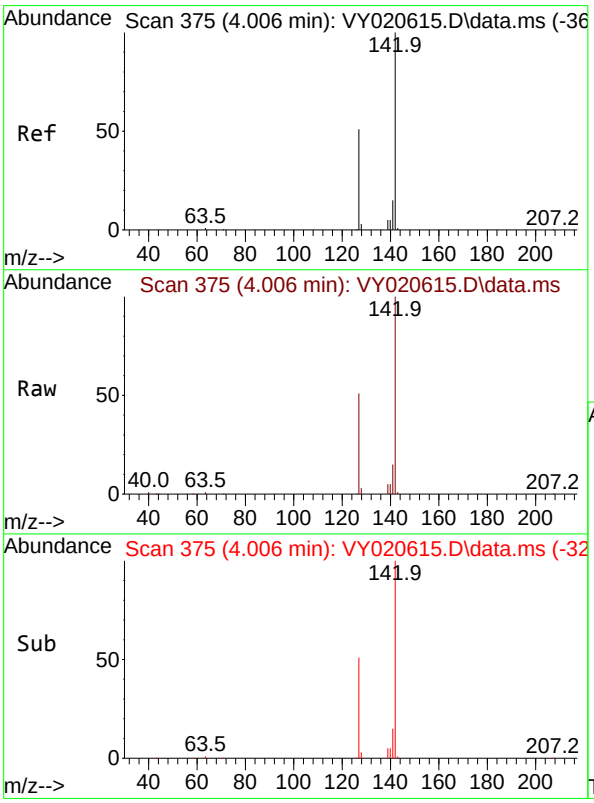
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.710 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

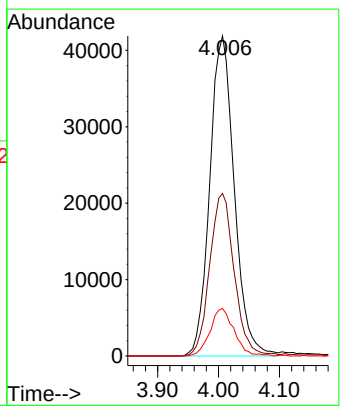


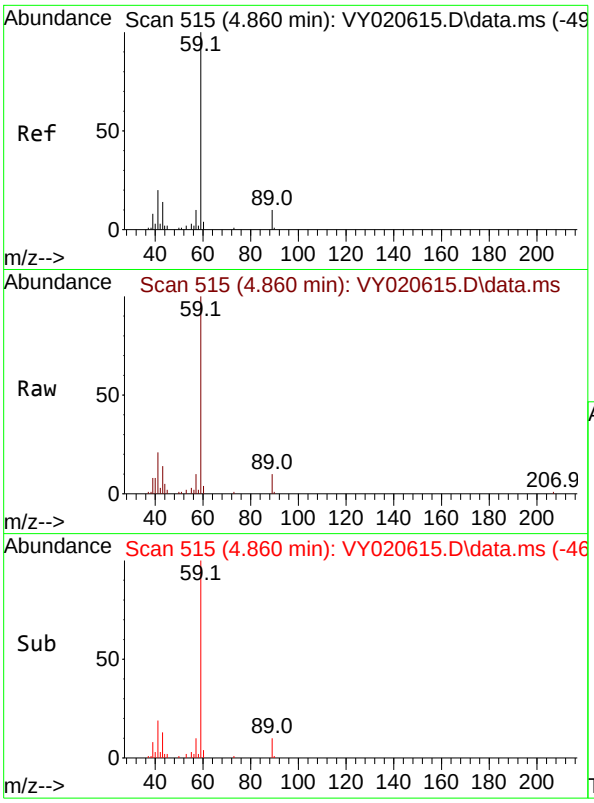


#10
Methyl Iodide
Concen: 48.135 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



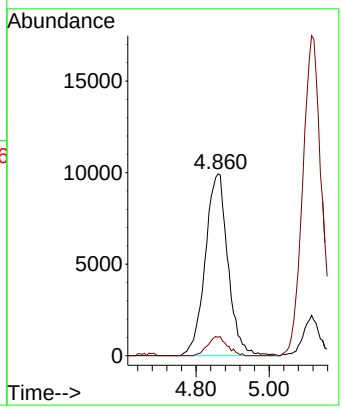


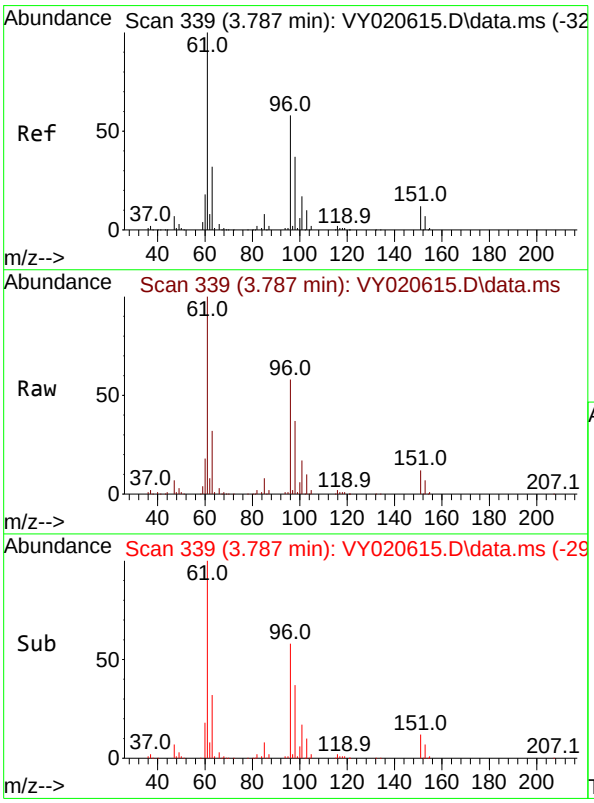
#11
Tert butyl alcohol
Concen: 214.068 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 42756

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

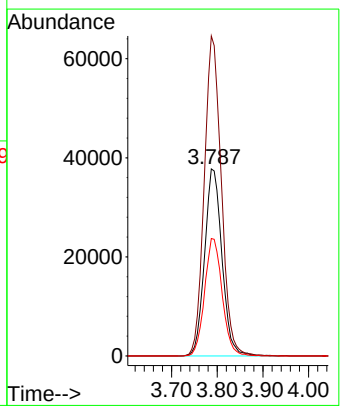


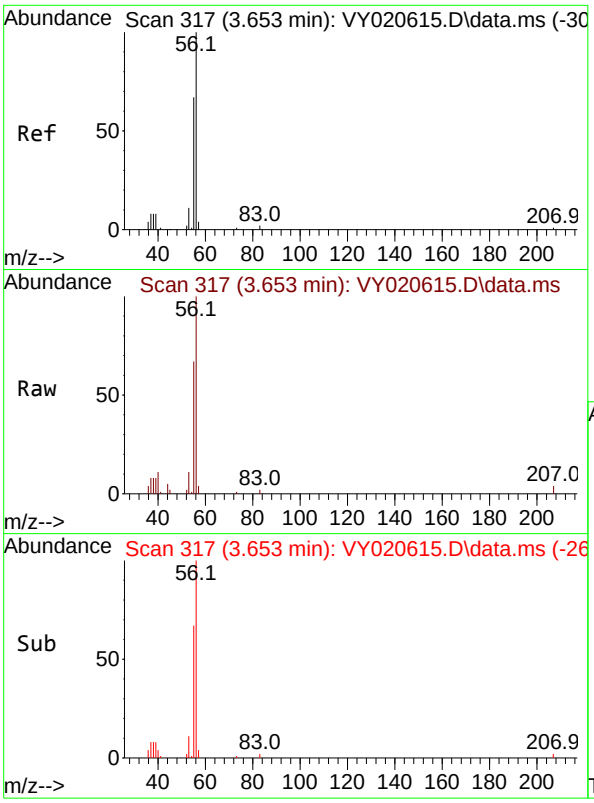


#12
1,1-Dichloroethene
Concen: 47.016 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



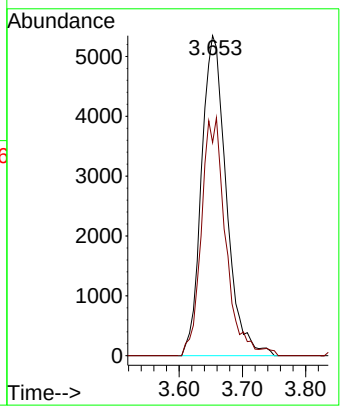


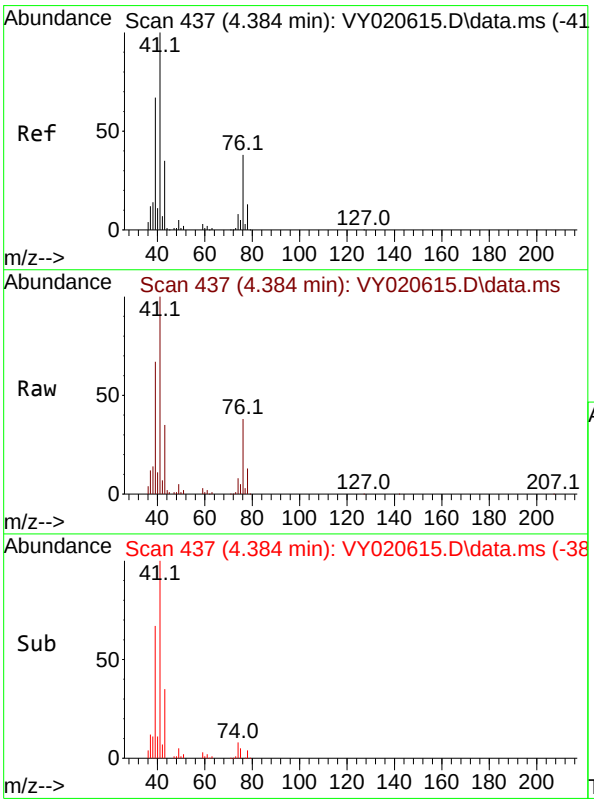
#13
Acrolein
Concen: 166.258 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 14576

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.5	86.3

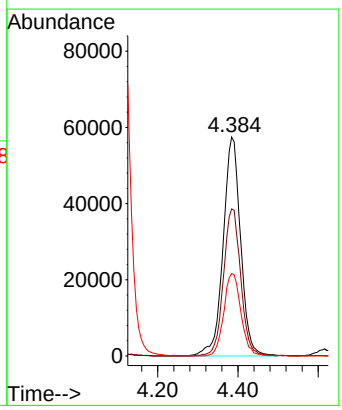


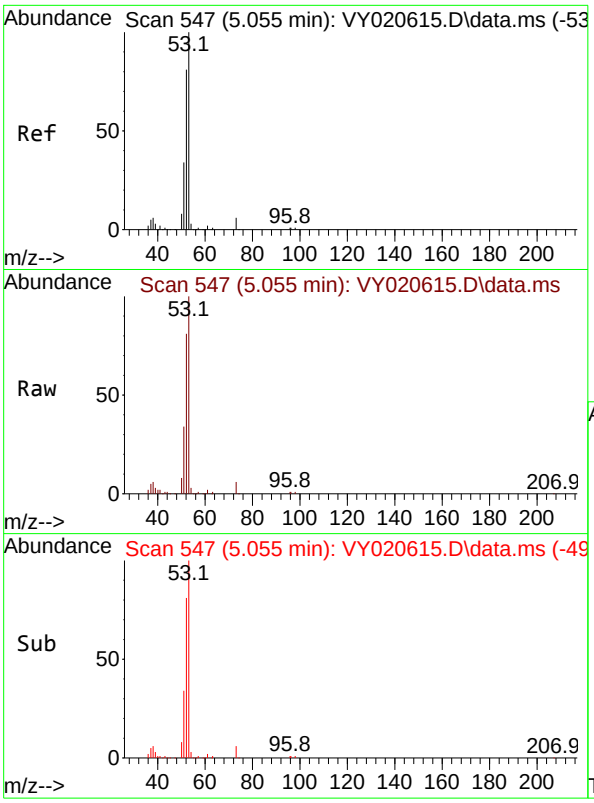


#14
Allyl chloride
Concen: 46.780 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



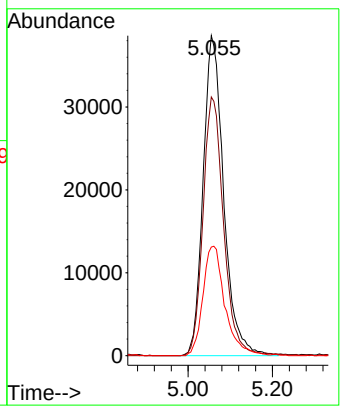


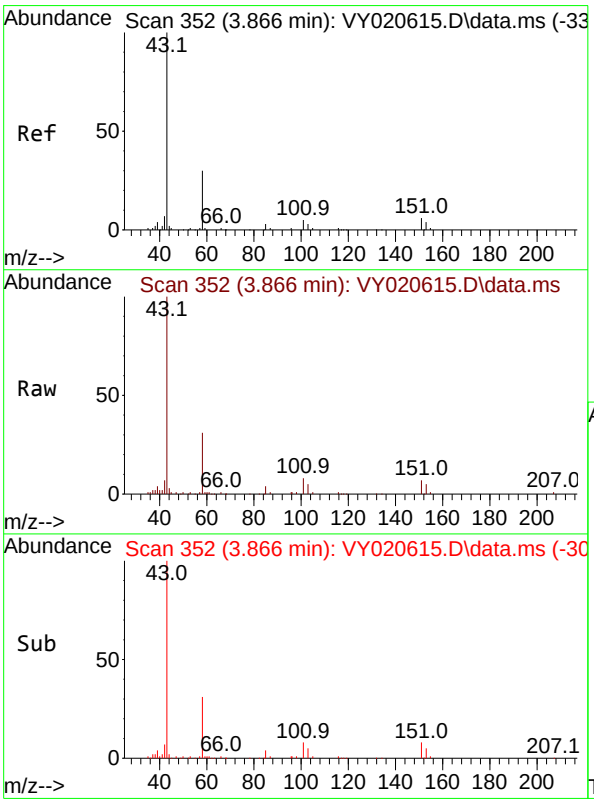
#15
Acrylonitrile
Concen: 255.615 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

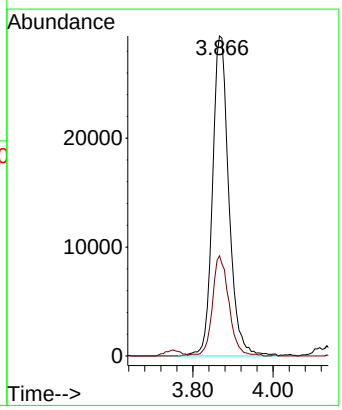


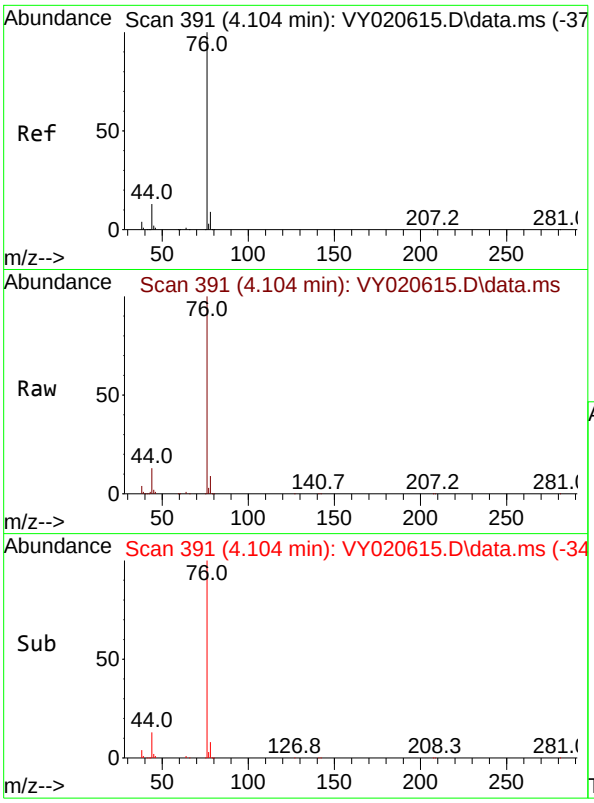


#16
Acetone
Concen: 225.255 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 83206

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6



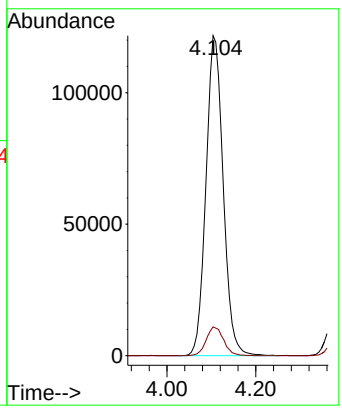


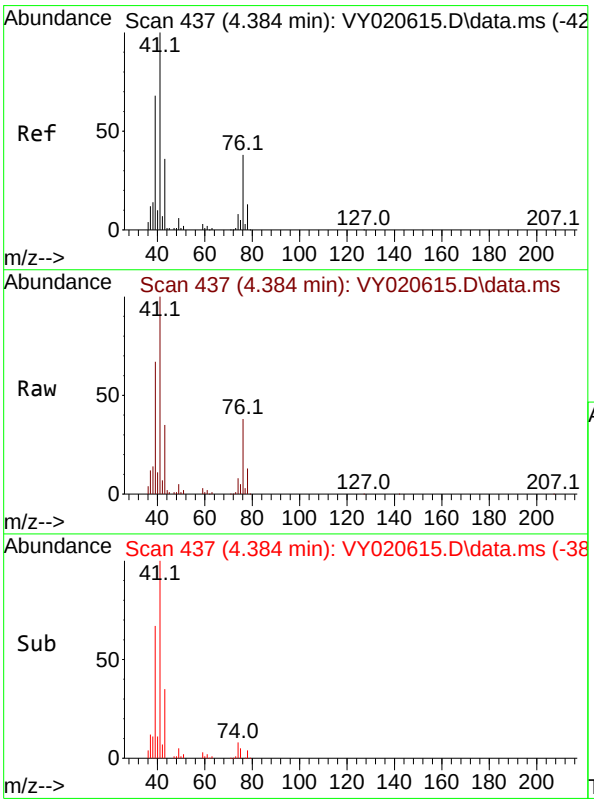
#17
Carbon Disulfide
Concen: 47.529 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 328309

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

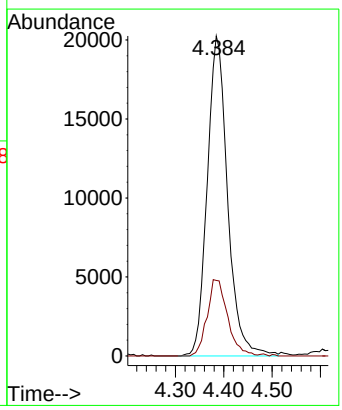


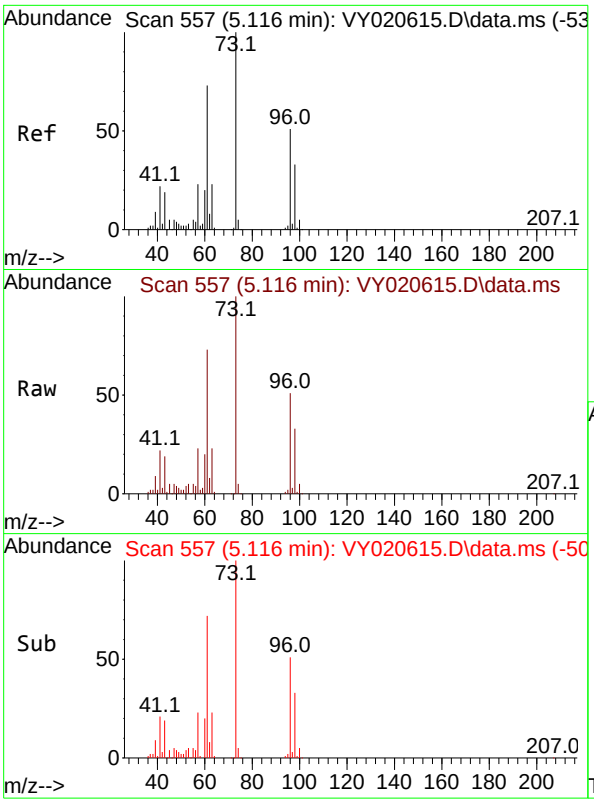


#18
Methyl Acetate
Concen: 46.948 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 59224

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



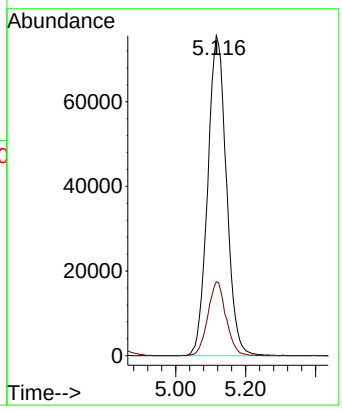


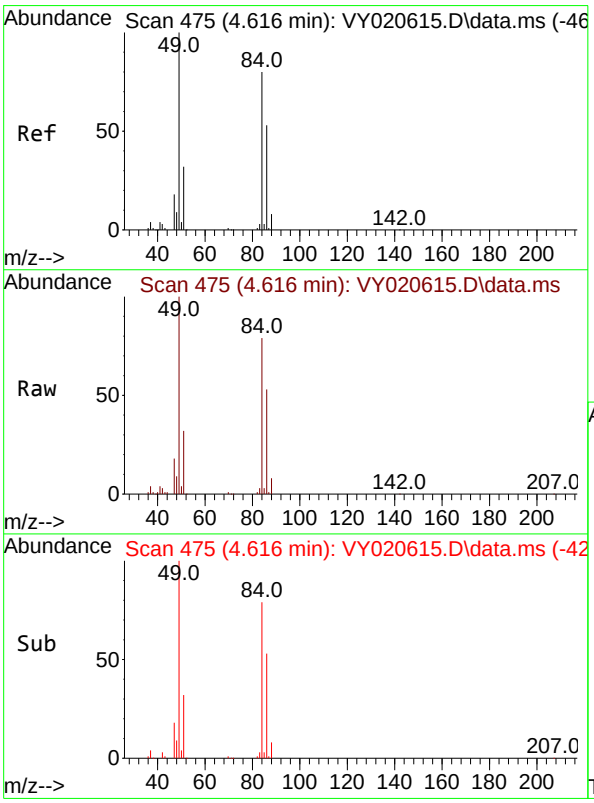
#19
Methyl tert-butyl Ether
Concen: 51.414 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 281609

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

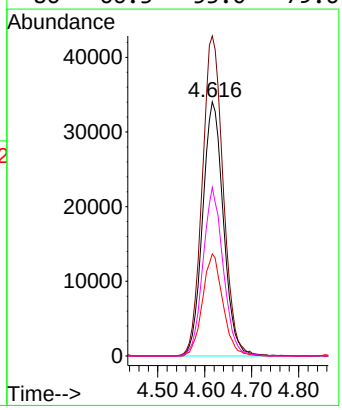


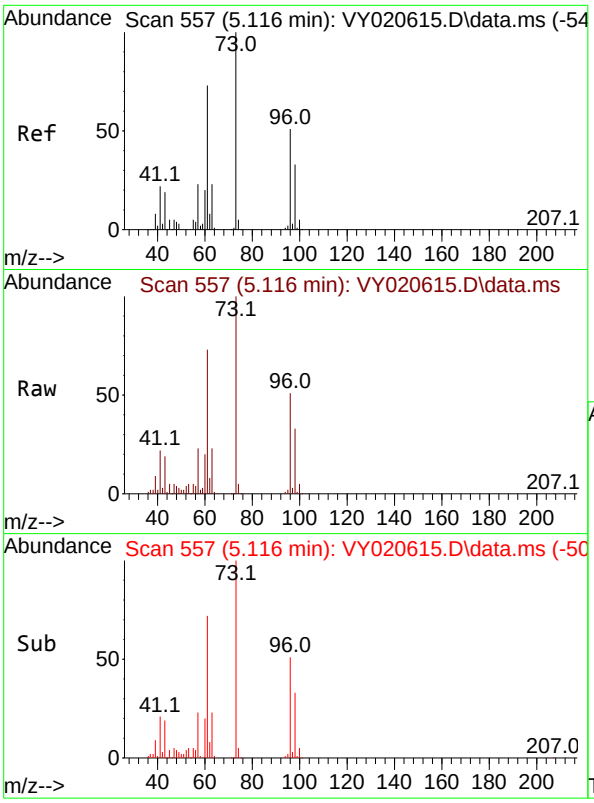


#20
Methylene Chloride
Concen: 45.319 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



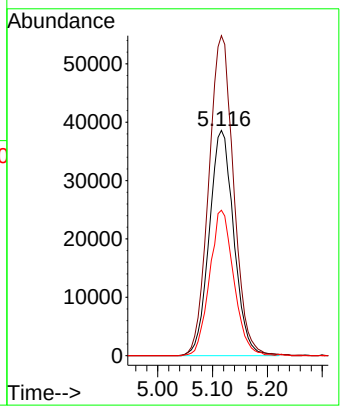


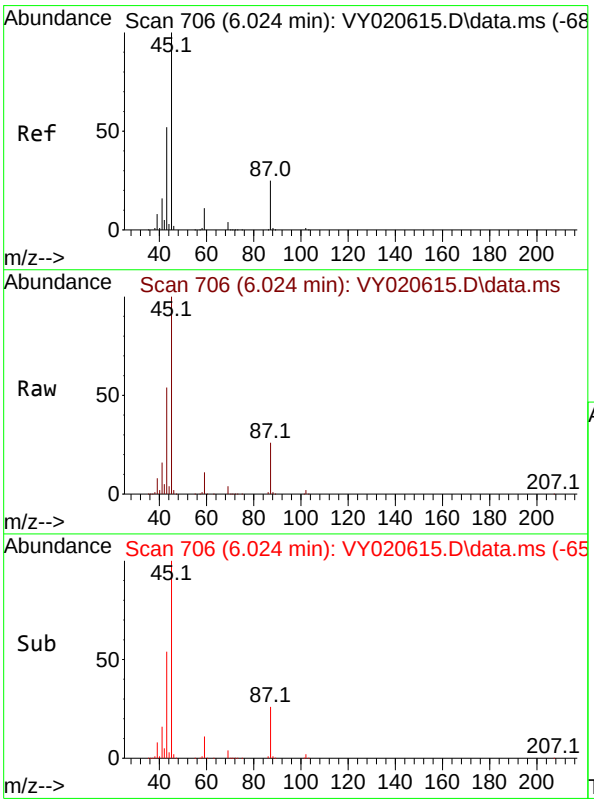
#21
trans-1,2-Dichloroethene
Concen: 50.488 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

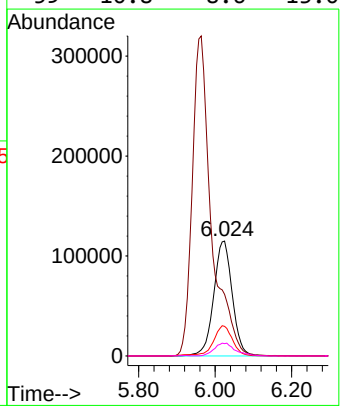


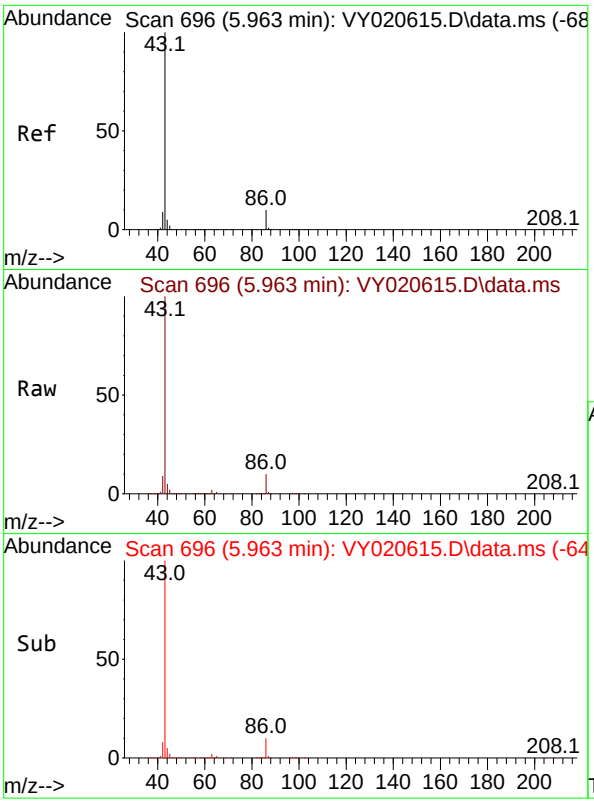


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



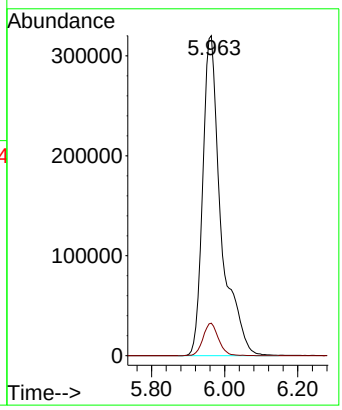


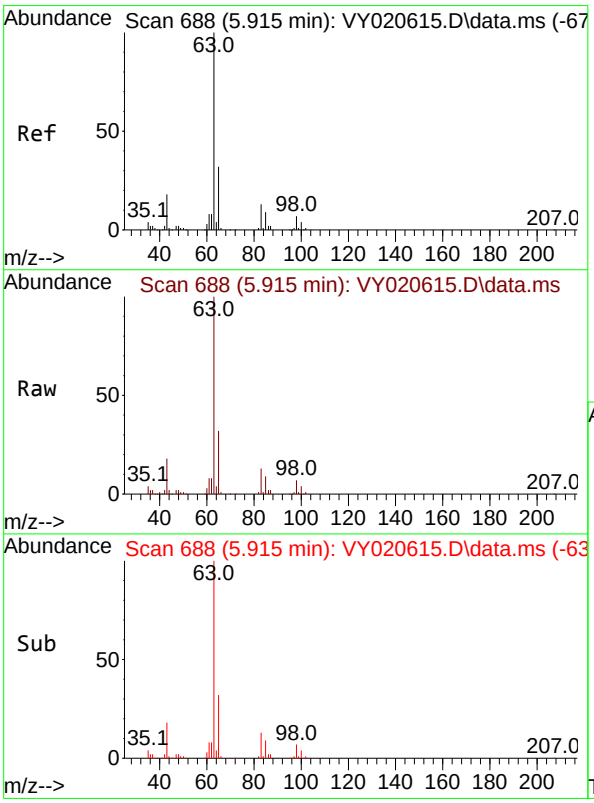
#23
Vinyl Acetate
Concen: 260.208 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1112368

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

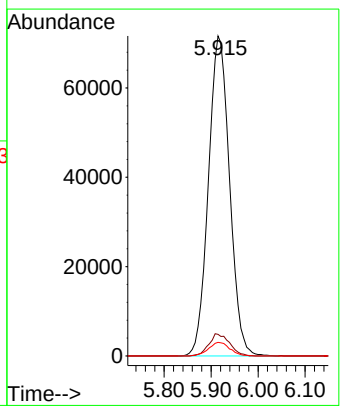


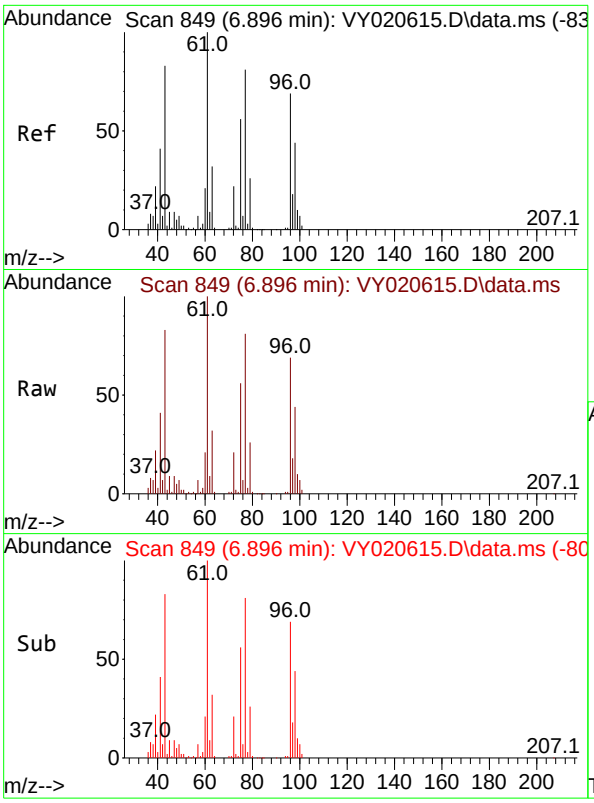


#24
1,1-Dichloroethane
Concen: 50.635 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



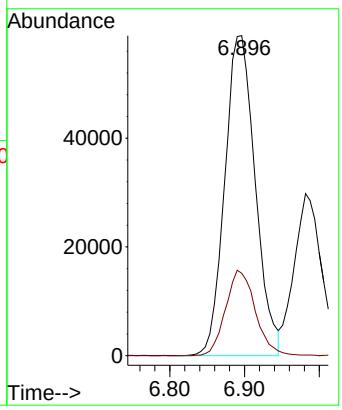


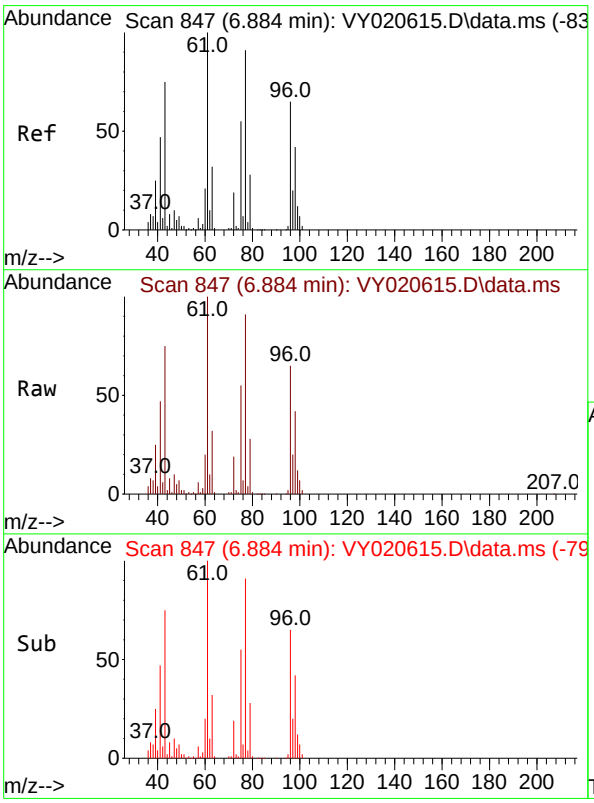
#25
2-Butanone
Concen: 242.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 167158

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0

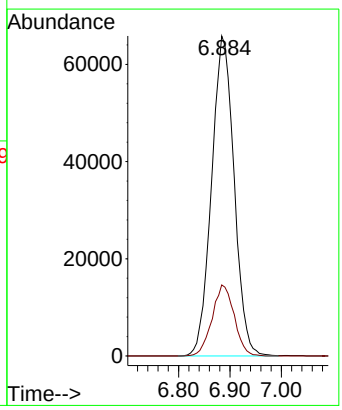


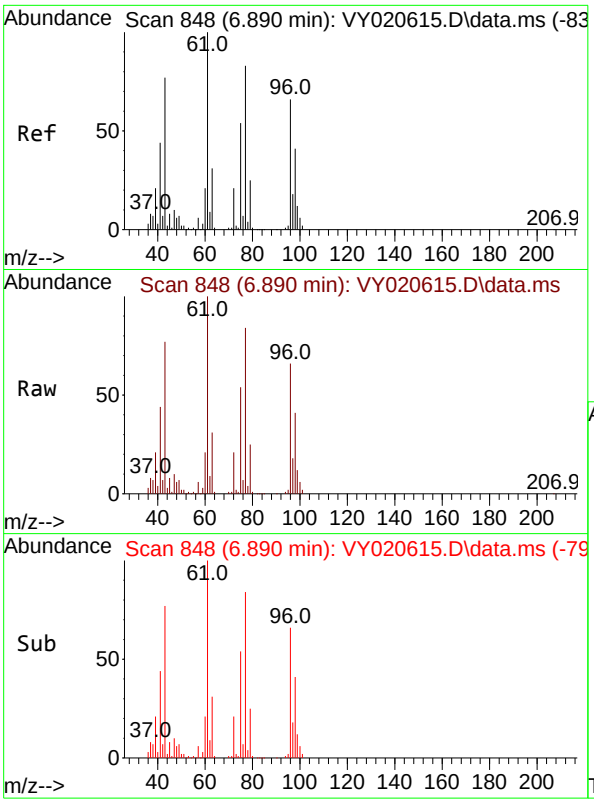


#26
2,2-Dichloropropane
Concen: 47.951 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 77 Resp: 200438

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6



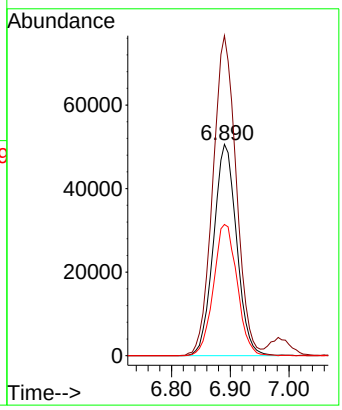


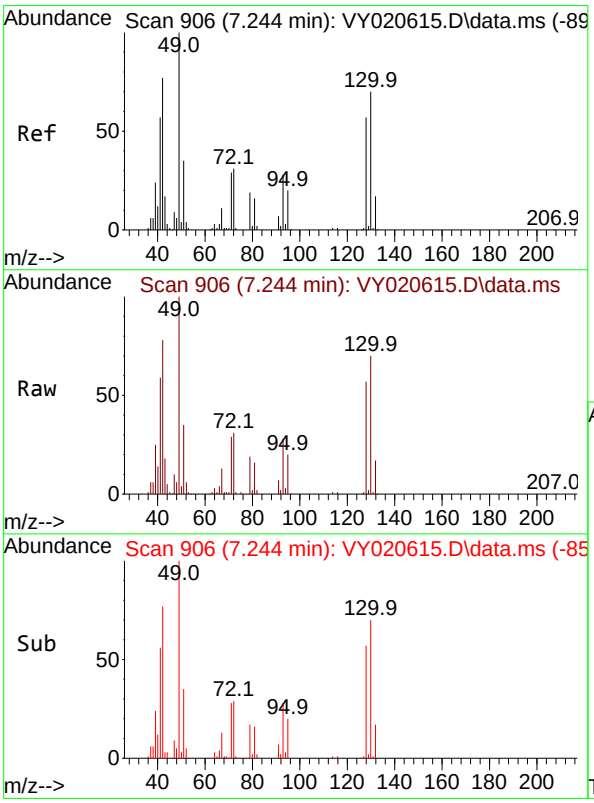
#27
cis-1,2-Dichloroethene
Concen: 50.490 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

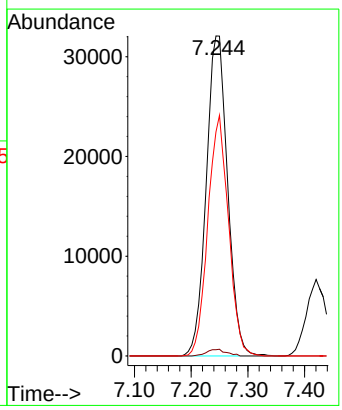


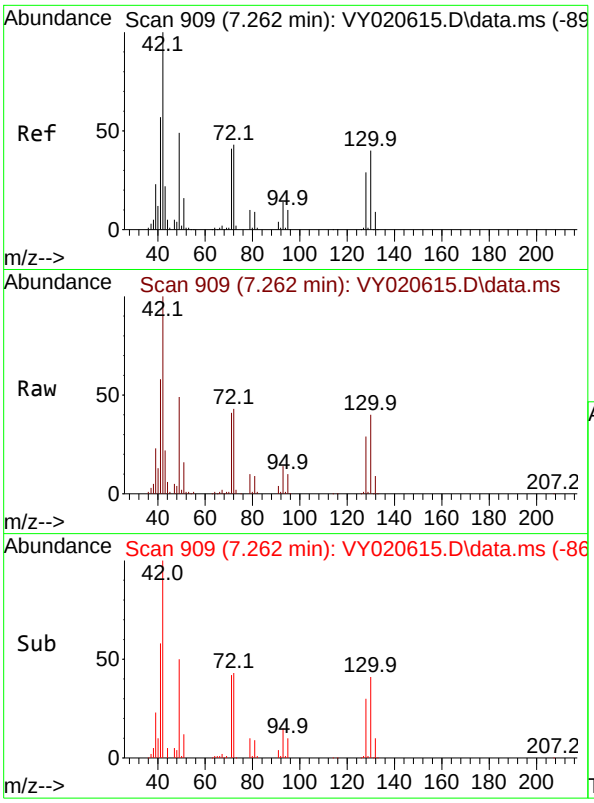


#28
Bromochloromethane
Concen: 56.199 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



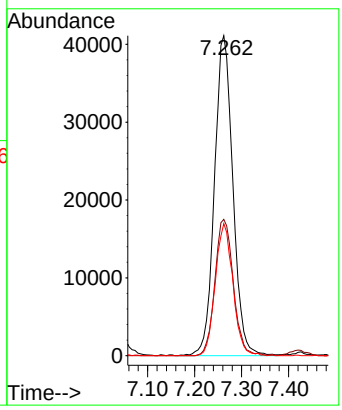


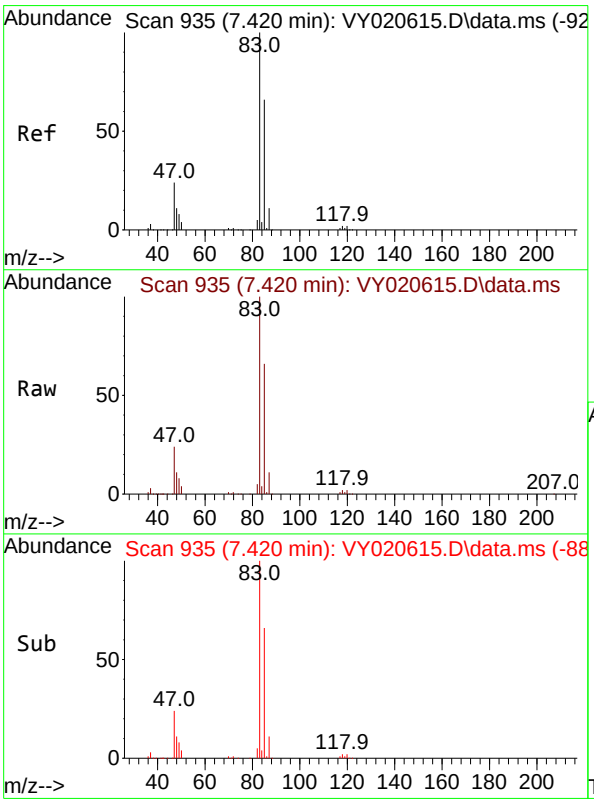
#29
Tetrahydrofuran
Concen: 258.011 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

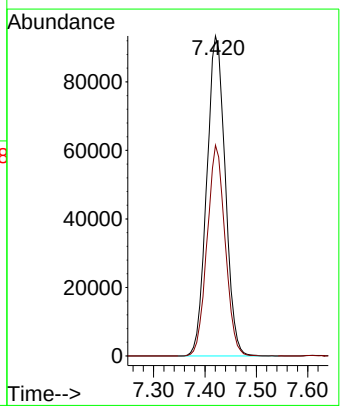


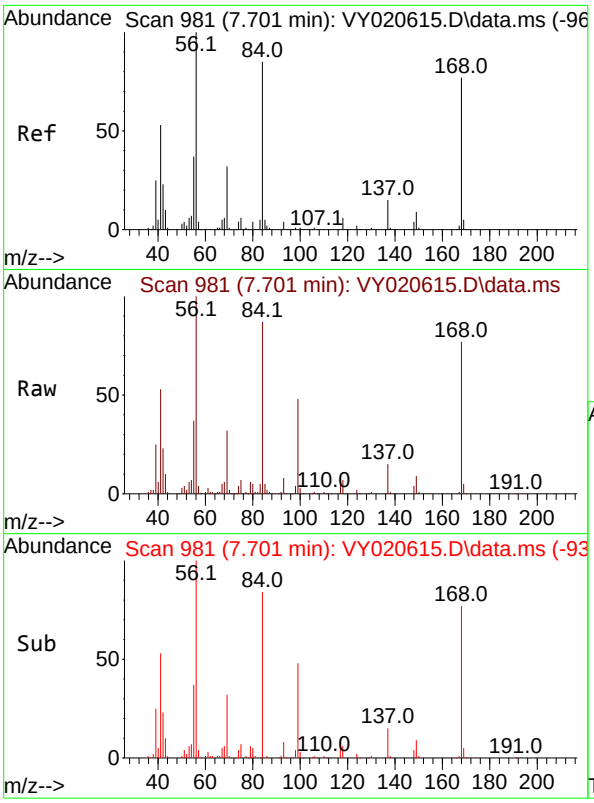


#30
Chloroform
Concen: 52.860 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 233357

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1



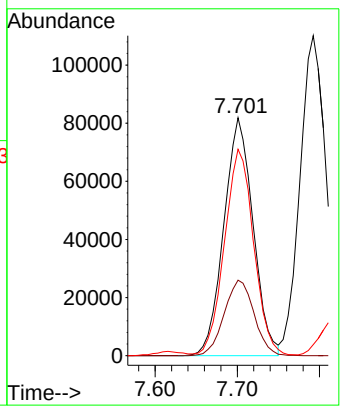


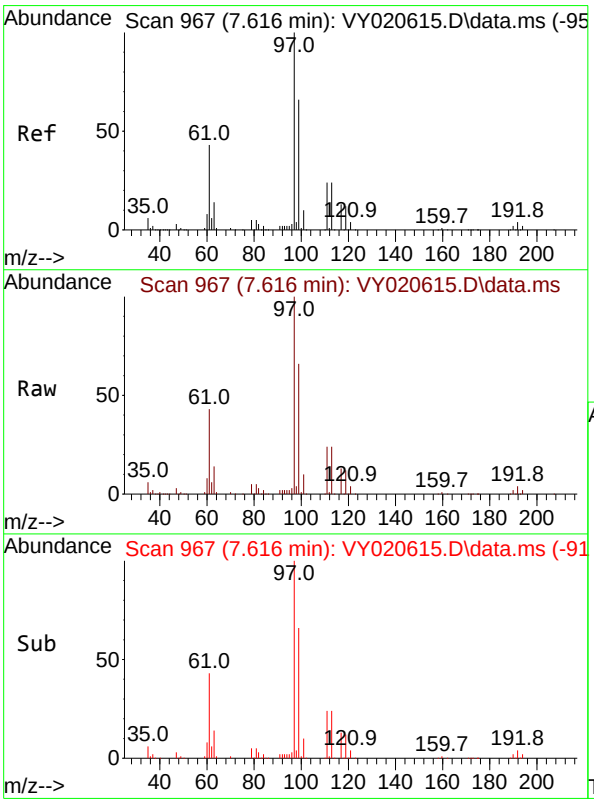
#31
Cyclohexane
Concen: 47.962 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

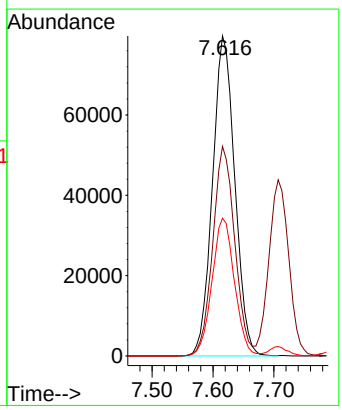


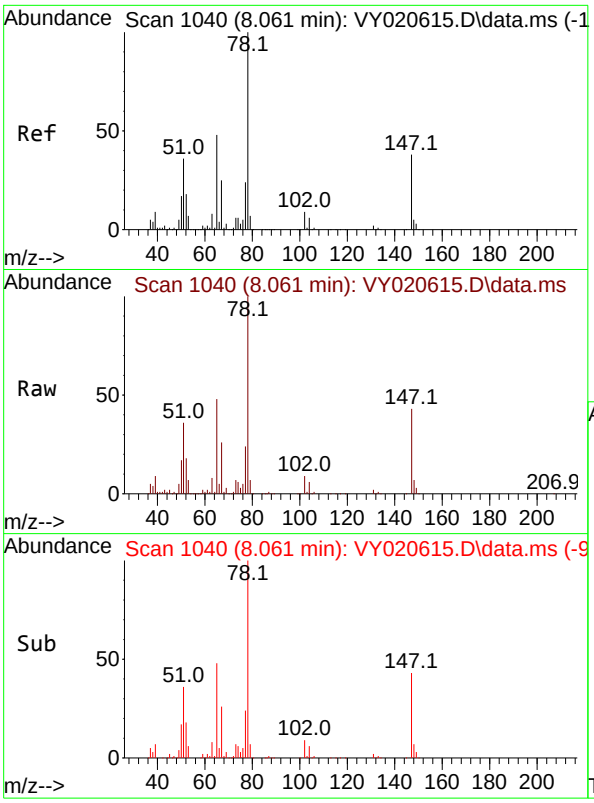


#32
1,1,1-Trichloroethane
Concen: 49.911 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



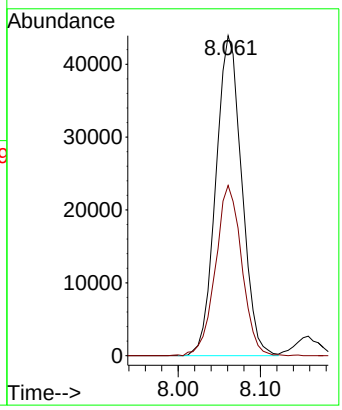


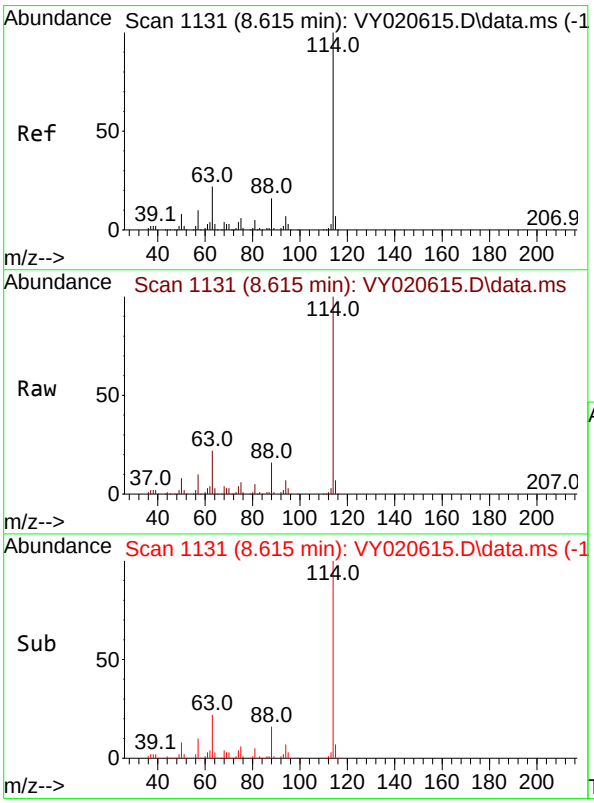
#33
1,2-Dichloroethane-d4
Concen: 51.933 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 96289

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.0

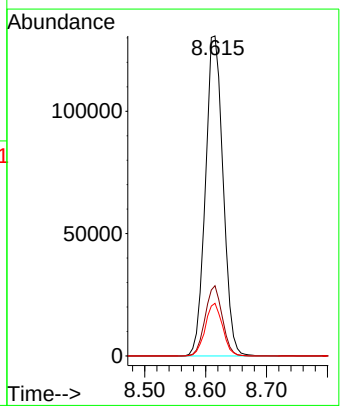


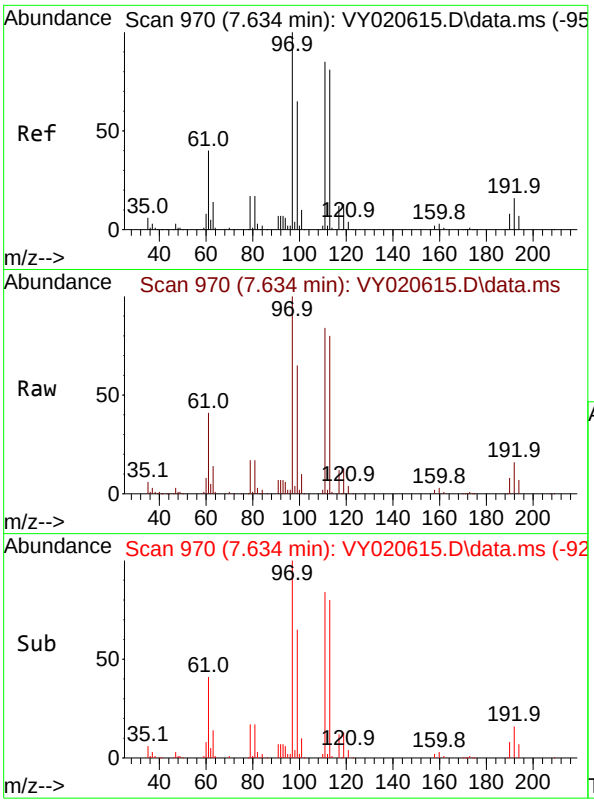


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



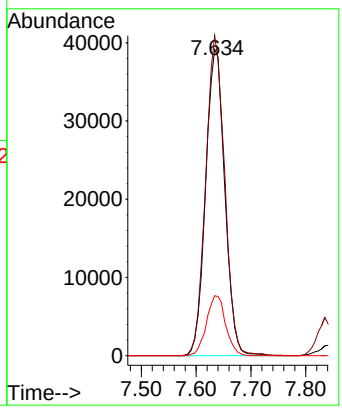


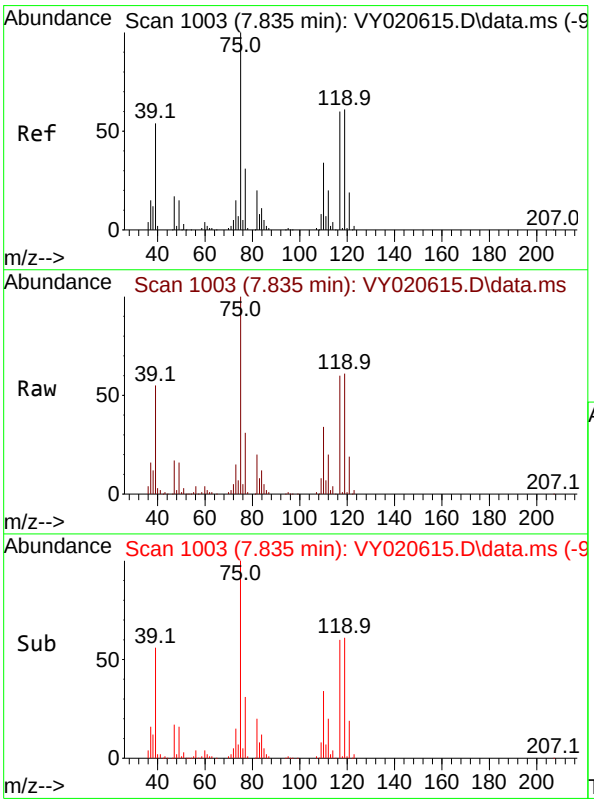
#35
Dibromofluoromethane
Concen: 51.139 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

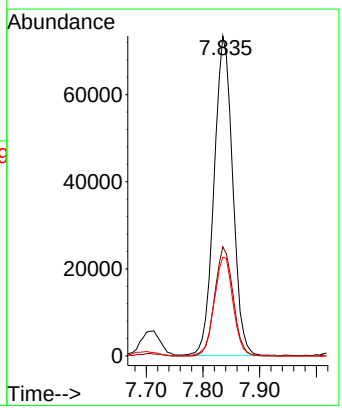


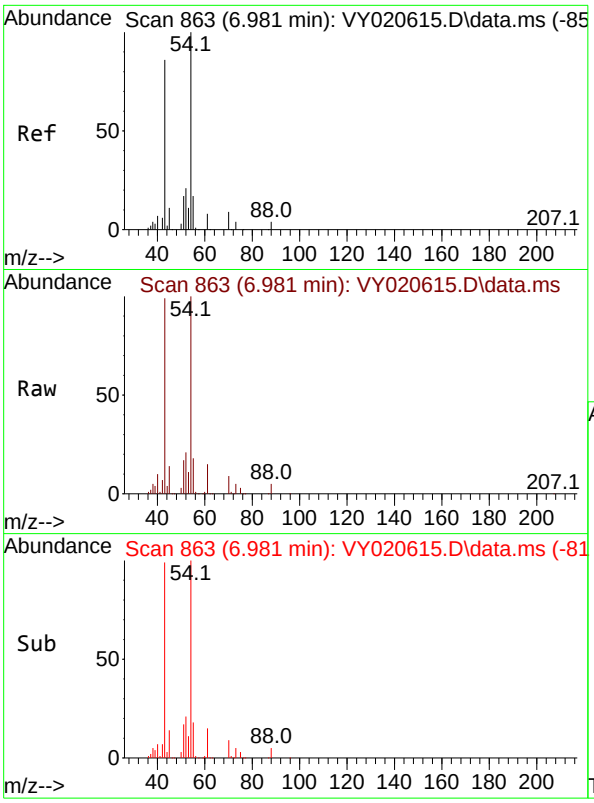


#36
1,1-Dichloropropene
Concen: 49.533 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



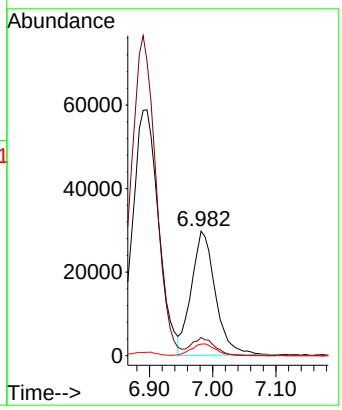


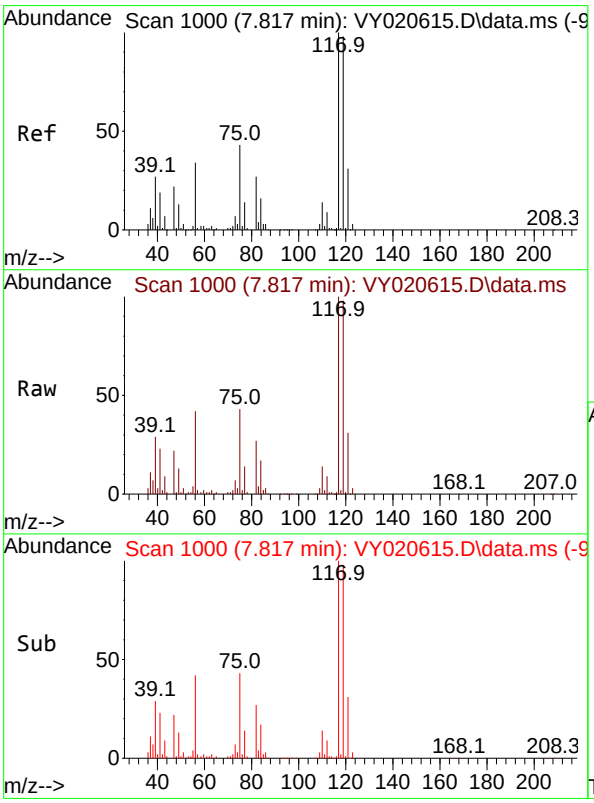
#37
Ethyl Acetate
Concen: 49.275 ug/l
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

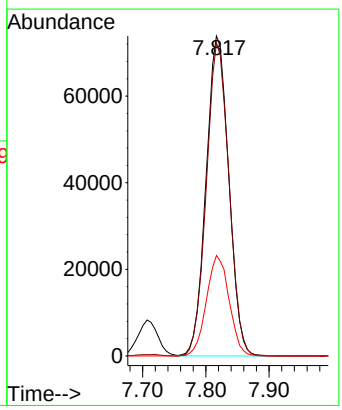


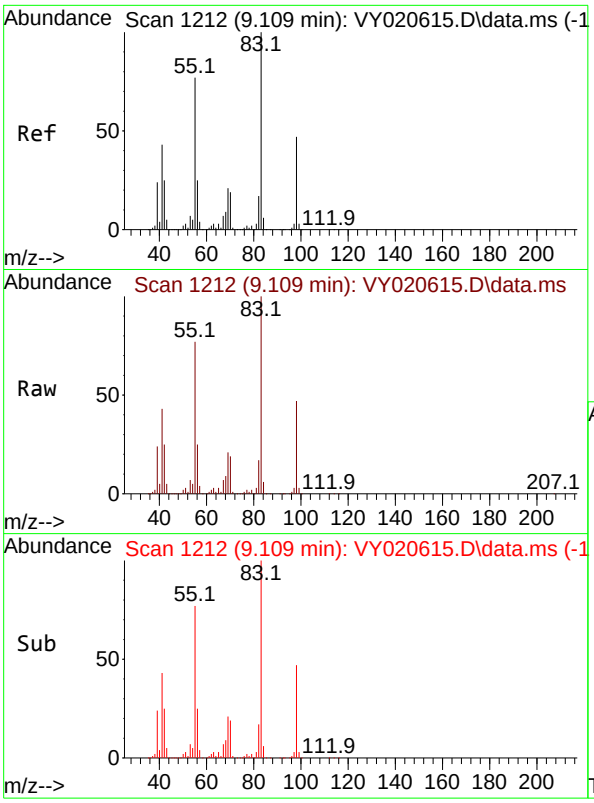


#38
Carbon Tetrachloride
Concen: 49.267 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



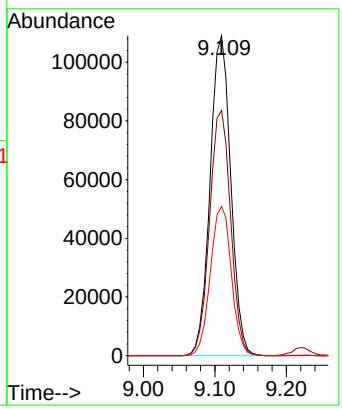


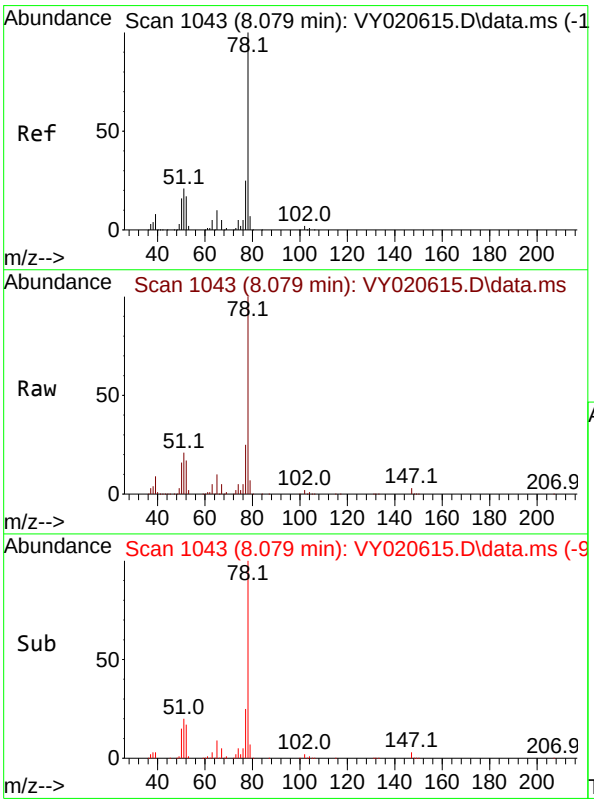
#39
Methylcyclohexane
Concen: 49.696 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

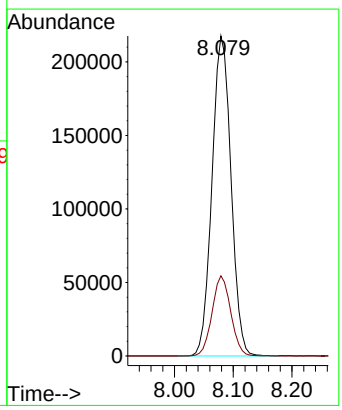


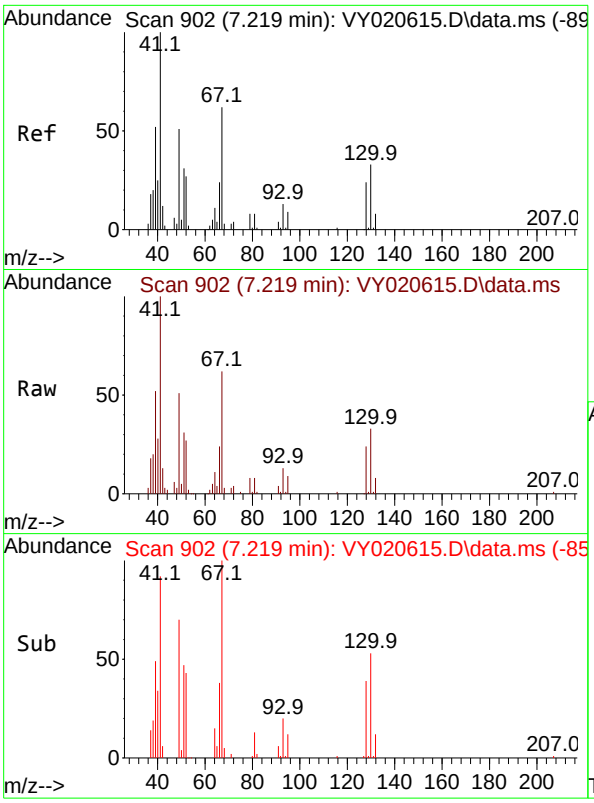


#40
Benzene
Concen: 49.343 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 78 Resp: 489140

Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.1	30.1



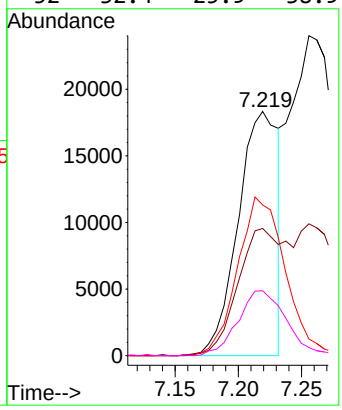


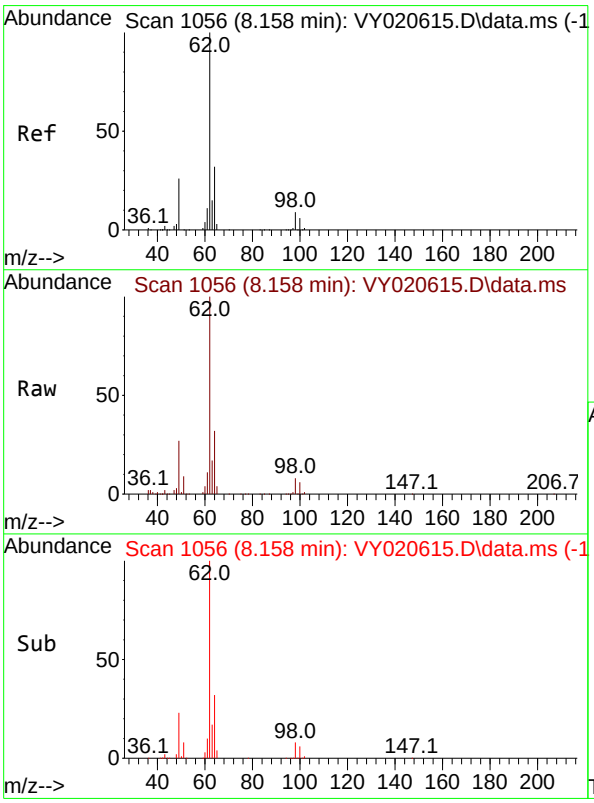
#41
Methacrylonitrile
Concen: 48.191 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

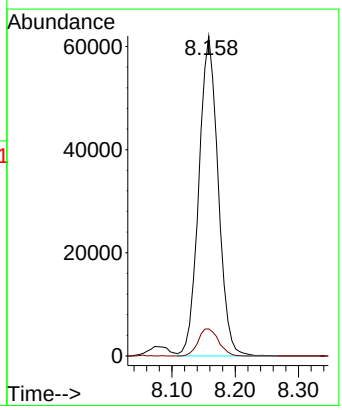


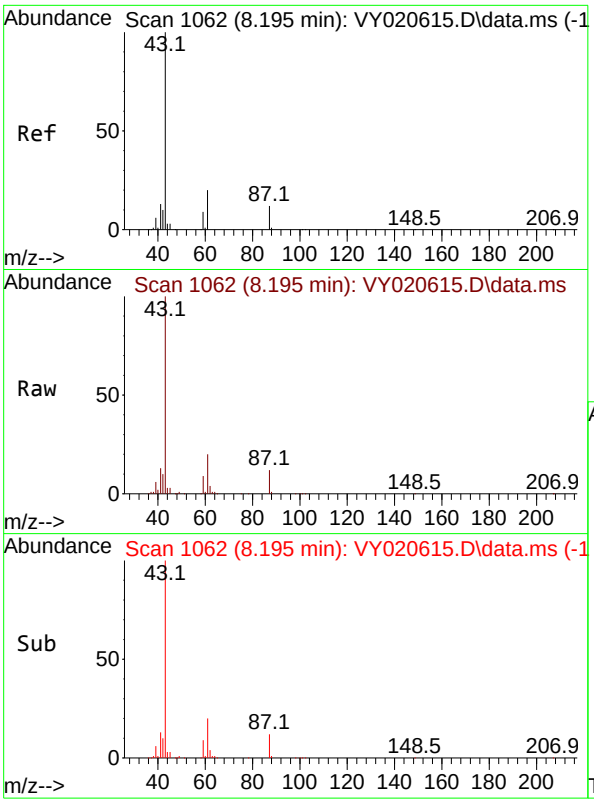


#42
1,2-Dichloroethane
Concen: 50.069 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 131640

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0



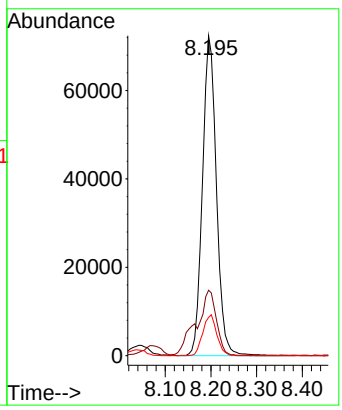


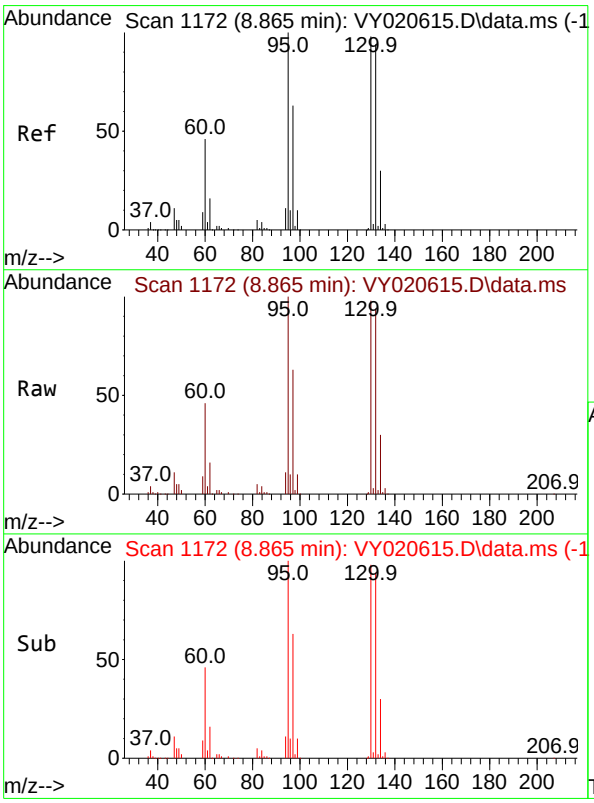
#43
Isopropyl Acetate
Concen: 50.877 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

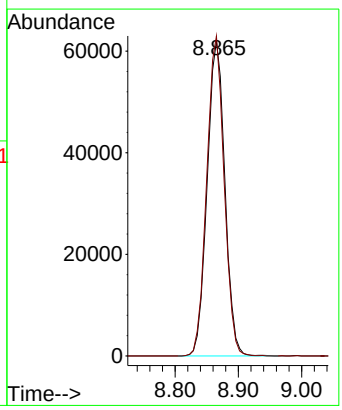


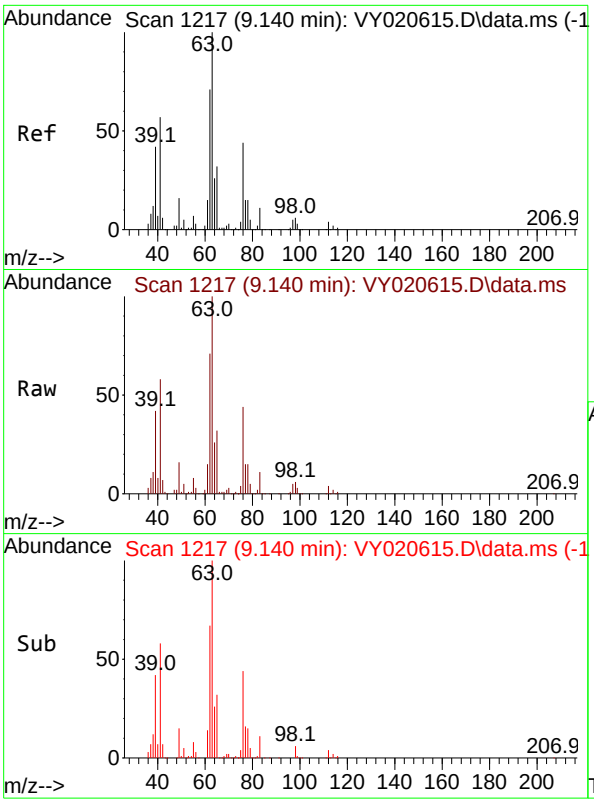


#44
Trichloroethene
Concen: 49.491 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:130 Resp: 120552

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.2



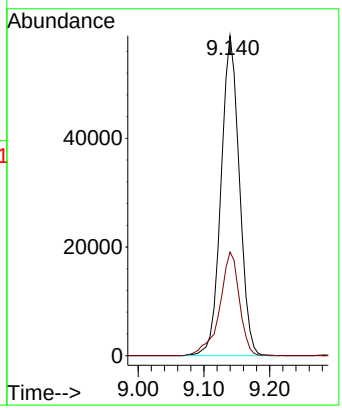


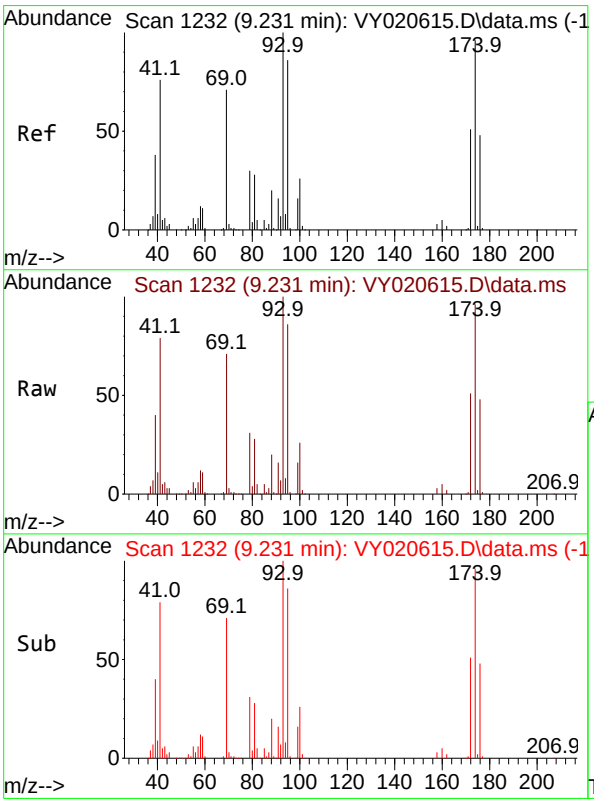
#45
1,2-Dichloropropane
Concen: 49.313 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 114250

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9

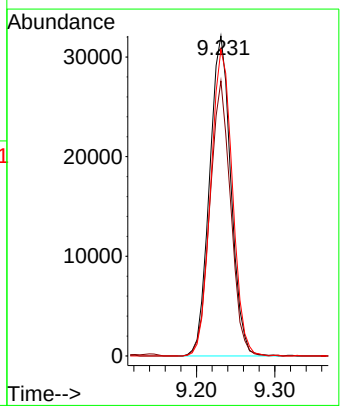


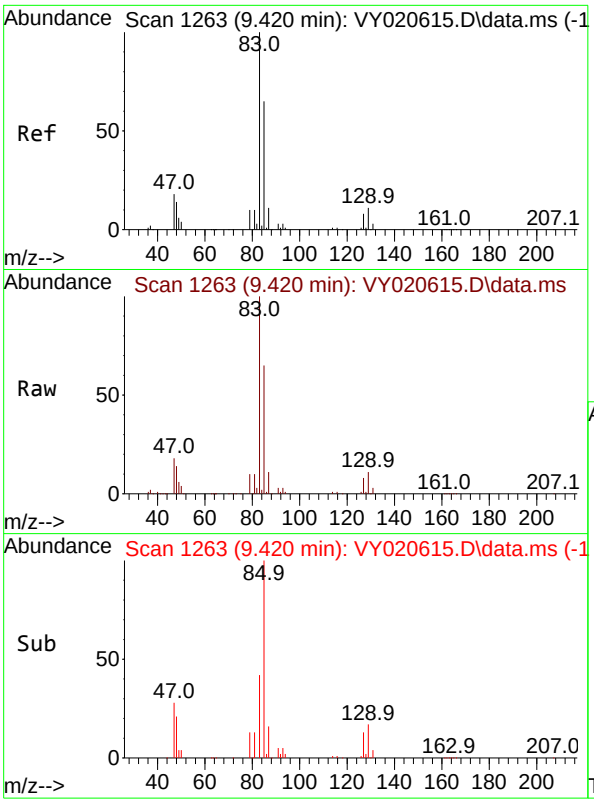


#46
Dibromomethane
Concen: 49.642 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



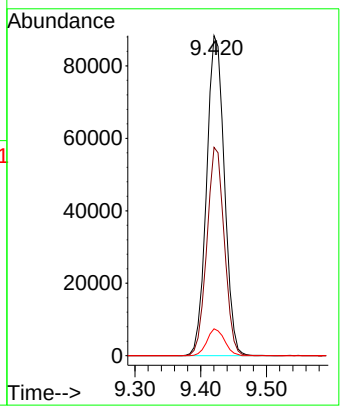


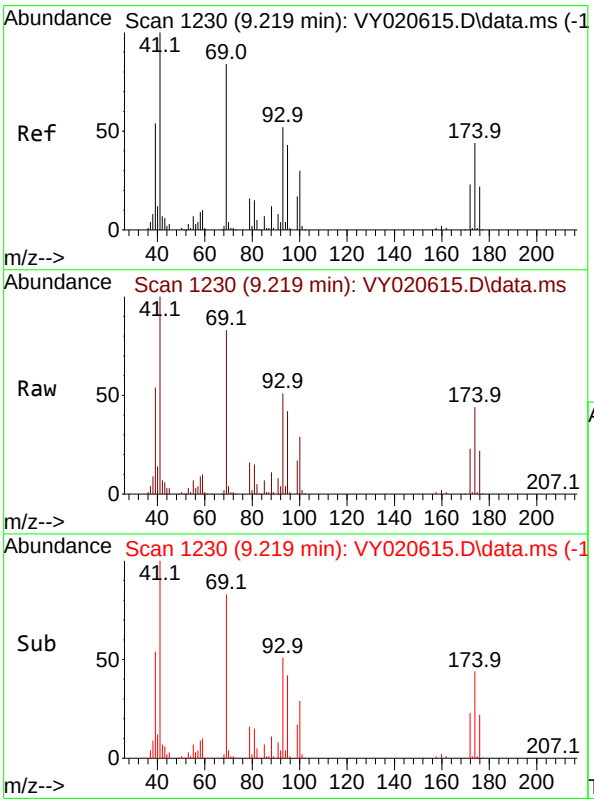
#47
Bromodichloromethane
Concen: 50.291 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

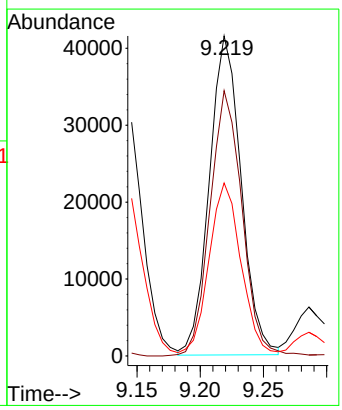


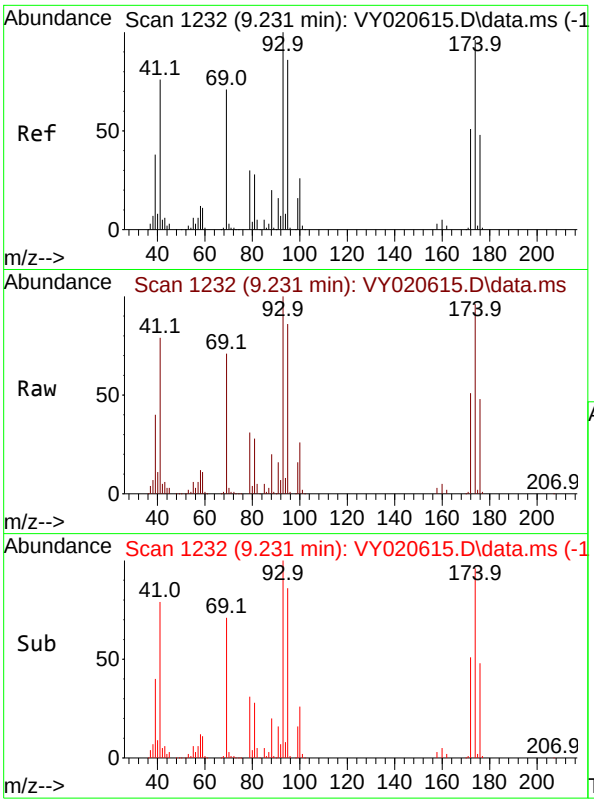


#48
Methyl methacrylate
Concen: 50.709 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



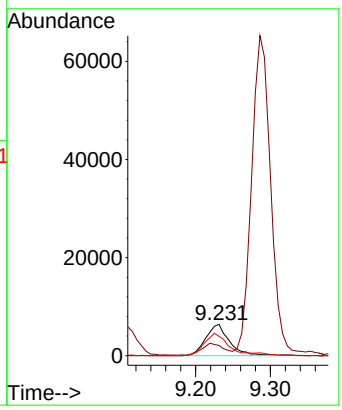


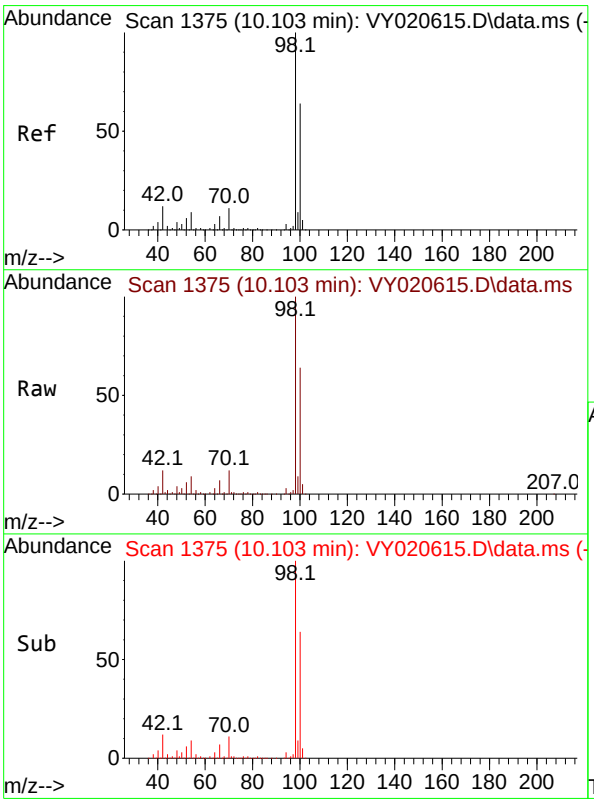
#49
1,4-Dioxane
Concen: 1001.939 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

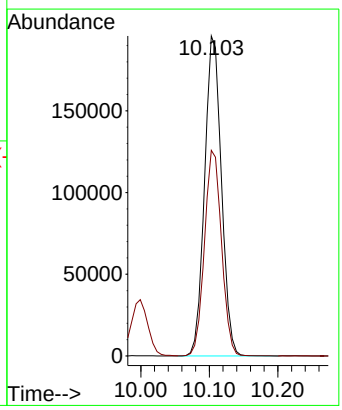


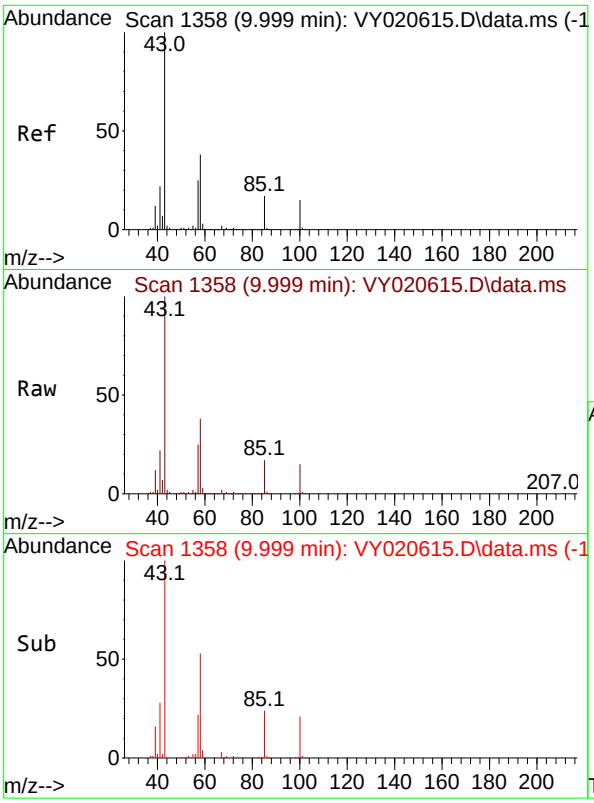


#50
Toluene-d8
Concen: 51.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 98 Resp: 334601

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



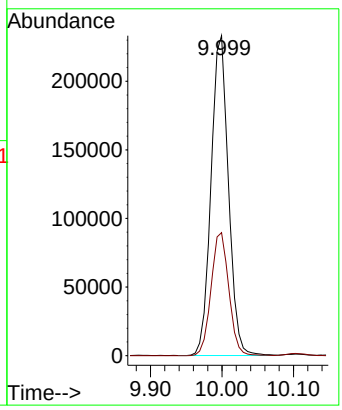


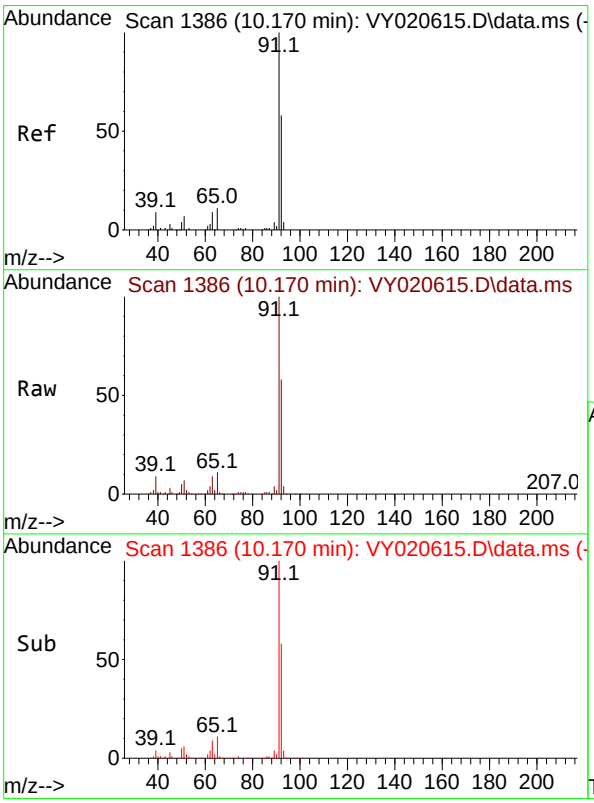
#51
4-Methyl-2-Pentanone
Concen: 247.835 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 393979

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

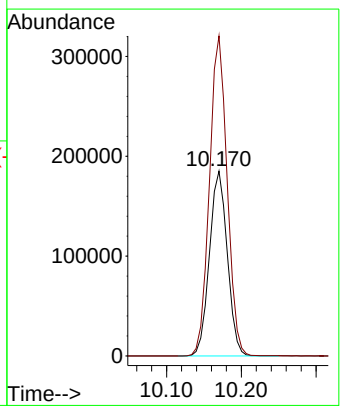


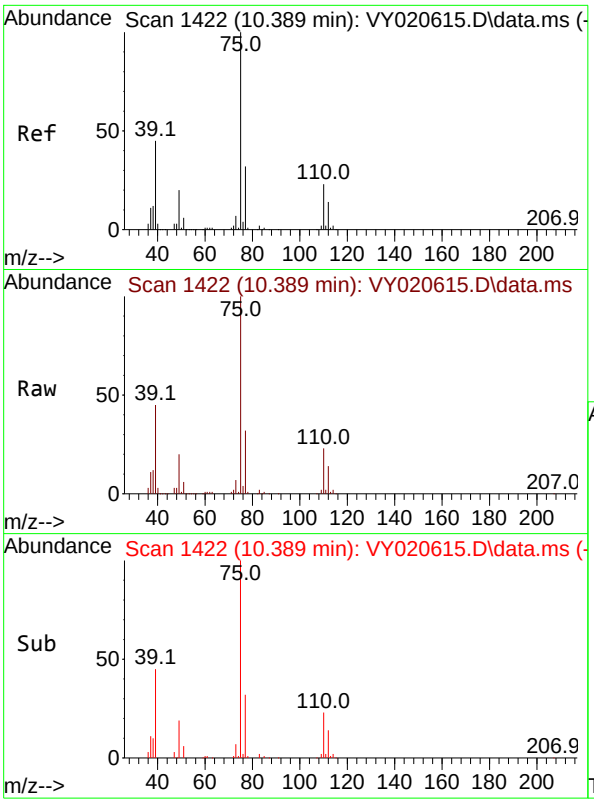


#52
Toluene
Concen: 49.846 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 92 Resp: 307082

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0



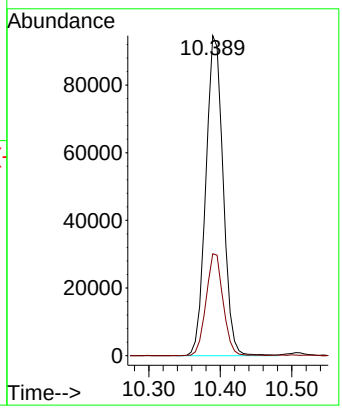


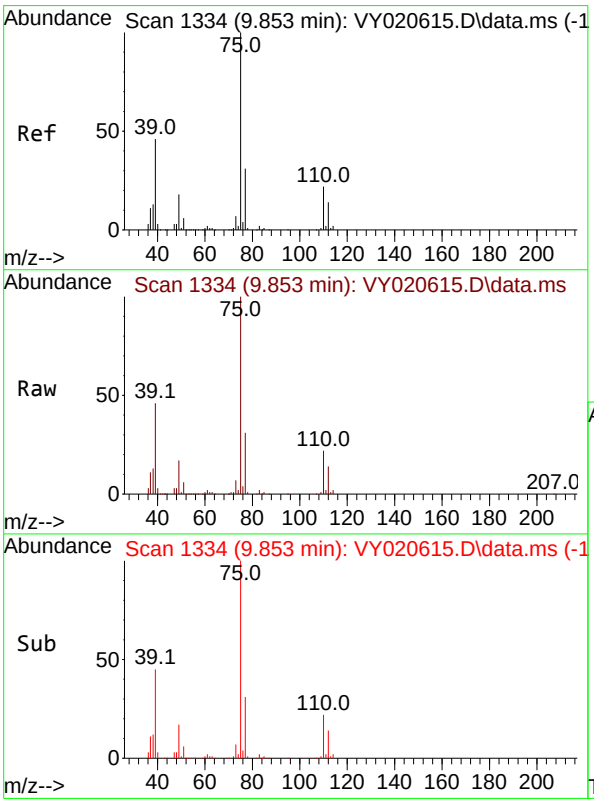
#53
t-1,3-Dichloropropene
Concen: 51.442 ug/l
RT: 10.389 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 158536

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

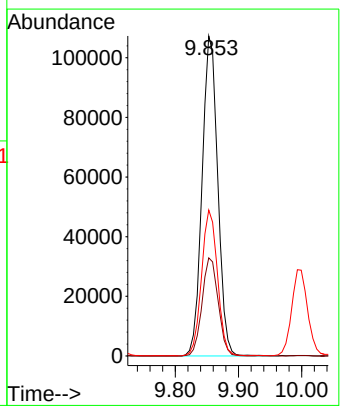


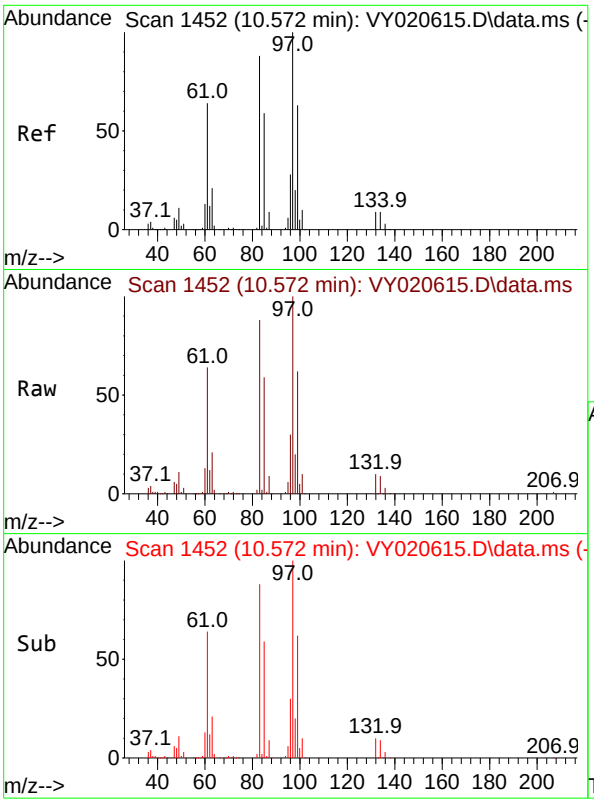


#54
cis-1,3-Dichloropropene
Concen: 50.849 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



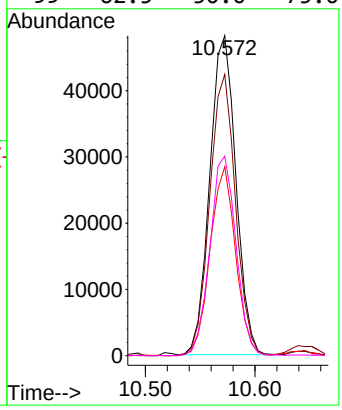


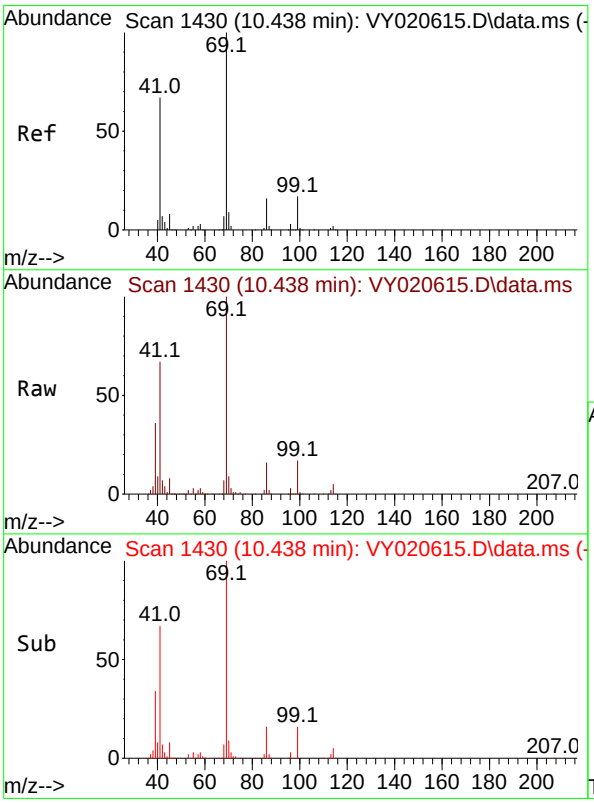
#55
1,1,2-Trichloroethane
Concen: 49.318 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

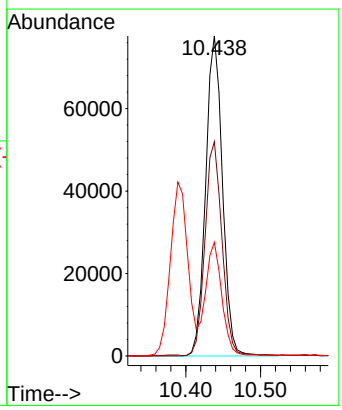


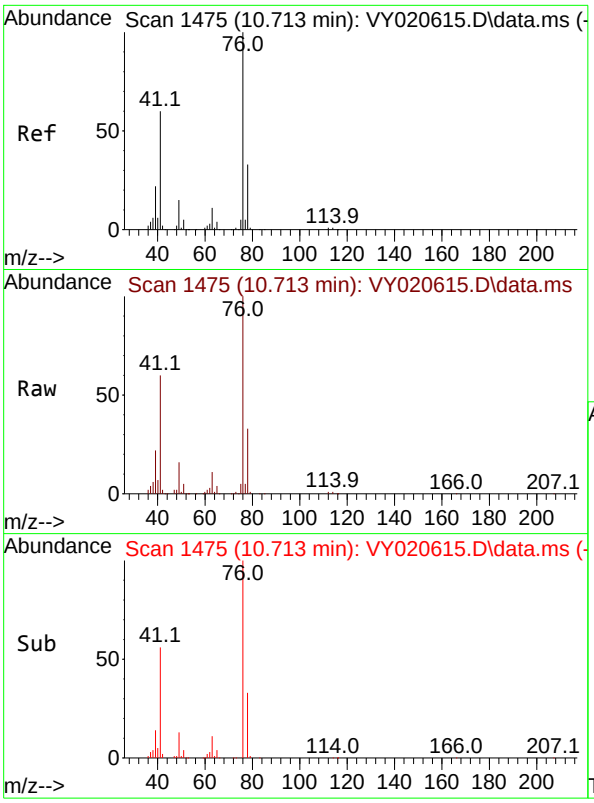


#56
Ethyl methacrylate
Concen: 51.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



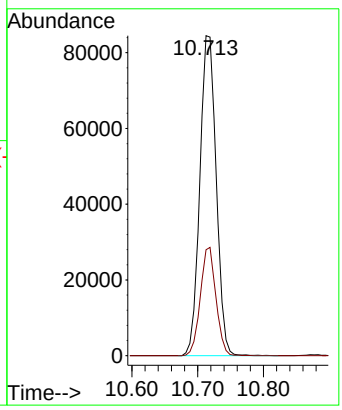


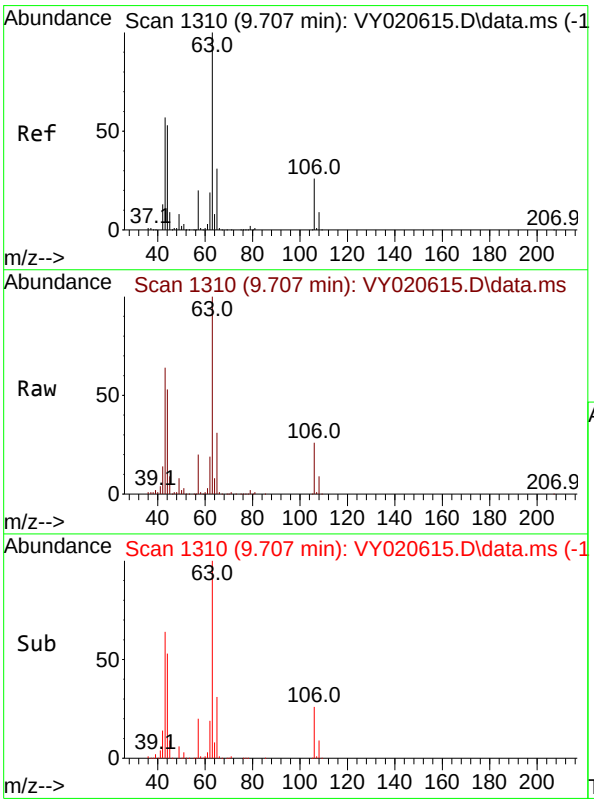
#57
1,3-Dichloropropane
Concen: 50.611 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 146053

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

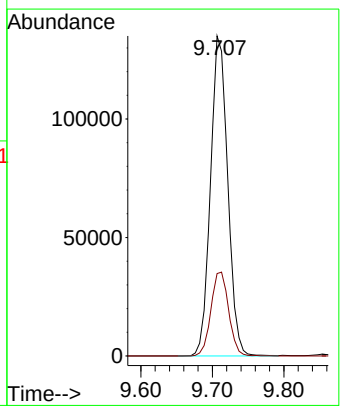


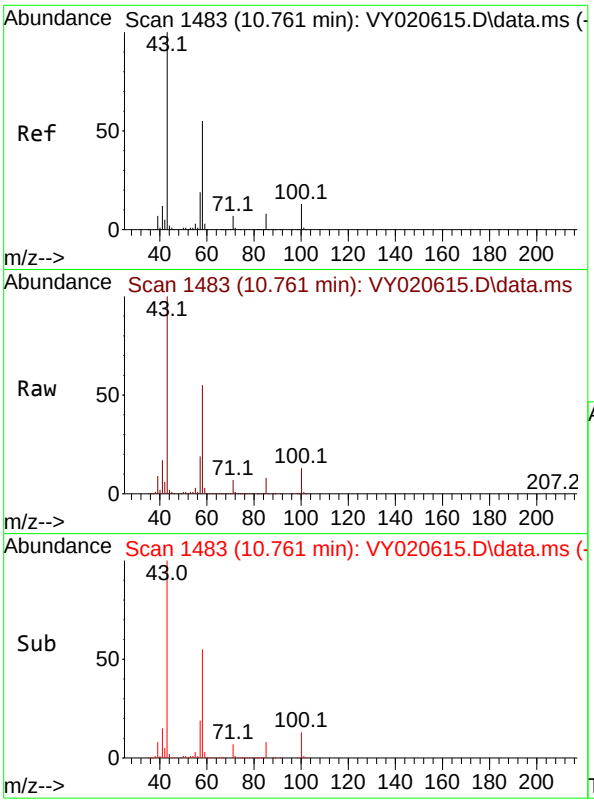


#58
2-Chloroethyl Vinyl ether
Concen: 228.767 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 226061

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



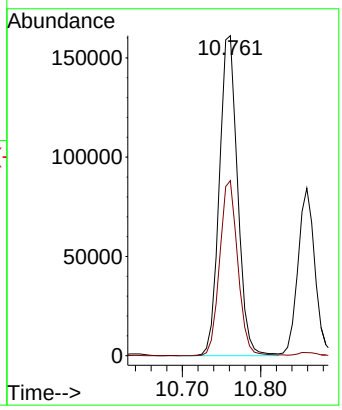


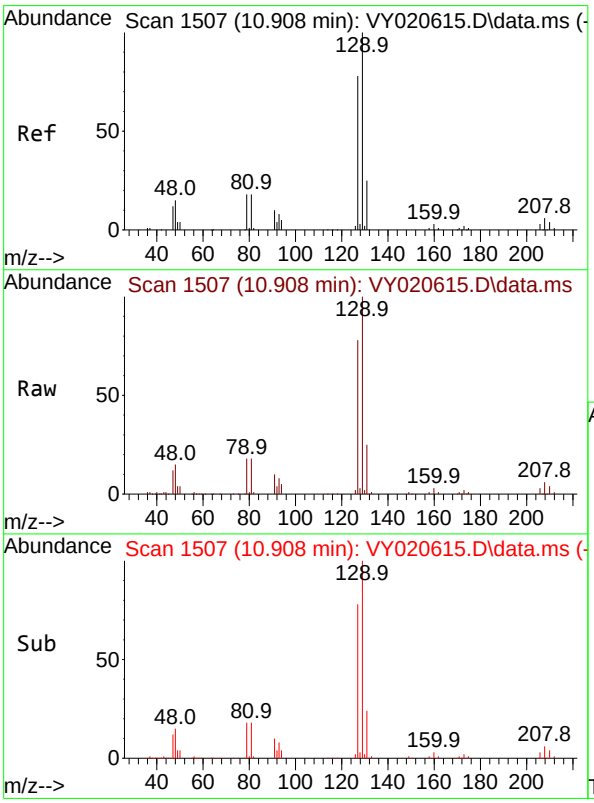
#59
2-Hexanone
Concen: 256.048 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 261334

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.2	81.6

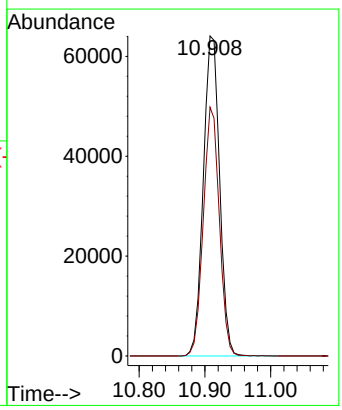


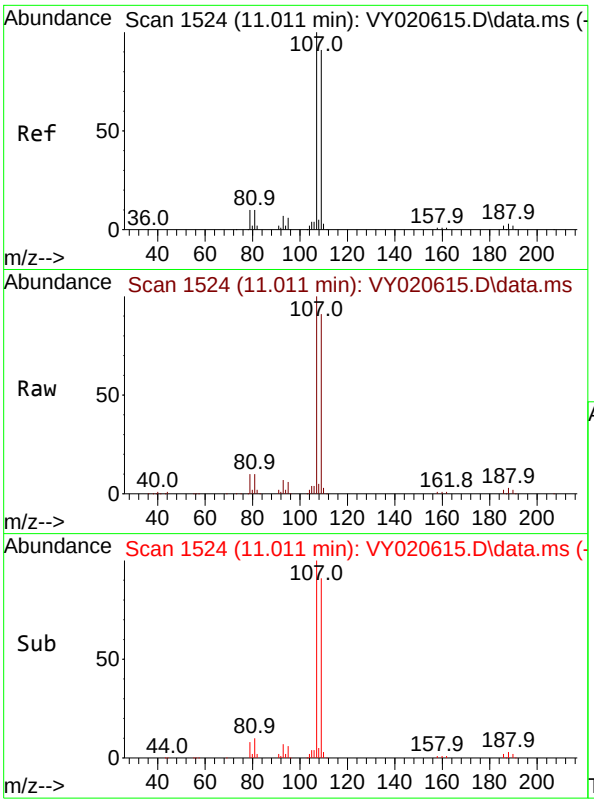


#60
Dibromochloromethane
Concen: 51.085 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:129 Resp: 110597

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3



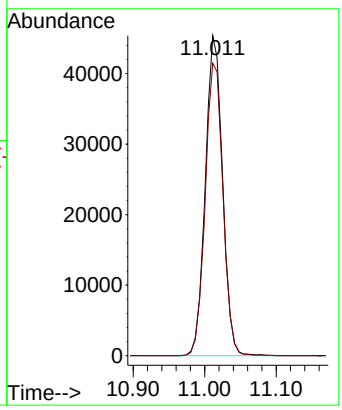


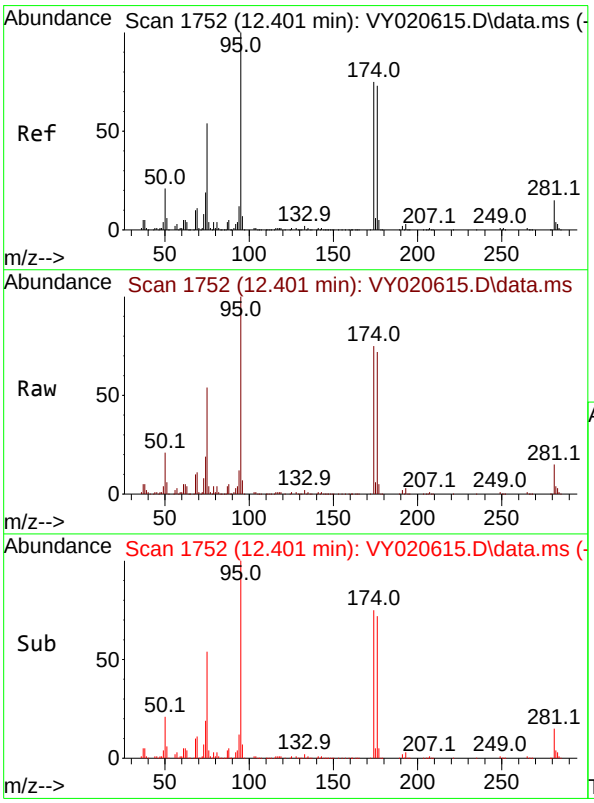
#61
1,2-Dibromoethane
Concen: 50.346 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 75811

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

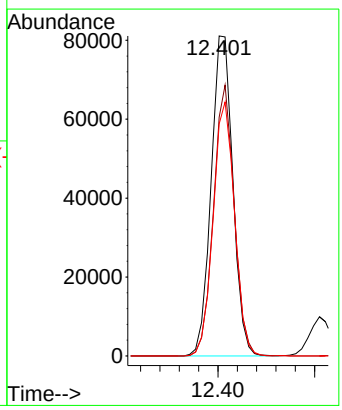


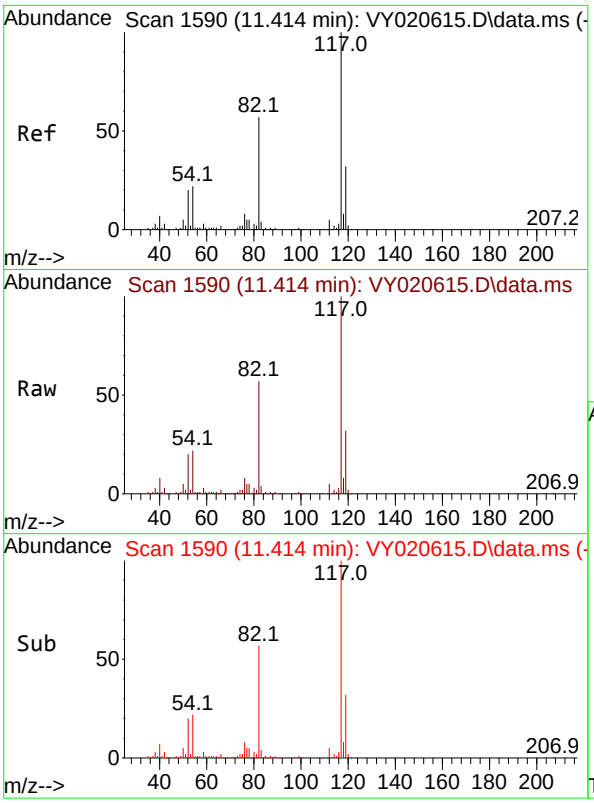


#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



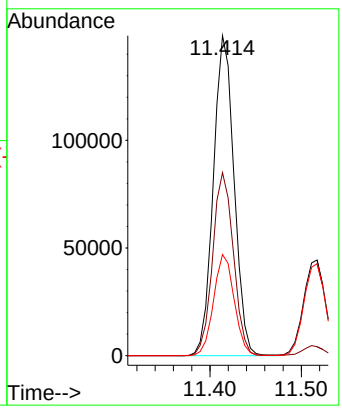


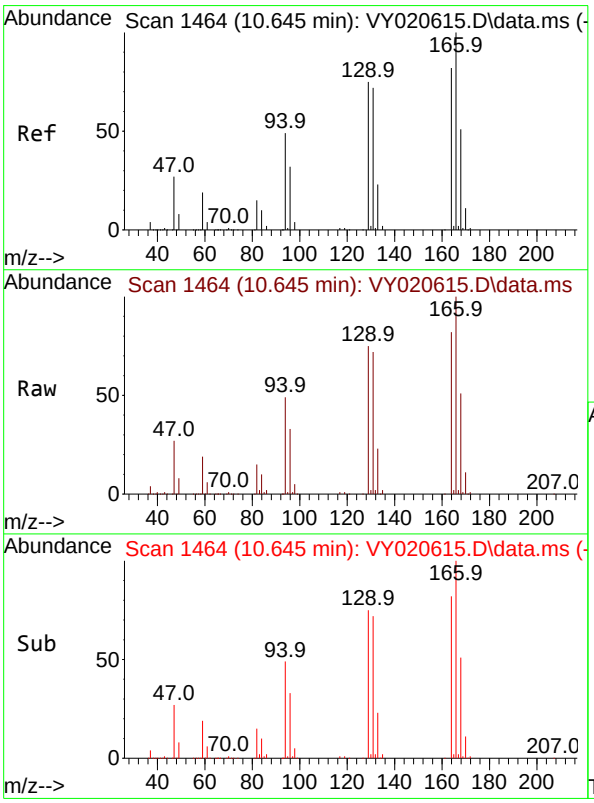
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

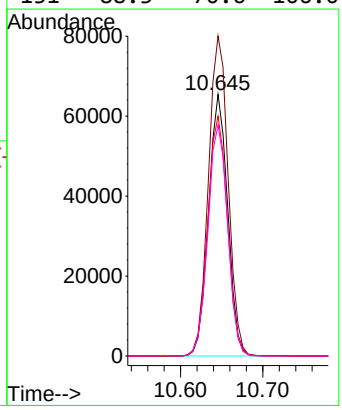


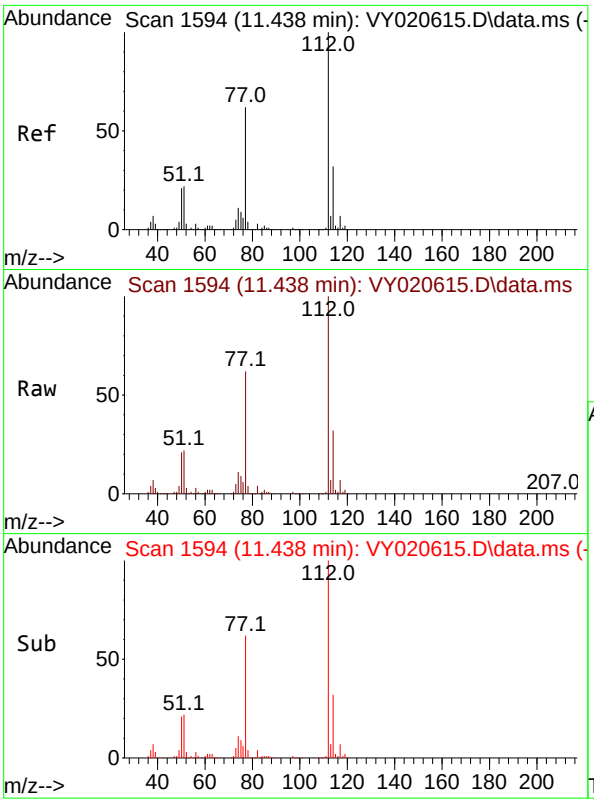


#64
Tetrachloroethene
Concen: 48.065 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



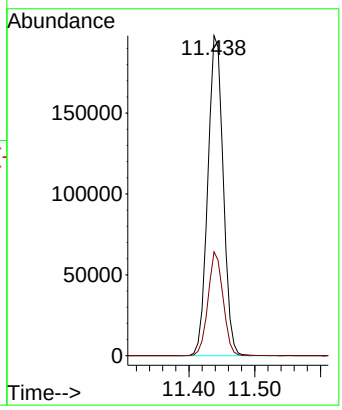


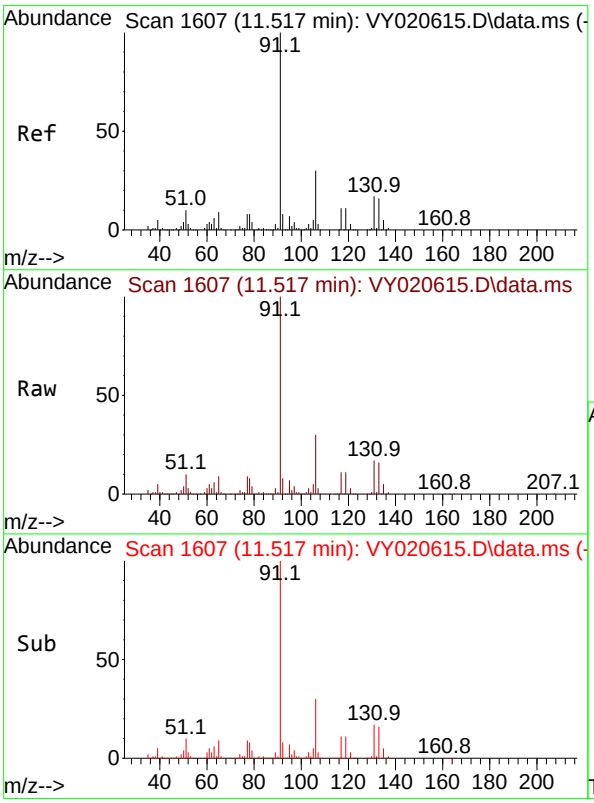
#65
Chlorobenzene
Concen: 49.154 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 322053

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

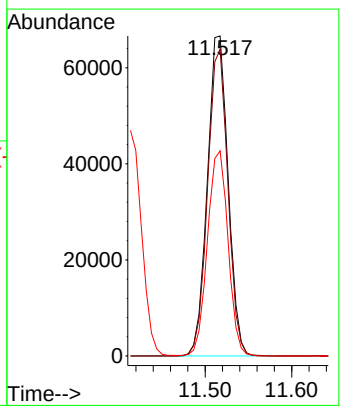


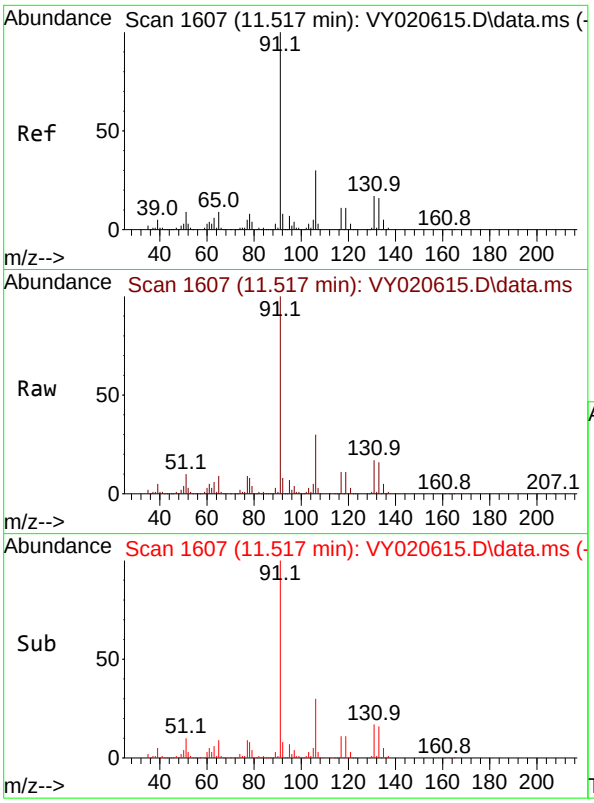


#66
1,1,1,2-Tetrachloroethane
Concen: 49.571 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



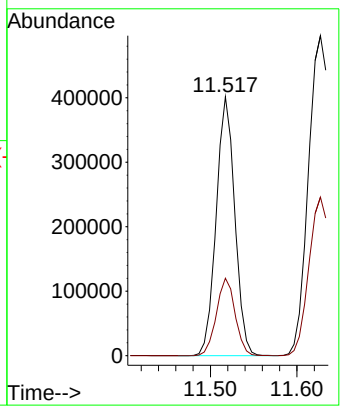


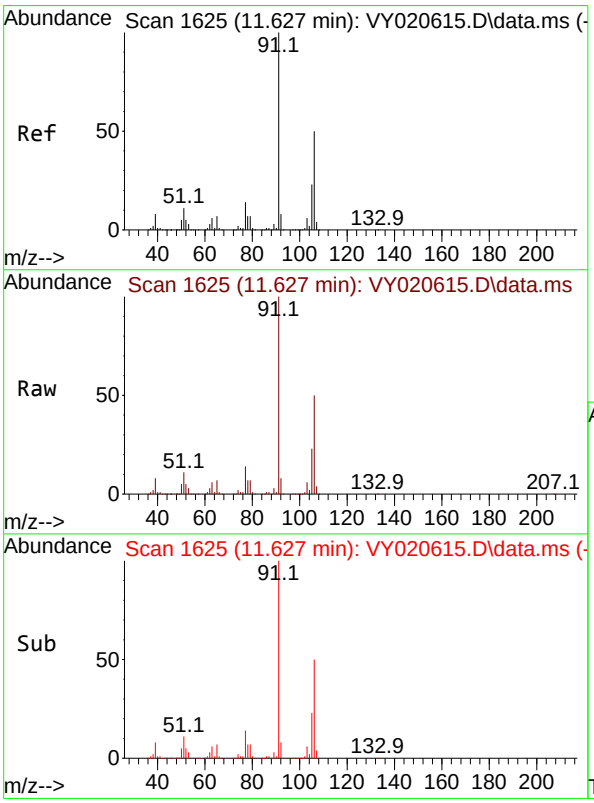
#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 598896

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

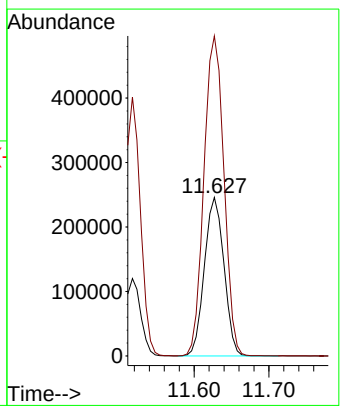


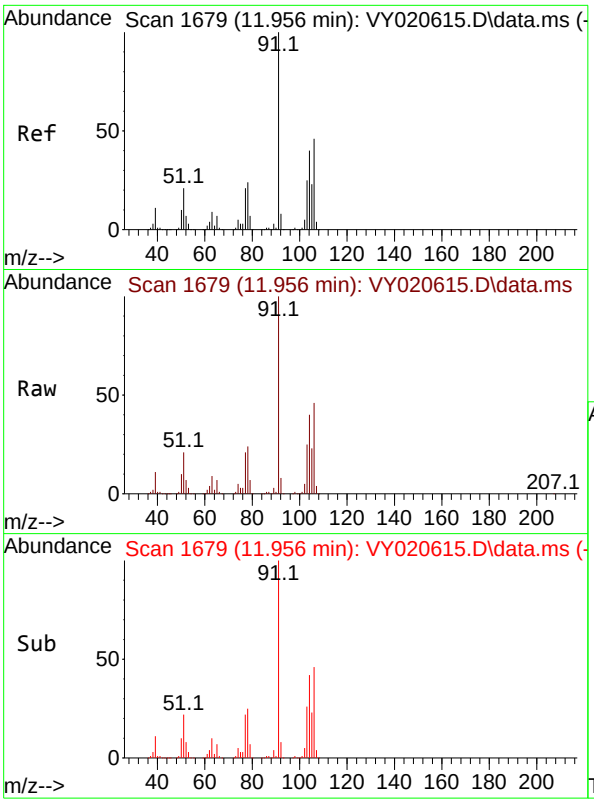


#68
m/p-Xylenes
Concen: 99.408 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:106 Resp: 446771

Ion	Ratio	Lower	Upper
106	100		
91	206.2	165.0	247.4



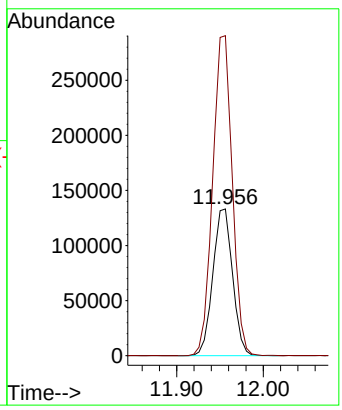


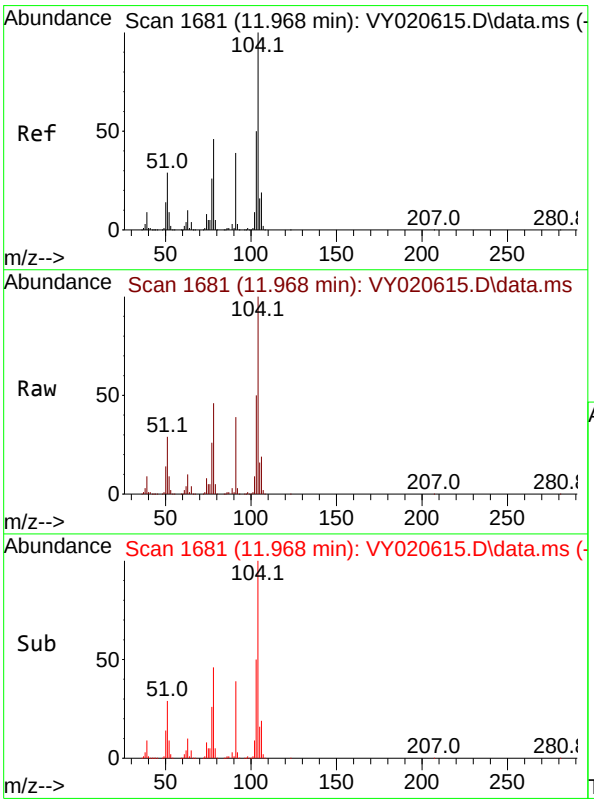
#69
o-Xylene
Concen: 50.198 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 210499

Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.4	325.2

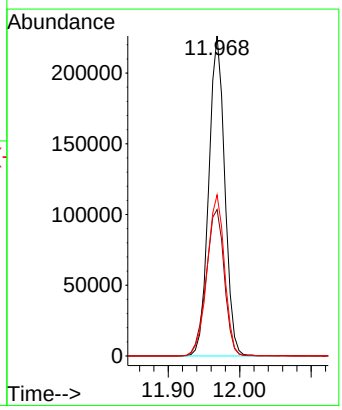


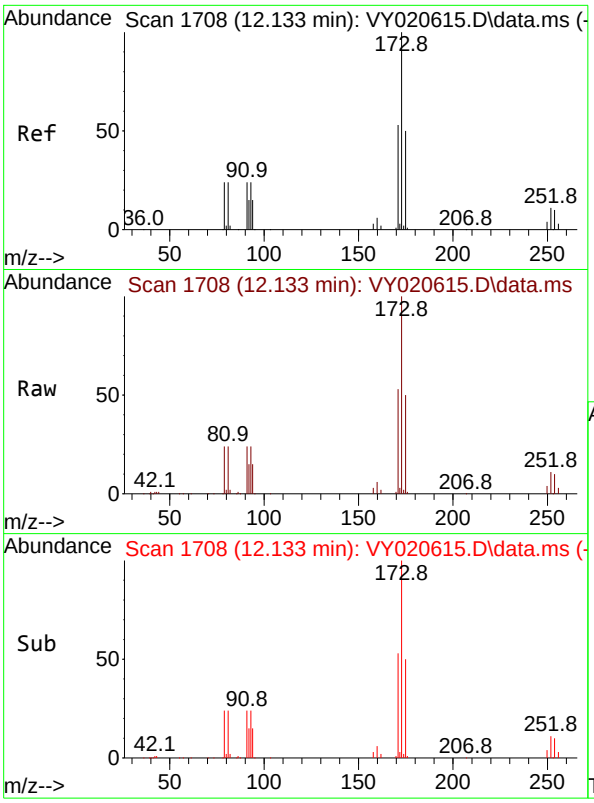


#70
Styrene
Concen: 50.222 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



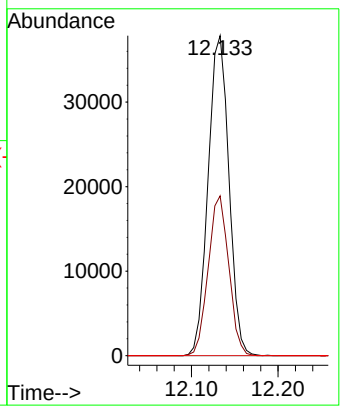


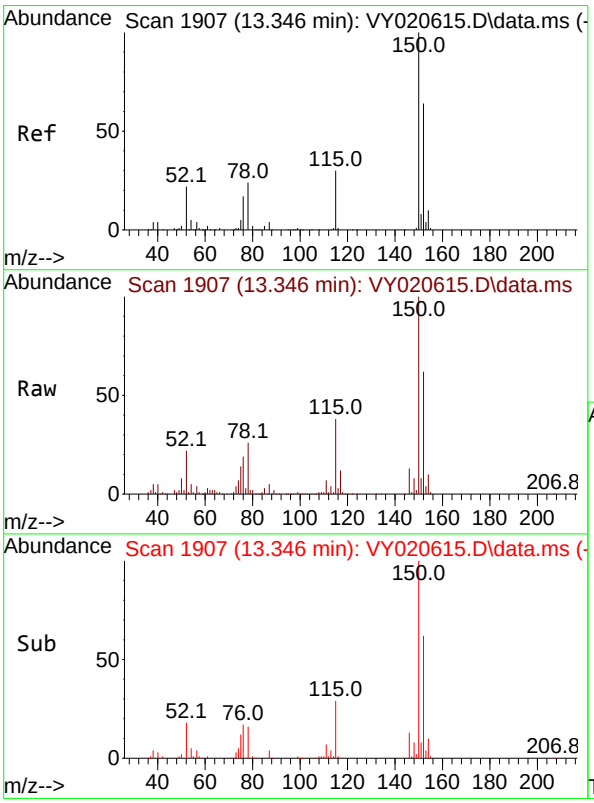
#71
Bromoform
Concen: 50.171 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

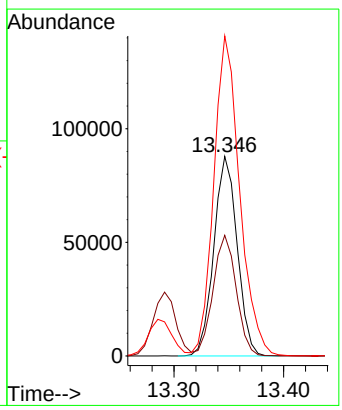


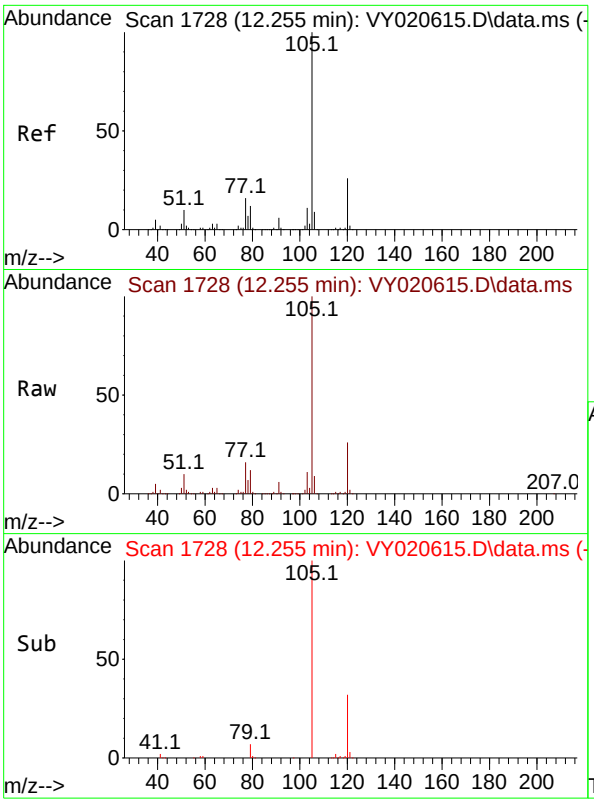


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



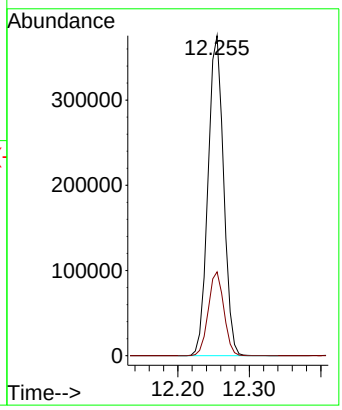


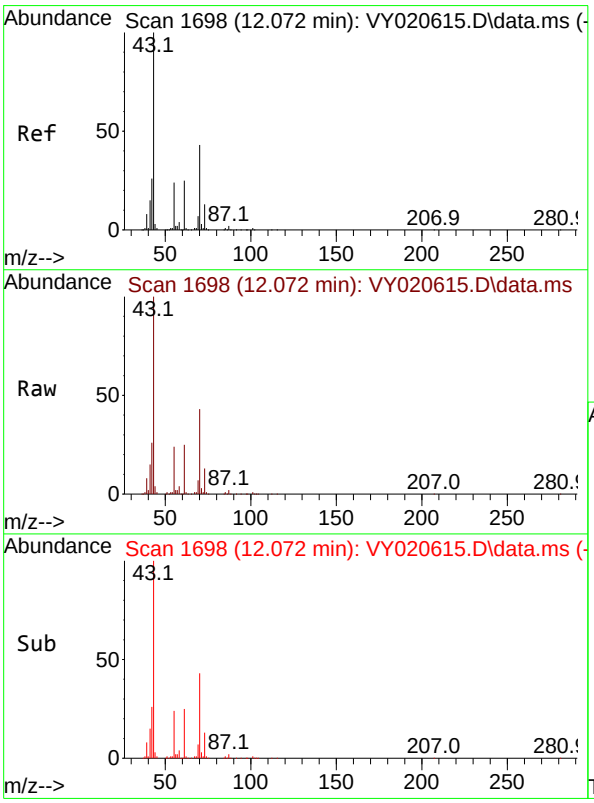
#73
Isopropylbenzene
Concen: 49.914 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 566646

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

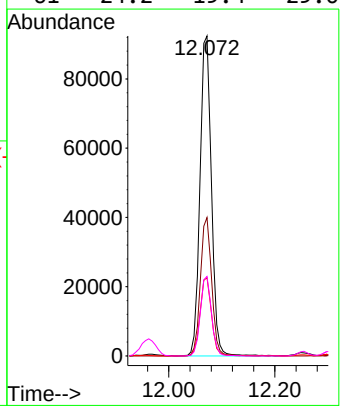


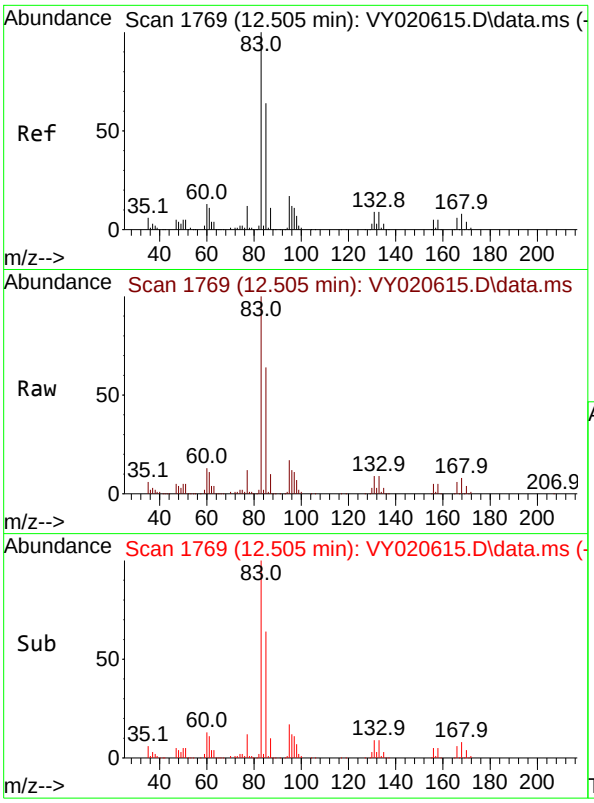


#74
N-amyl acetate
Concen: 52.254 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



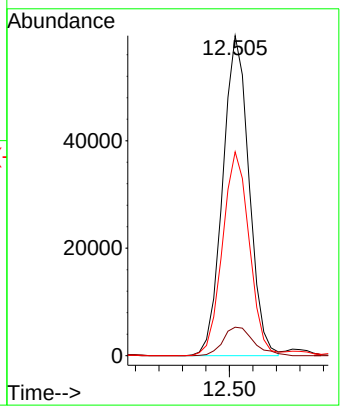


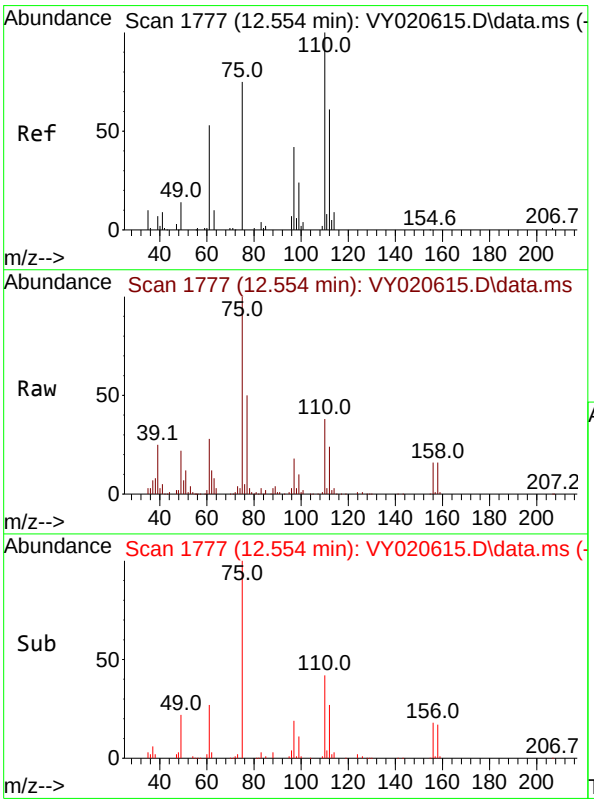
#75
1,1,2,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

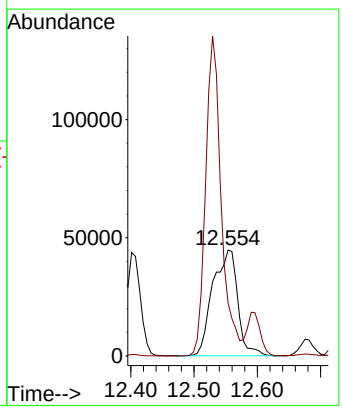


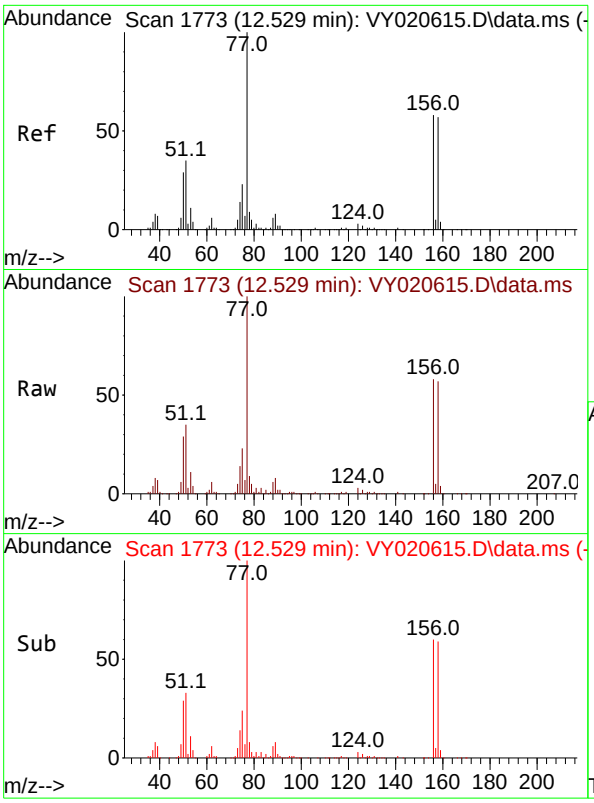


#76
1,2,3-Trichloropropane
Concen: 91.339 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 122382

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



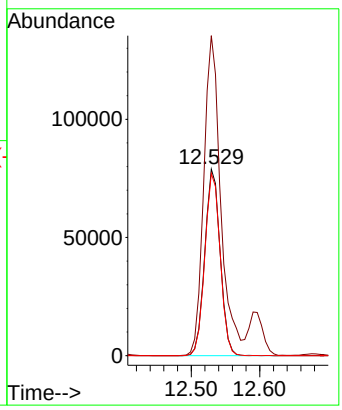


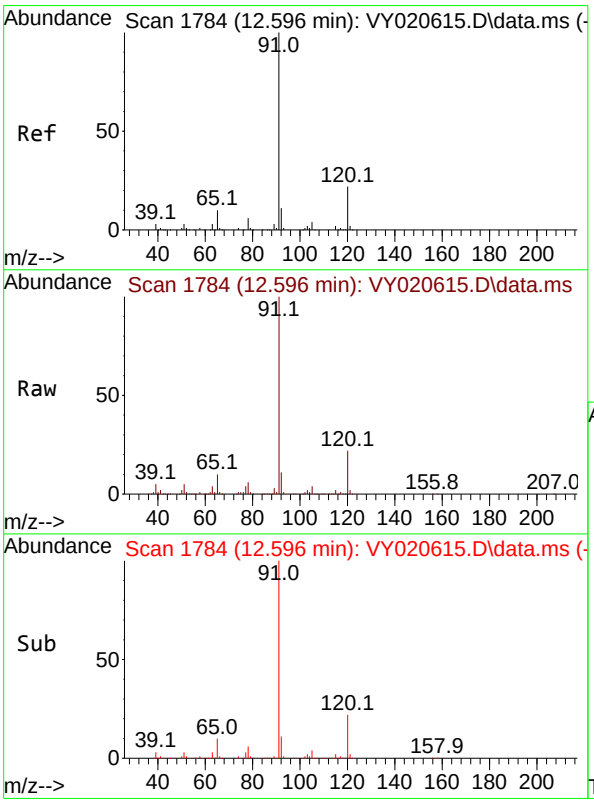
#77
Bromobenzene
Concen: 49.842 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

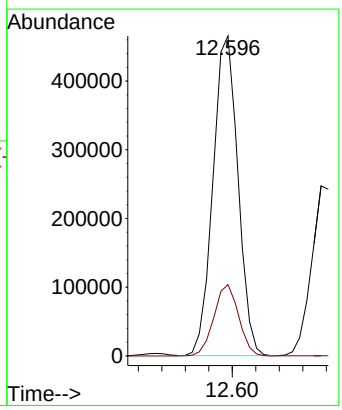


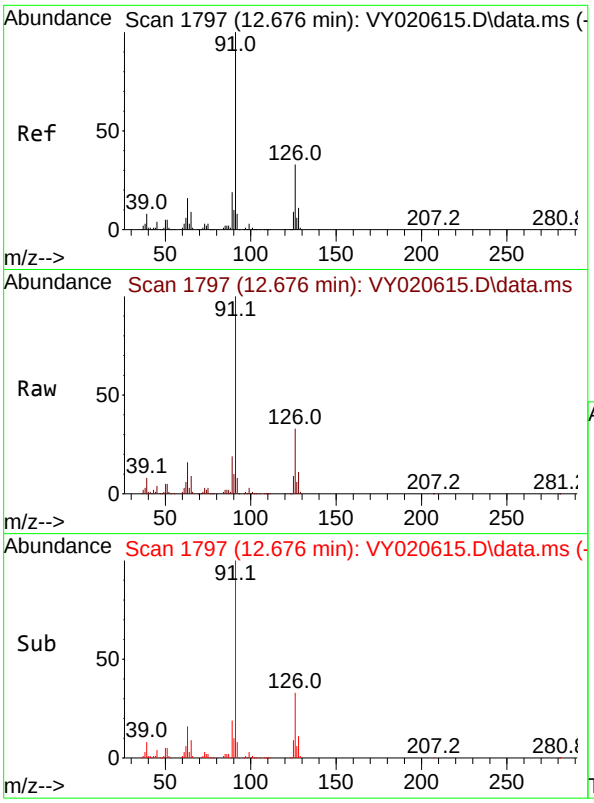


#78
n-propylbenzene
Concen: 50.251 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 687319

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



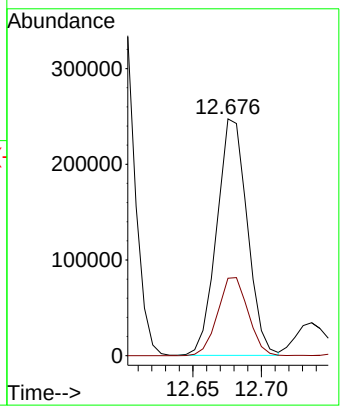


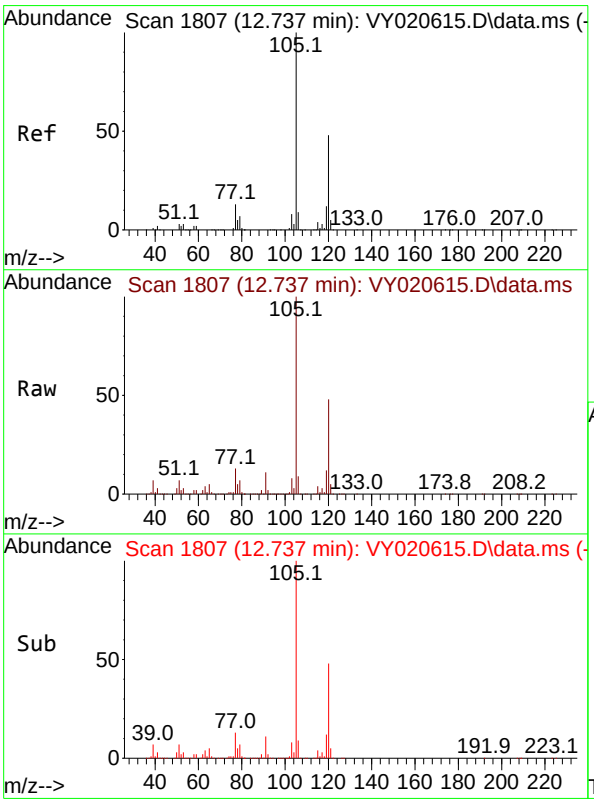
#79
2-Chlorotoluene
Concen: 49.707 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 382511

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

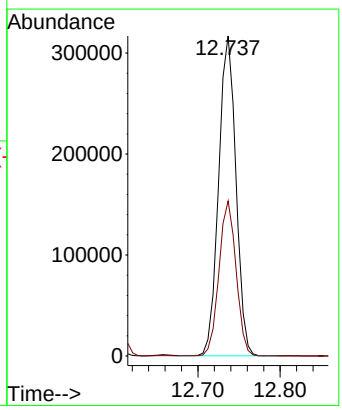


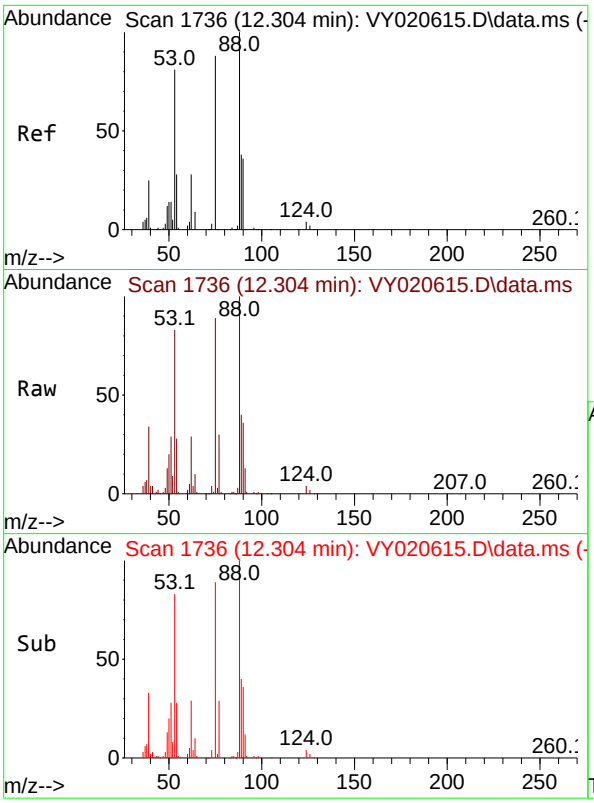


#80
1,3,5-Trimethylbenzene
Concen: 50.279 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 463155

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



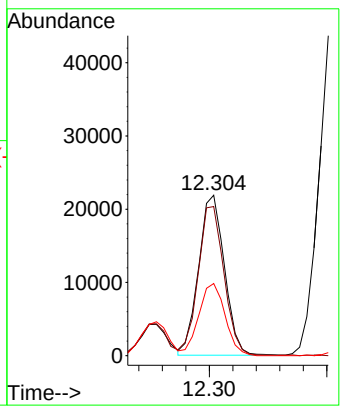


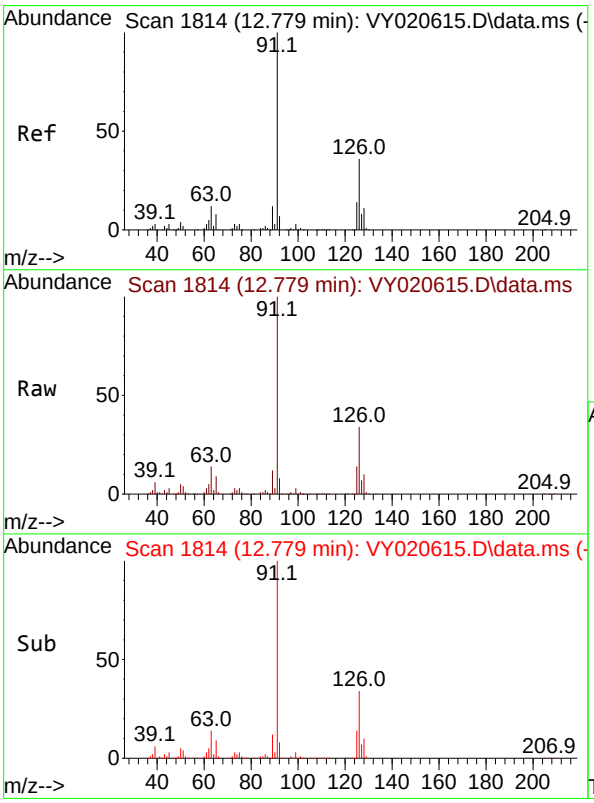
#81
trans-1,4-Dichloro-2-butene
Concen: 51.816 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

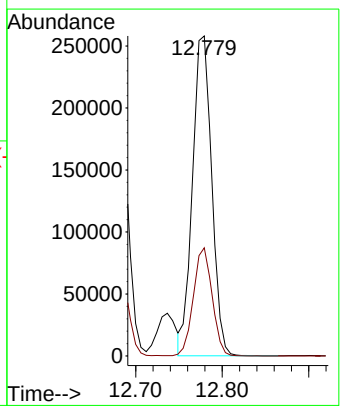


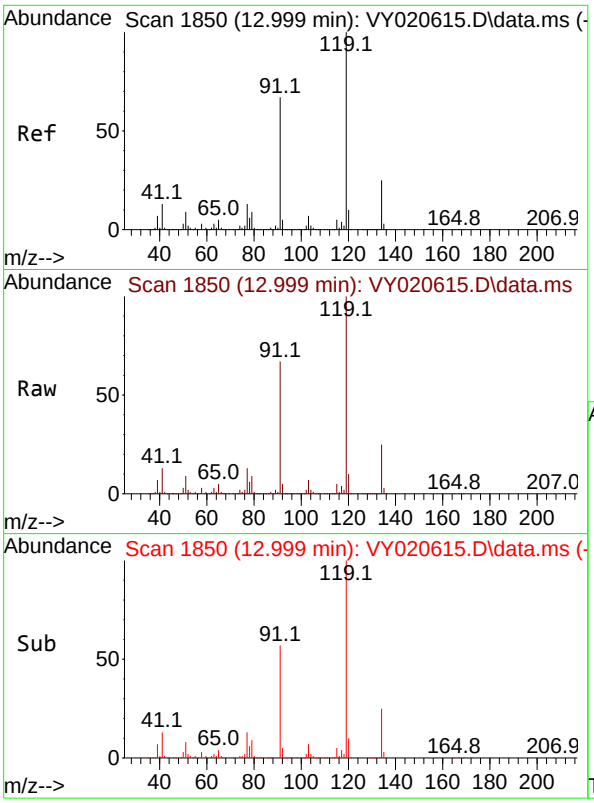


#82
4-Chlorotoluene
Concen: 49.848 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 397958

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



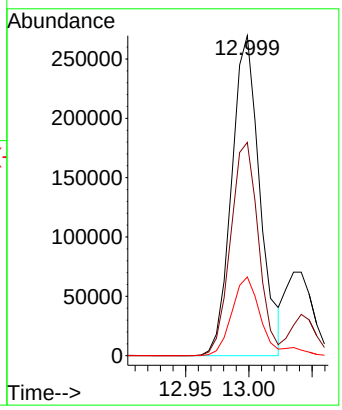


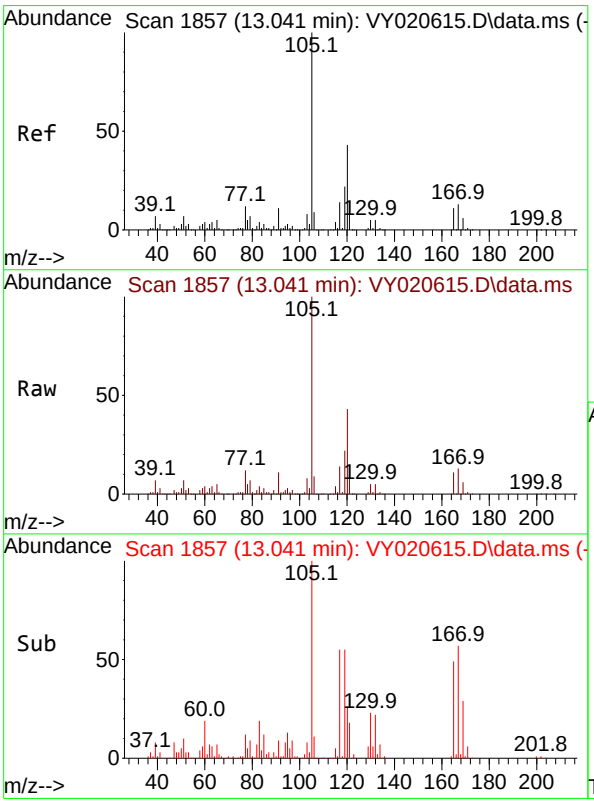
#83
tert-Butylbenzene
Concen: 50.127 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

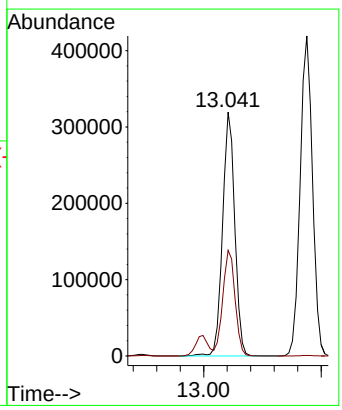


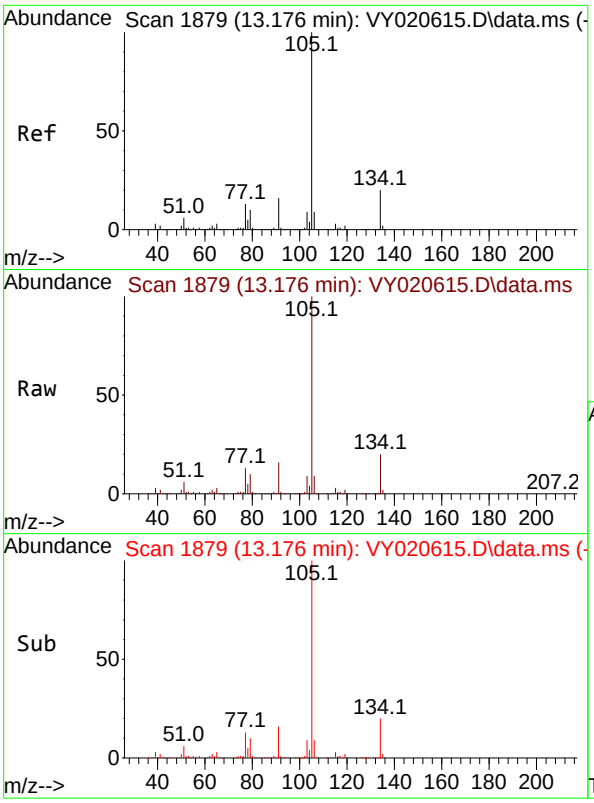


#84
1,2,4-Trimethylbenzene
Concen: 50.907 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 459974

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



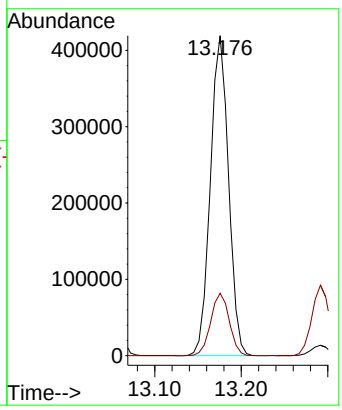


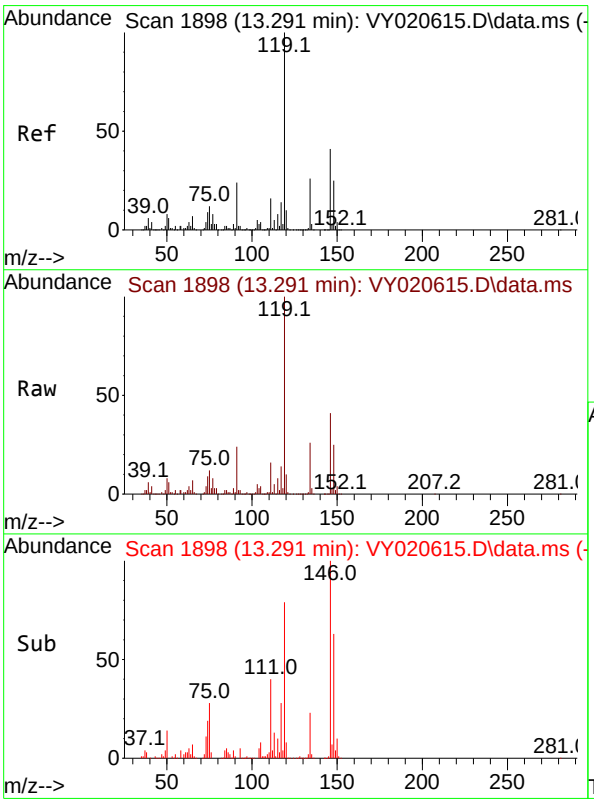
#85
sec-Butylbenzene
Concen: 50.301 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 610142

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

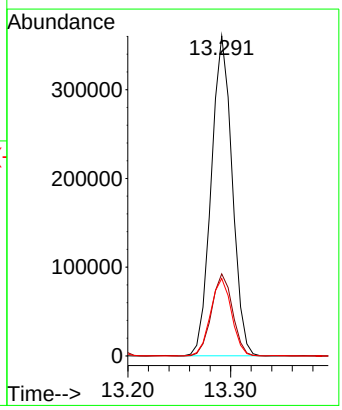


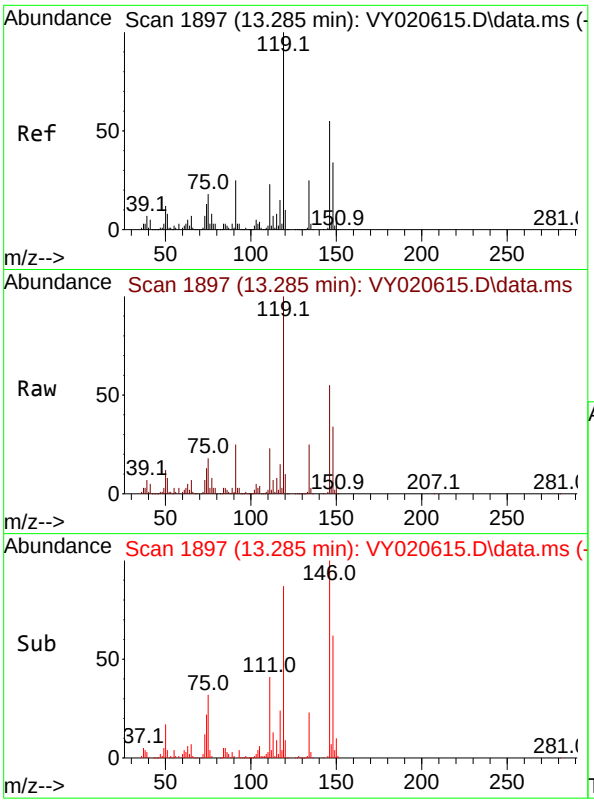


#86
p-Isopropyltoluene
Concen: 50.941 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



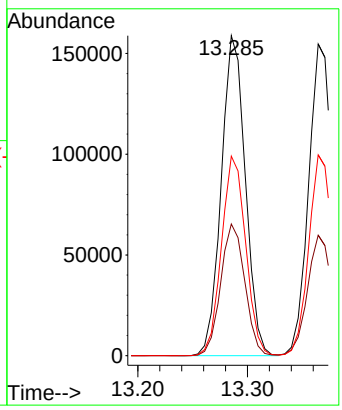


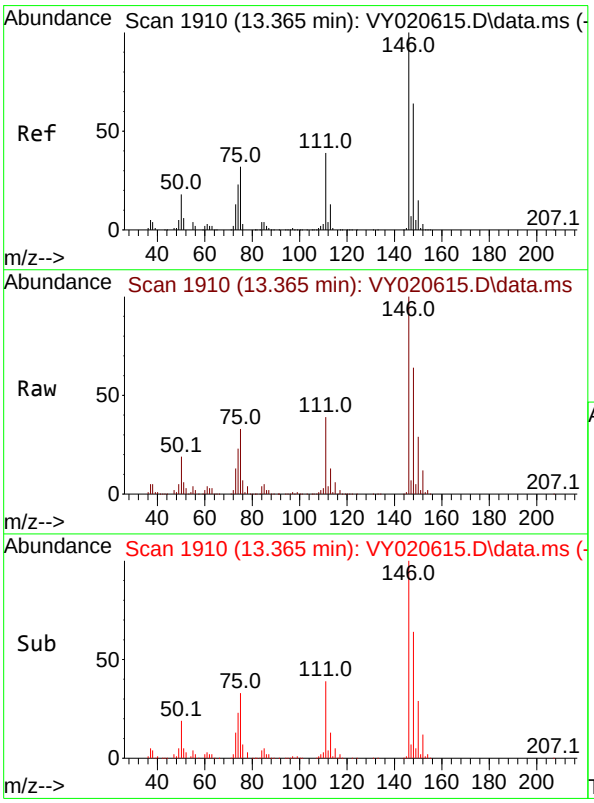
#87
1,3-Dichlorobenzene
Concen: 49.677 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

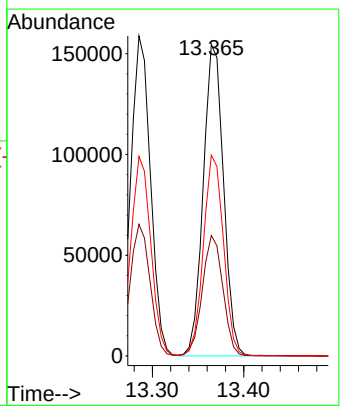


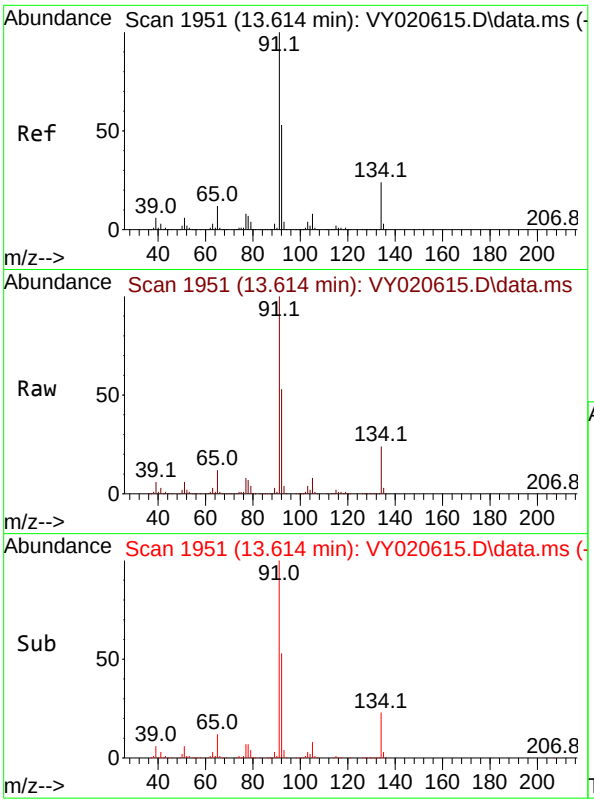


#88
1,4-Dichlorobenzene
Concen: 49.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



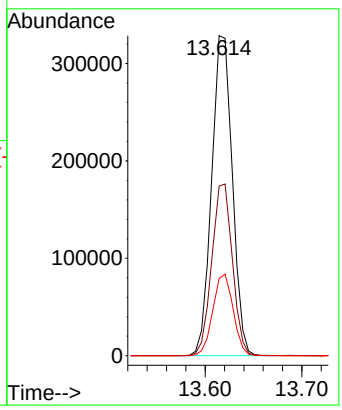


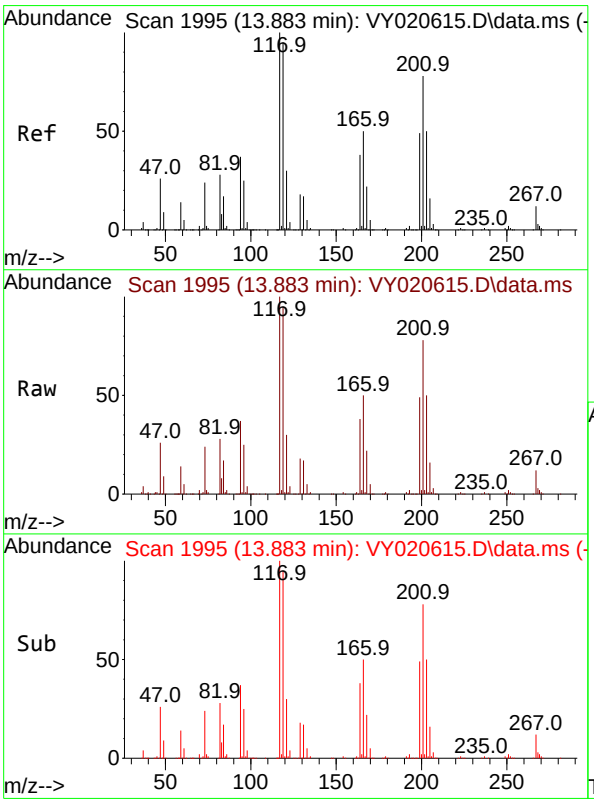
#89
n-Butylbenzene
Concen: 51.461 ug/l
RT: 13.614 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

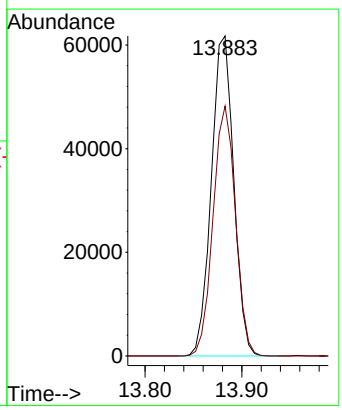


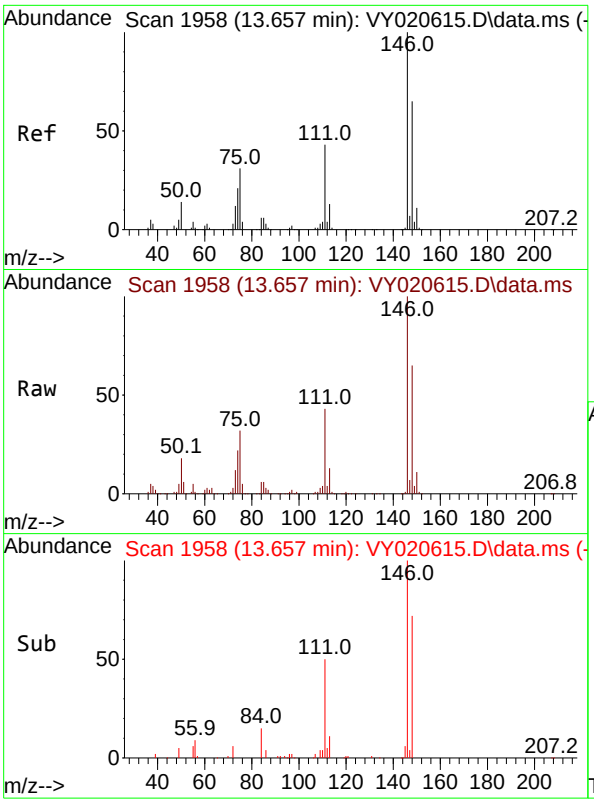


#90
Hexachloroethane
Concen: 50.134 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 99360

Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3



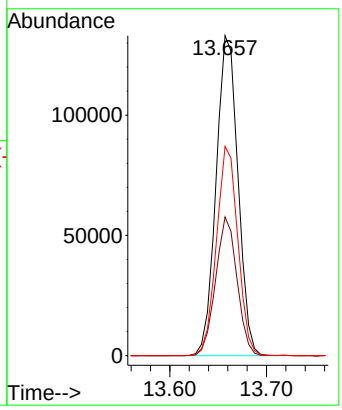


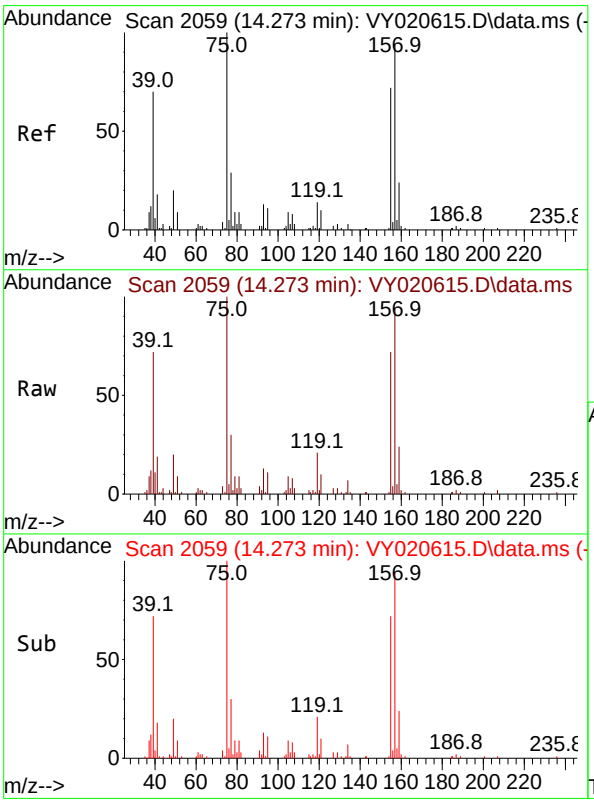
#91
1,2-Dichlorobenzene
Concen: 49.409 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

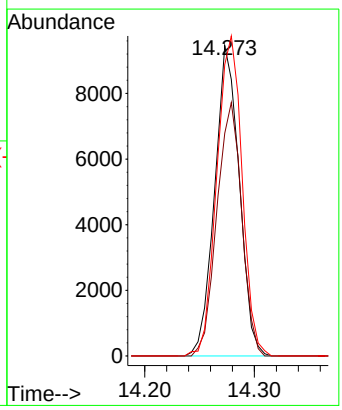


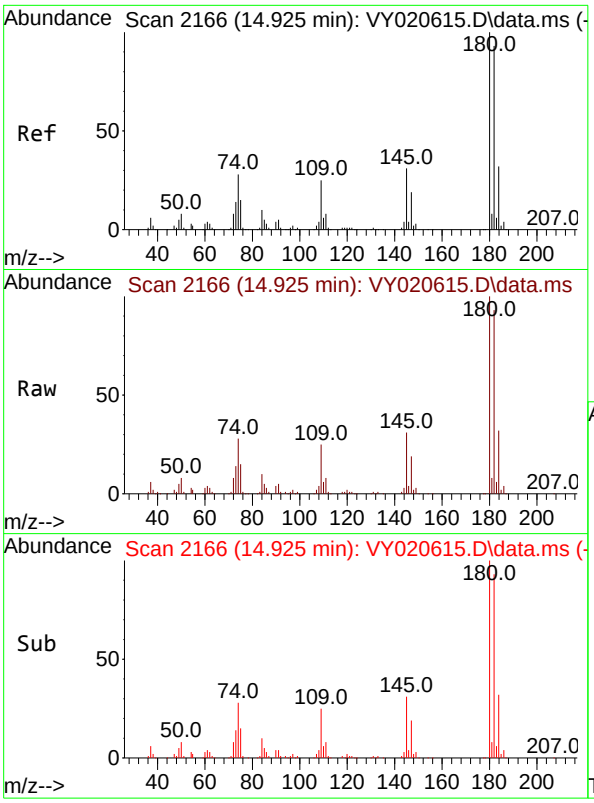


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



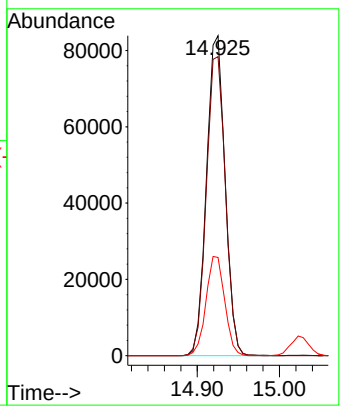


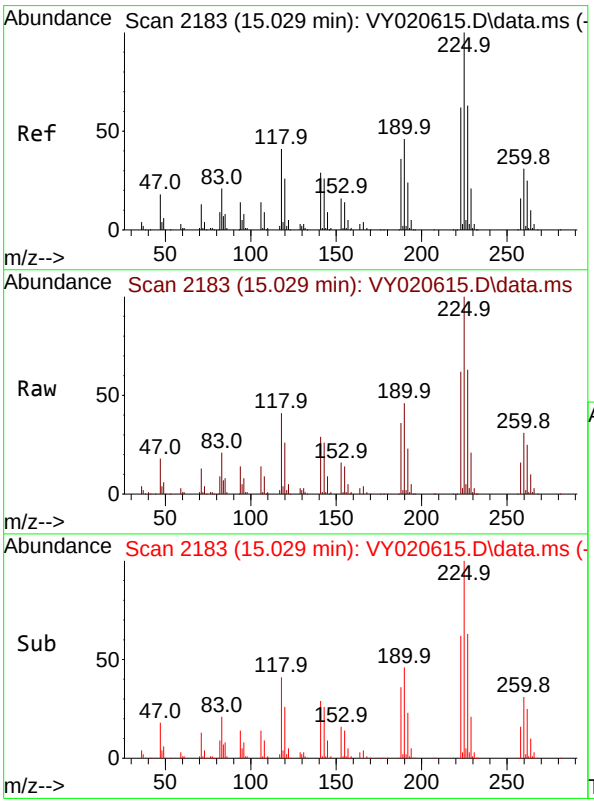
#93
1,2,4-Trichlorobenzene
Concen: 51.538 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

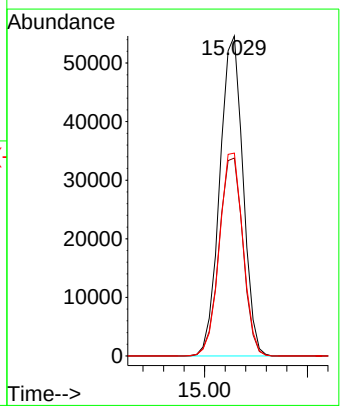


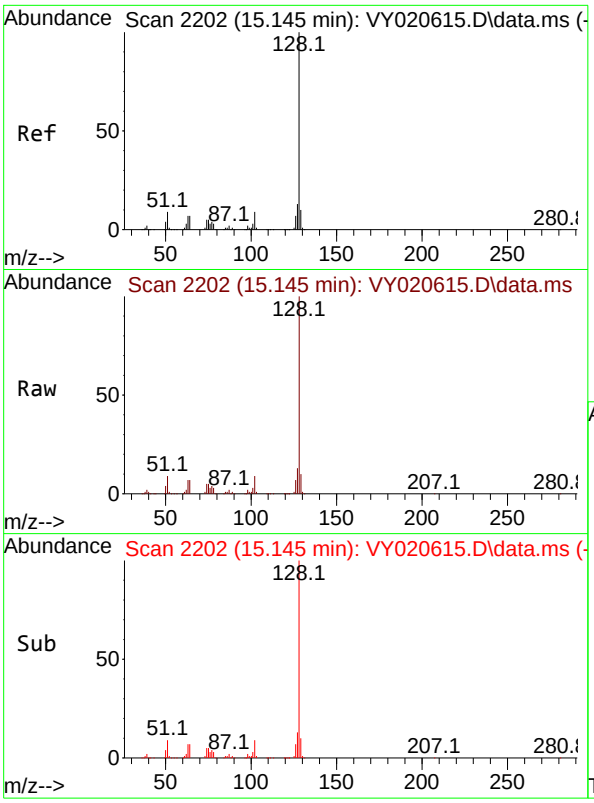


#94
Hexachlorobutadiene
Concen: 51.117 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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



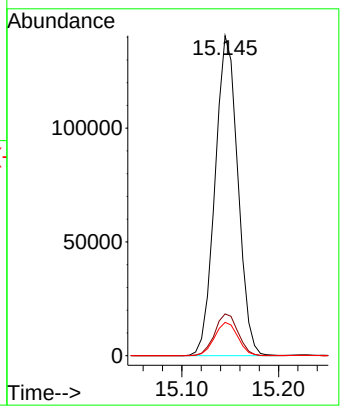


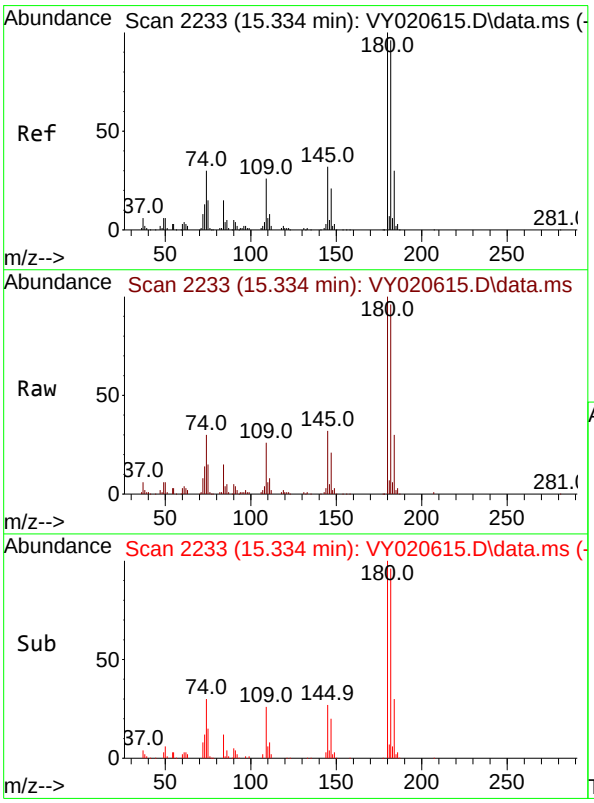
#95
Naphthalene
Concen: 52.434 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

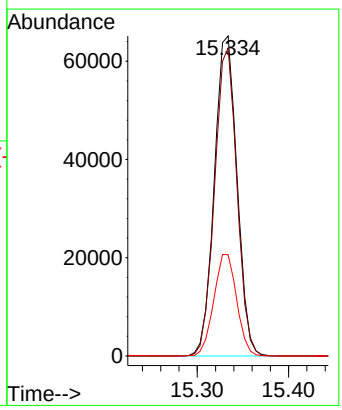




#96
1,2,3-Trichlorobenzene
Concen: 51.976 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

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

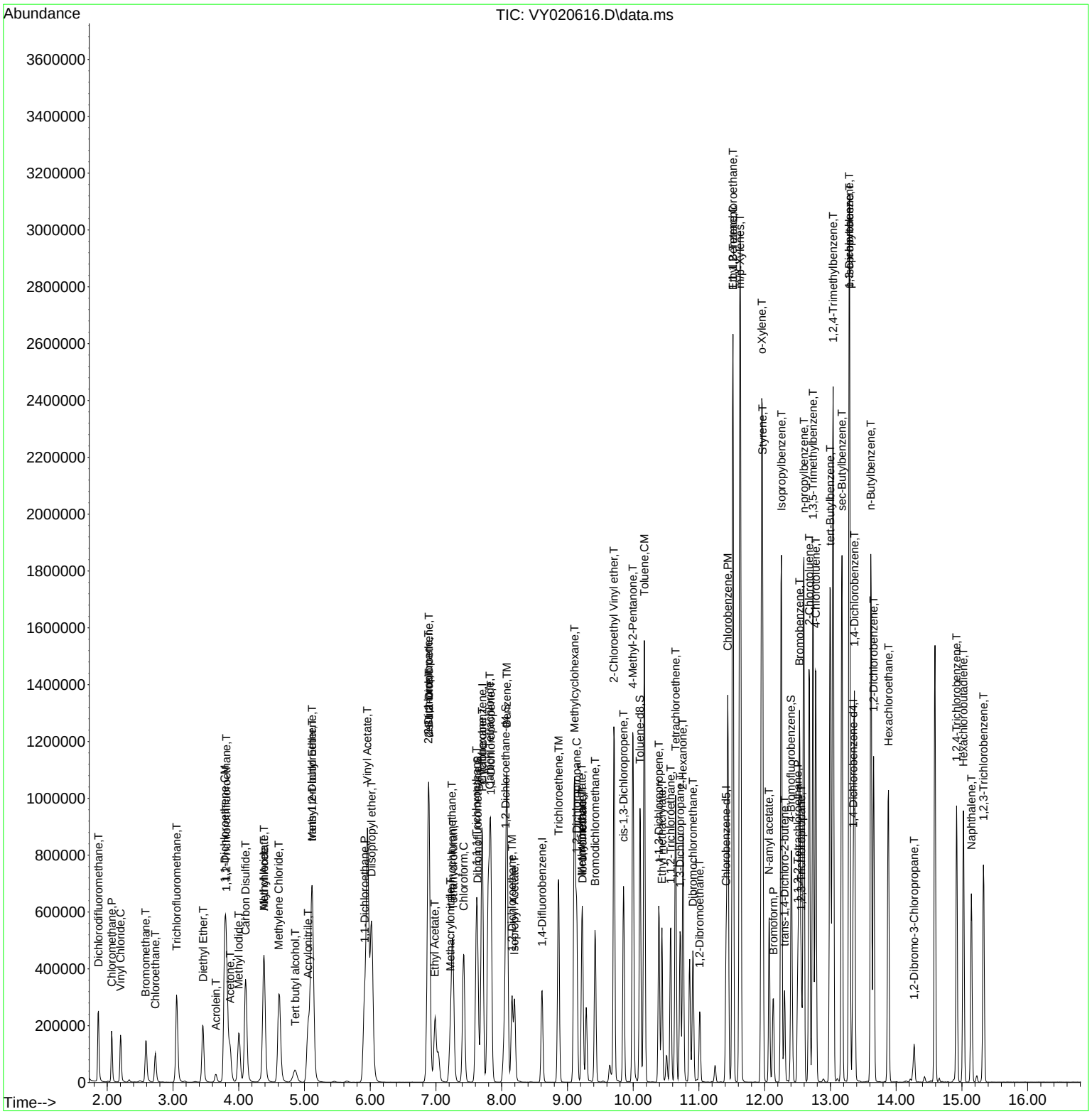
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

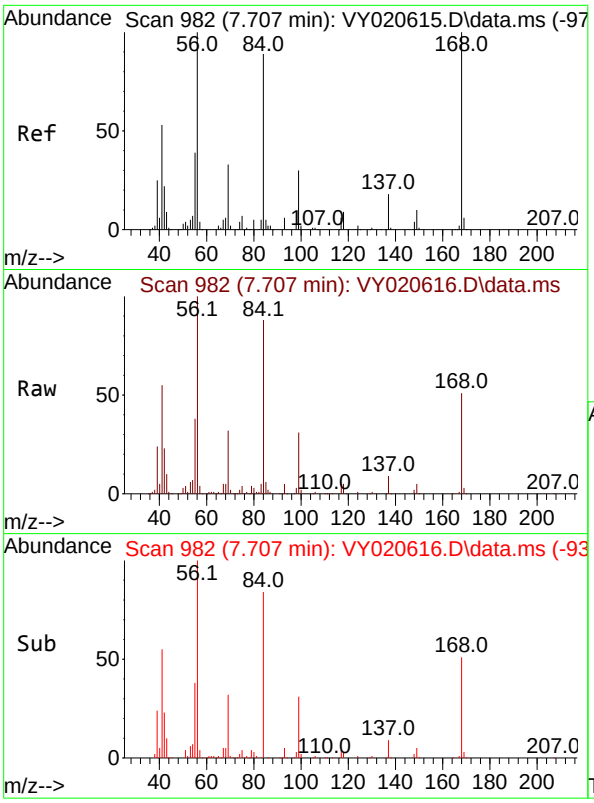
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



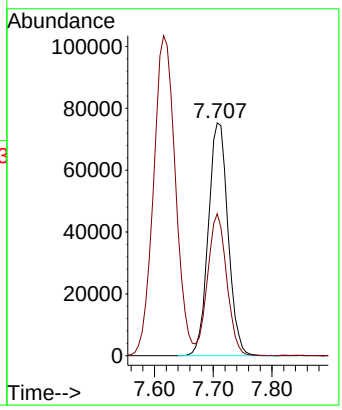


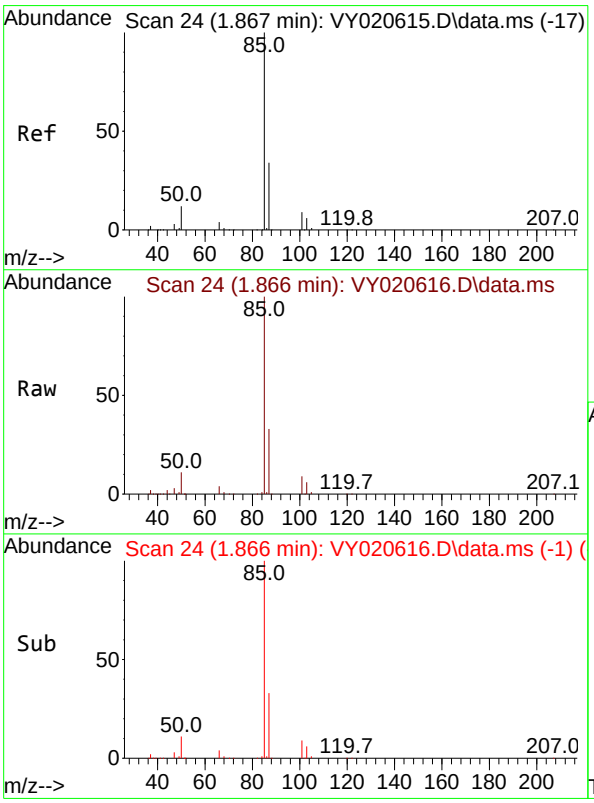
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 175469

Ion	Ratio	Lower	Upper
168	100		
99	61.0	47.0	70.6

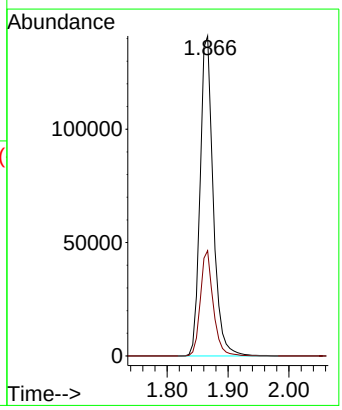


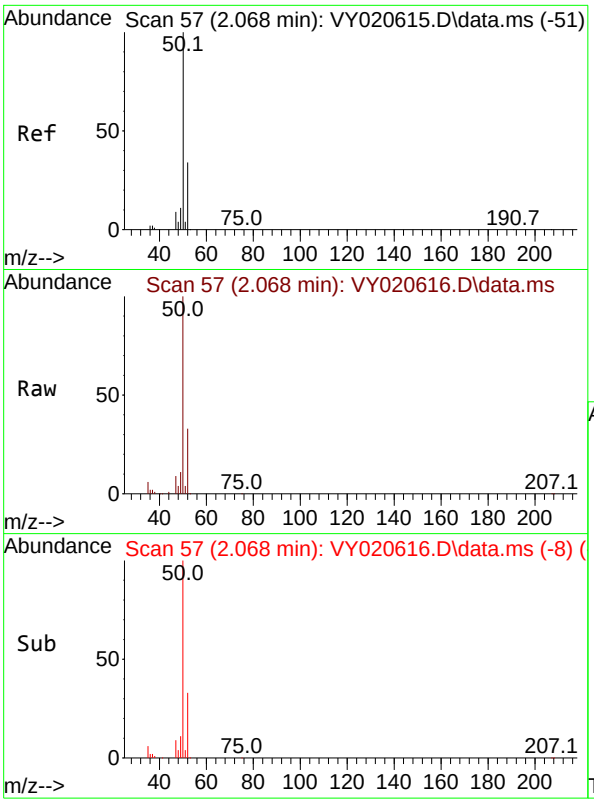


#2
Dichlorodifluoromethane
Concen: 96.249 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 85 Resp: 210949

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.8	50.3



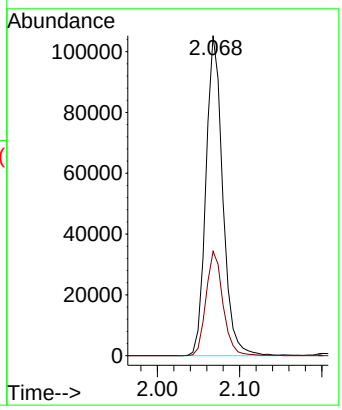


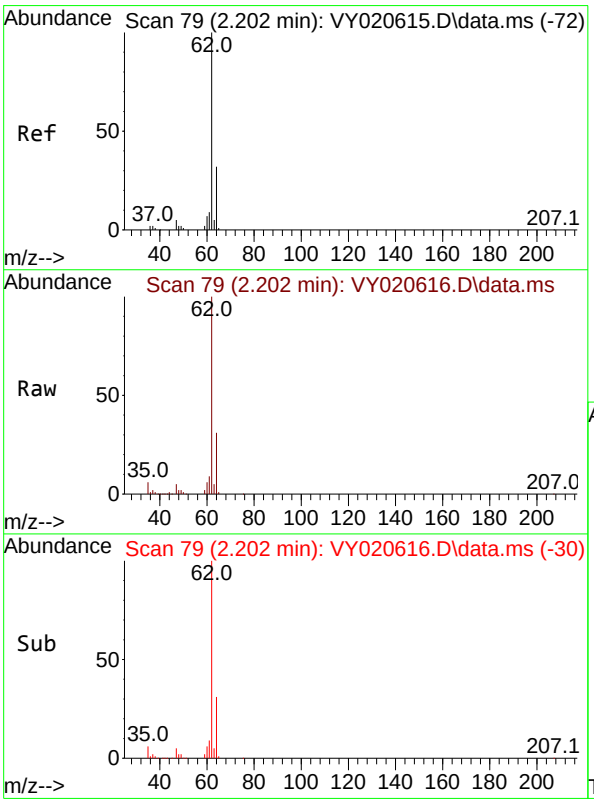
#3
Chloromethane
Concen: 92.044 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 149471

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

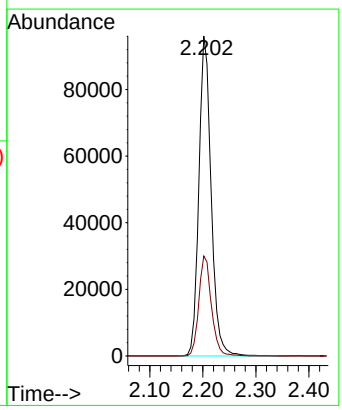


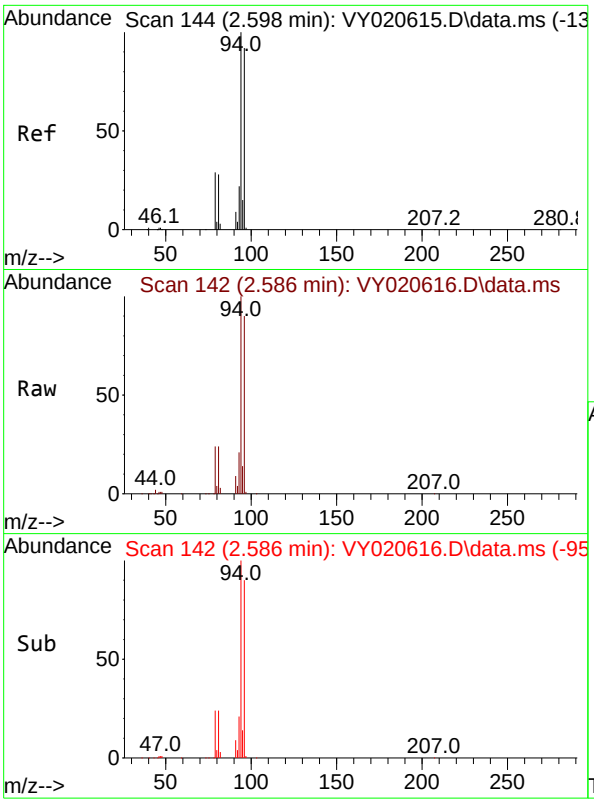


#4
Vinyl Chloride
Concen: 102.062 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 154262

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9



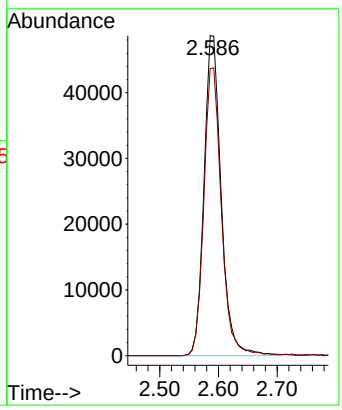


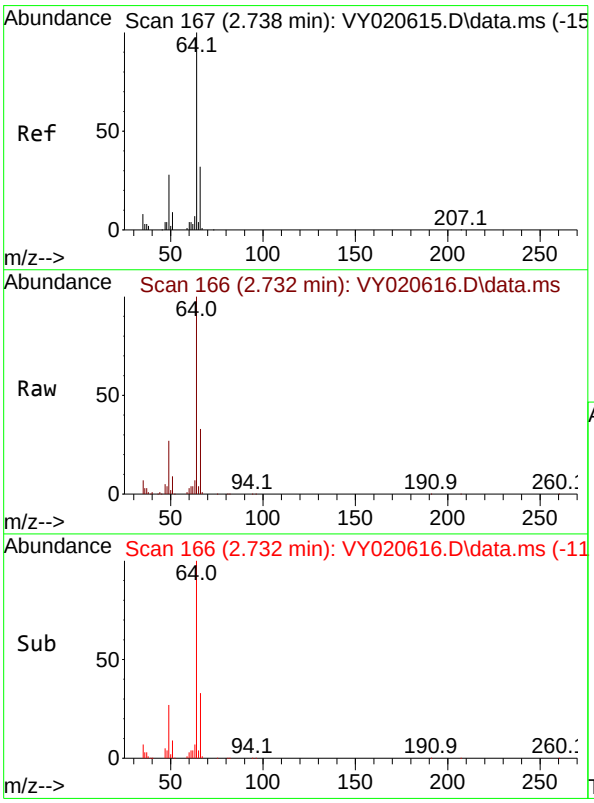
#5
Bromomethane
Concen: 101.715 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 98824

Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.8	110.6

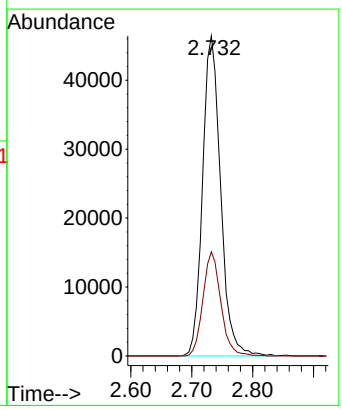


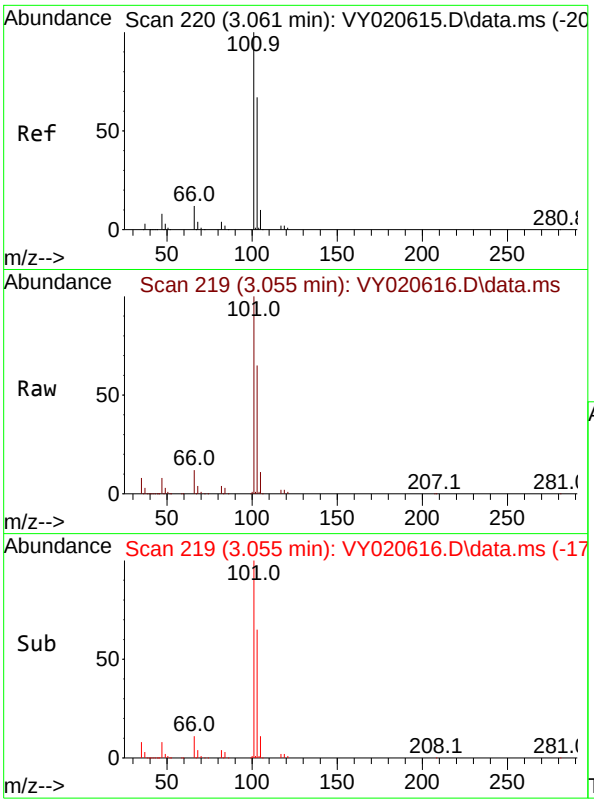


#6
Chloroethane
Concen: 102.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 64 Resp: 95621

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.8	38.6



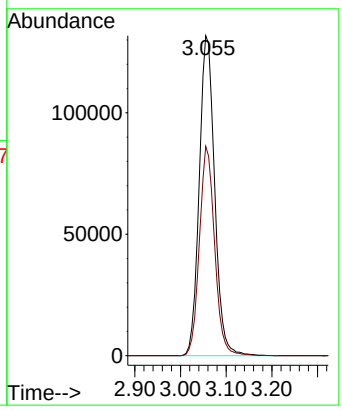


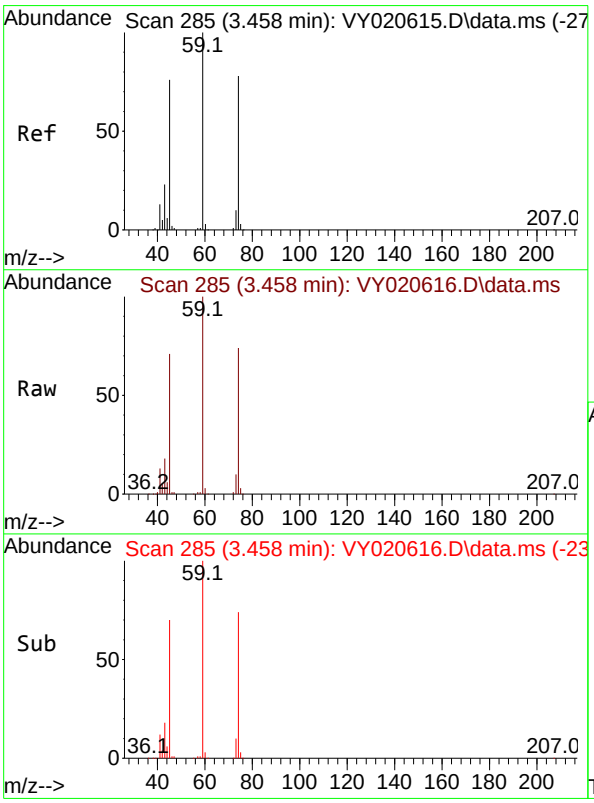
#7
Trichlorofluoromethane
Concen: 97.464 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 308242

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.4	80.0

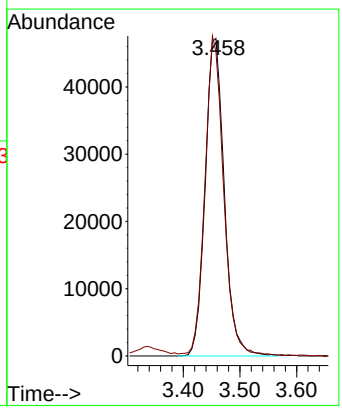


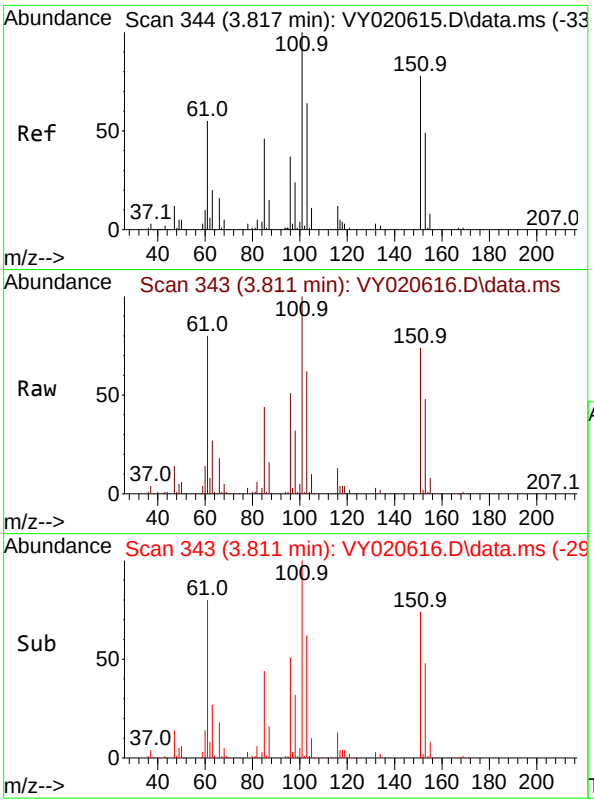


#8
Diethyl Ether
Concen: 99.599 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 74 Resp: 110471

Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.0	147.2



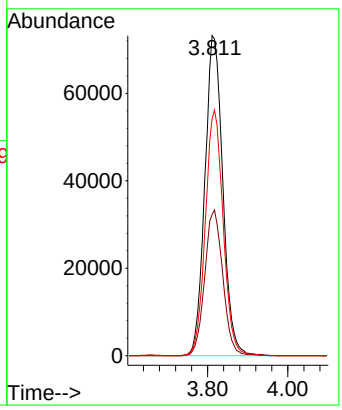


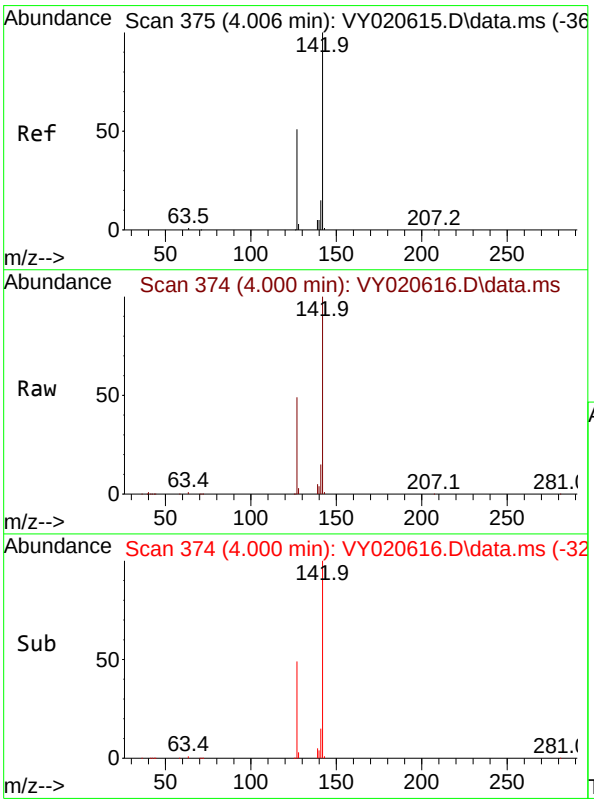
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.469 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

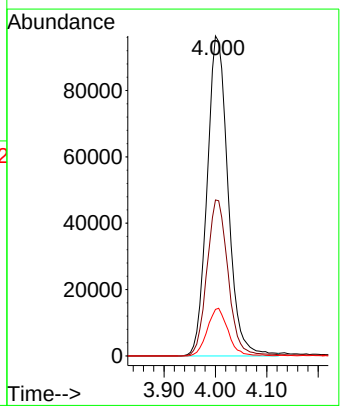


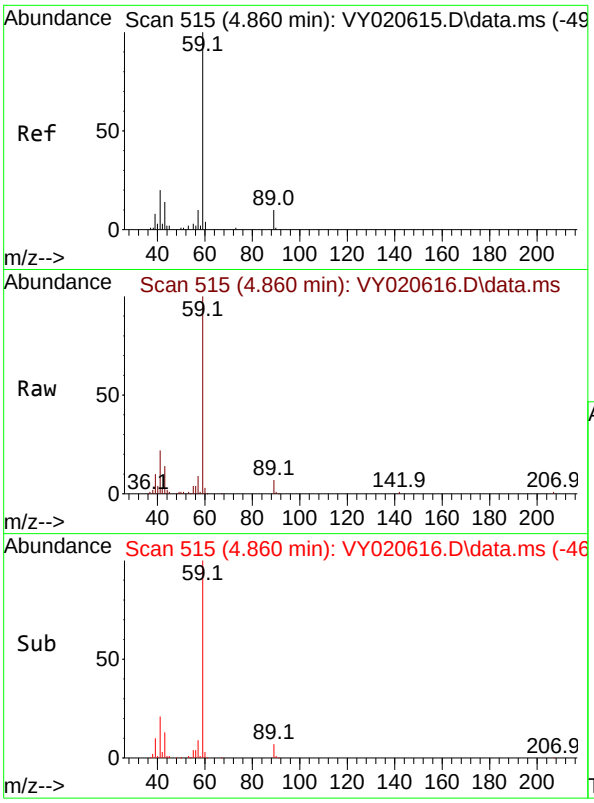


#10
Methyl Iodide
Concen: 108.168 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



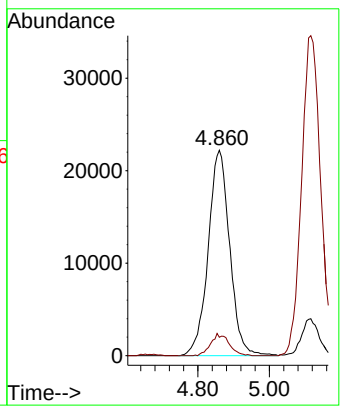


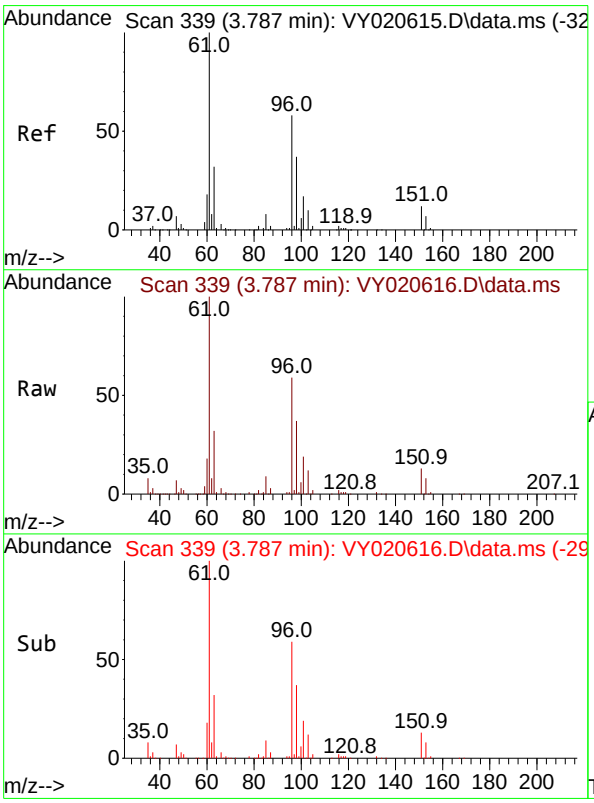
#11
Tert butyl alcohol
Concen: 533.746 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 92710

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.4	11.0

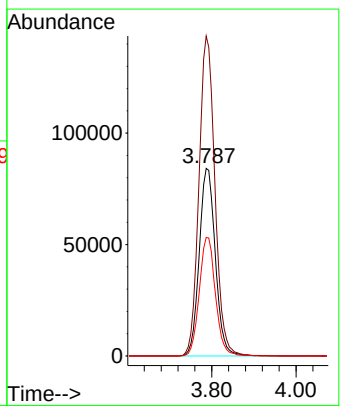


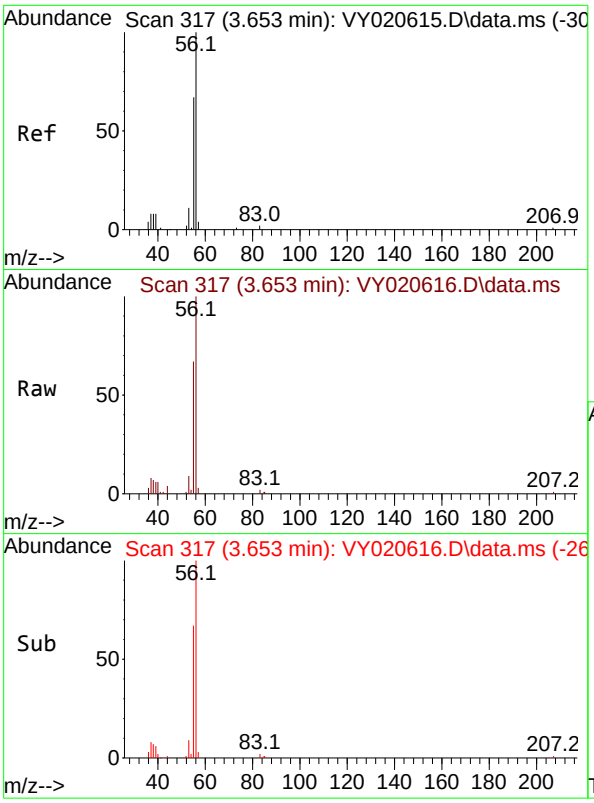


#12
1,1-Dichloroethene
Concen: 101.847 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



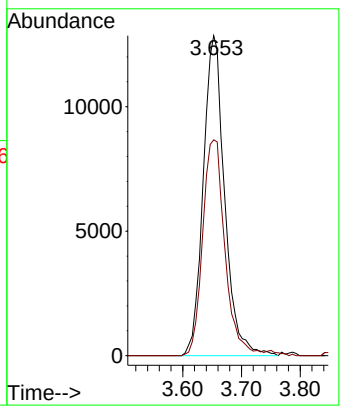


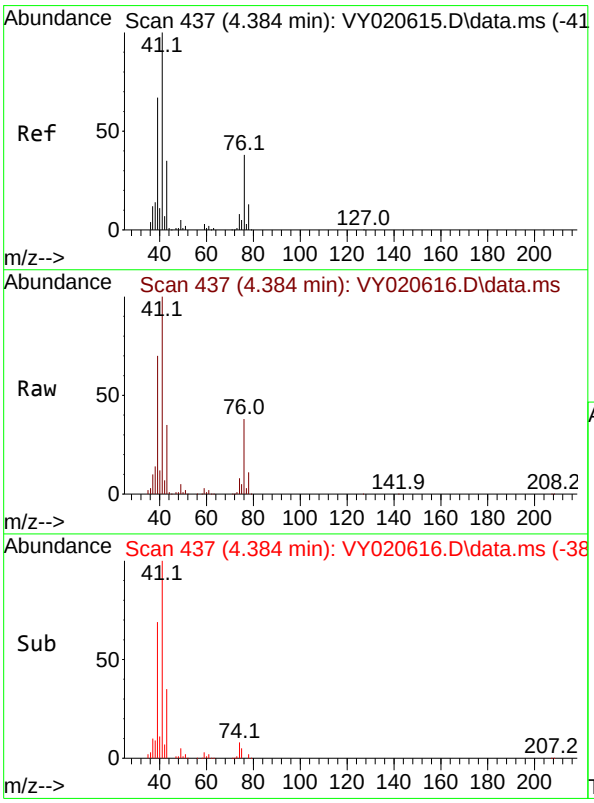
#13
Acrolein
Concen: 357.929 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 32525

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.5	86.3

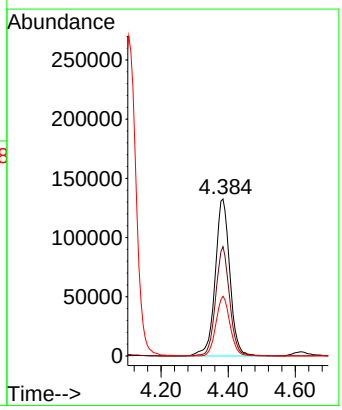


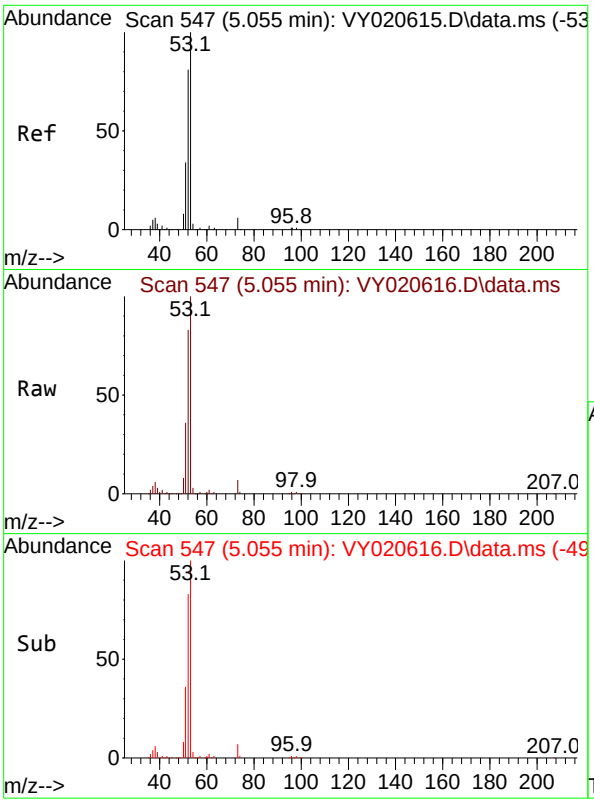


#14
Allyl chloride
Concen: 104.161 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



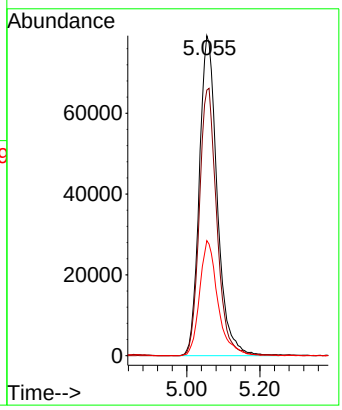


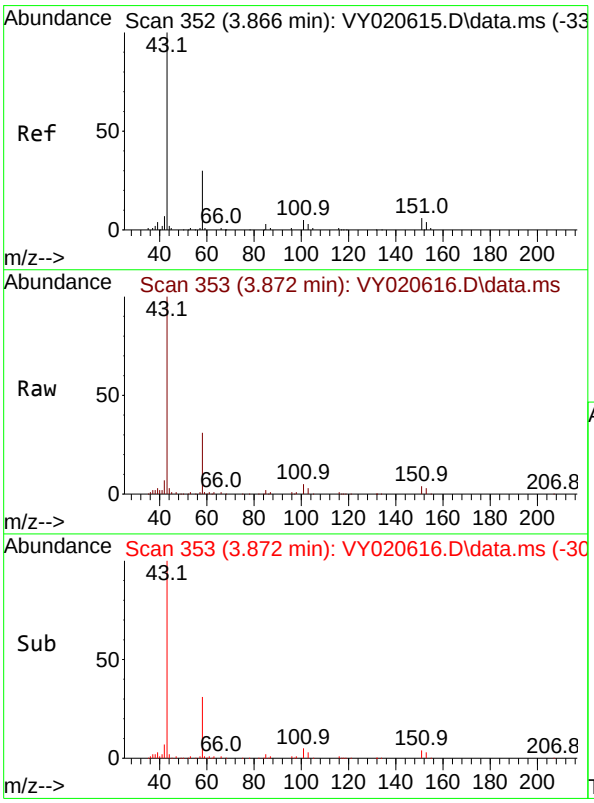
#15
Acrylonitrile
Concen: 506.539 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

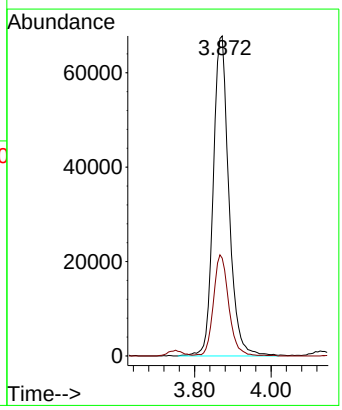


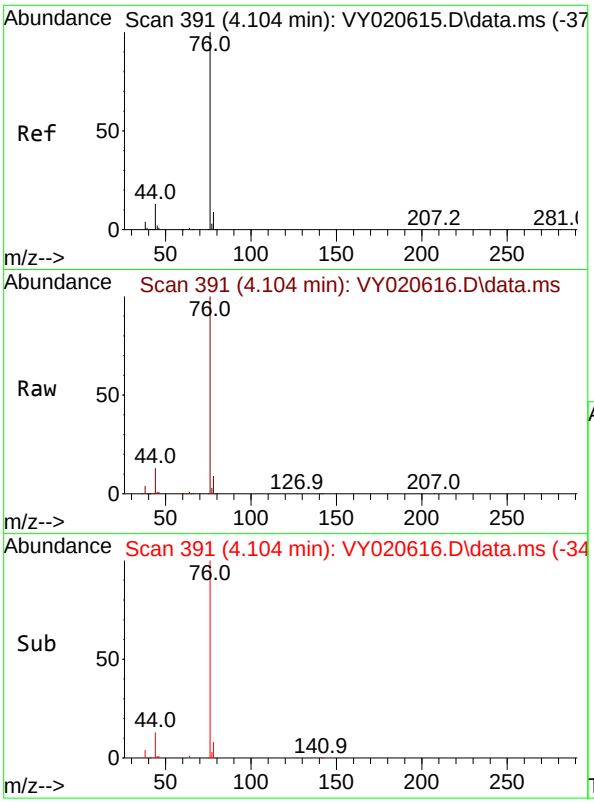


#16
Acetone
Concen: 512.024 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 192907

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6



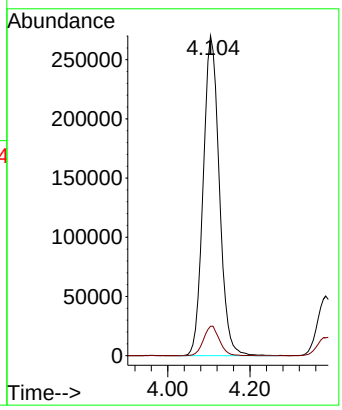


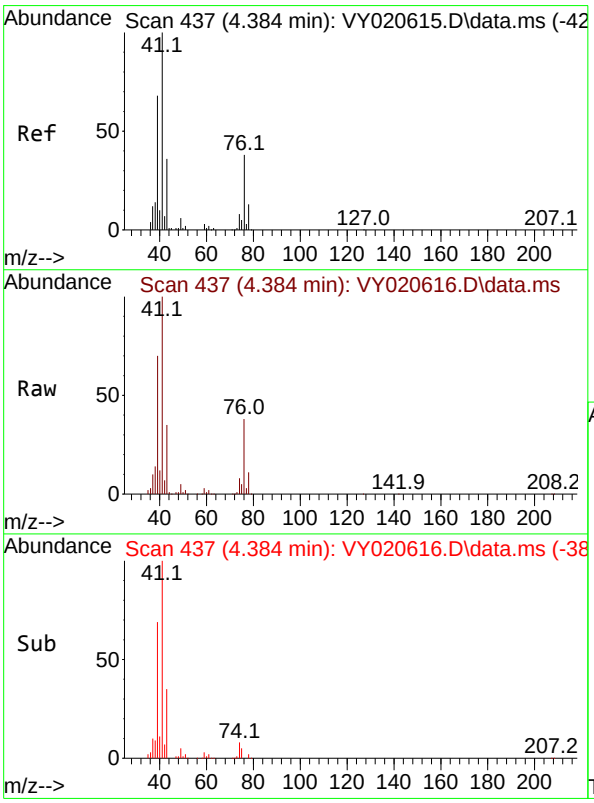
#17
Carbon Disulfide
Concen: 102.553 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 734236

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

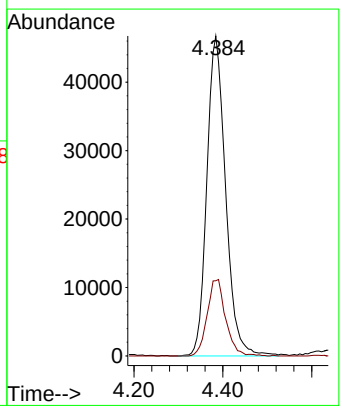


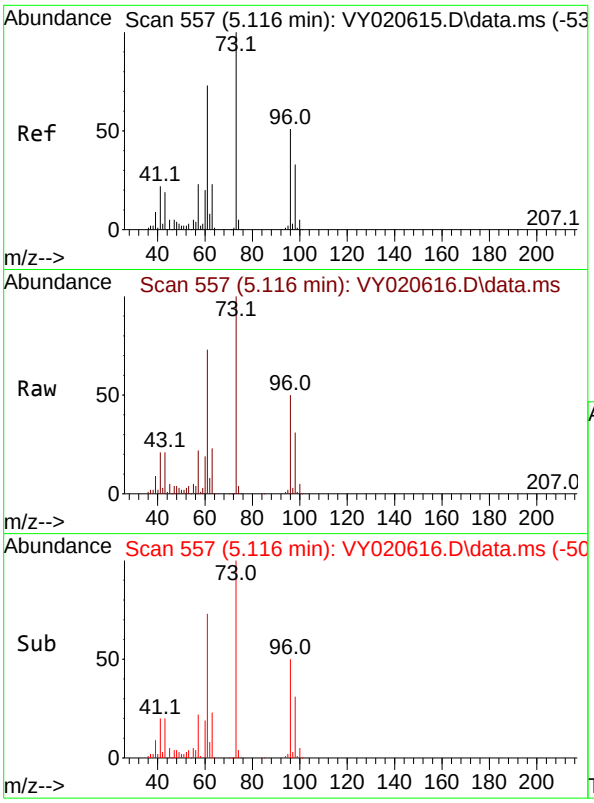


#18
Methyl Acetate
Concen: 104.906 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 137166

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8



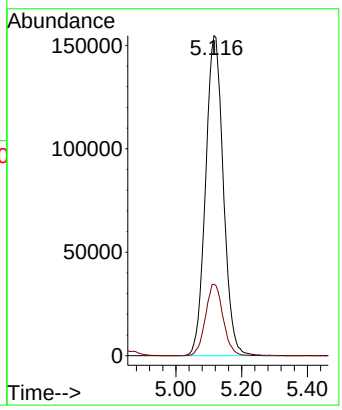


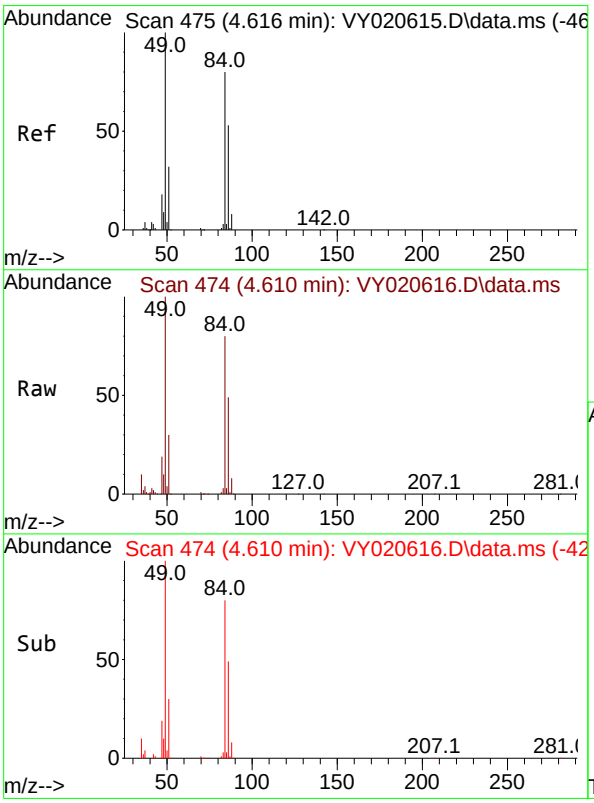
#19
Methyl tert-butyl Ether
Concen: 102.132 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 579813

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

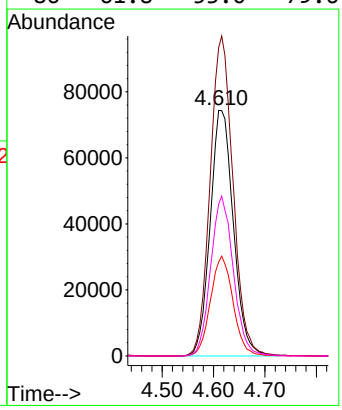


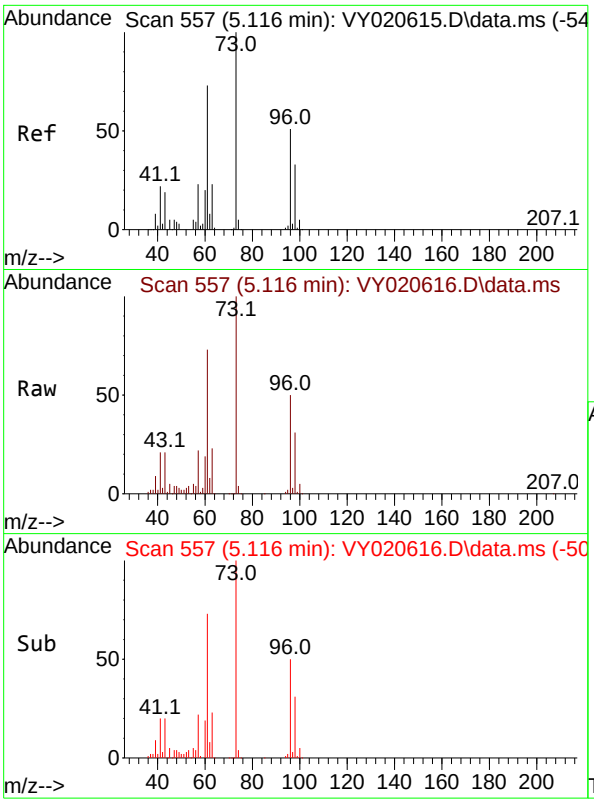


#20
Methylene Chloride
Concen: 97.650 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



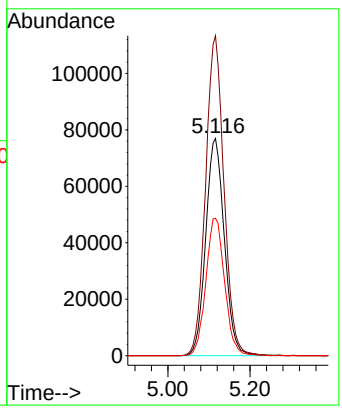


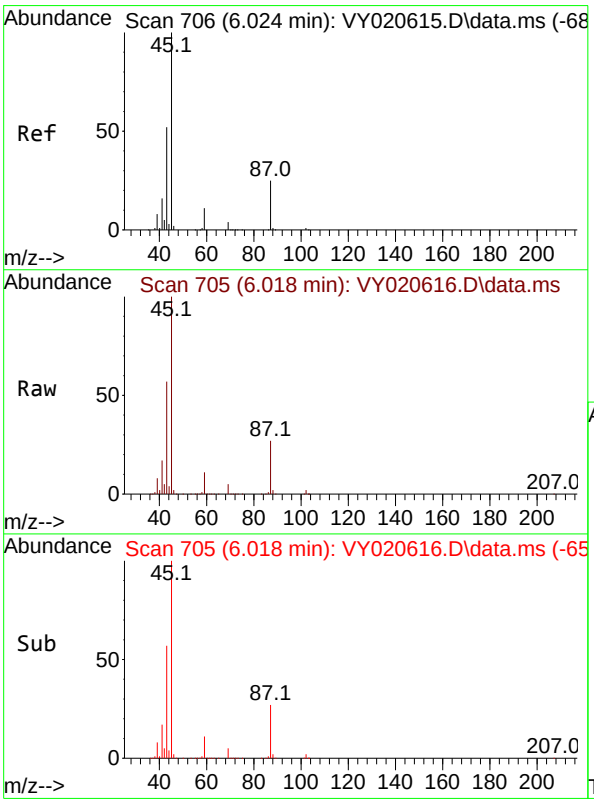
#21
trans-1,2-Dichloroethene
Concen: 98.365 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

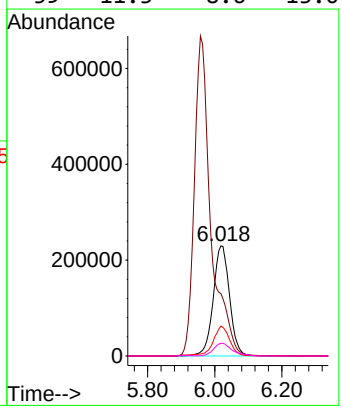


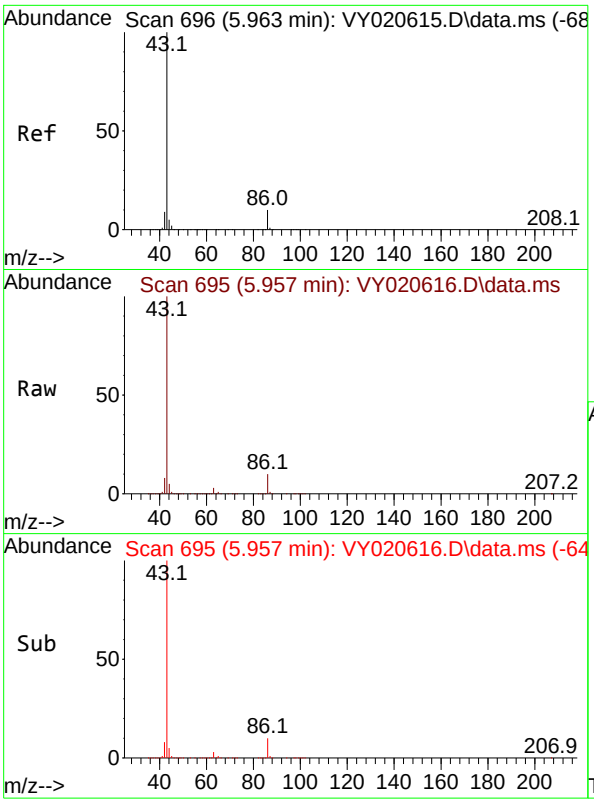


#22
Diisopropyl ether
Concen: 99.391 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



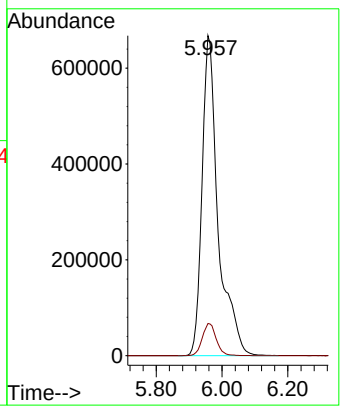


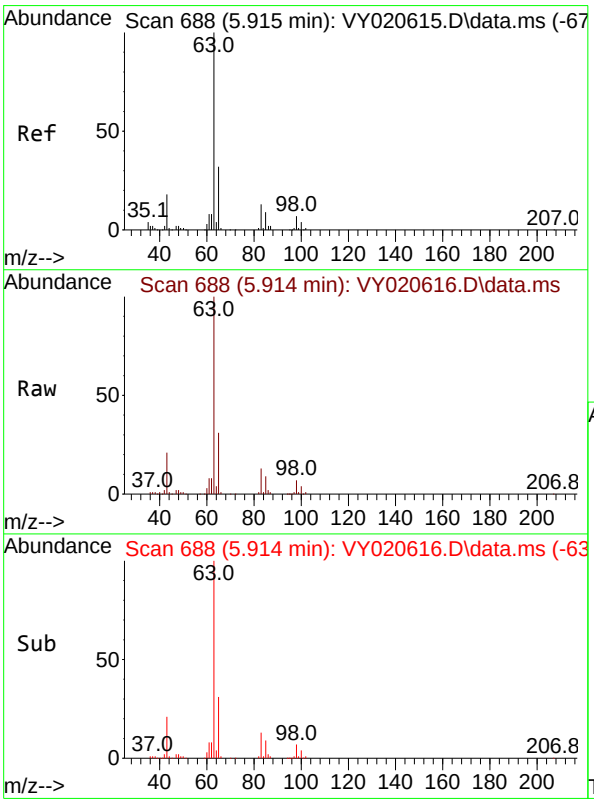
#23
Vinyl Acetate
Concen: 512.739 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2271891

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

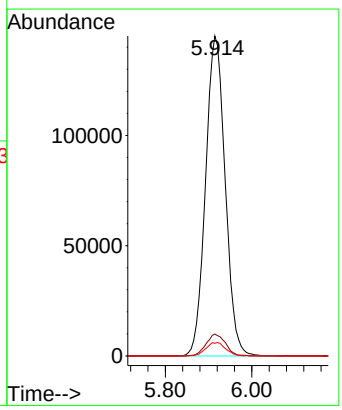


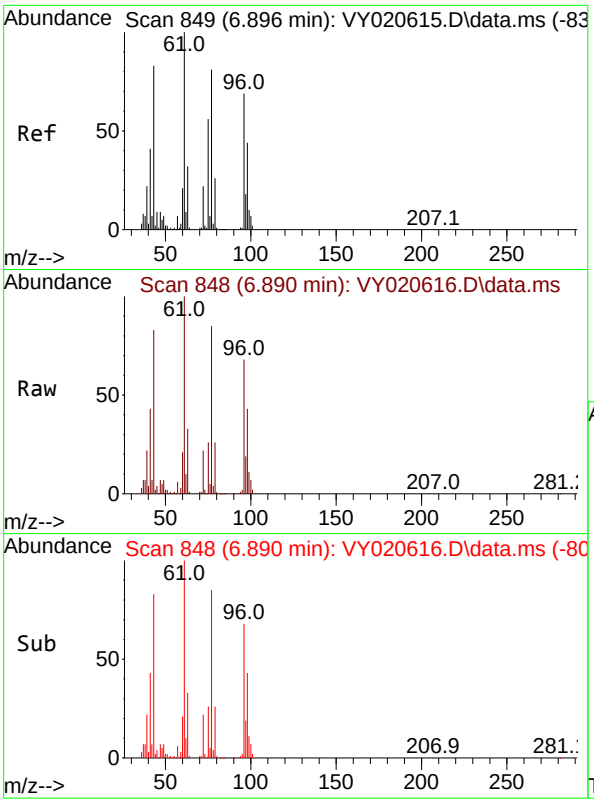


#24
1,1-Dichloroethane
Concen: 99.510 ug/l
RT: 5.914 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



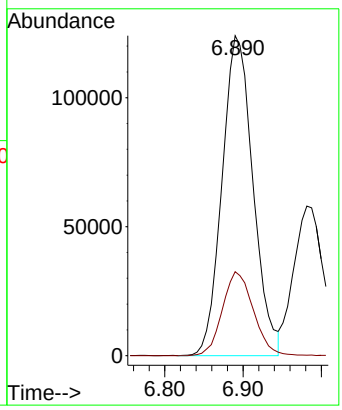


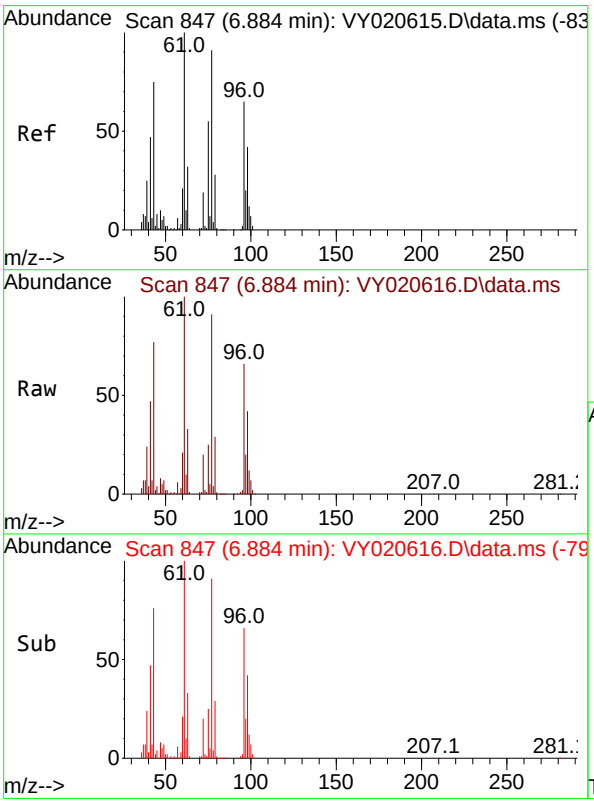
#25
2-Butanone
Concen: 478.150 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 341489

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0

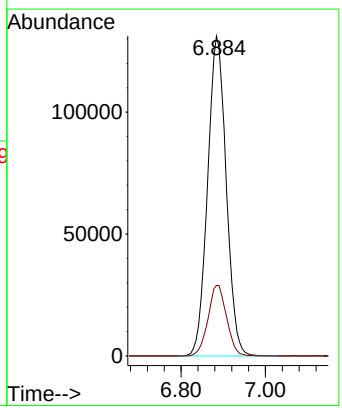


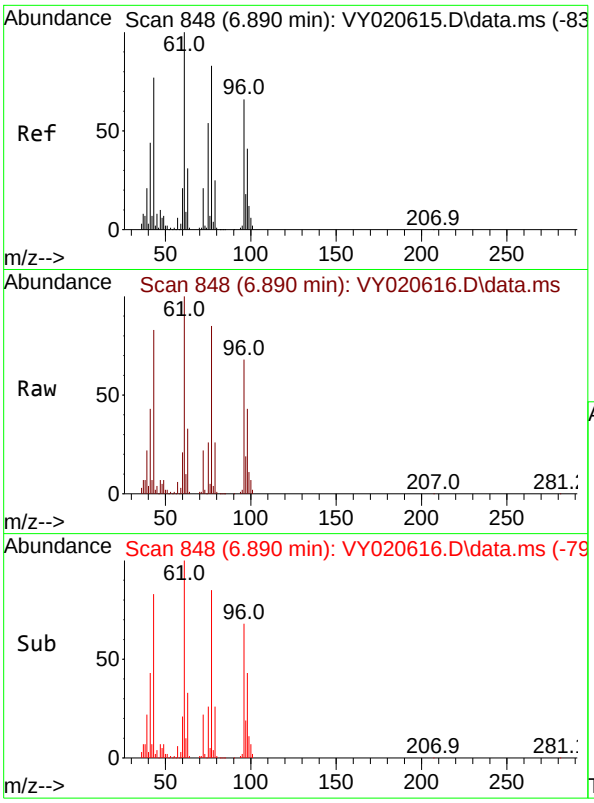


#26
2,2-Dichloropropane
Concen: 92.822 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 77 Resp: 402163

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



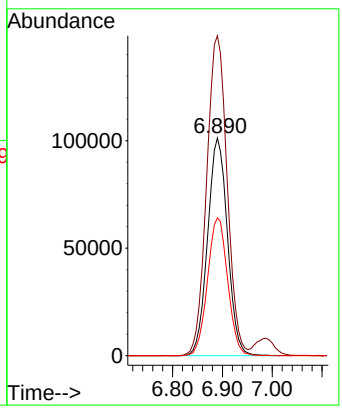


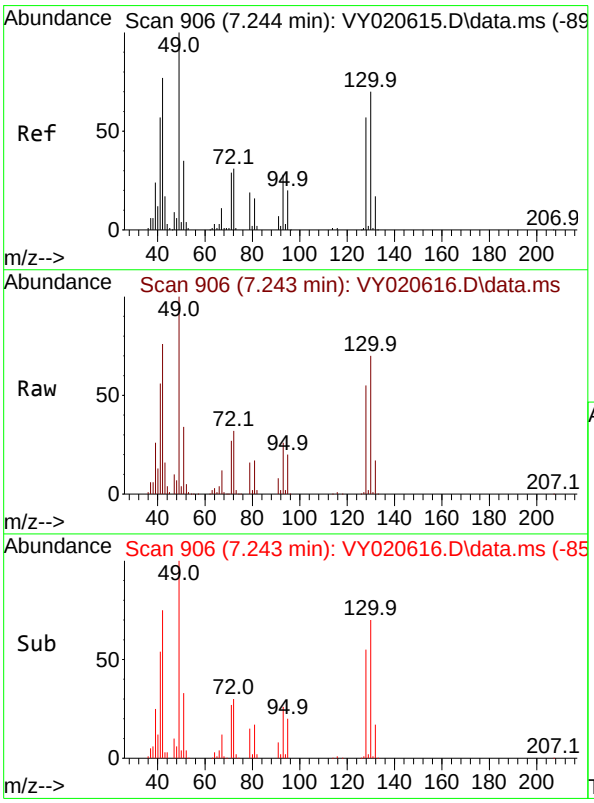
#27
cis-1,2-Dichloroethene
Concen: 98.523 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

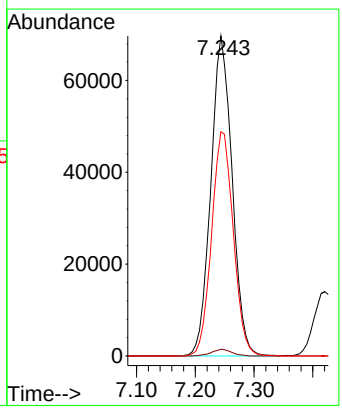


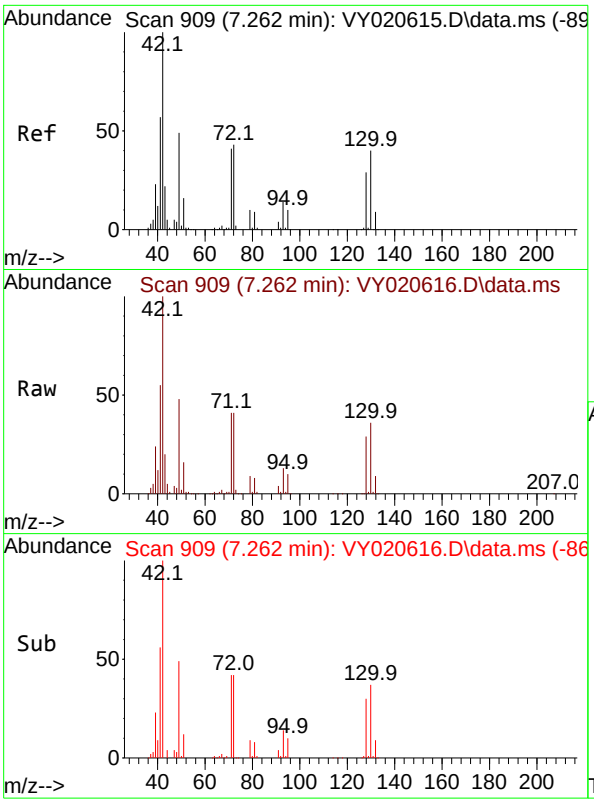


#28
Bromochloromethane
Concen: 113.661 ug/l
RT: 7.243 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



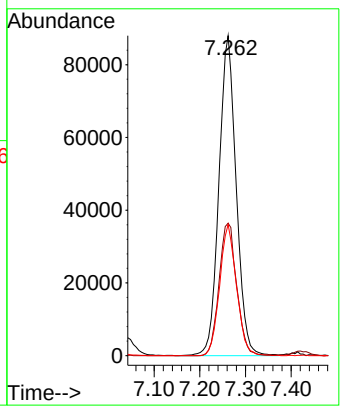


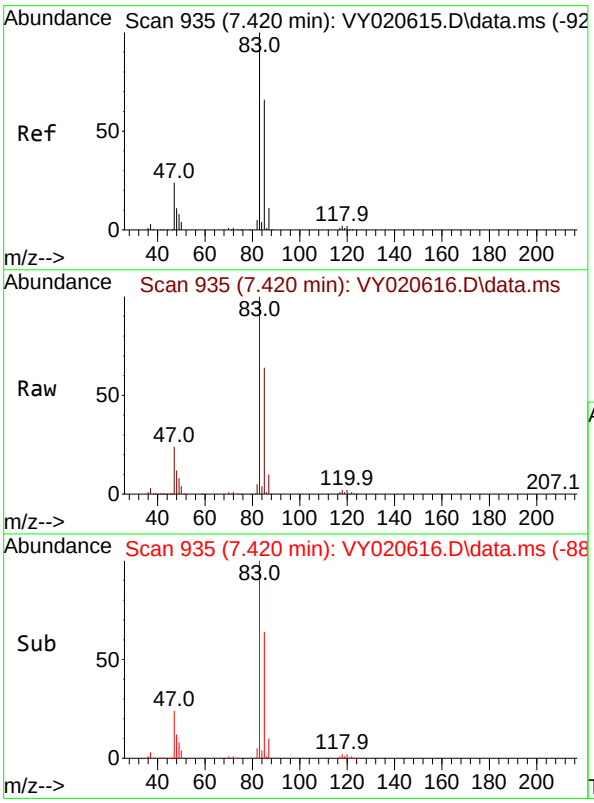
#29
Tetrahydrofuran
Concen: 512.090 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

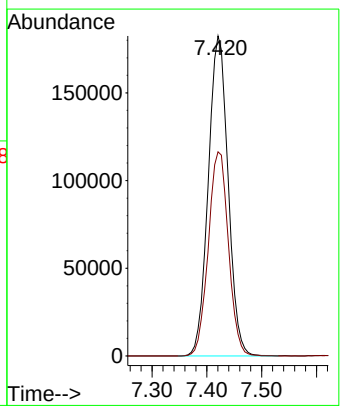


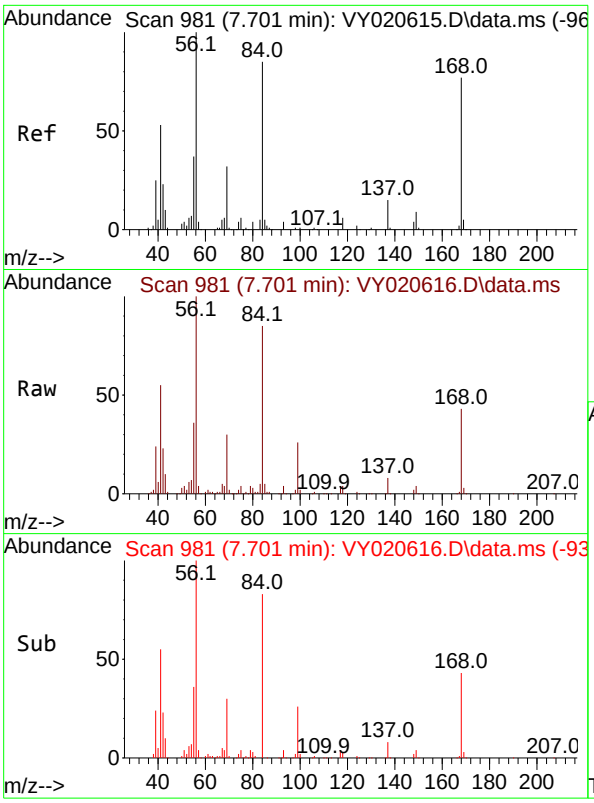


#30
Chloroform
Concen: 105.160 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 457070

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.7	79.1



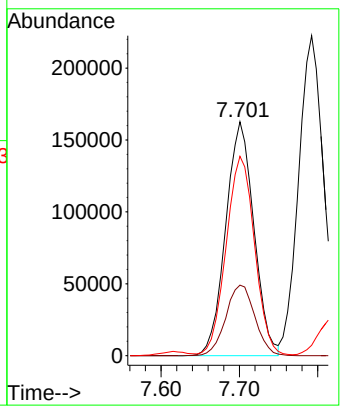


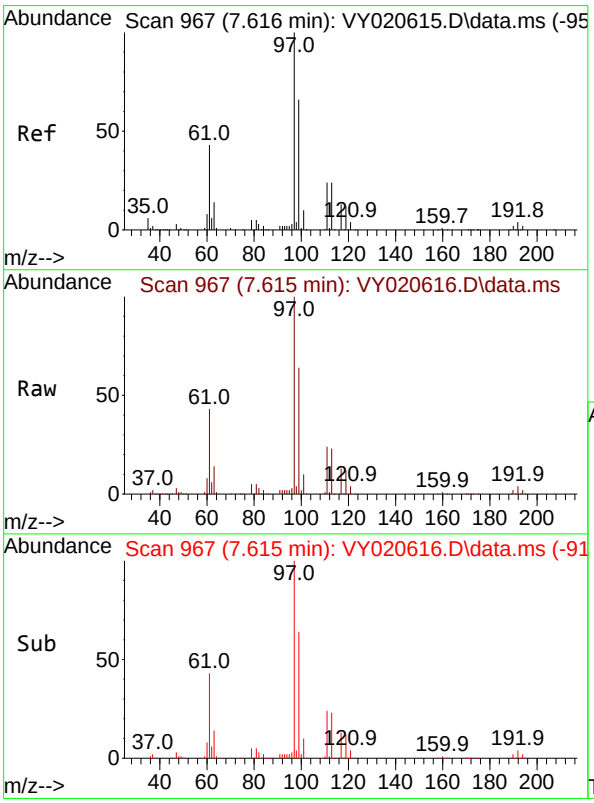
#31
Cyclohexane
Concen: 92.899 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

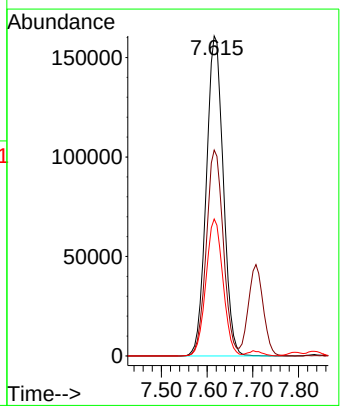


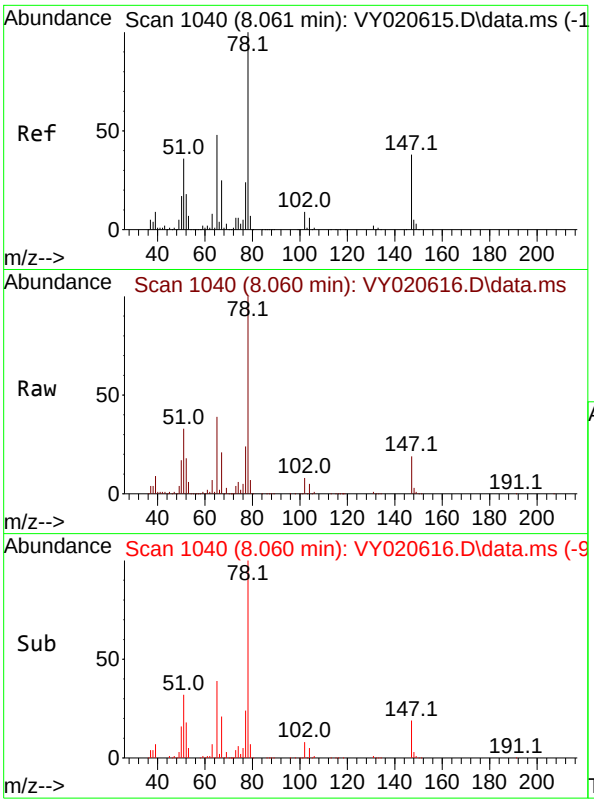


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



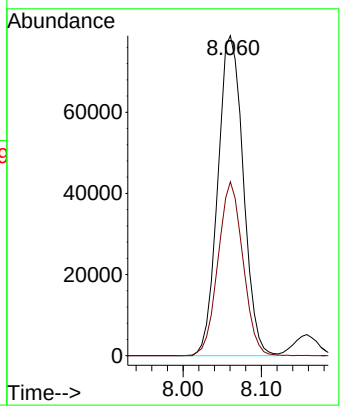


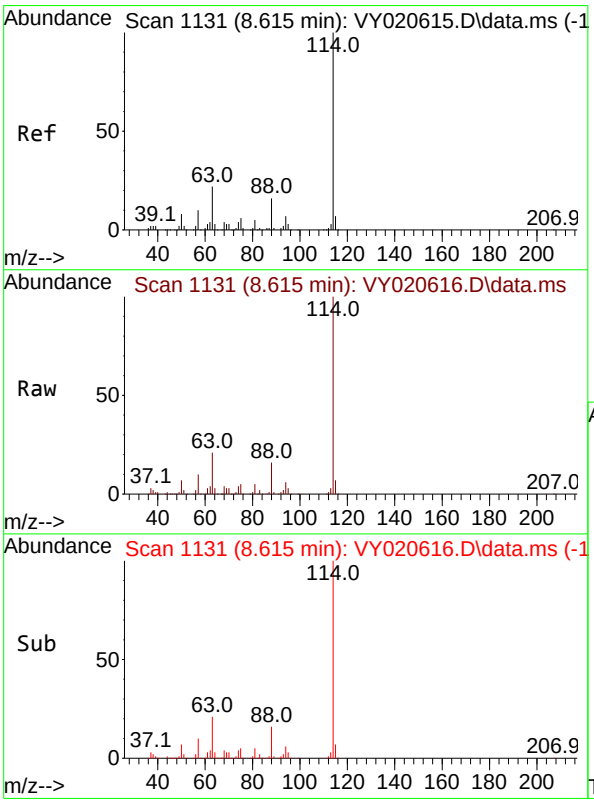
#33
1,2-Dichloroethane-d4
Concen: 92.612 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 177978

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.0

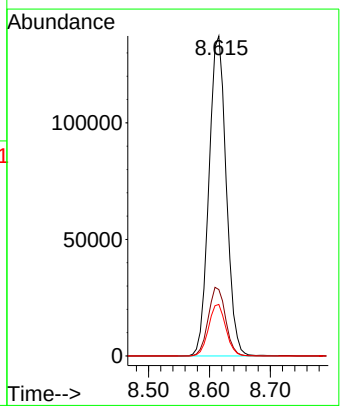


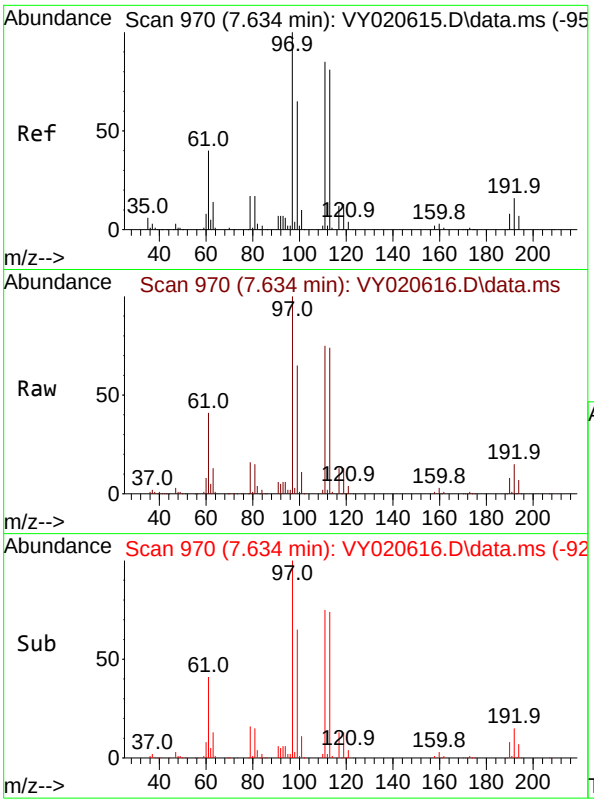


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



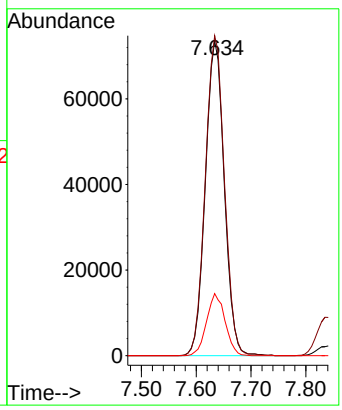


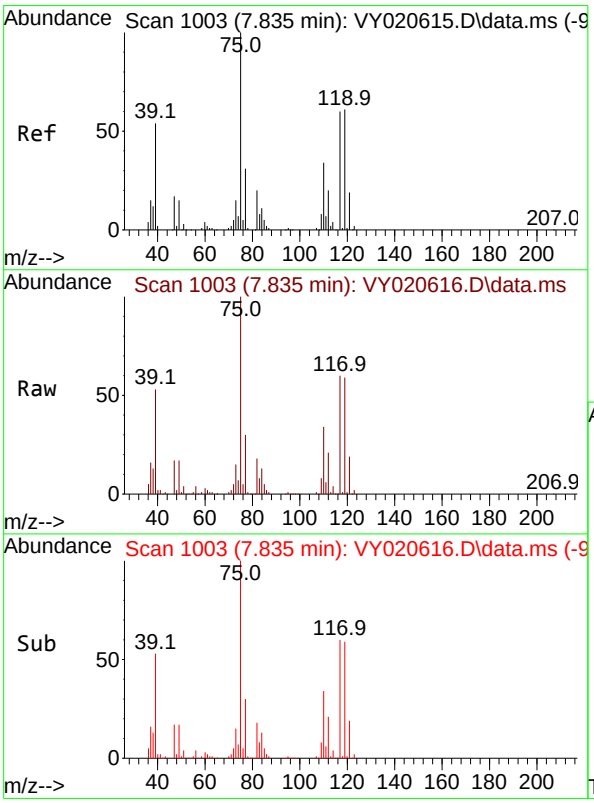
#35
Dibromofluoromethane
Concen: 92.118 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

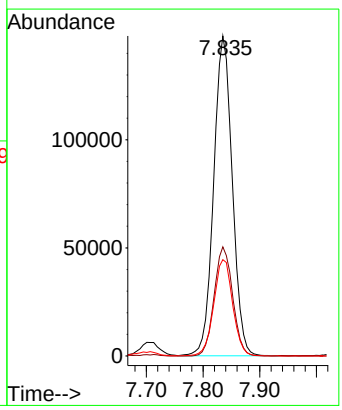


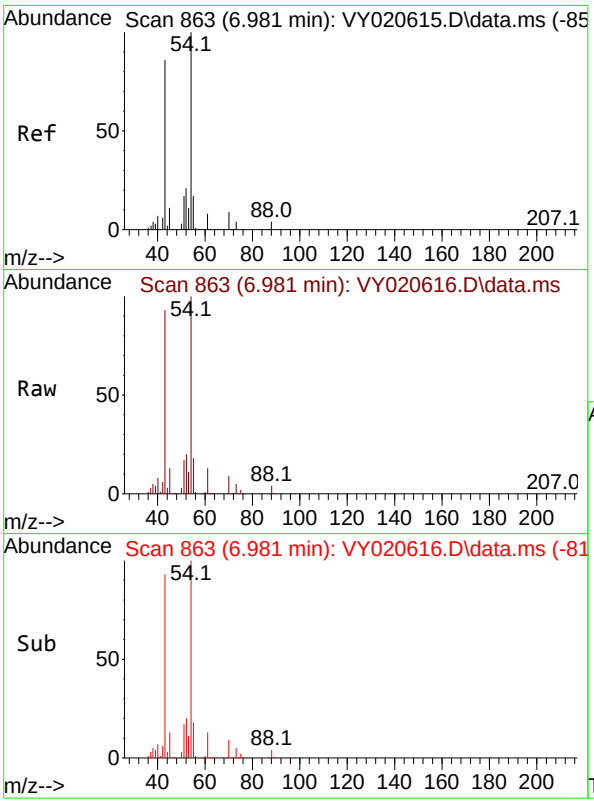


#36
1,1-Dichloropropene
Concen: 96.854 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



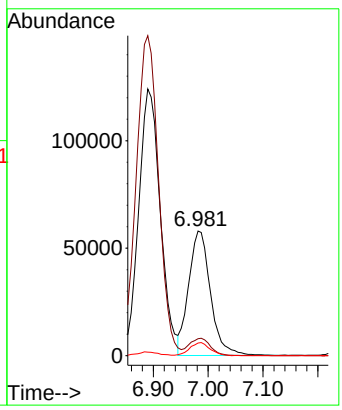


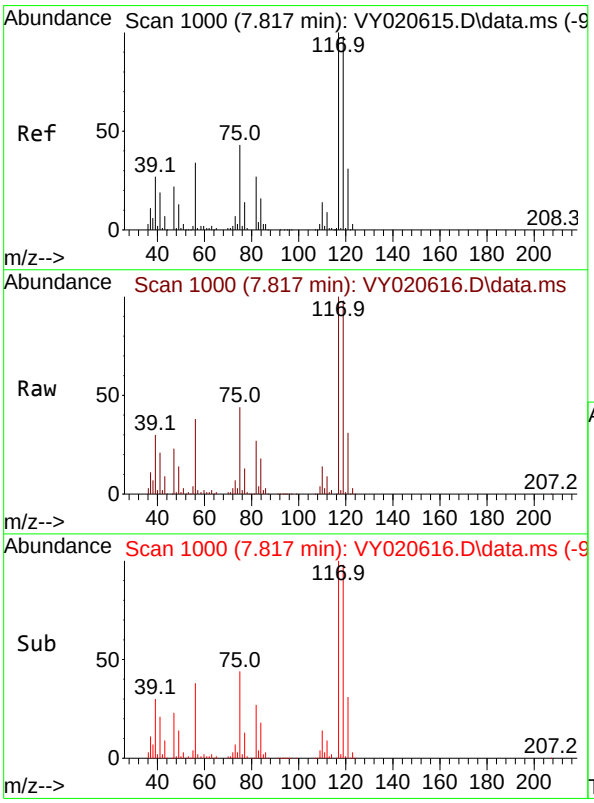
#37
Ethyl Acetate
Concen: 97.867 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

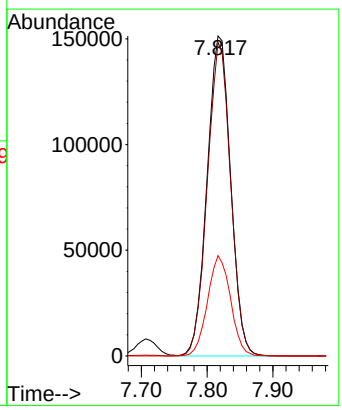


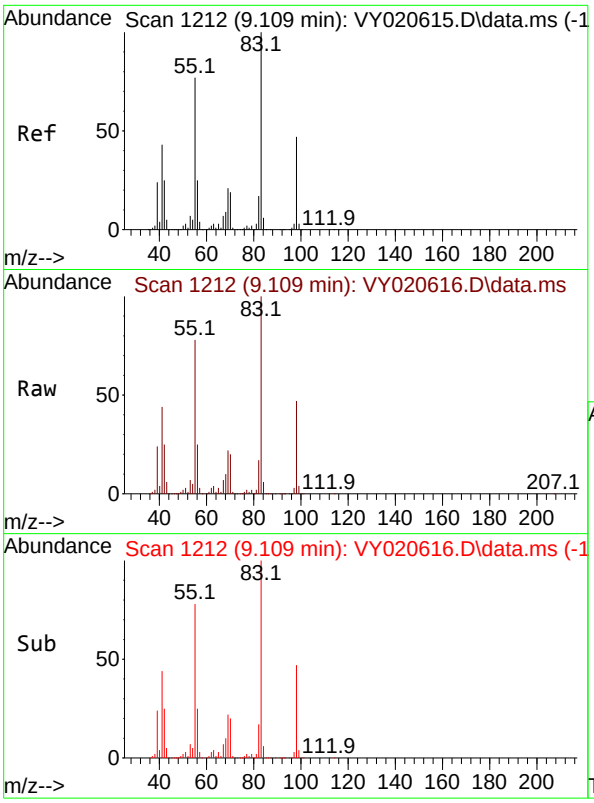


#38
Carbon Tetrachloride
Concen: 97.998 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



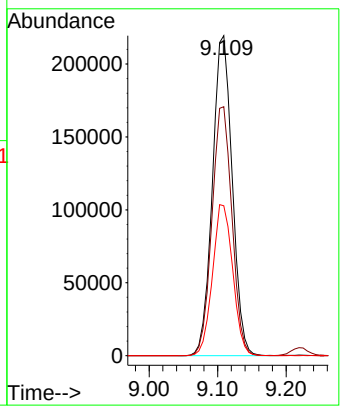


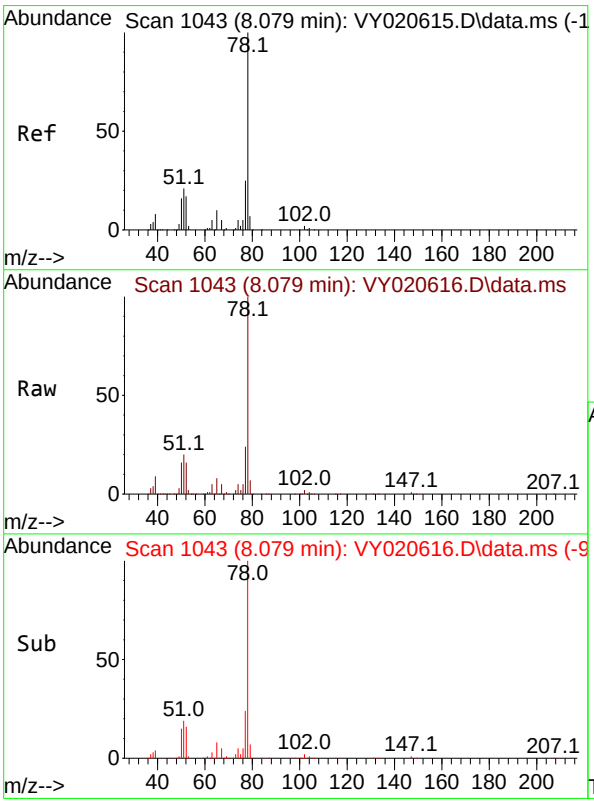
#39
Methylcyclohexane
Concen: 96.986 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

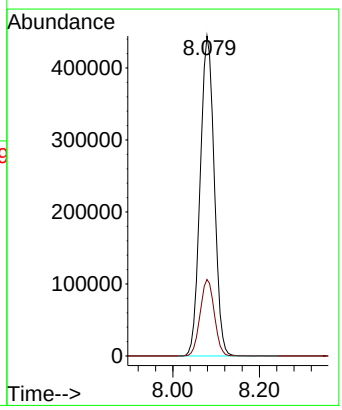


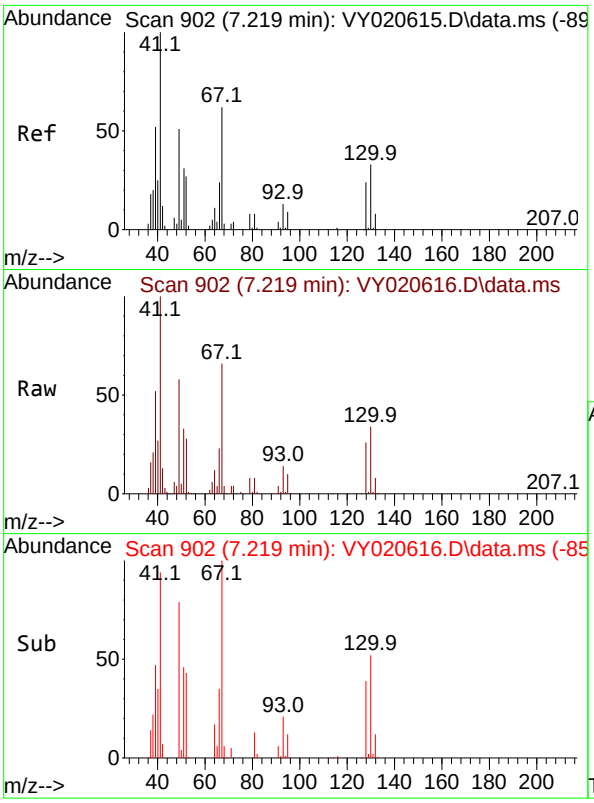


#40
Benzene
Concen: 98.064 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 78 Resp: 1000543

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1



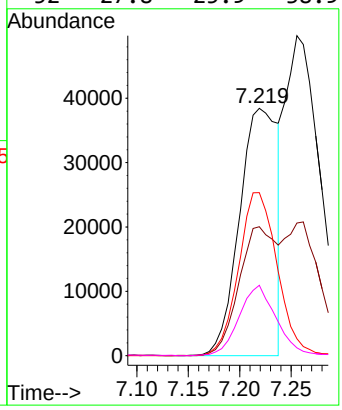


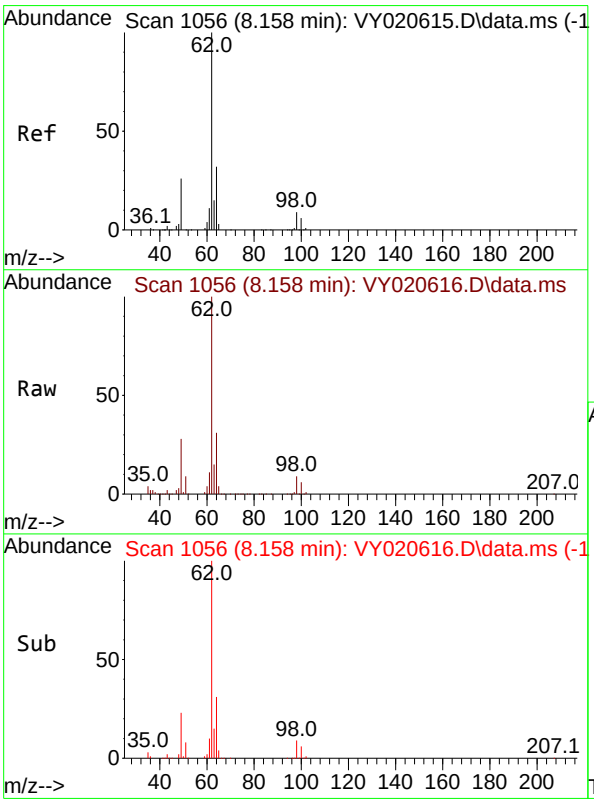
#41
Methacrylonitrile
Concen: 114.810 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

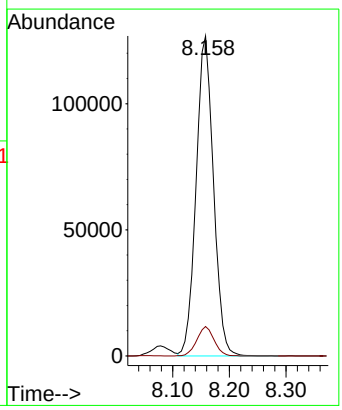


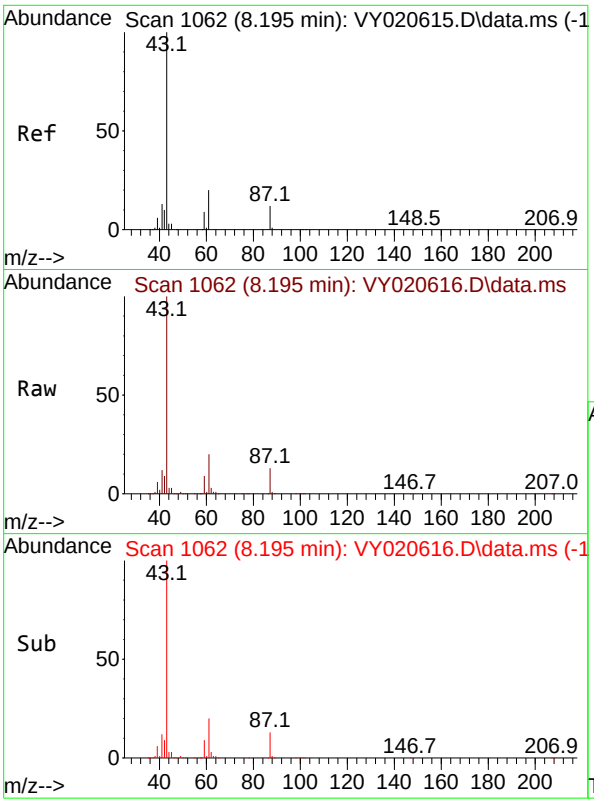


#42
1,2-Dichloroethane
Concen: 99.793 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 270045

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.0



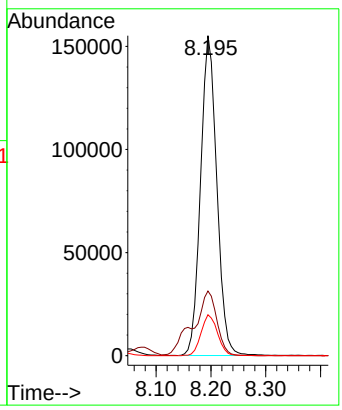


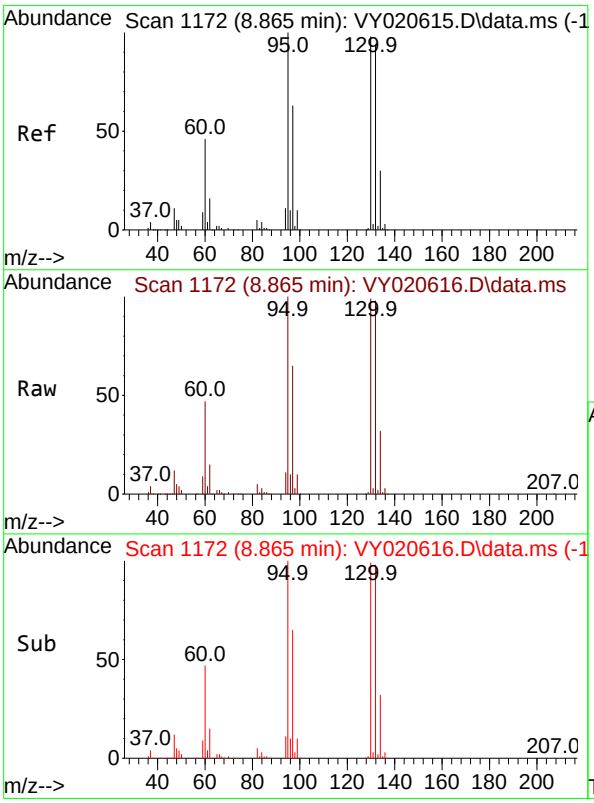
#43
Isopropyl Acetate
Concen: 102.879 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

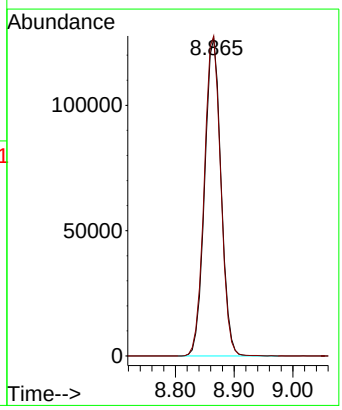


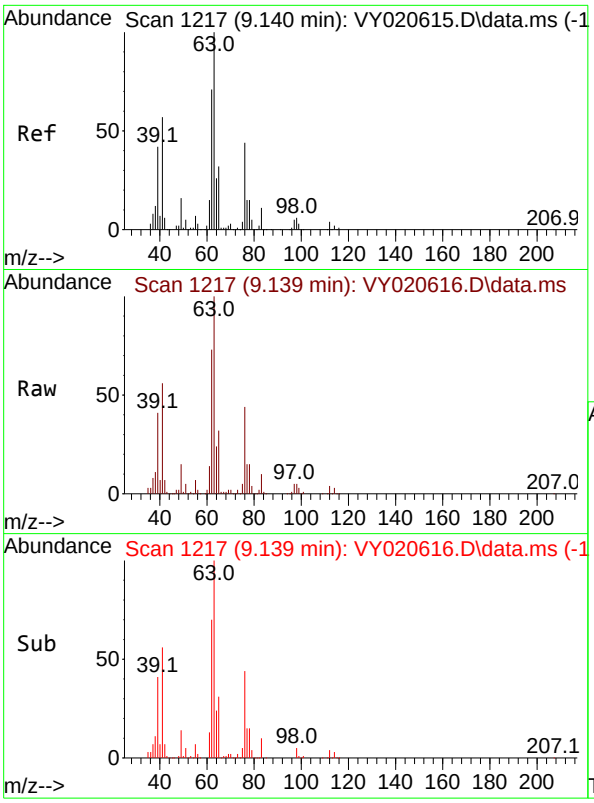


#44
Trichloroethene
Concen: 97.912 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:130 Resp: 245474

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2



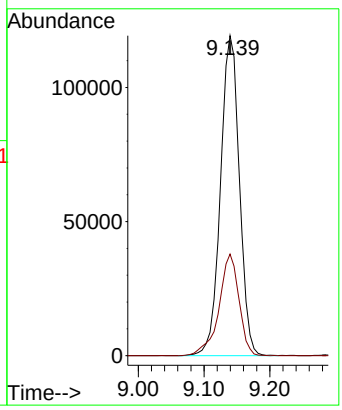


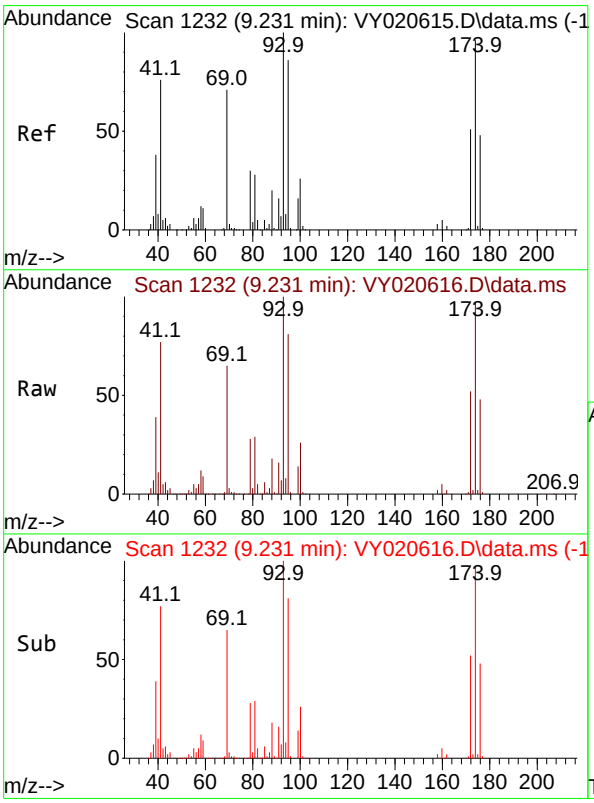
#45
1,2-Dichloropropane
Concen: 100.062 ug/l
RT: 9.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 238605

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9

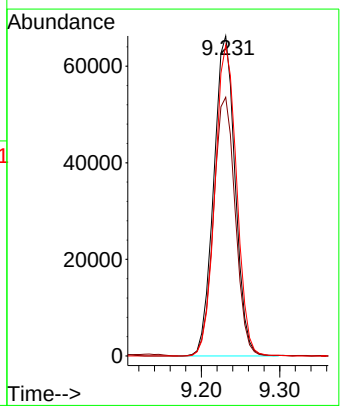


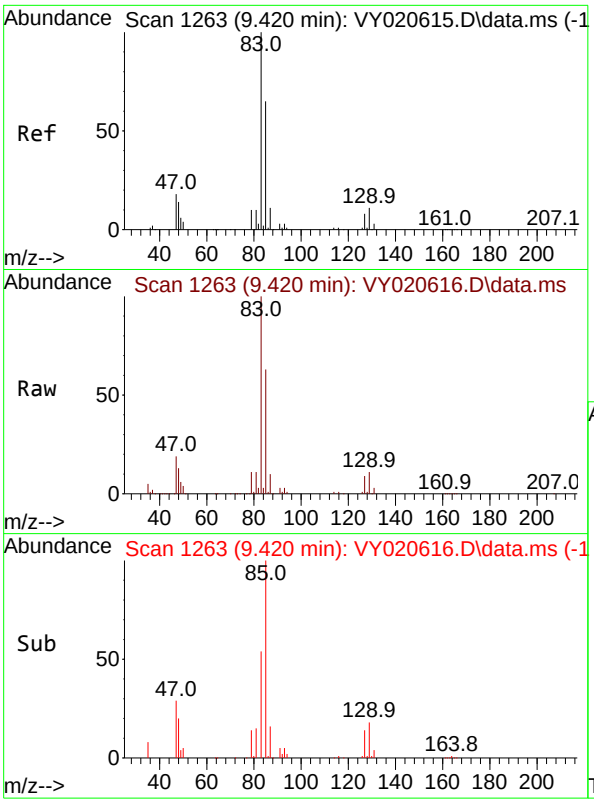


#46
Dibromomethane
Concen: 100.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



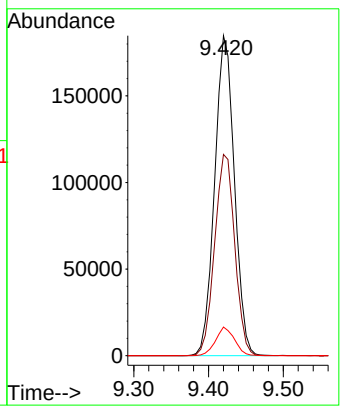


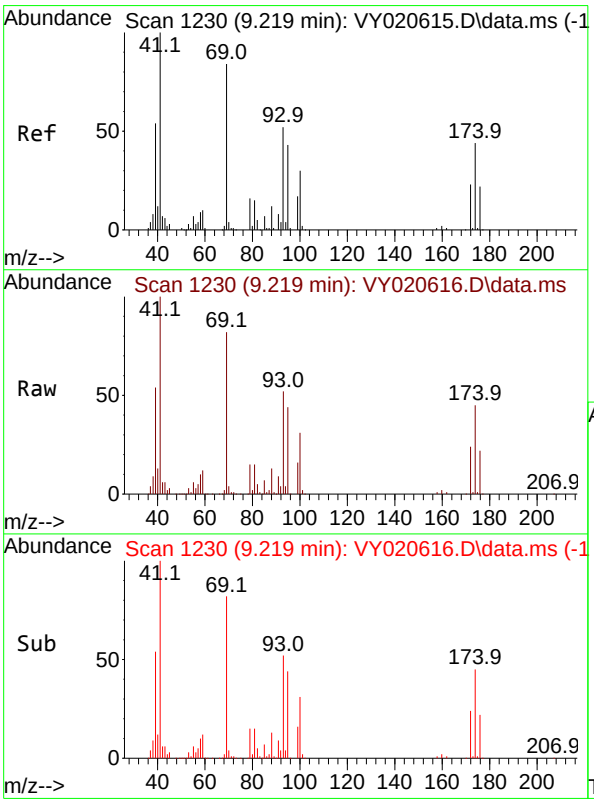
#47
Bromodichloromethane
Concen: 99.796 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

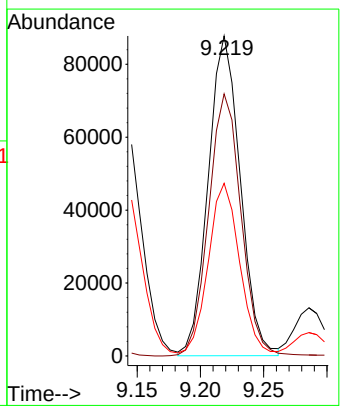


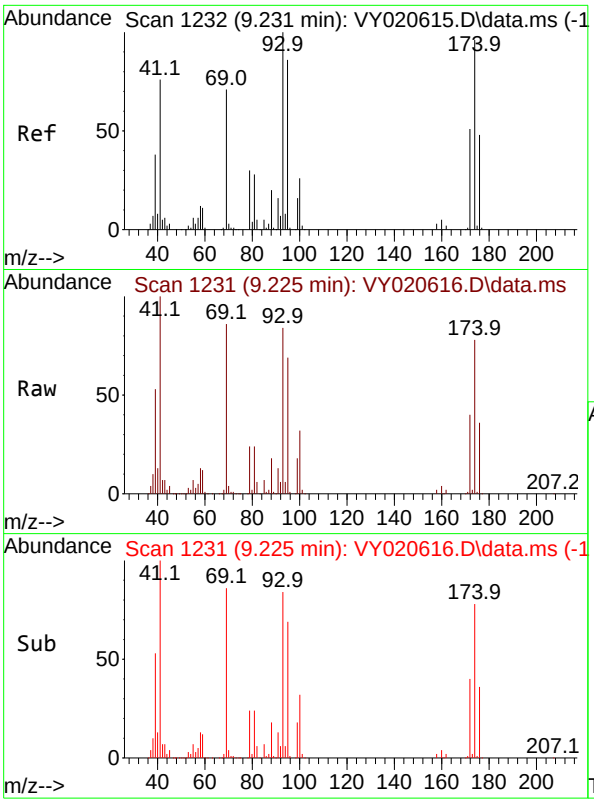


#48
Methyl methacrylate
Concen: 105.079 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



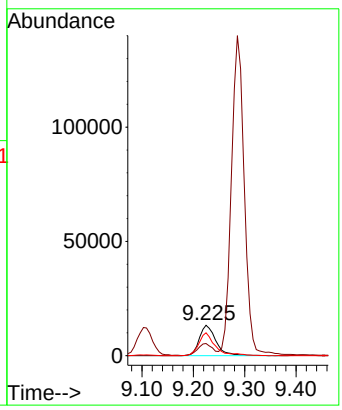


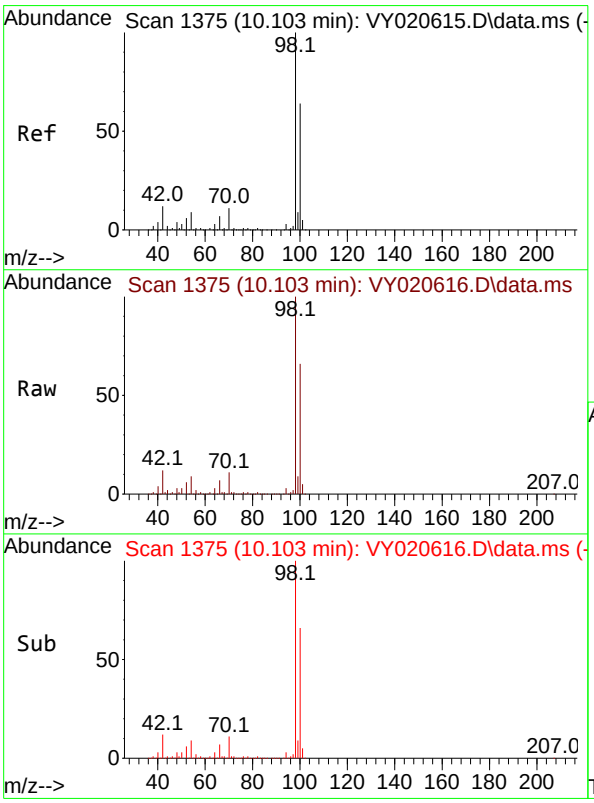
#49
1,4-Dioxane
Concen: 2066.774 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

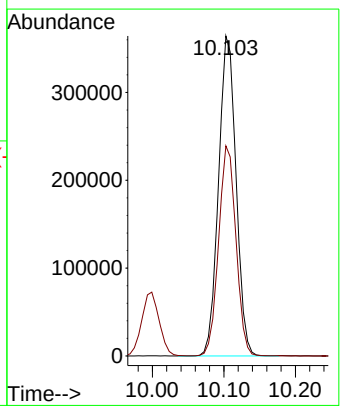


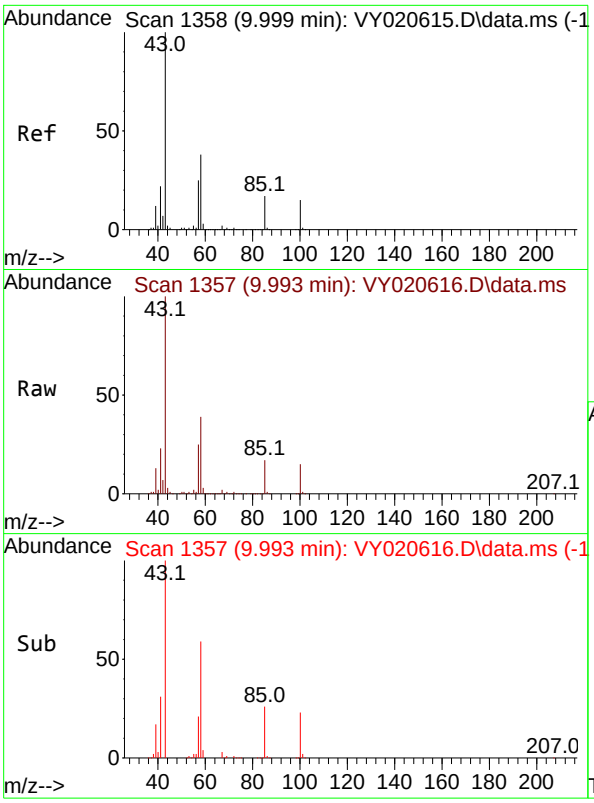


#50
Toluene-d8
Concen: 92.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 98 Resp: 619412

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



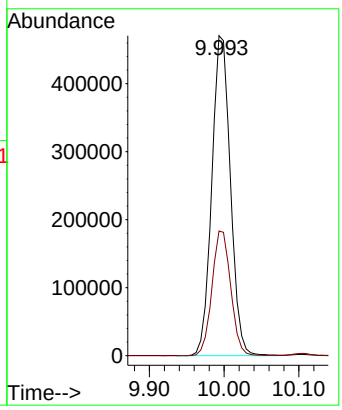


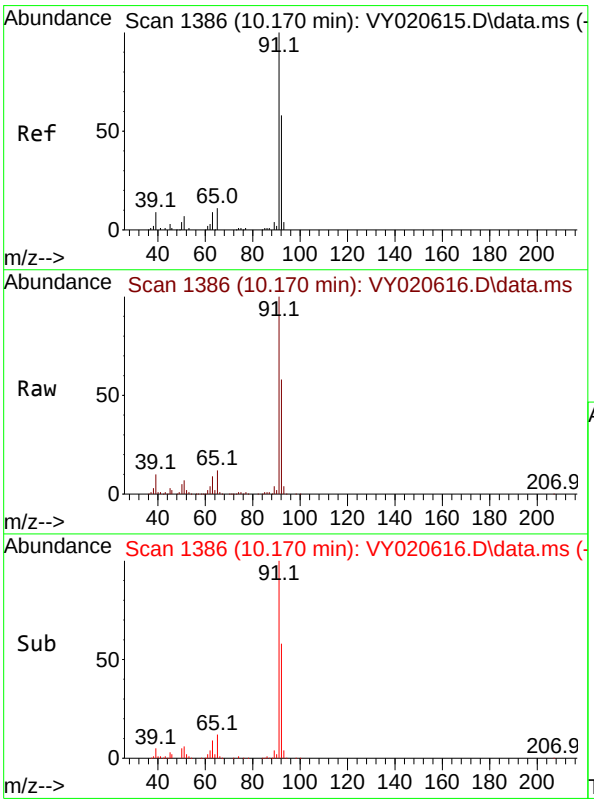
#51
4-Methyl-2-Pentanone
Concen: 498.015 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 814840

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

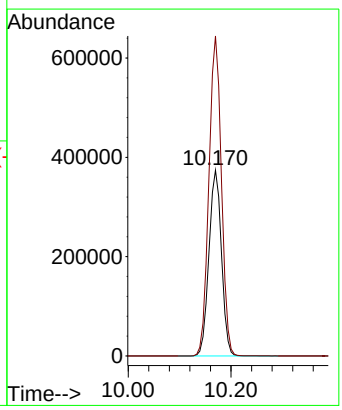


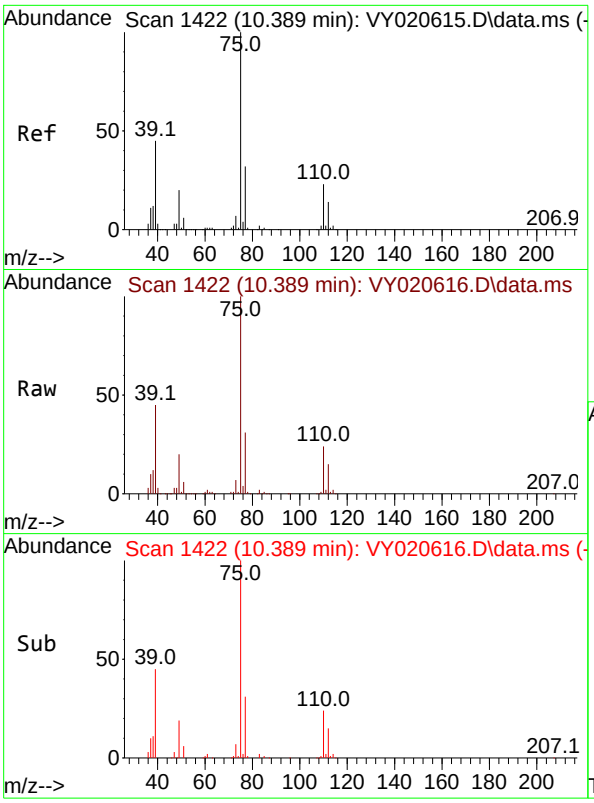


#52
Toluene
Concen: 99.573 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 92 Resp: 631368

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



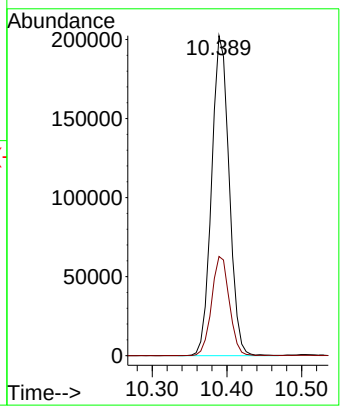


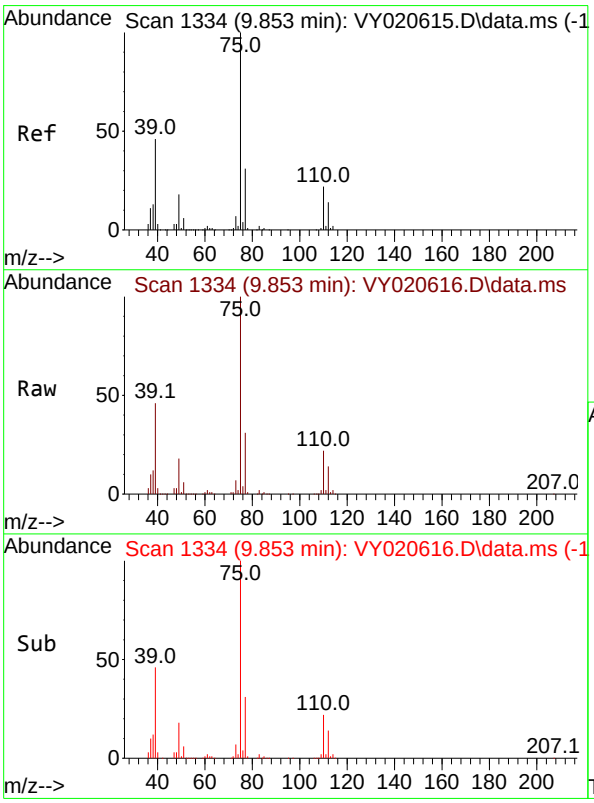
#53
t-1,3-Dichloropropene
Concen: 104.287 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 330795

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

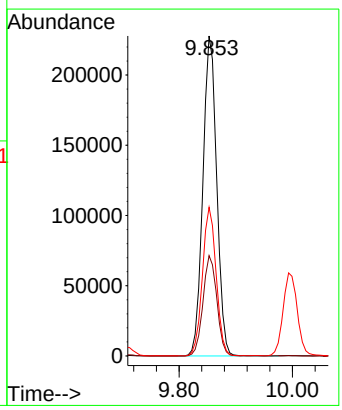


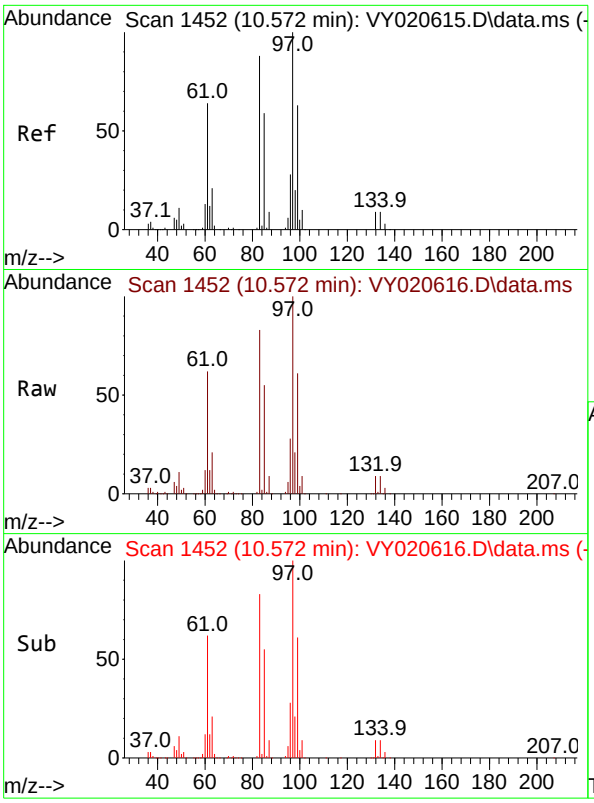


#54
cis-1,3-Dichloropropene
Concen: 102.884 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



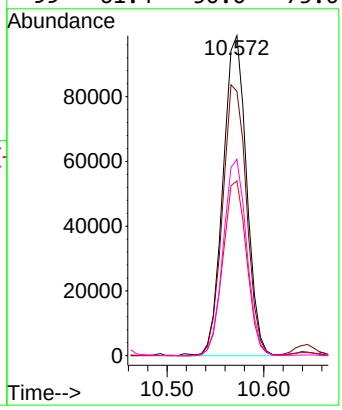


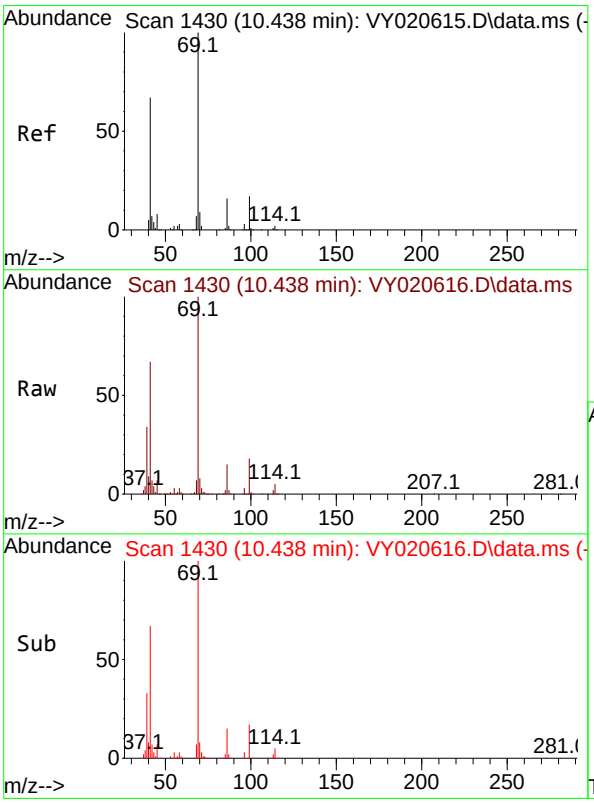
#55
1,1,2-Trichloroethane
Concen: 100.352 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

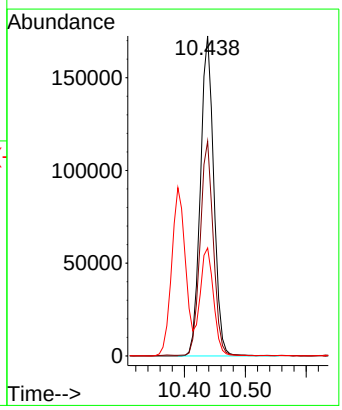


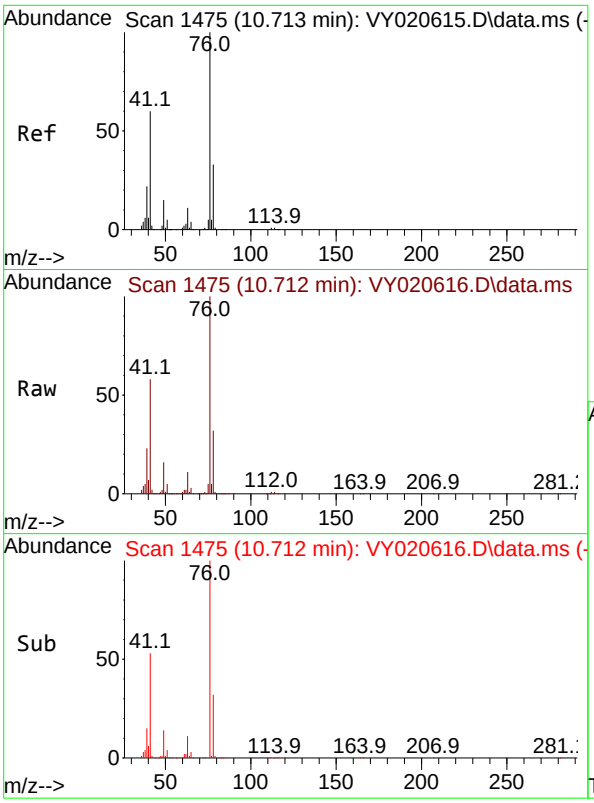


#56
Ethyl methacrylate
Concen: 109.090 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



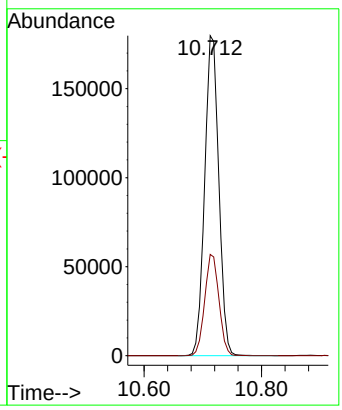


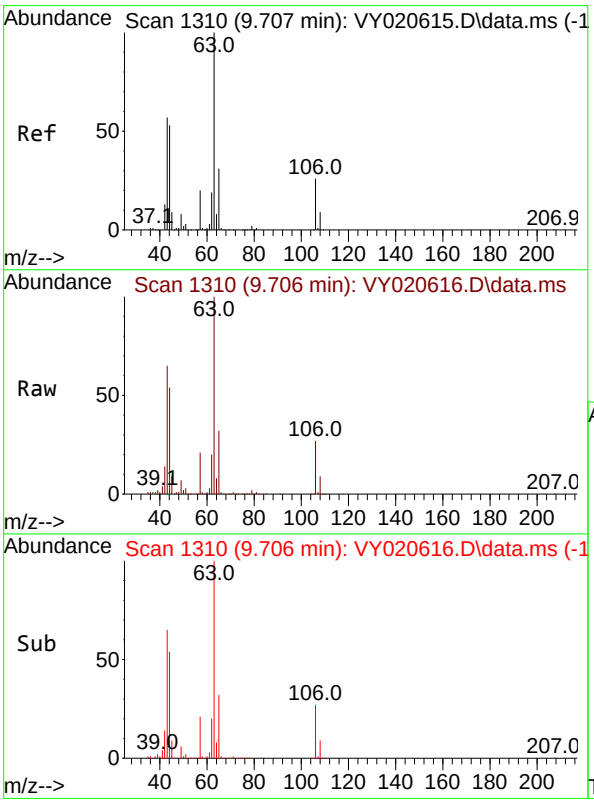
#57
1,3-Dichloropropane
Concen: 100.965 ug/l
RT: 10.712 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 299884

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

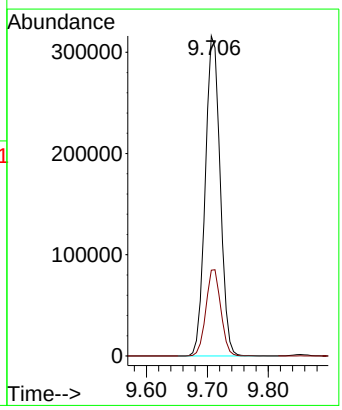


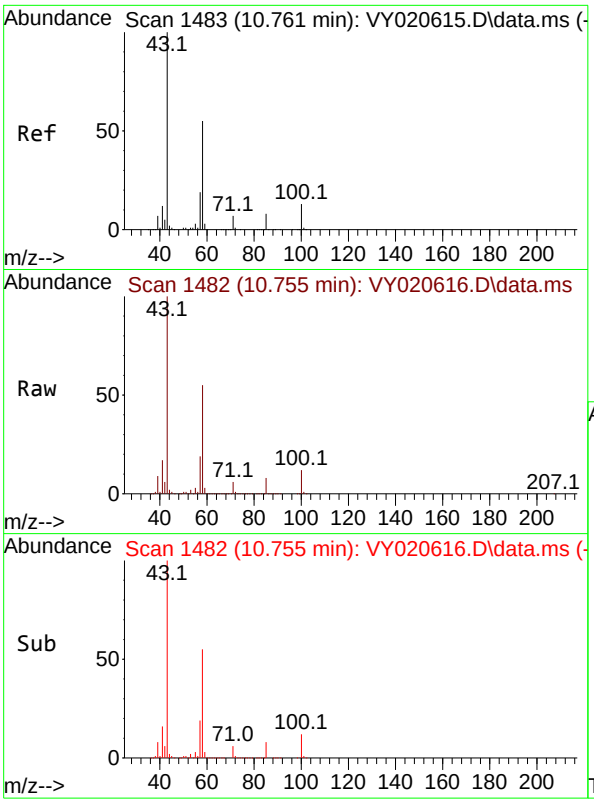


#58
2-Chloroethyl Vinyl ether
Concen: 527.303 ug/l
RT: 9.706 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 536306

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



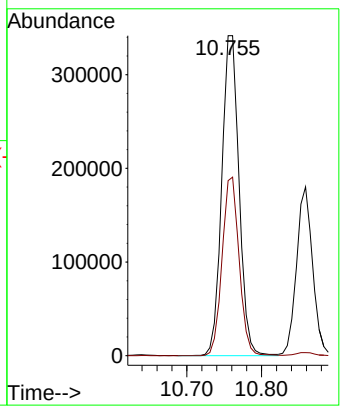


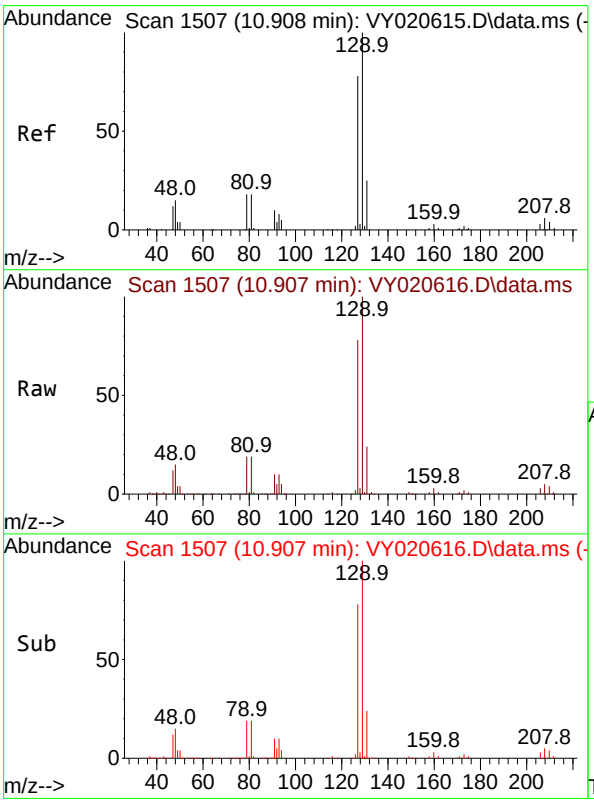
#59
2-Hexanone
Concen: 521.929 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 548285

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.6

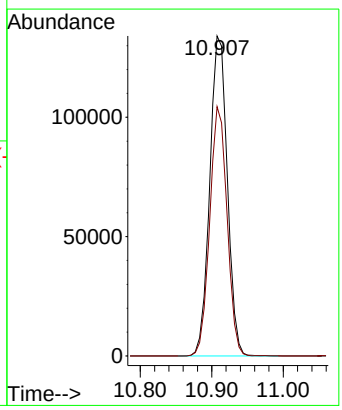


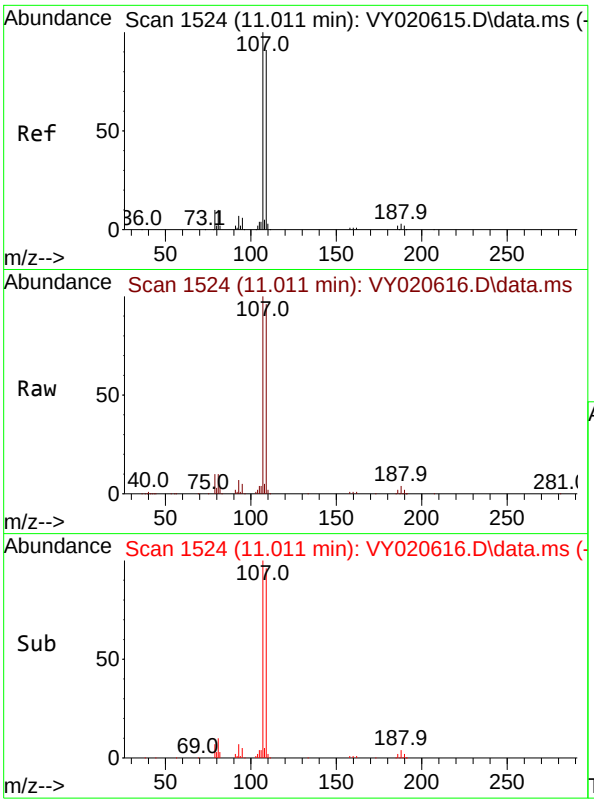


#60
Dibromochloromethane
Concen: 102.389 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:129 Resp: 228154

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3



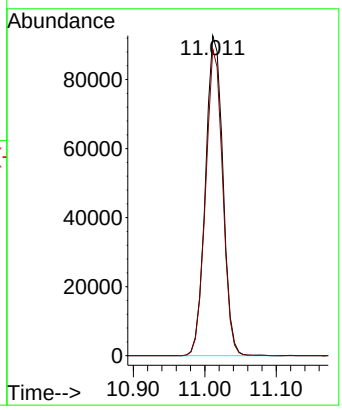


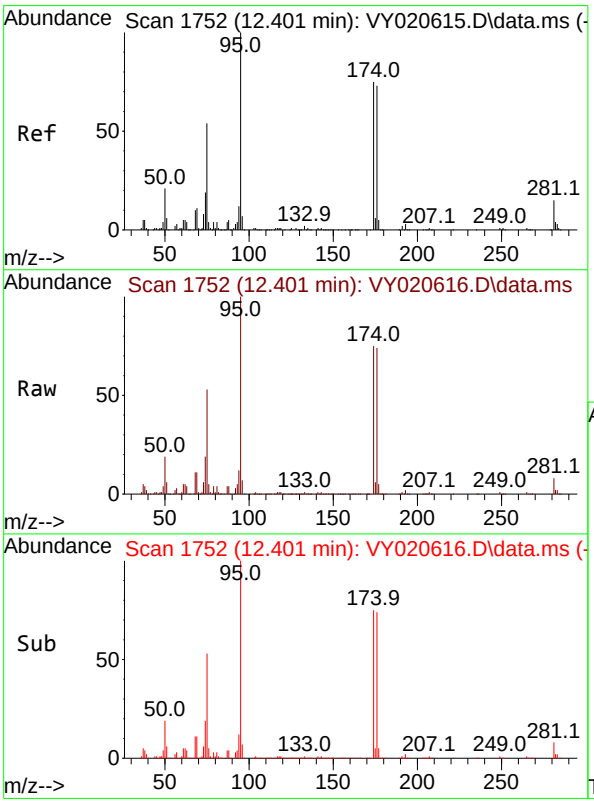
#61
1,2-Dibromoethane
Concen: 101.225 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 156883

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

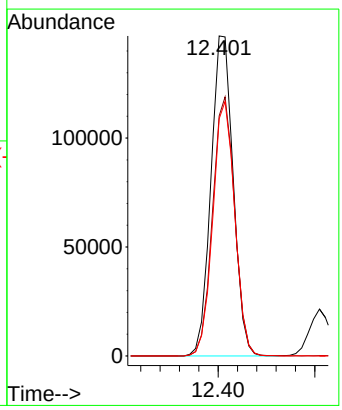


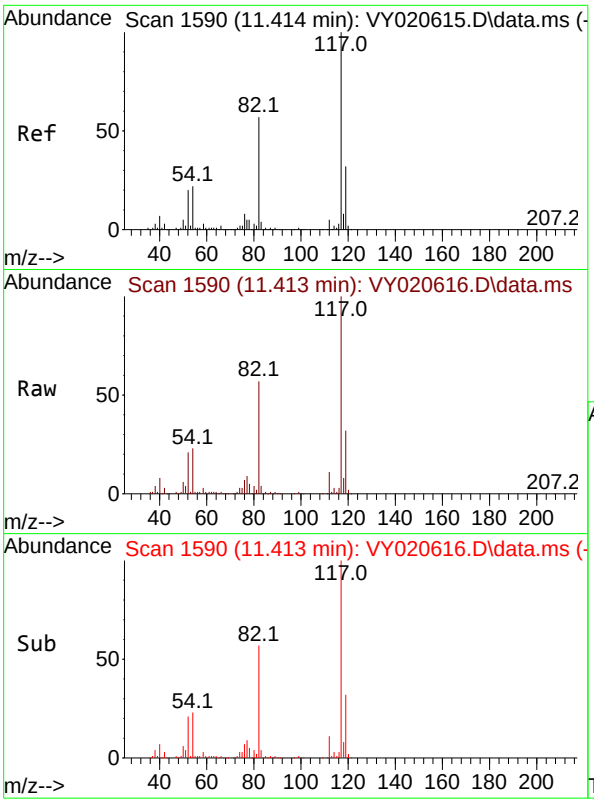


#62
4-Bromofluorobenzene
Concen: 89.665 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



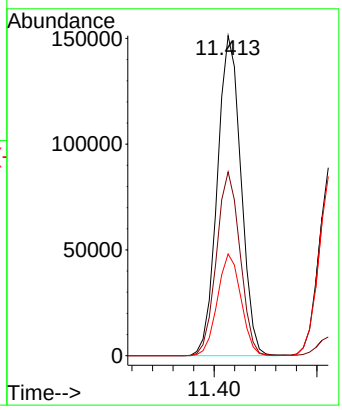


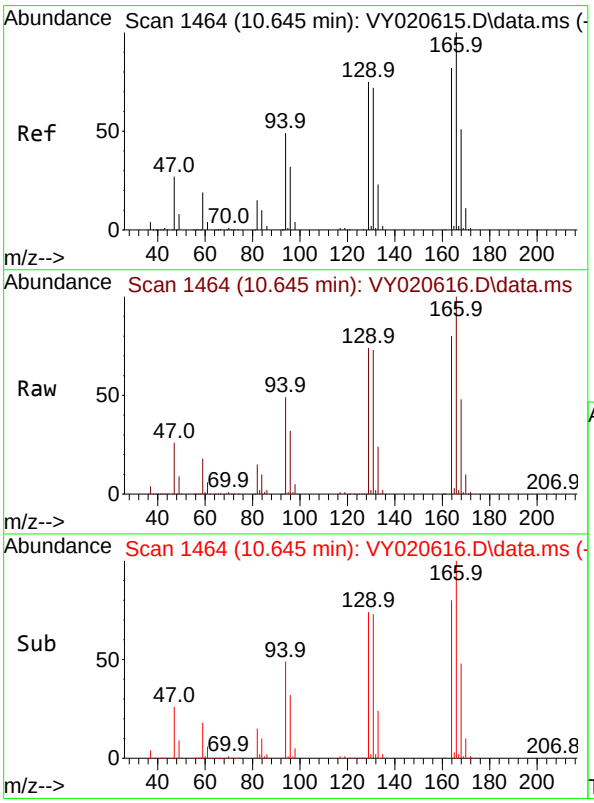
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

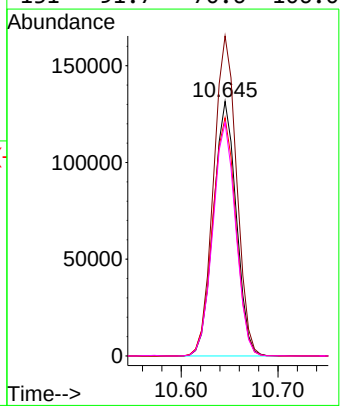


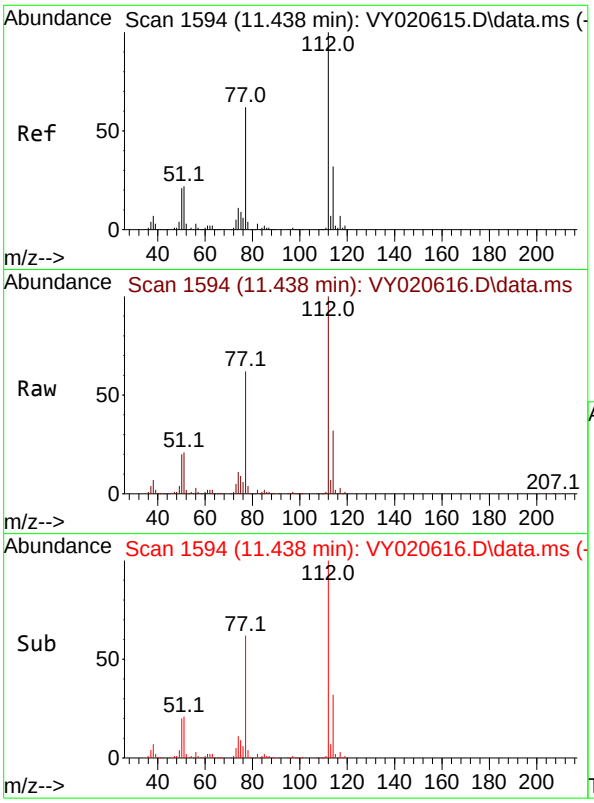


#64
Tetrachloroethene
Concen: 94.803 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



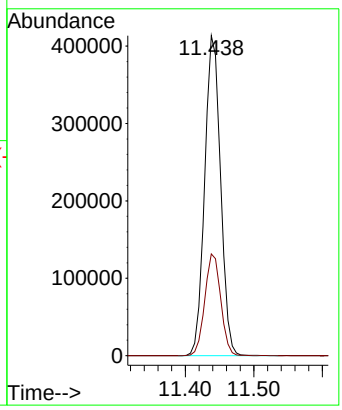


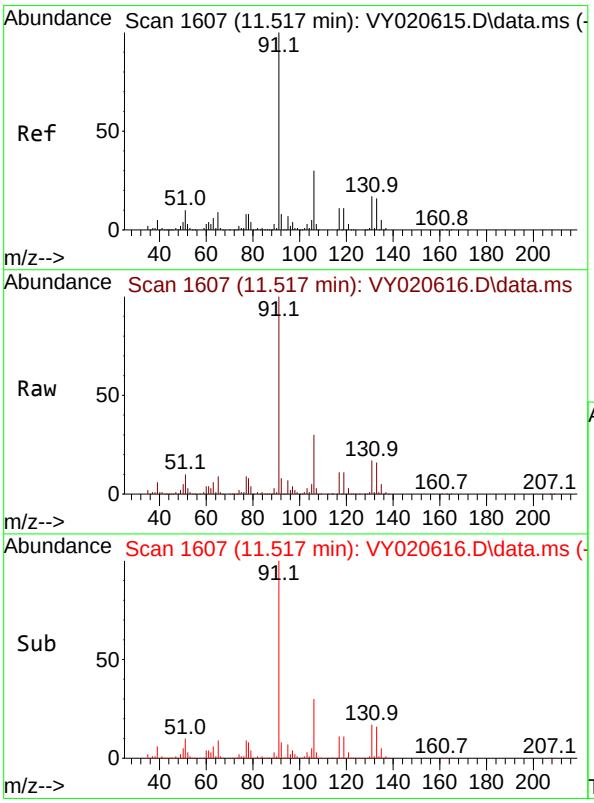
#65
Chlorobenzene
Concen: 98.800 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 667347

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

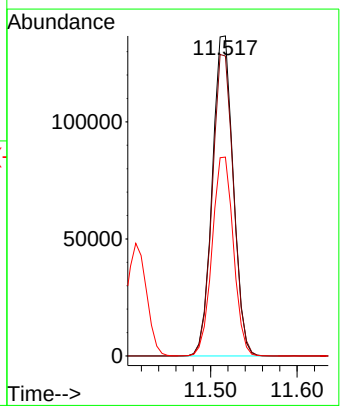


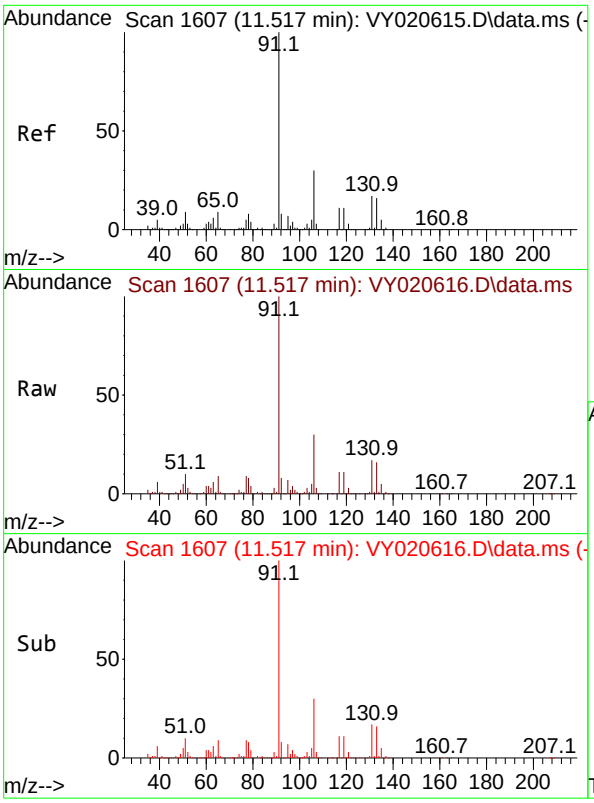


#66
1,1,1,2-Tetrachloroethane
Concen: 99.489 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



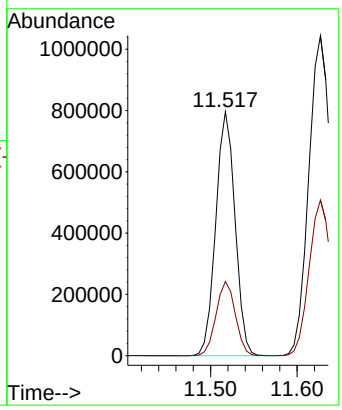


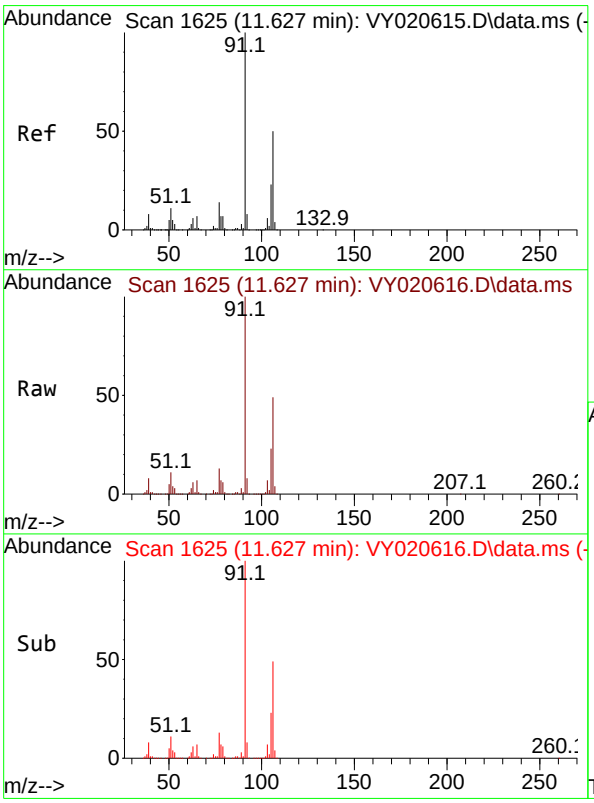
#67
Ethyl Benzene
Concen: 98.607 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1228775

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

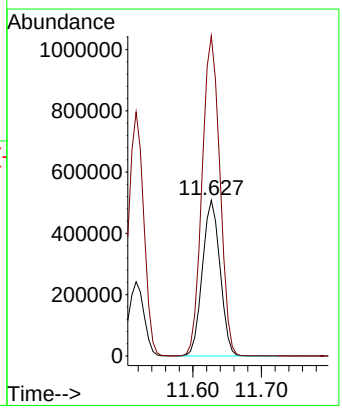


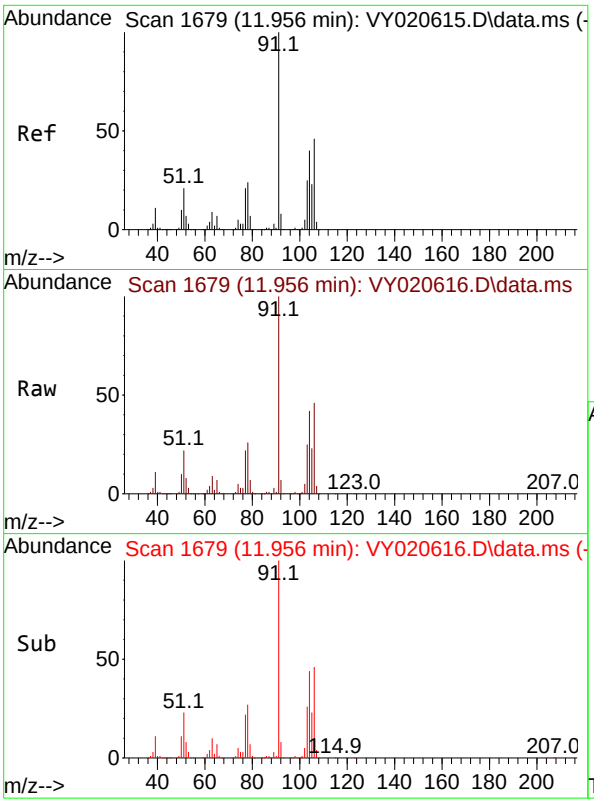


#68
m/p-Xylenes
Concen: 196.521 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:106 Resp: 910536

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4



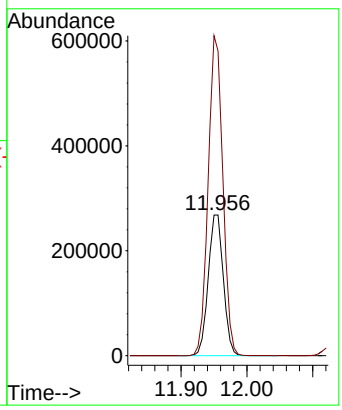


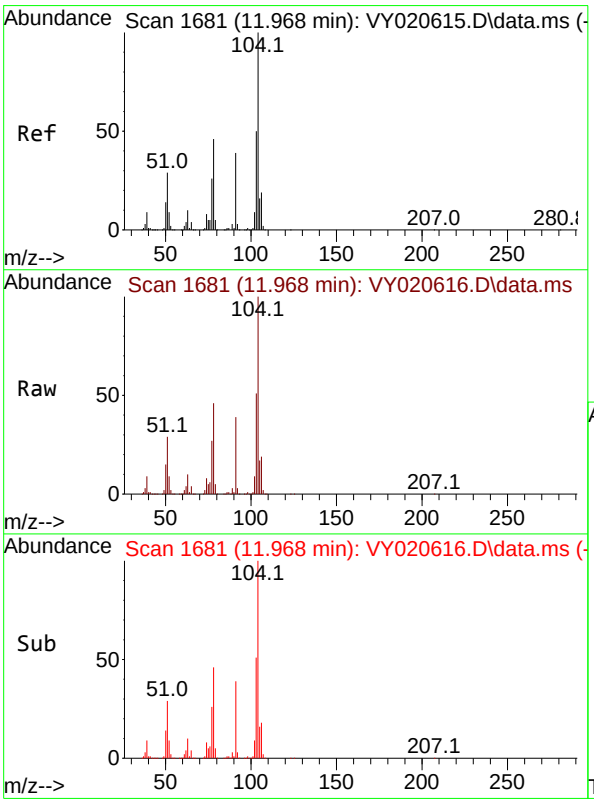
#69
o-Xylene
Concen: 99.174 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 428727

Ion	Ratio	Lower	Upper
106	100		
91	221.0	108.4	325.2

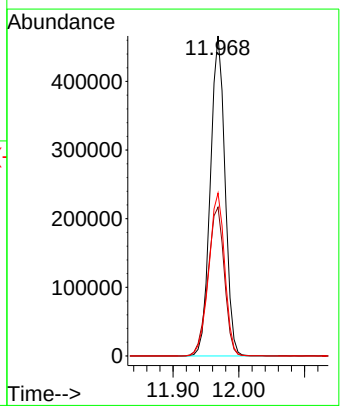


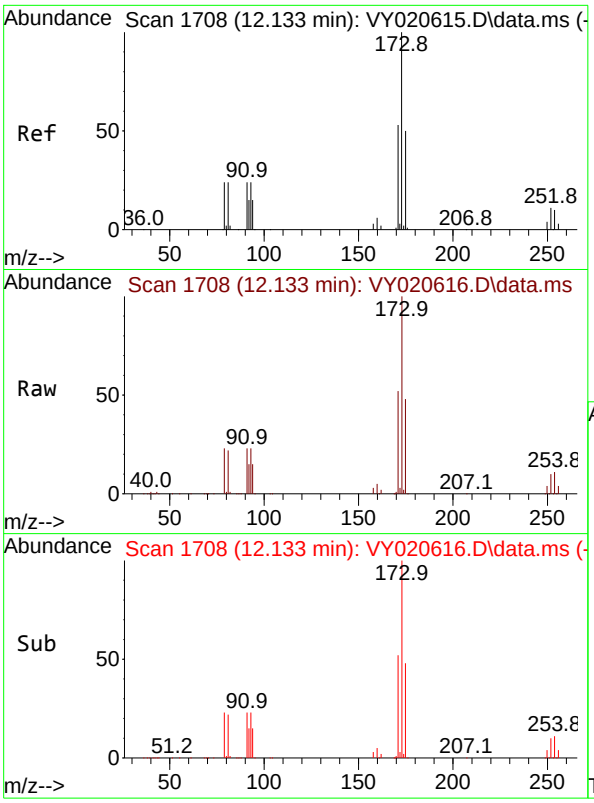


#70
Styrene
Concen: 100.401 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



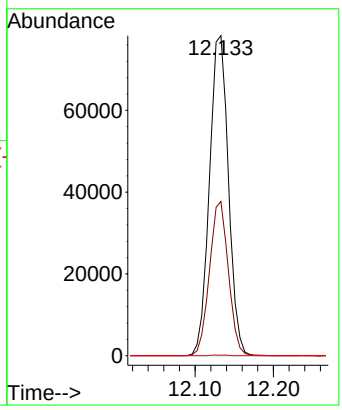


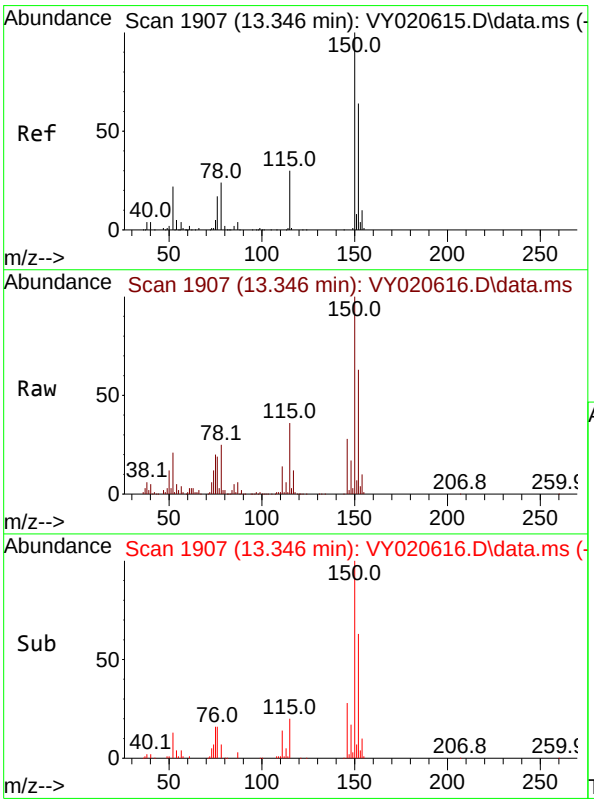
#71
Bromoform
Concen: 101.332 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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#

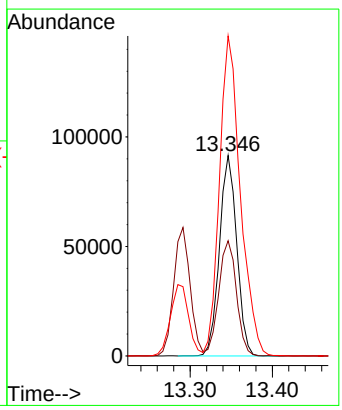


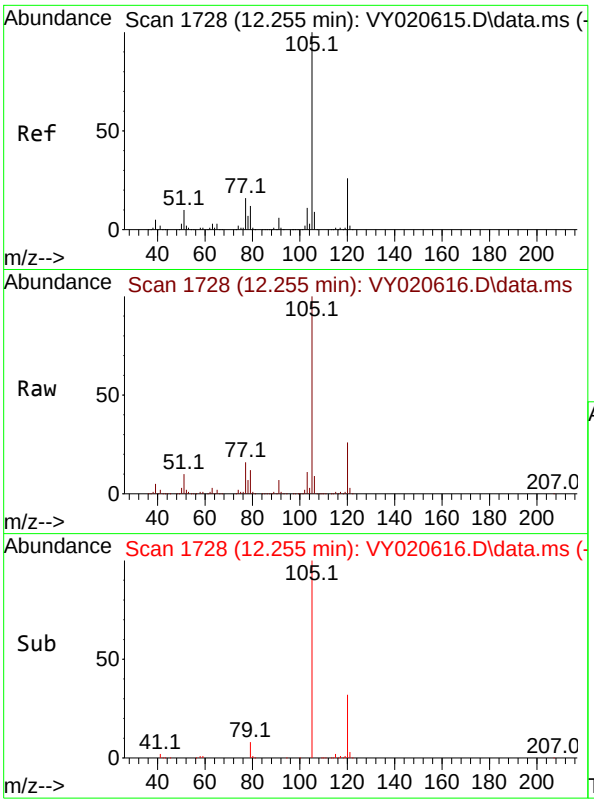


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



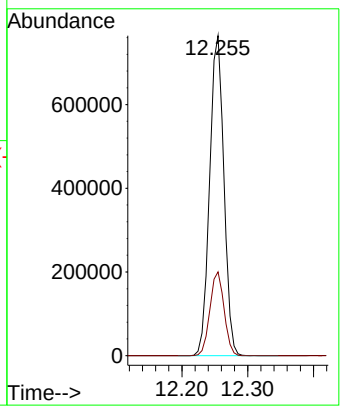


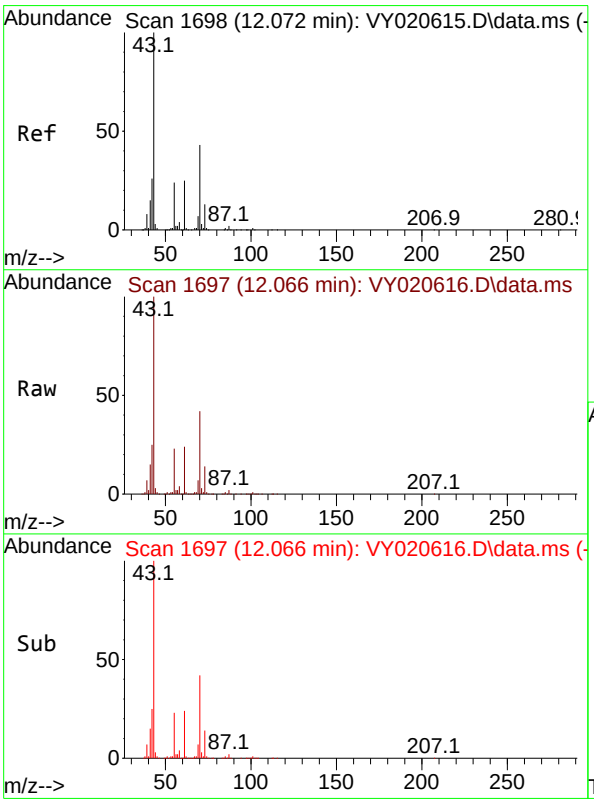
#73
Isopropylbenzene
Concen: 98.191 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1150948

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

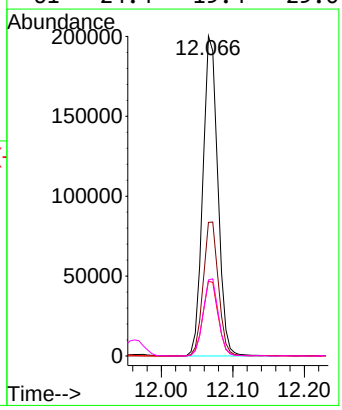


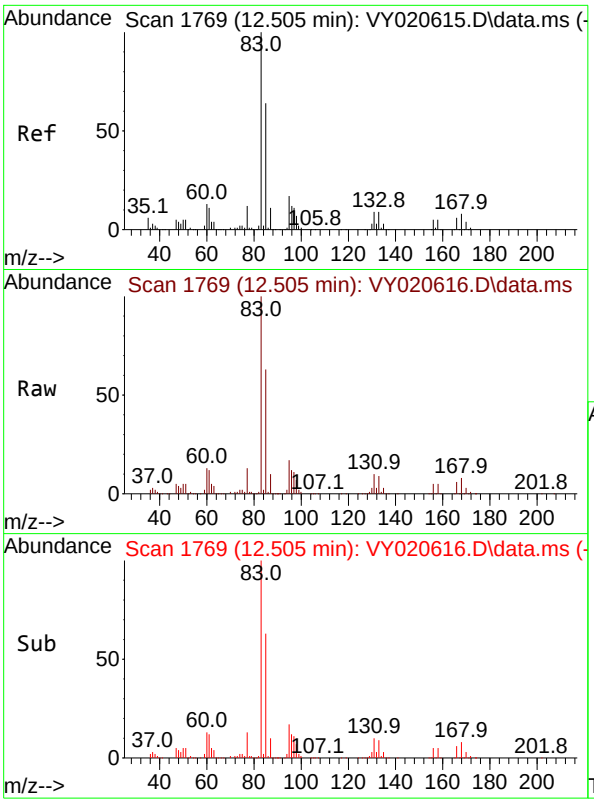


#74
N-amyl acetate
Concen: 106.582 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



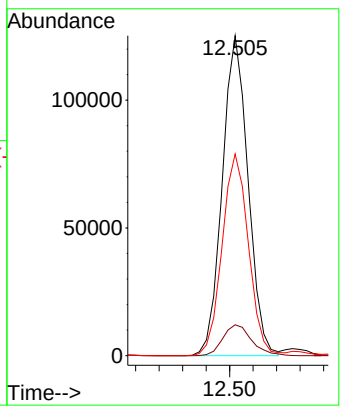


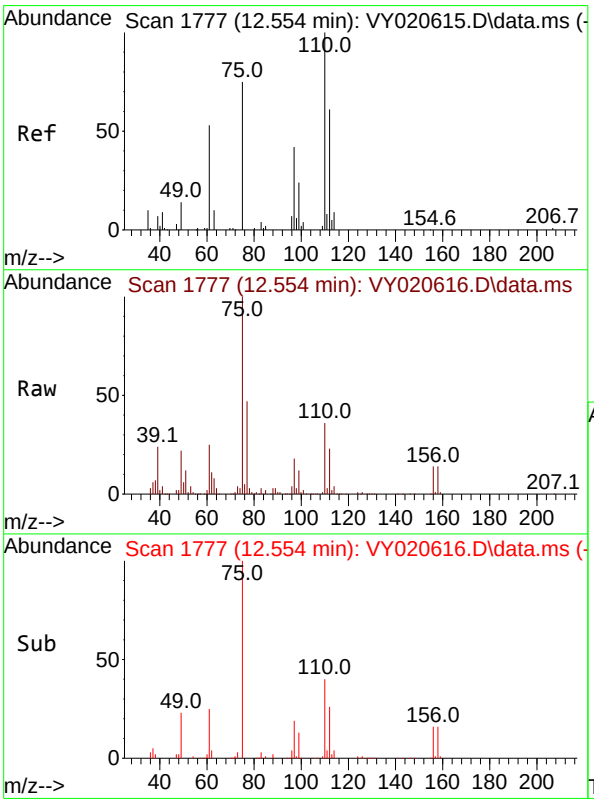
#75
1,1,2,2-Tetrachloroethane
Concen: 100.209 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

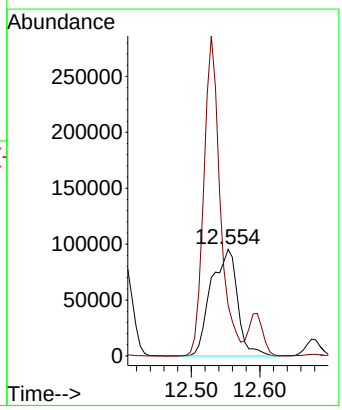


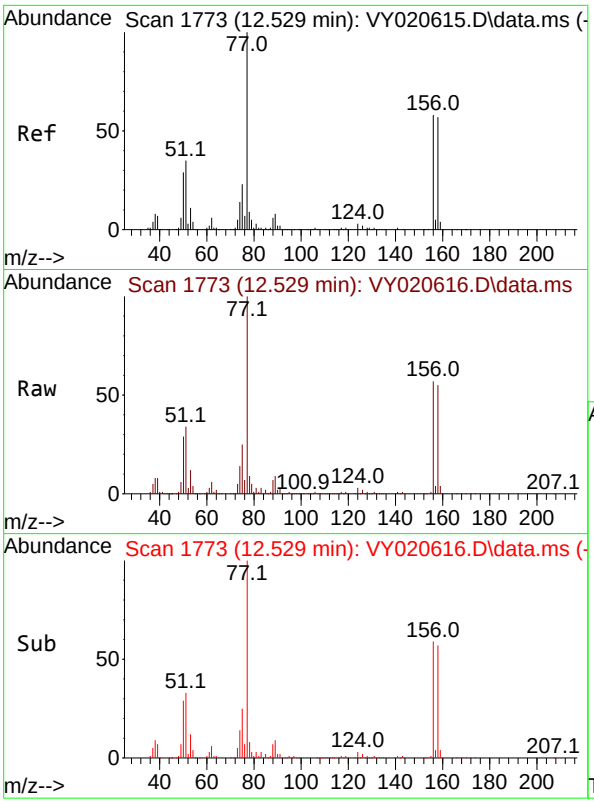


#76
1,2,3-Trichloropropane
Concen: 185.352 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 256421

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



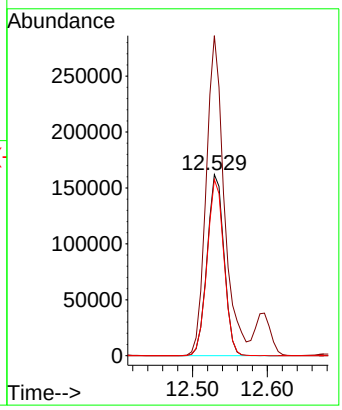


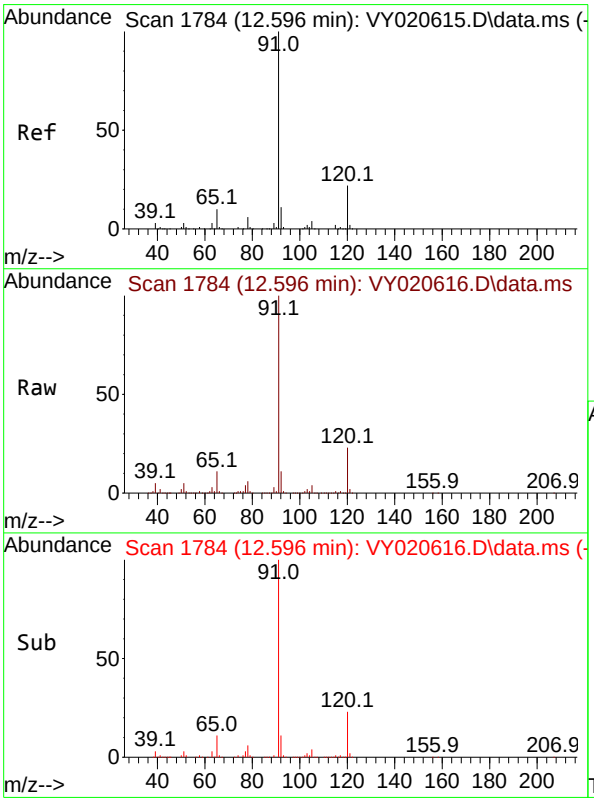
#77
Bromobenzene
Concen: 99.317 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

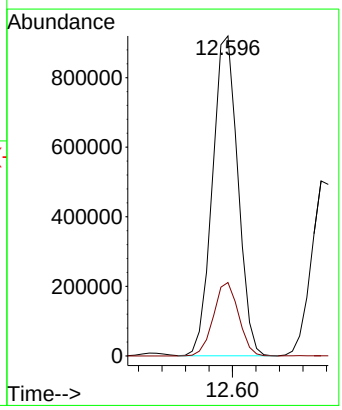


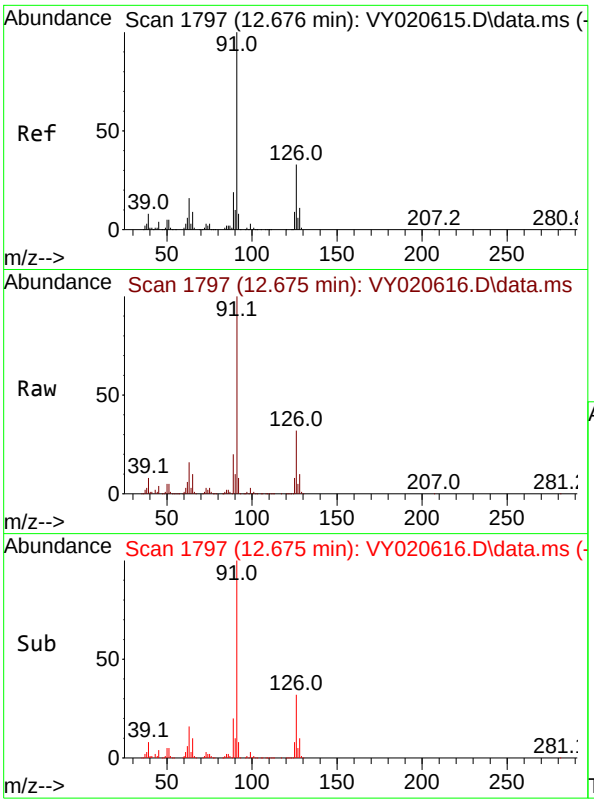


#78
n-propylbenzene
Concen: 97.980 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 1383699

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



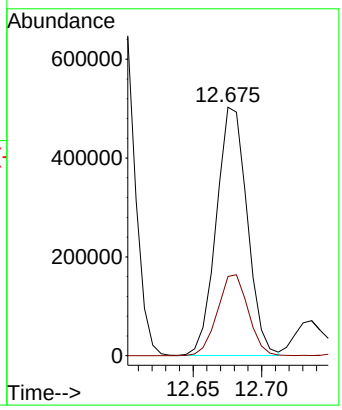


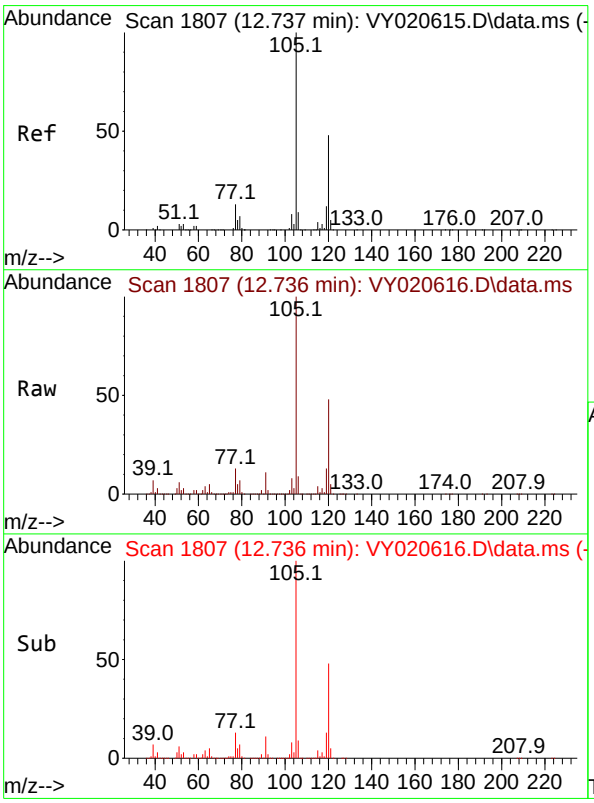
#79
2-Chlorotoluene
Concen: 99.147 ug/l
RT: 12.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 787764

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7

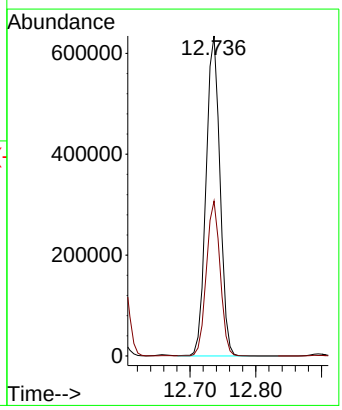


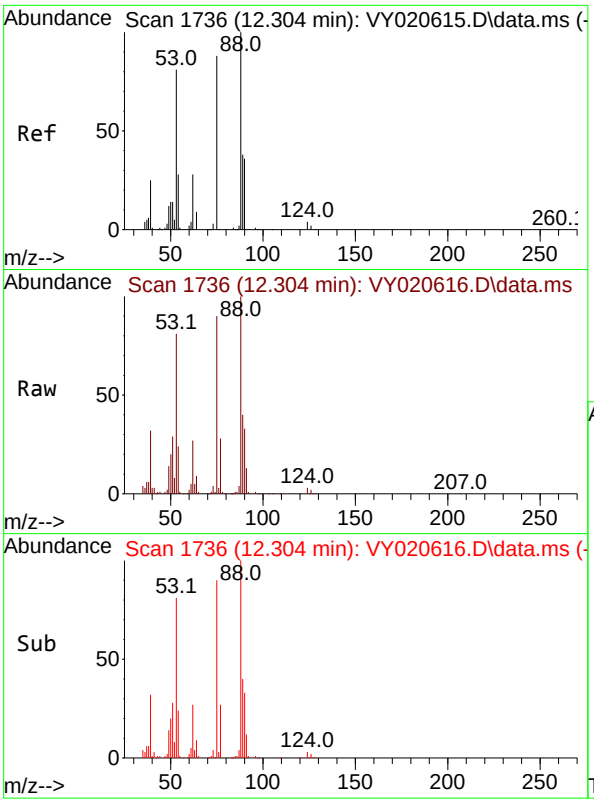


#80
1,3,5-Trimethylbenzene
Concen: 98.108 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 933106

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



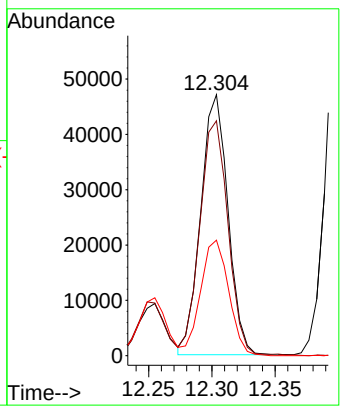


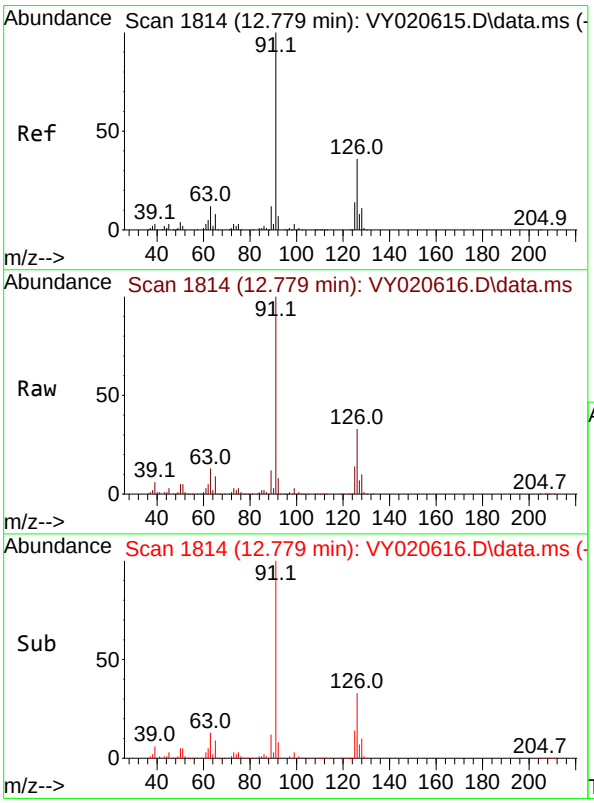
#81
trans-1,4-Dichloro-2-butene
Concen: 105.852 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

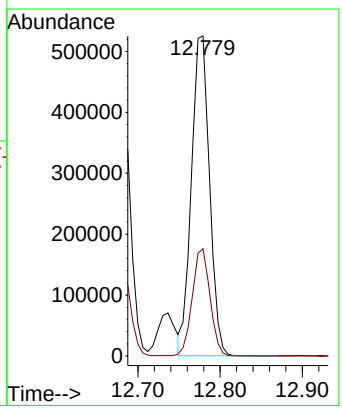


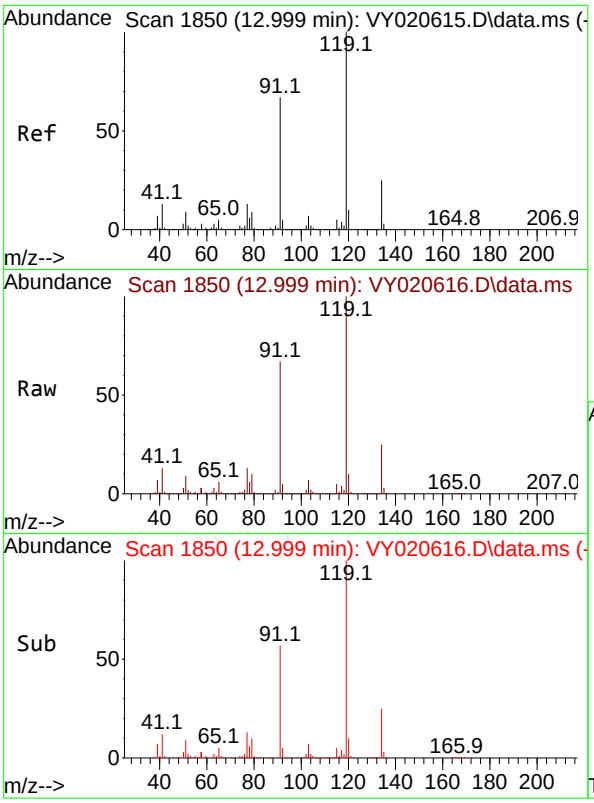


#82
4-Chlorotoluene
Concen: 97.558 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 804177

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7



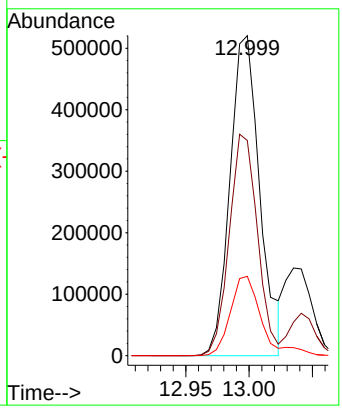


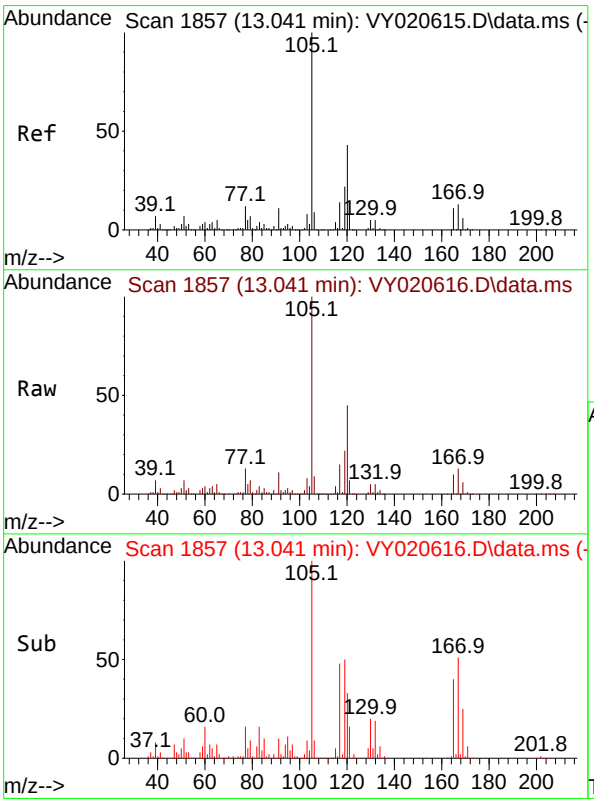
#83
tert-Butylbenzene
Concen: 99.108 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

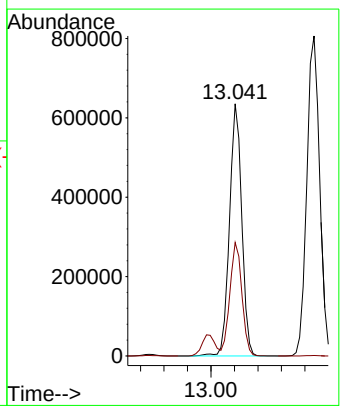


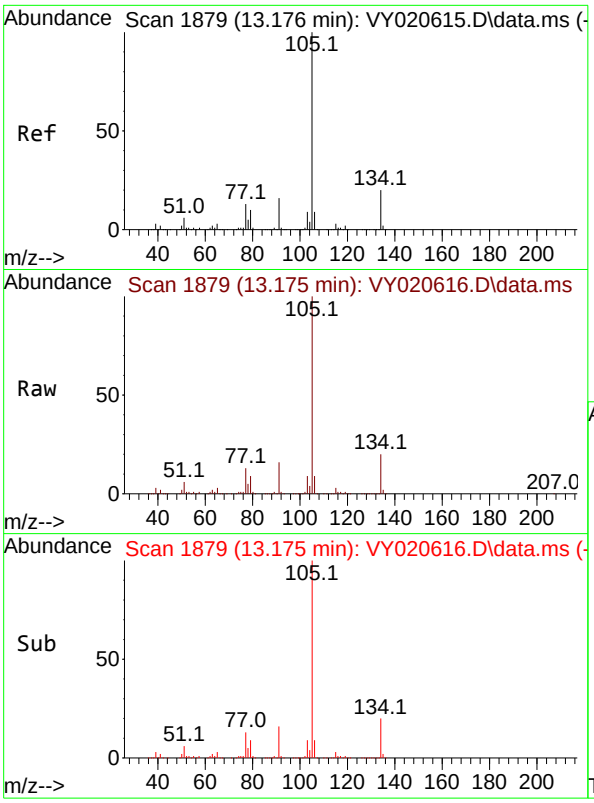


#84
1,2,4-Trimethylbenzene
Concen: 98.727 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 921051

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.4



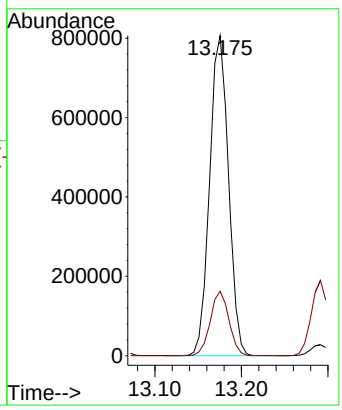


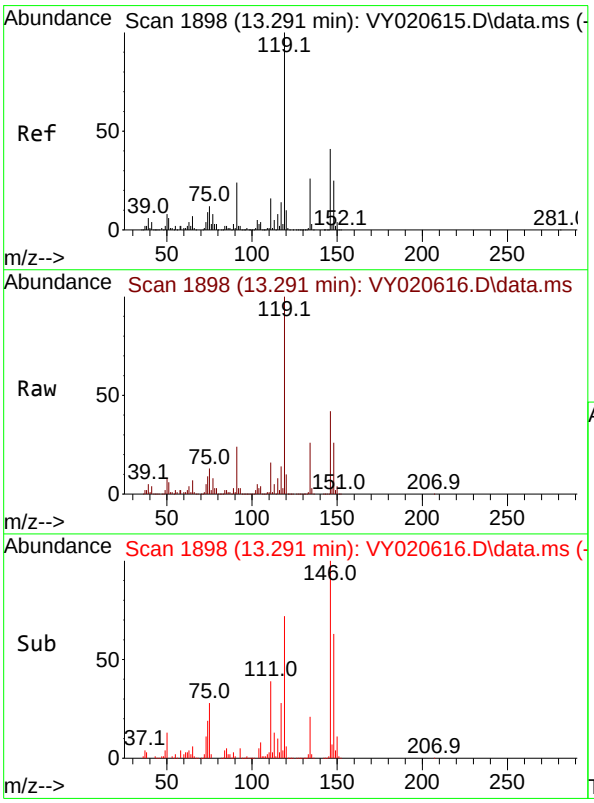
#85
sec-Butylbenzene
Concen: 97.450 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1220465

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

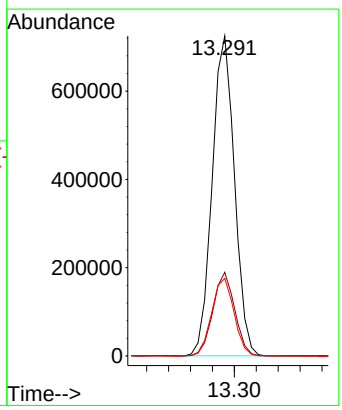


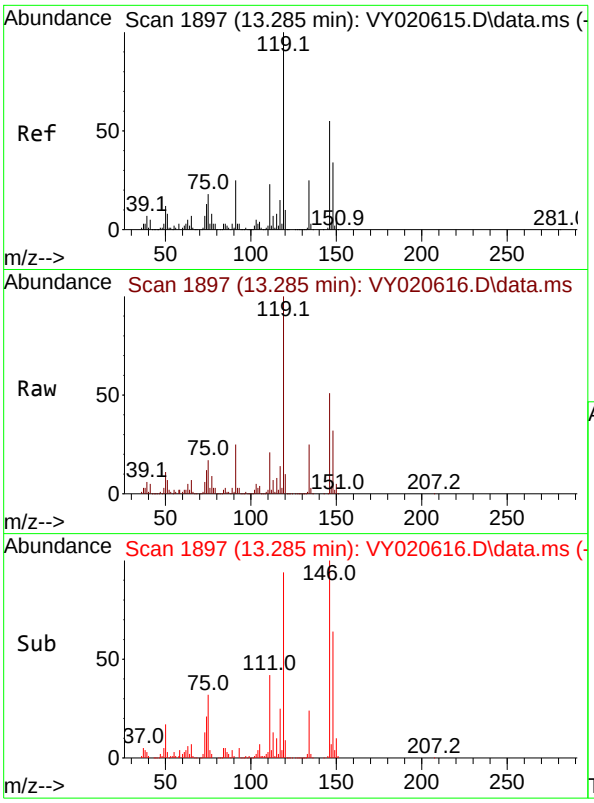


#86
p-Isopropyltoluene
Concen: 99.089 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



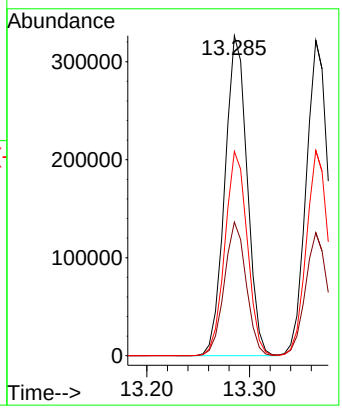


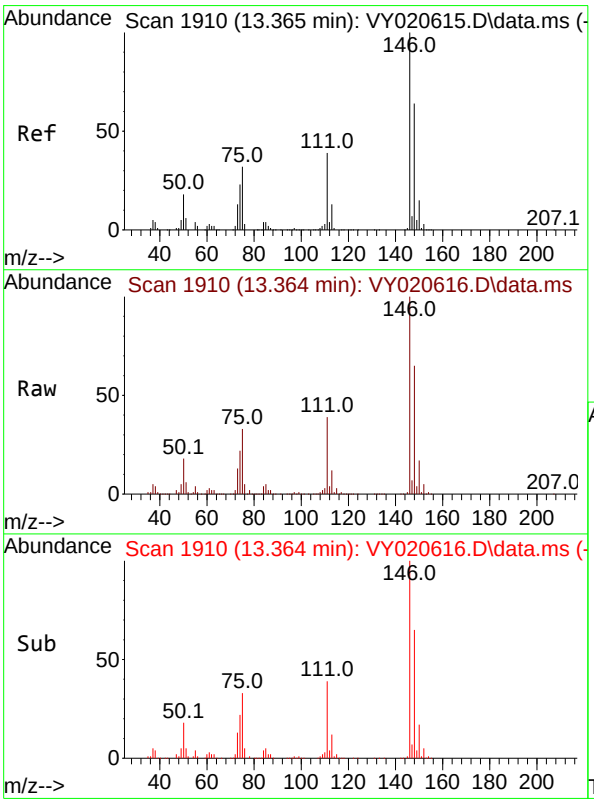
#87
1,3-Dichlorobenzene
Concen: 97.633 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

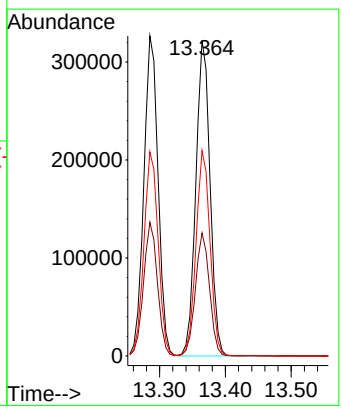


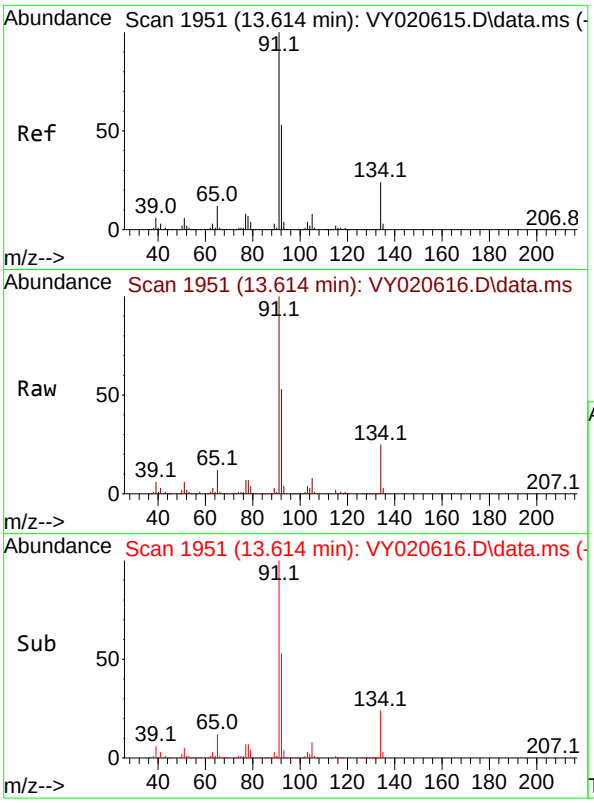


#88
1,4-Dichlorobenzene
Concen: 96.707 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



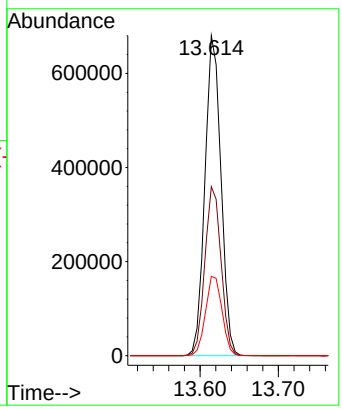


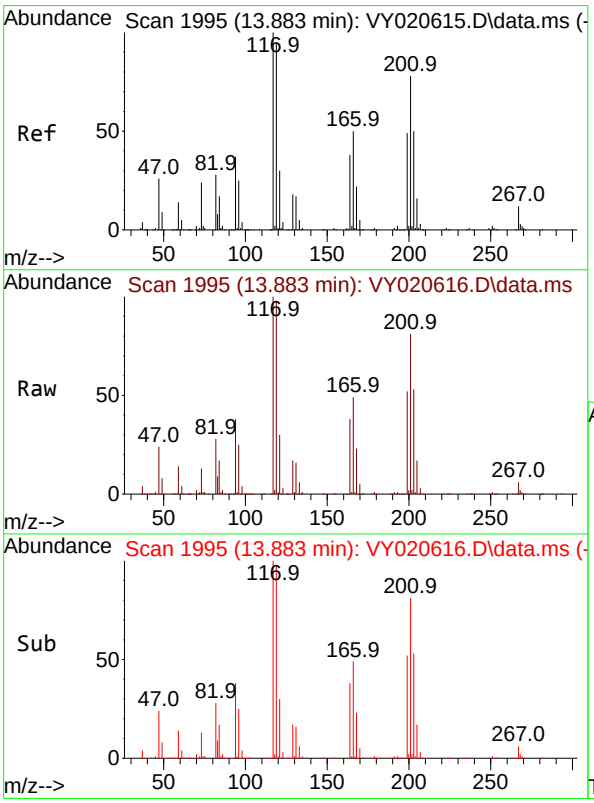
#89
n-Butylbenzene
Concen: 98.789 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

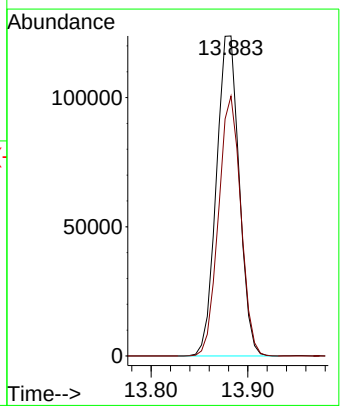


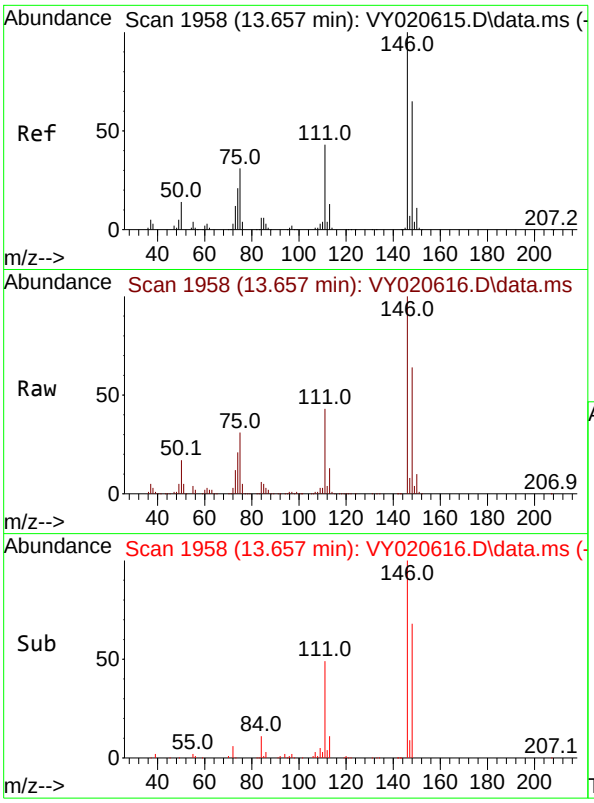


#90
Hexachloroethane
Concen: 98.910 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 202399

Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.1	117.3



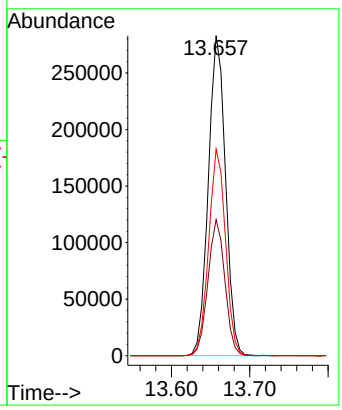


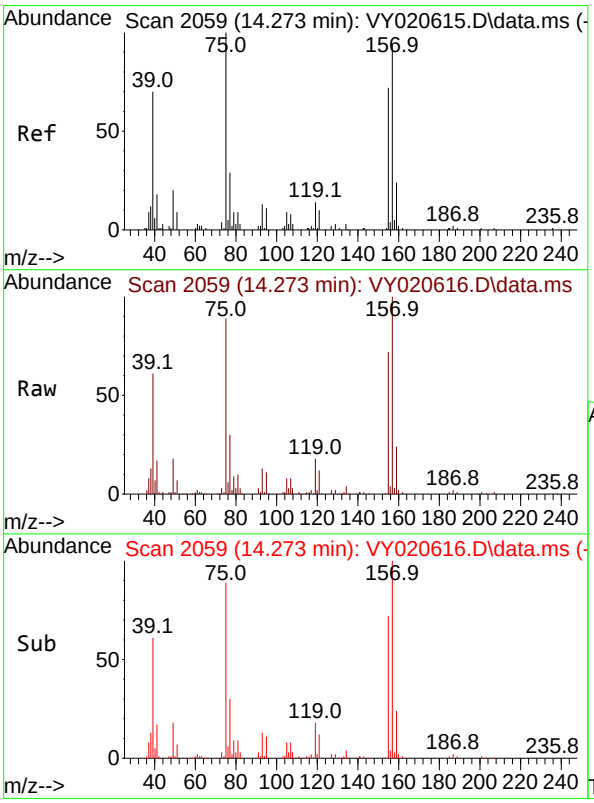
#91
1,2-Dichlorobenzene
Concen: 98.552 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

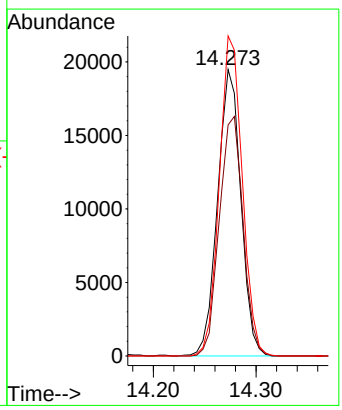


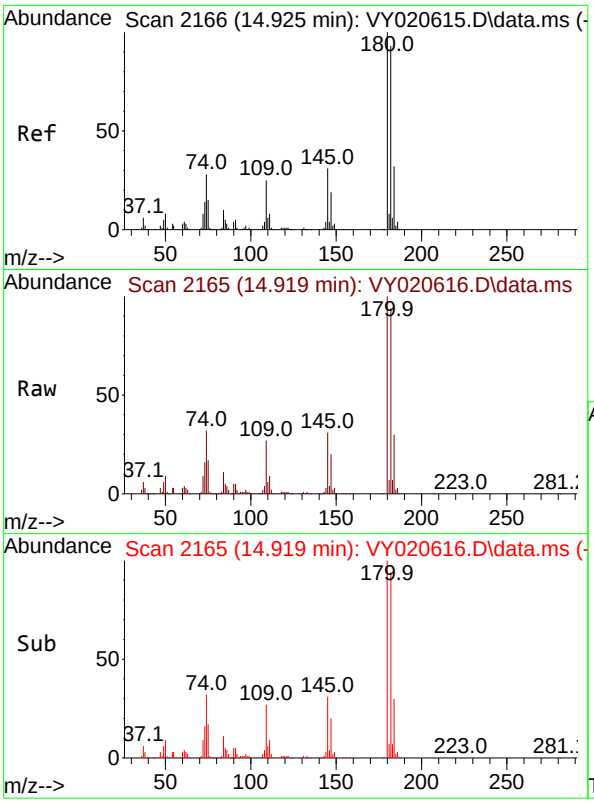


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.008 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



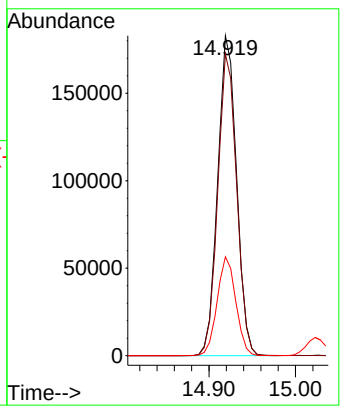


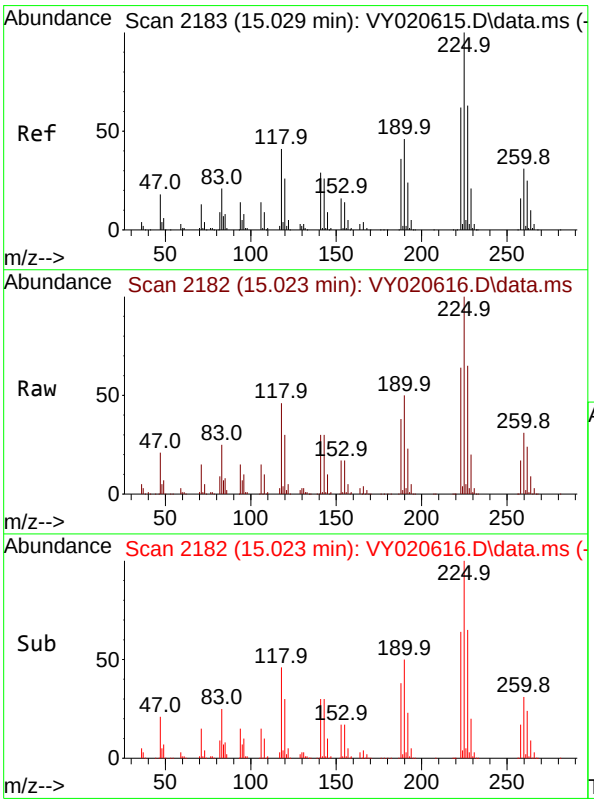
#93
1,2,4-Trichlorobenzene
Concen: 104.790 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

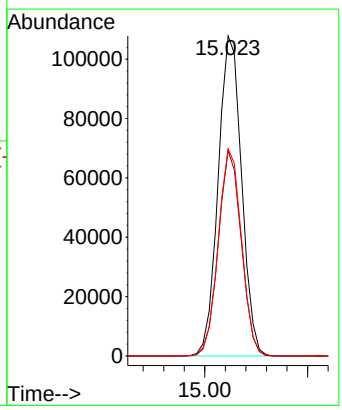


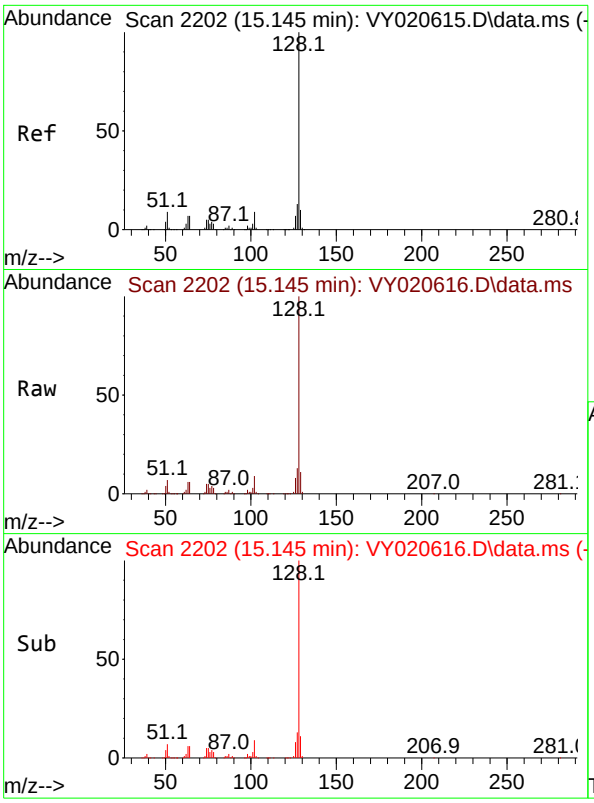


#94
Hexachlorobutadiene
Concen: 98.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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



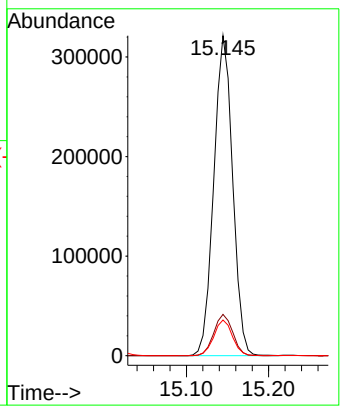


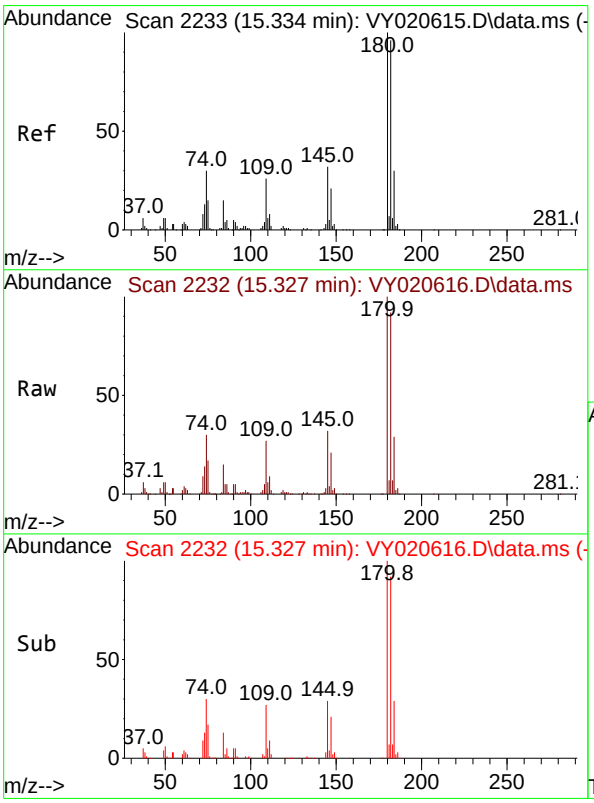
#95
Naphthalene
Concen: 113.046 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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

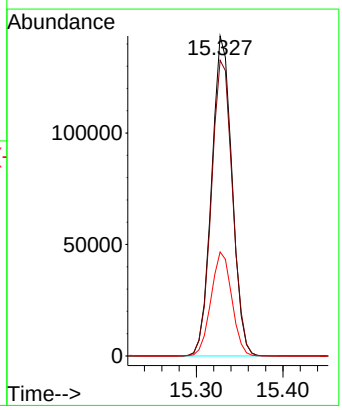




#96
1,2,3-Trichlorobenzene
Concen: 105.207 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

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)

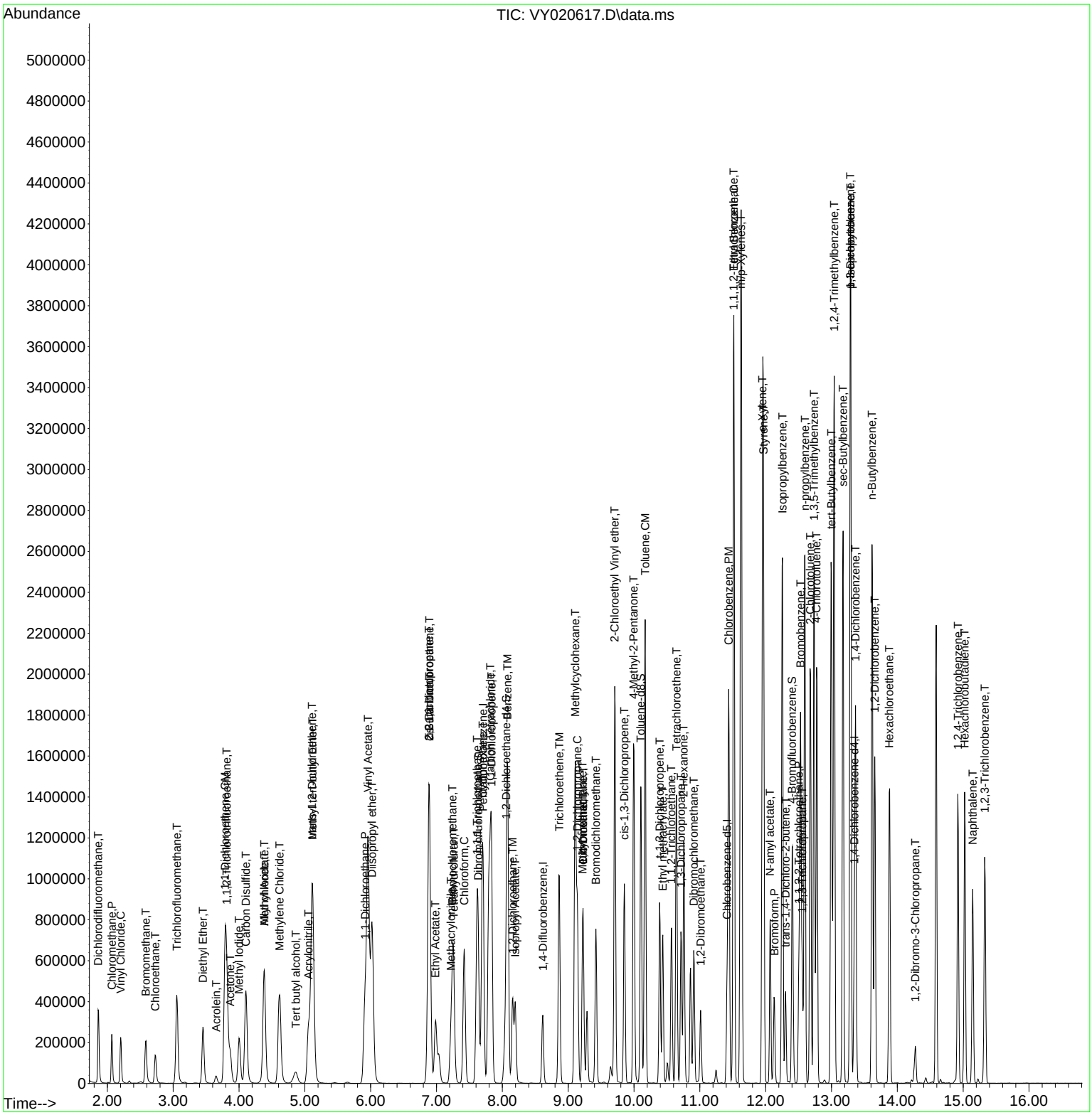
(#) = qualifier out of range (m) = manual integration (+) = signals summed

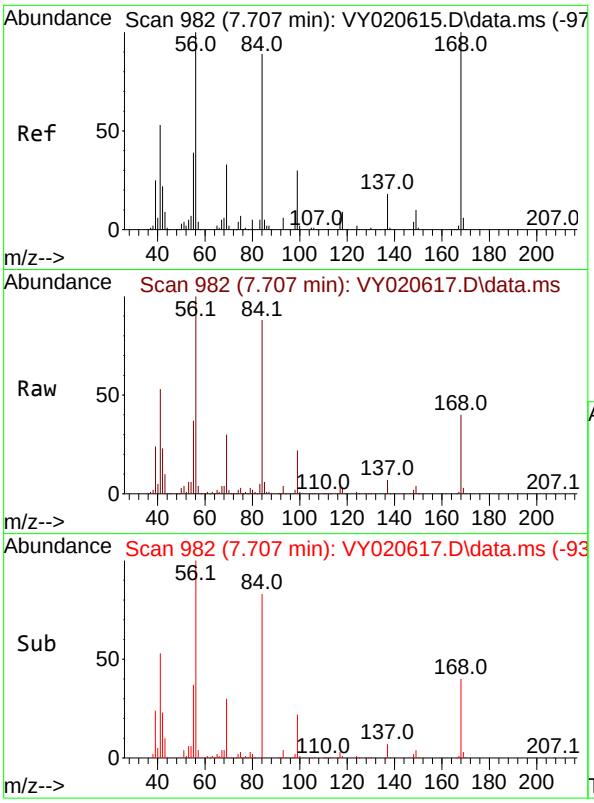
Quantitation Report (Not Reviewed)

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



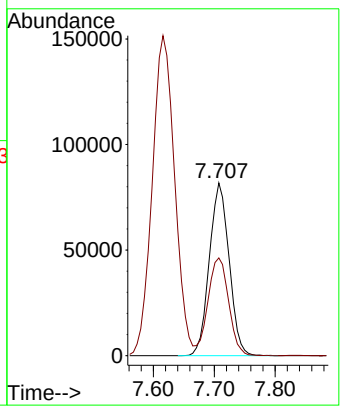


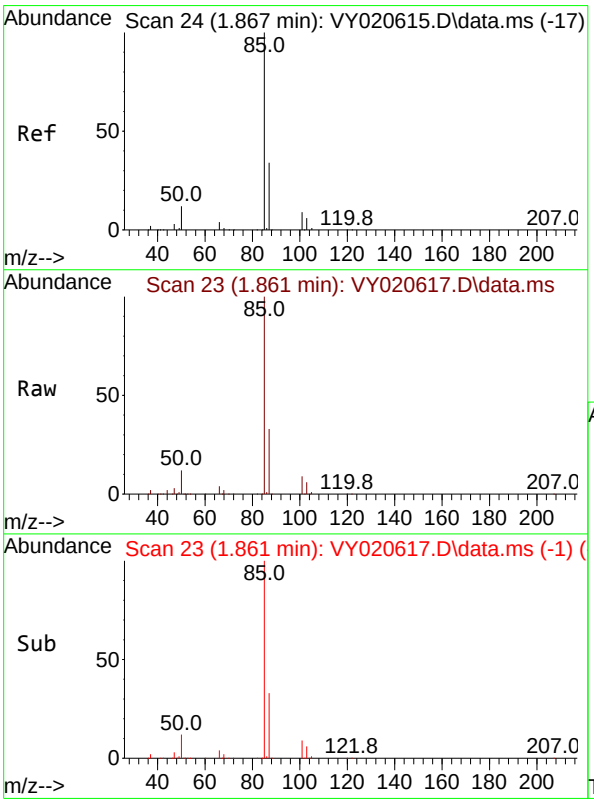
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 184362

Ion	Ratio	Lower	Upper
168	100		
99	56.5	47.0	70.6

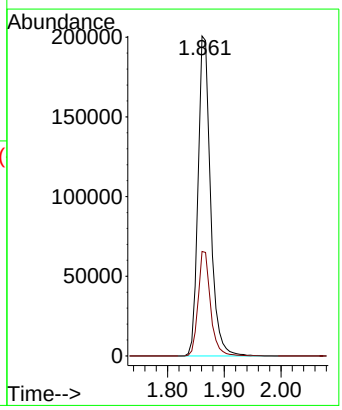


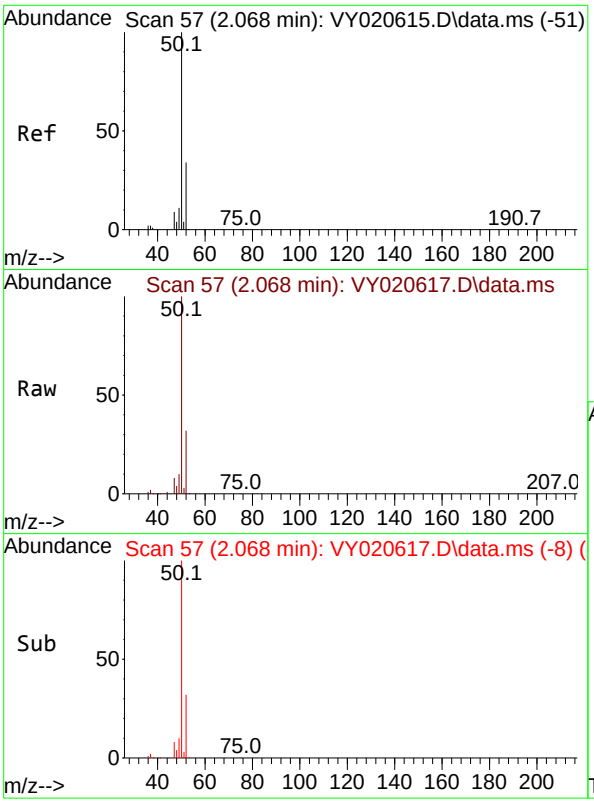


#2
Dichlorodifluoromethane
Concen: 132.646 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 85 Resp: 305452

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3



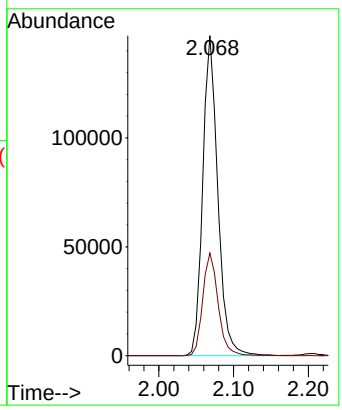


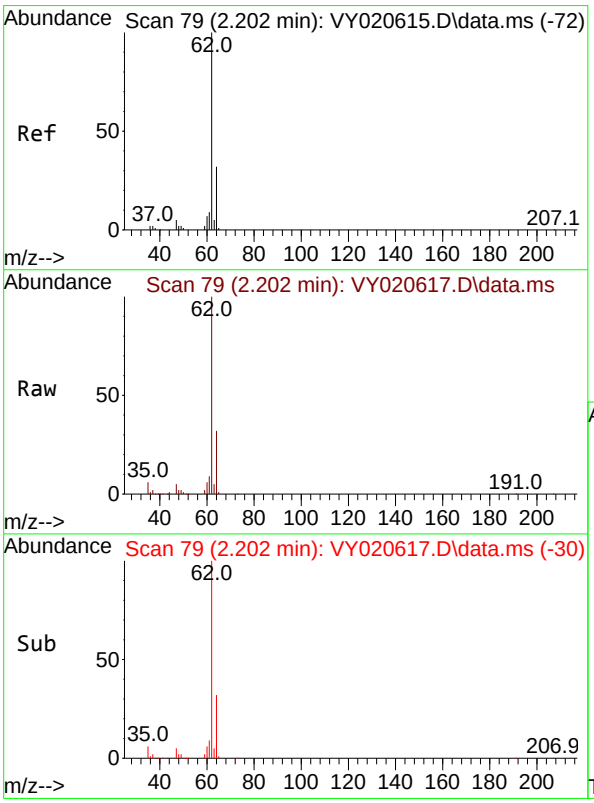
#3
Chloromethane
Concen: 120.474 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 205555

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.8	40.2

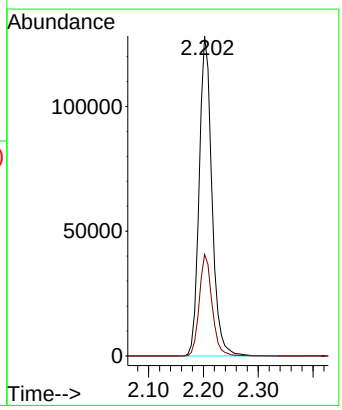


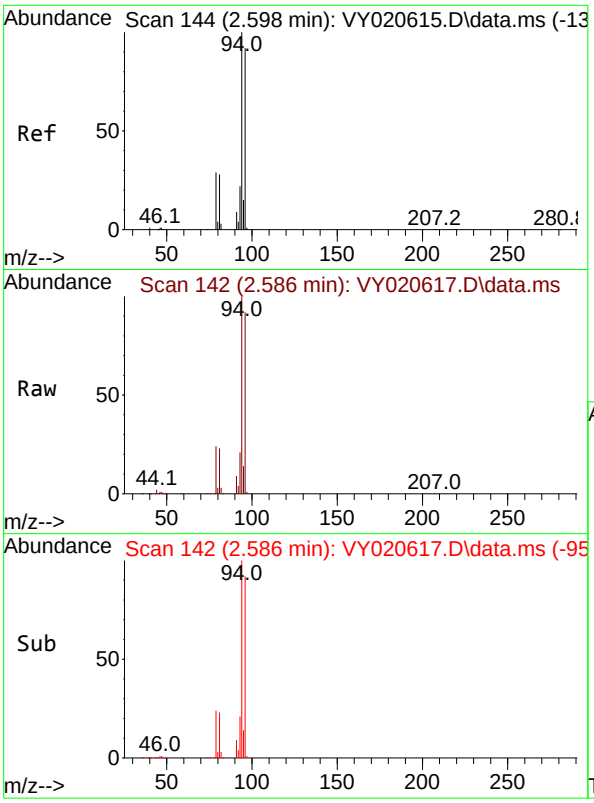


#4
Vinyl Chloride
Concen: 130.199 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 206764

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



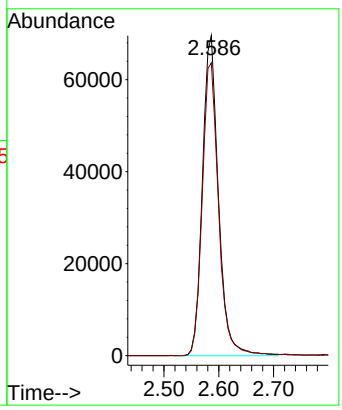


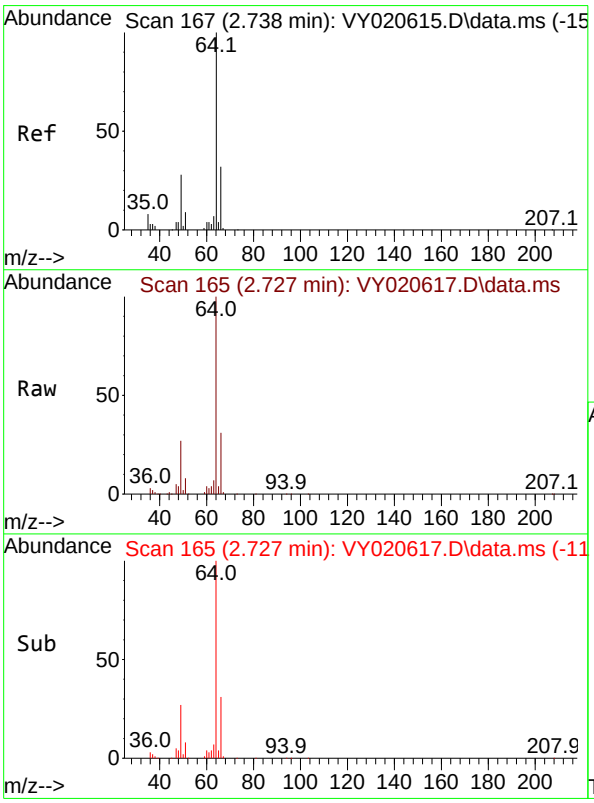
#5
Bromomethane
Concen: 137.550 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 140413

Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.8	110.6

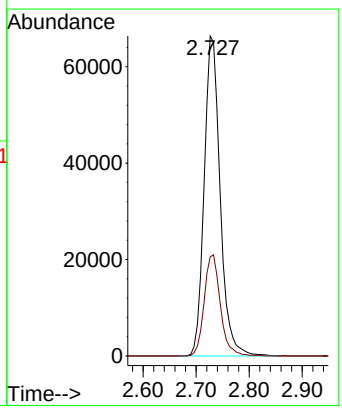


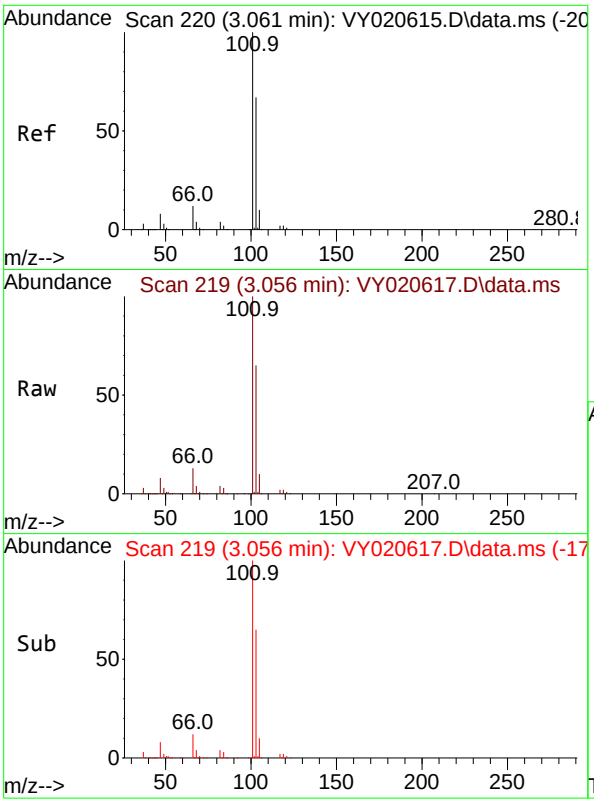


#6
Chloroethane
Concen: 141.459 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 64 Resp: 138821

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6



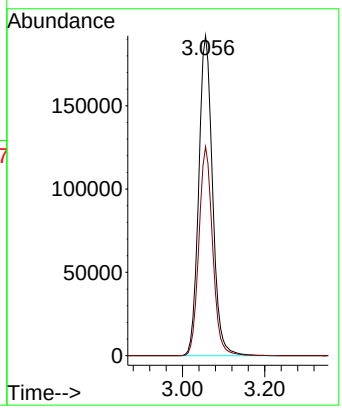


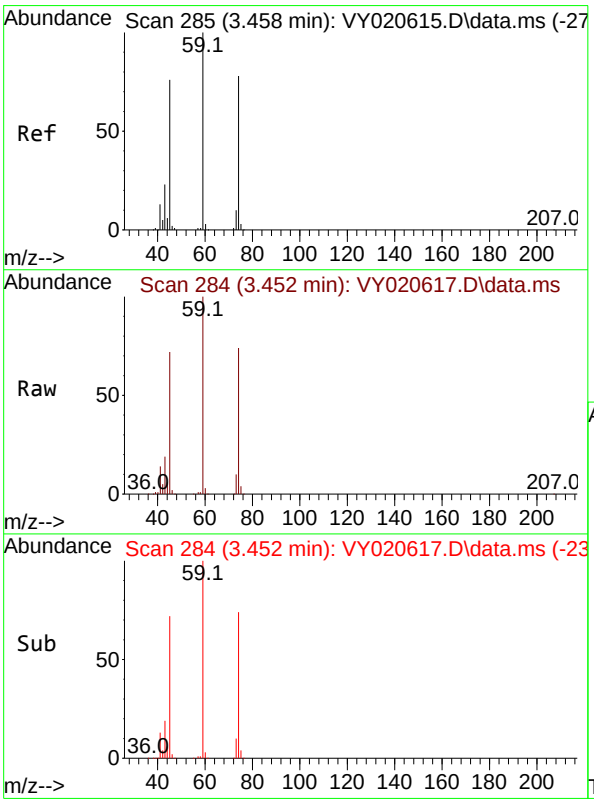
#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 447890

Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.0

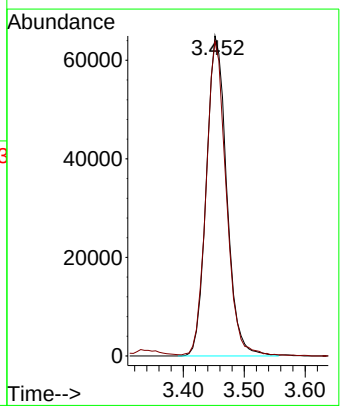


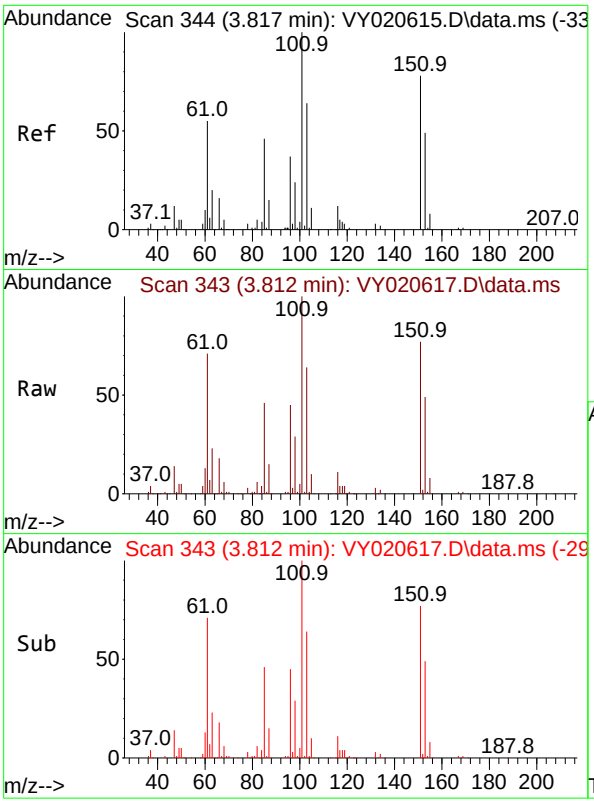


#8
Diethyl Ether
Concen: 129.035 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 74 Resp: 150374

Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.0	147.2



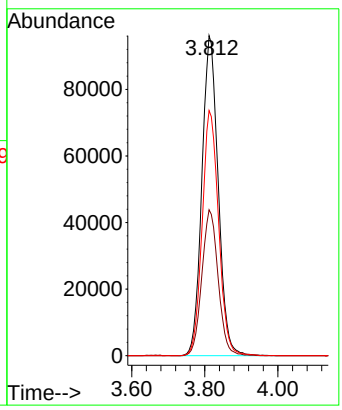


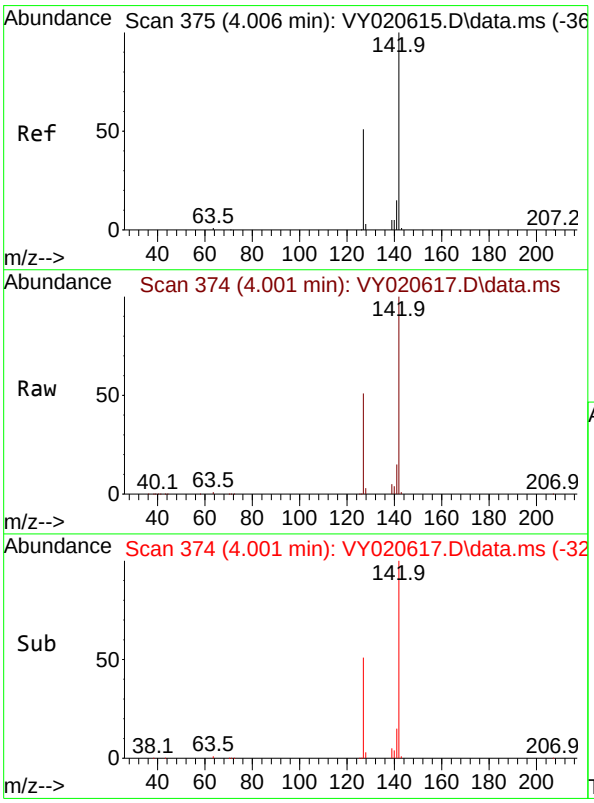
#9
1,1,2-Trichlorotrifluoroethane
Concen: 124.769 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

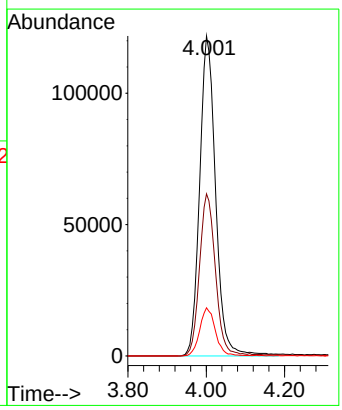


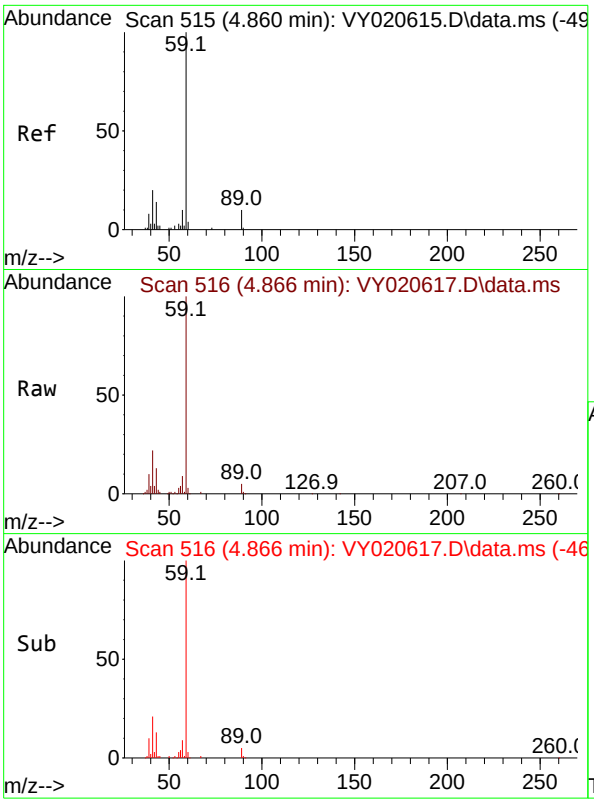


#10
Methyl Iodide
Concen: 130.361 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.005 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



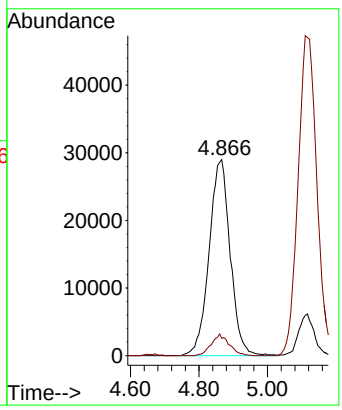


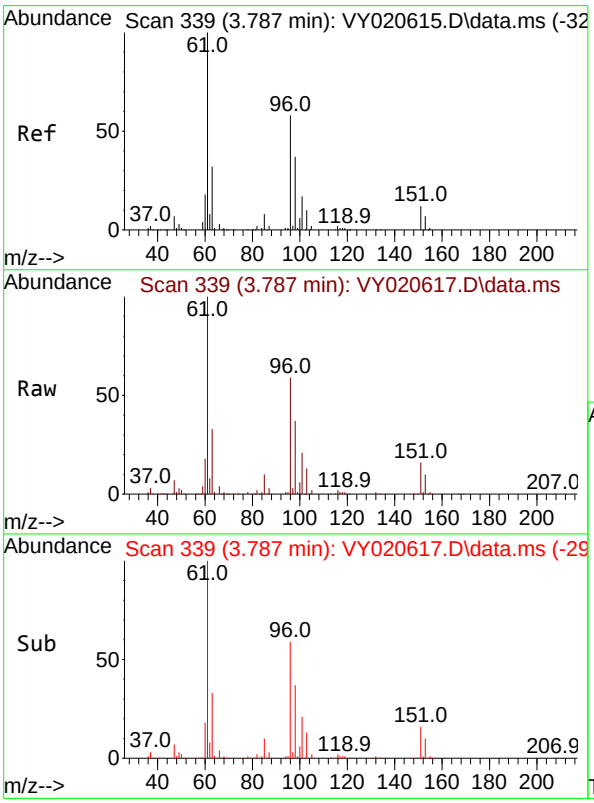
#11
Tert butyl alcohol
Concen: 737.397 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 123878

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0

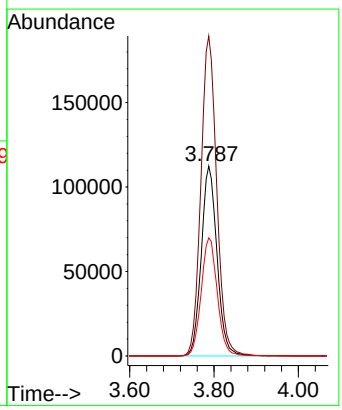


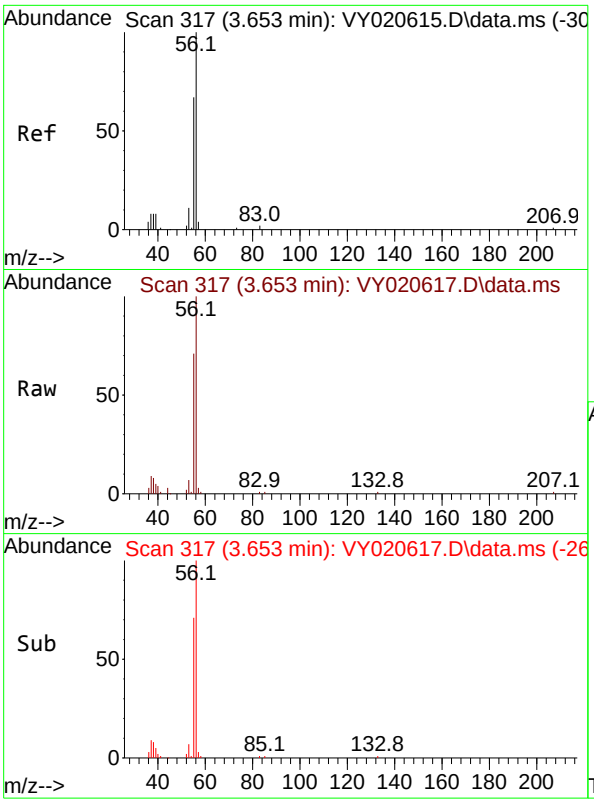


#12
1,1-Dichloroethene
Concen: 126.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



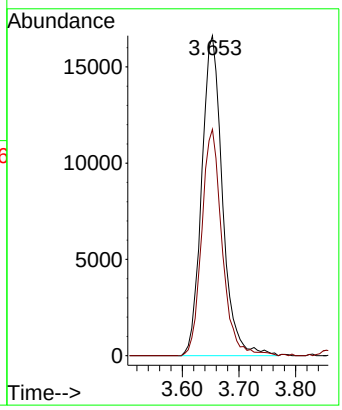


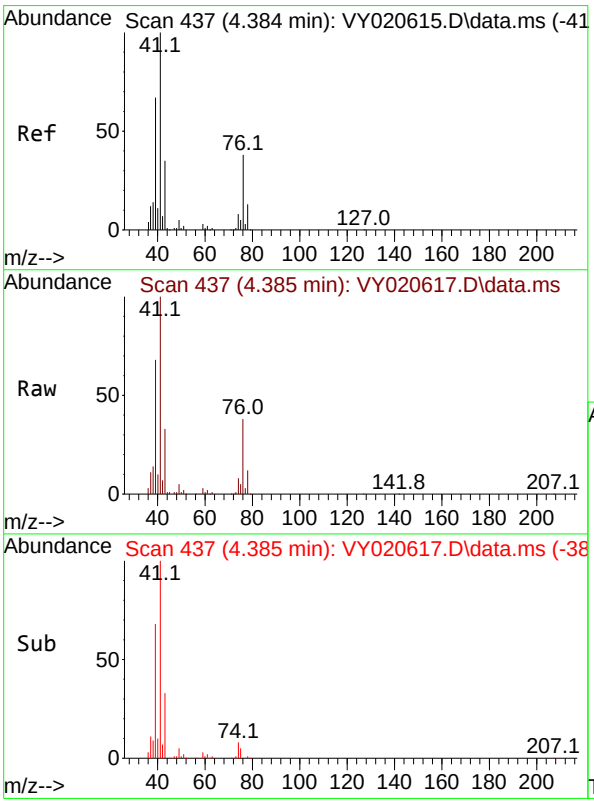
#13
Acrolein
Concen: 442.848 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 42281

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.5	86.3

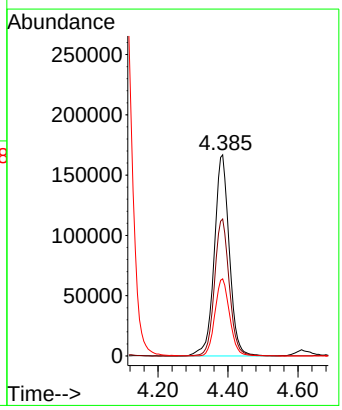


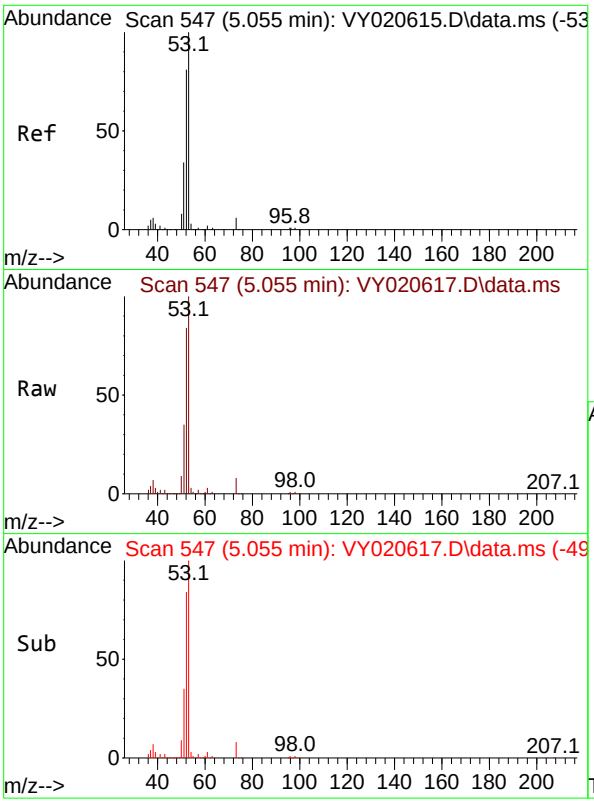


#14
Allyl chloride
Concen: 123.037 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



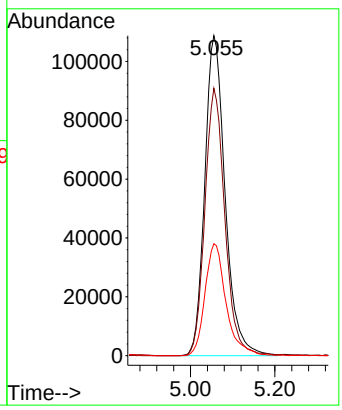


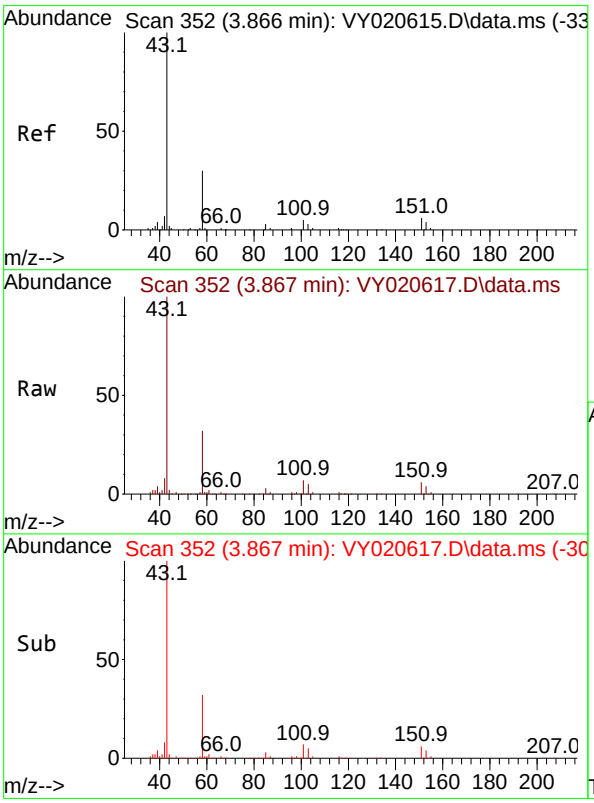
#15
Acrylonitrile
Concen: 655.216 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

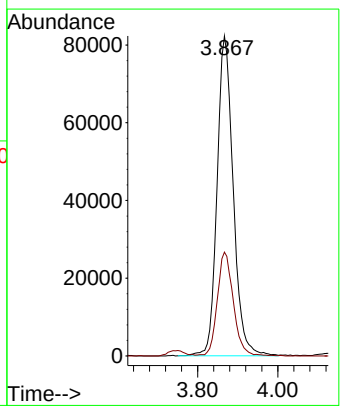


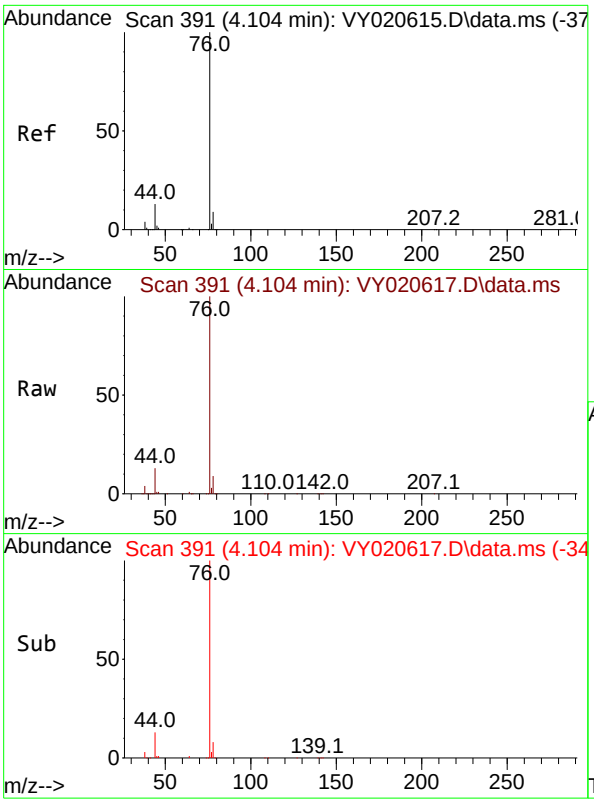


#16
Acetone
Concen: 580.396 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 229404

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.0	37.6



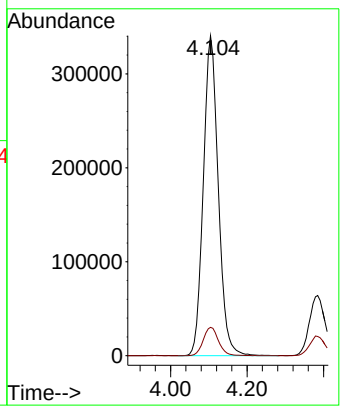


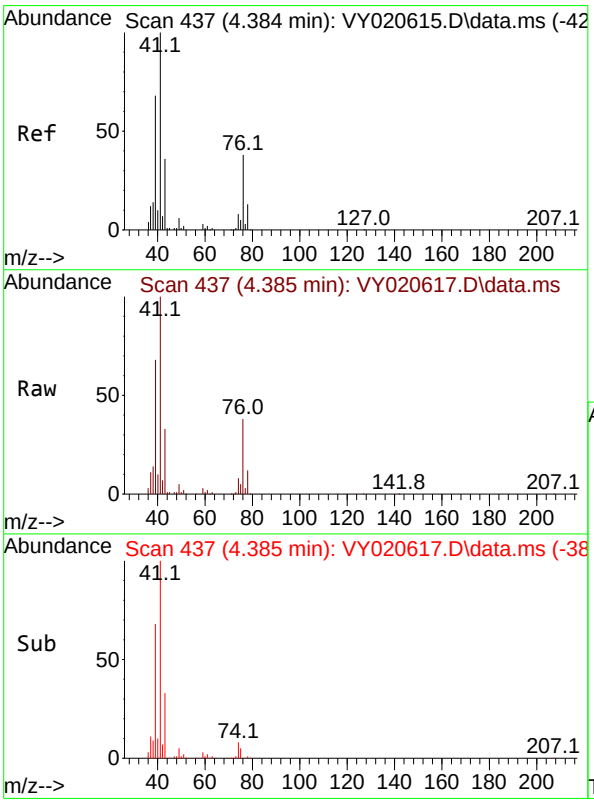
#17
Carbon Disulfide
Concen: 122.748 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 923365

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

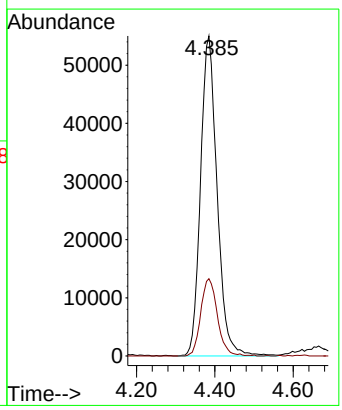


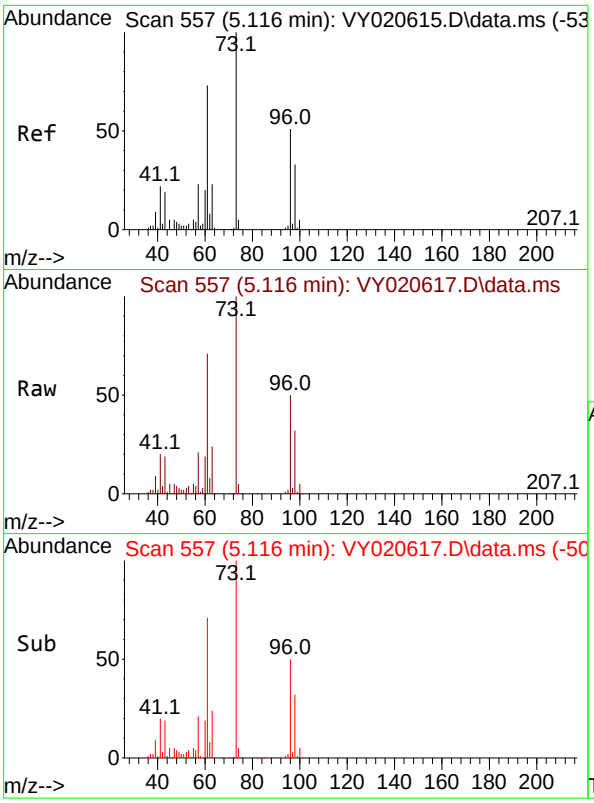


#18
Methyl Acetate
Concen: 117.584 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 161535

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



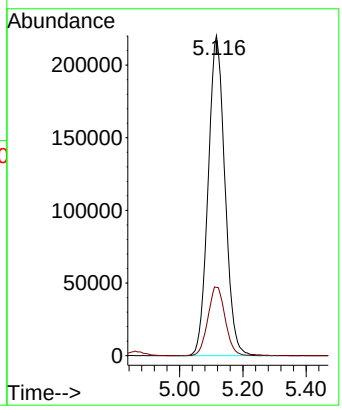


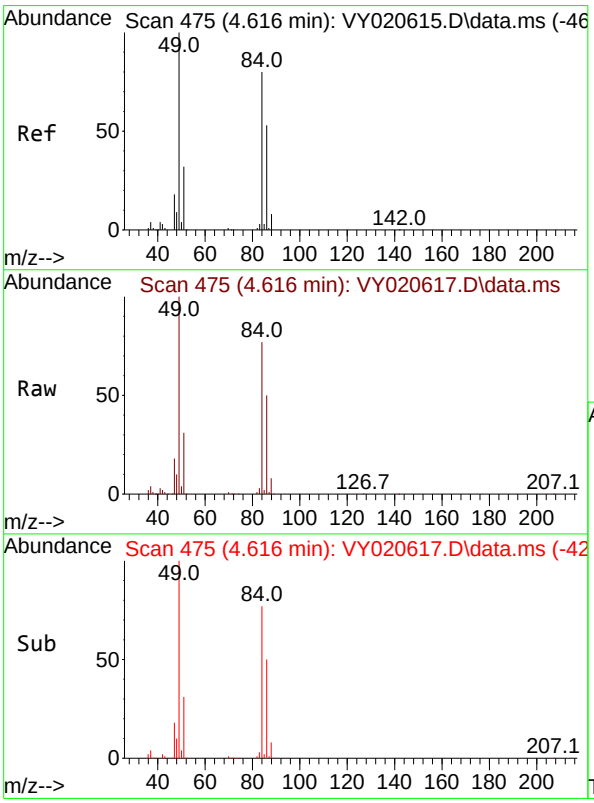
#19
Methyl tert-butyl Ether
Concen: 135.895 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 810589

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

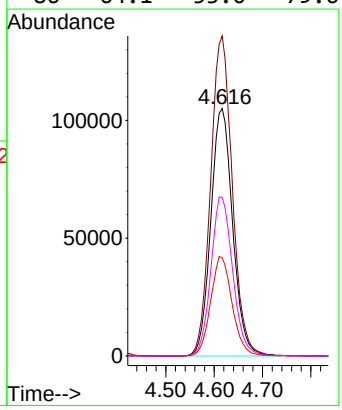


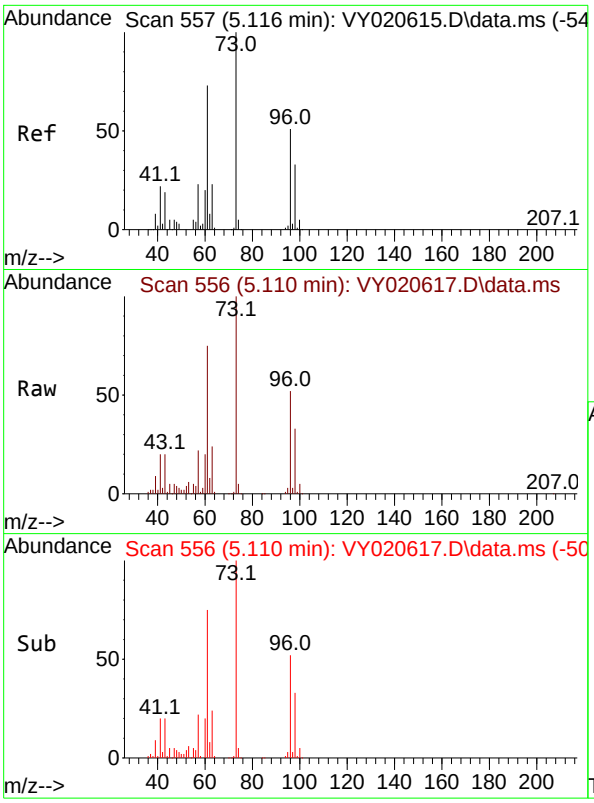


#20
Methylene Chloride
Concen: 131.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



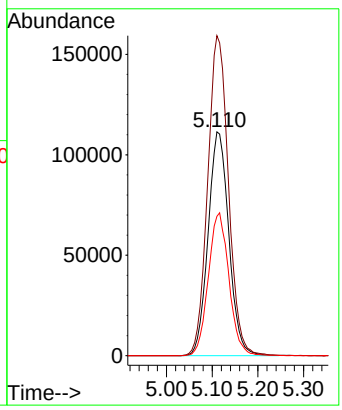


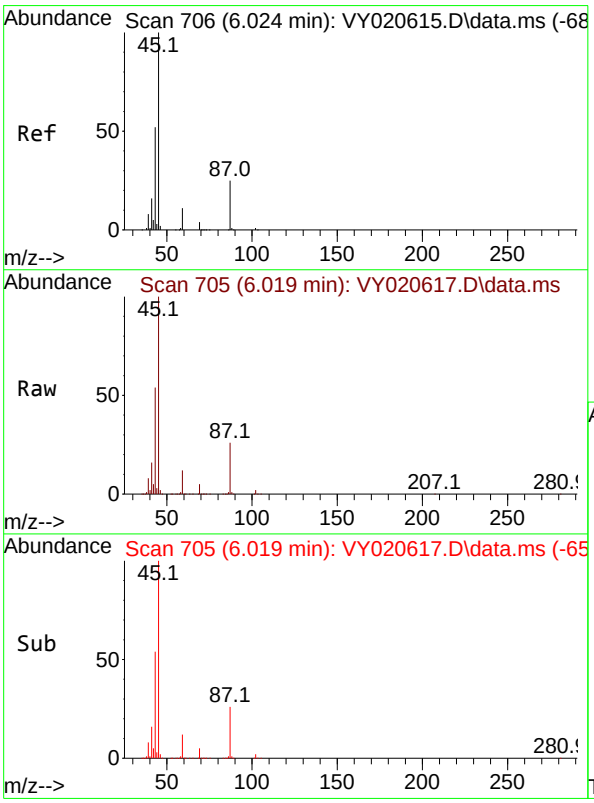
#21
trans-1,2-Dichloroethene
Concen: 135.586 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

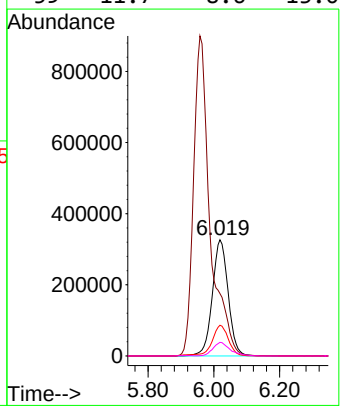


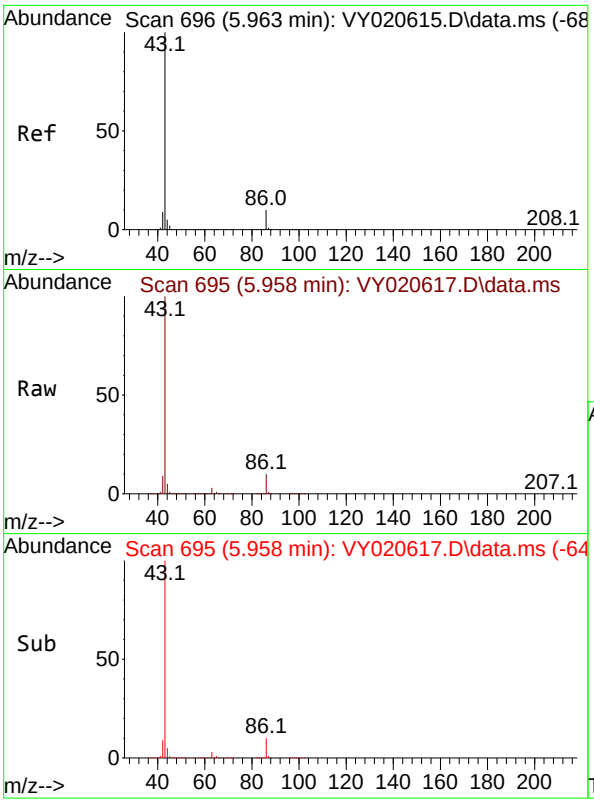


#22
Diisopropyl ether
Concen: 132.601 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



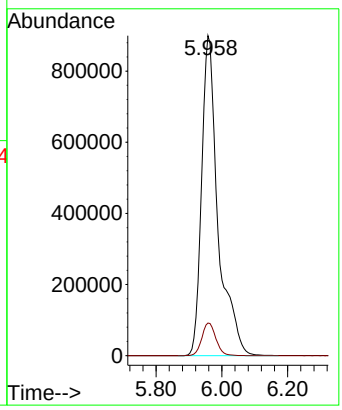


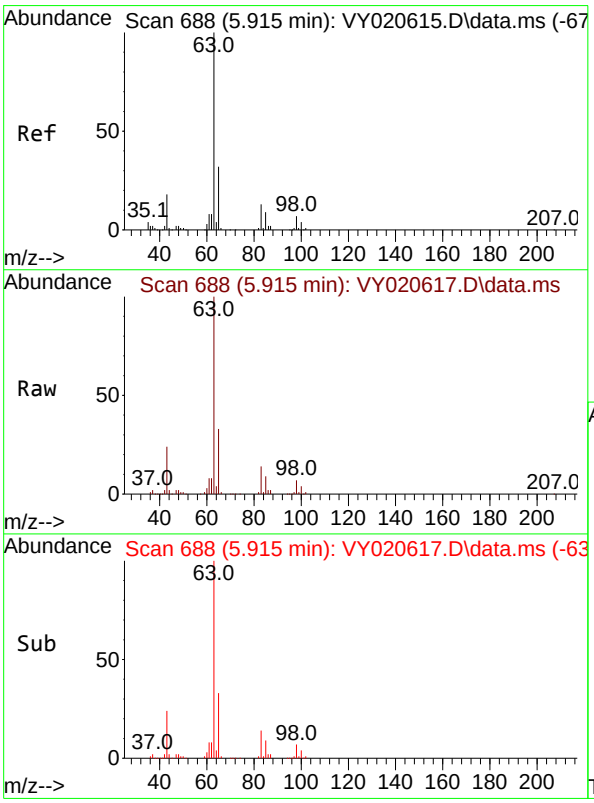
#23
Vinyl Acetate
Concen: 670.840 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3123065

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

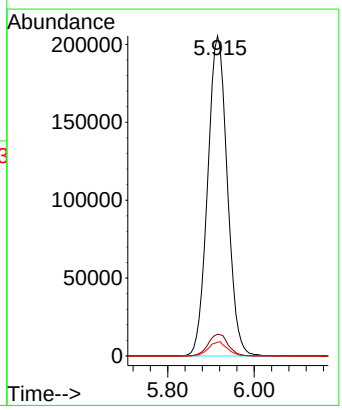


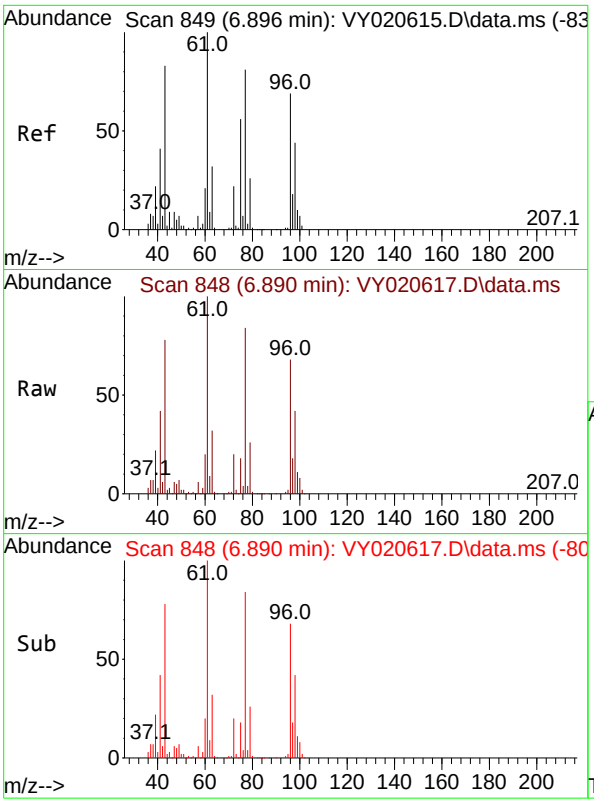


#24
1,1-Dichloroethane
Concen: 134.755 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



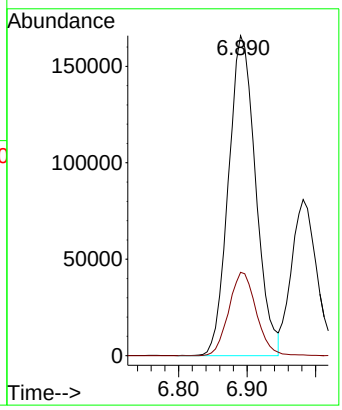


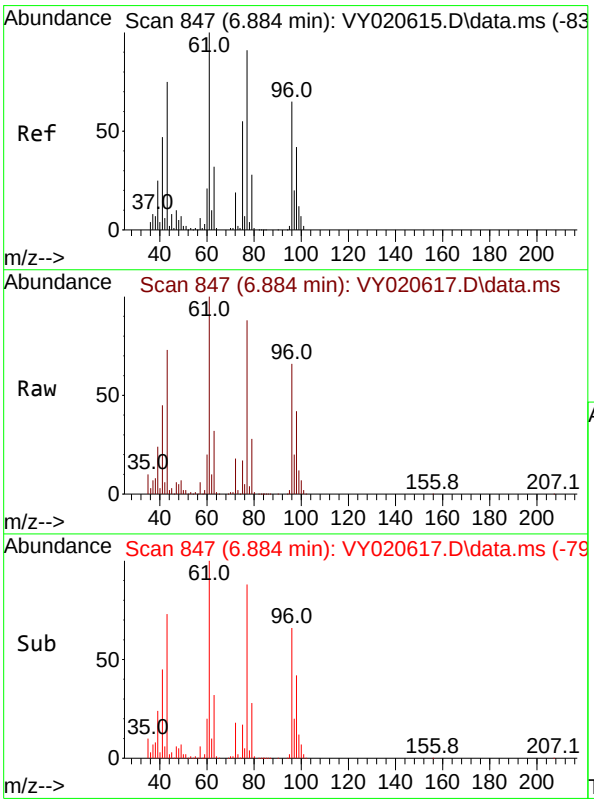
#25
2-Butanone
Concen: 611.252 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 458674

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.6	31.0

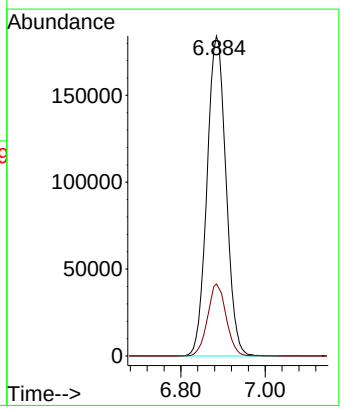


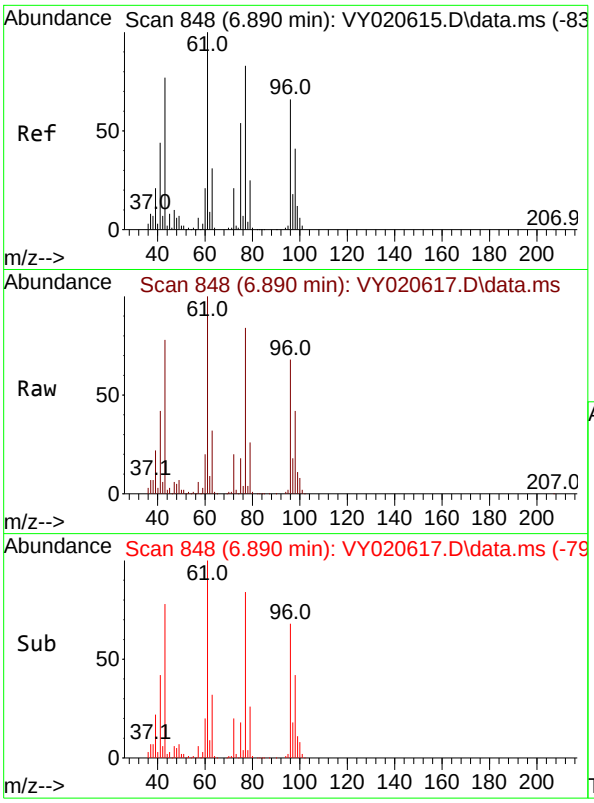


#26
2,2-Dichloropropane
Concen: 126.503 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 77 Resp: 575868

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



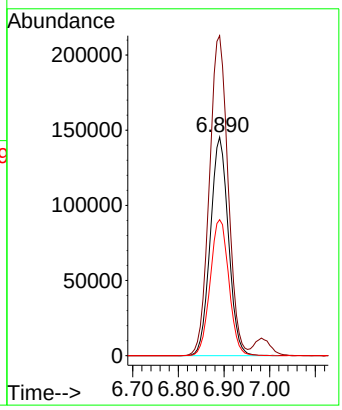


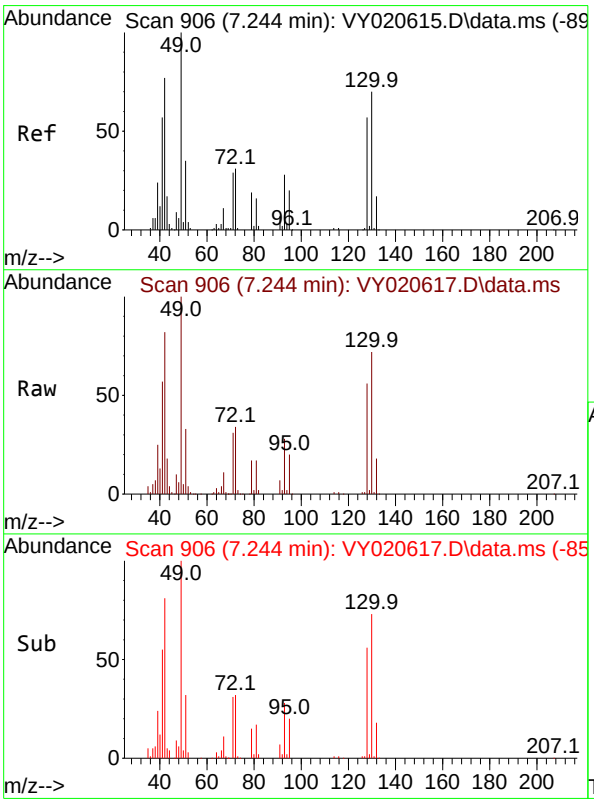
#27
cis-1,2-Dichloroethene
Concen: 134.176 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

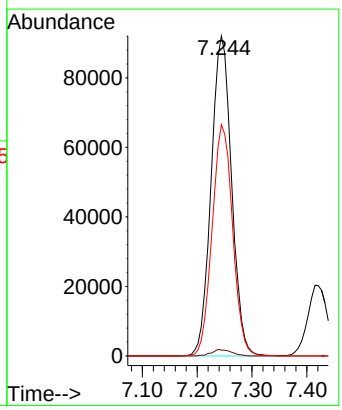


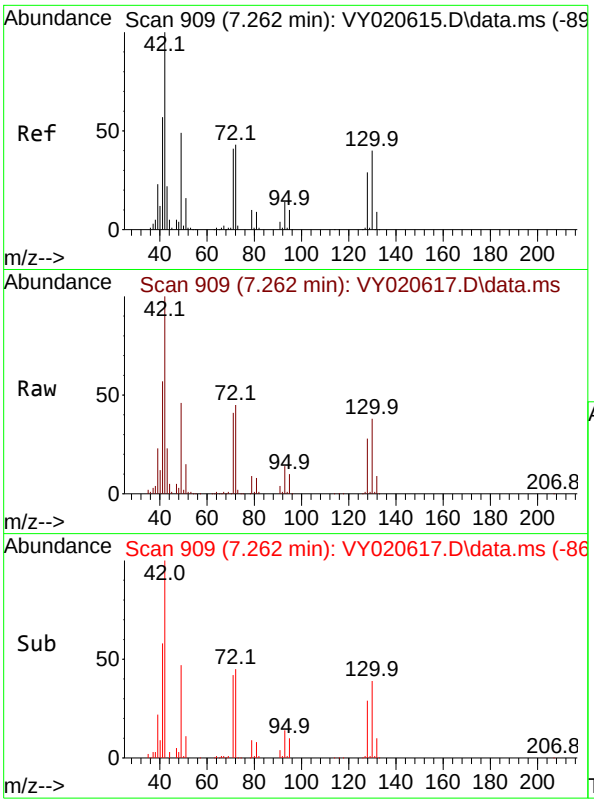


#28
Bromochloromethane
Concen: 147.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



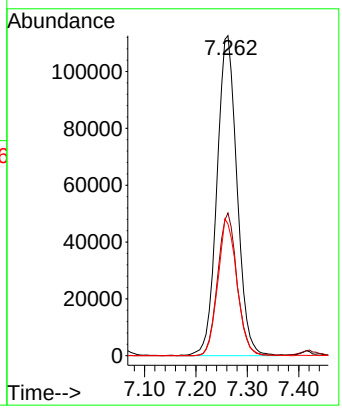


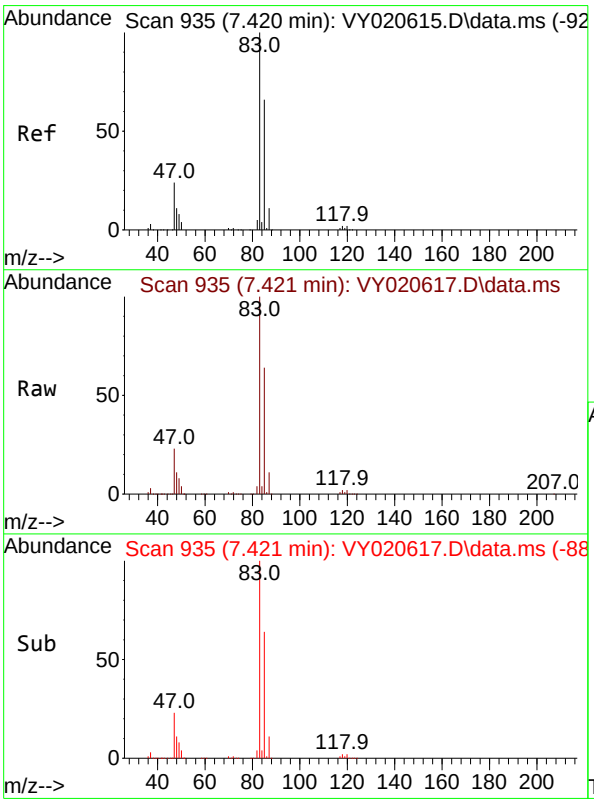
#29
Tetrahydrofuran
Concen: 644.700 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

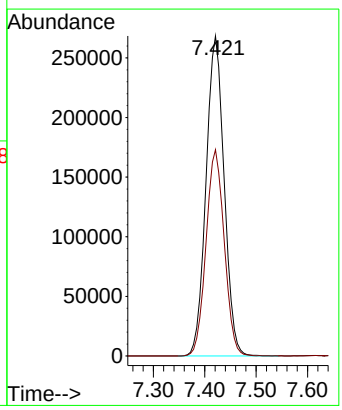


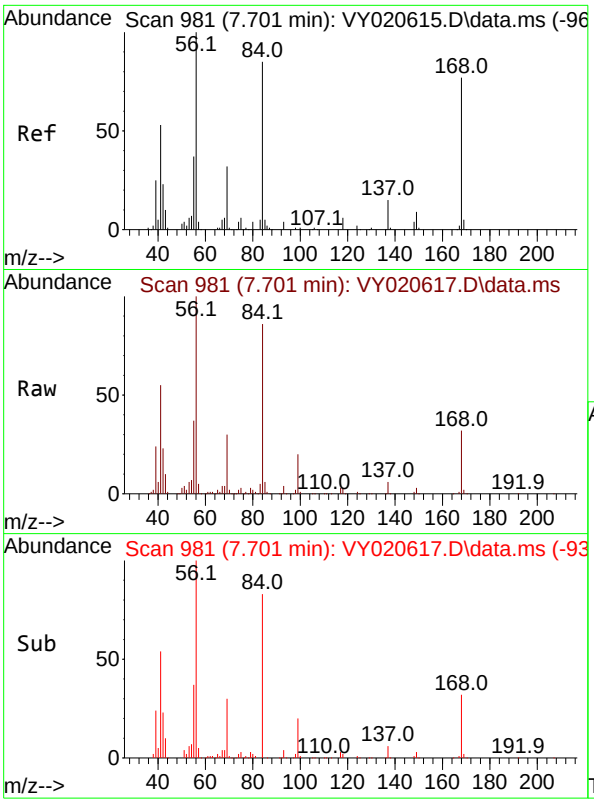


#30
Chloroform
Concen: 145.857 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 656177

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.7	79.1



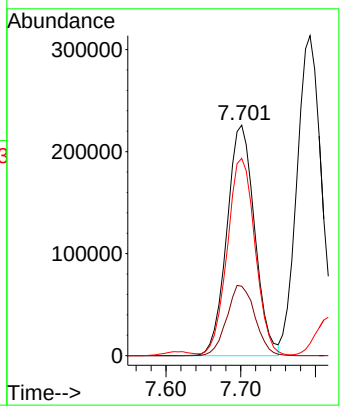


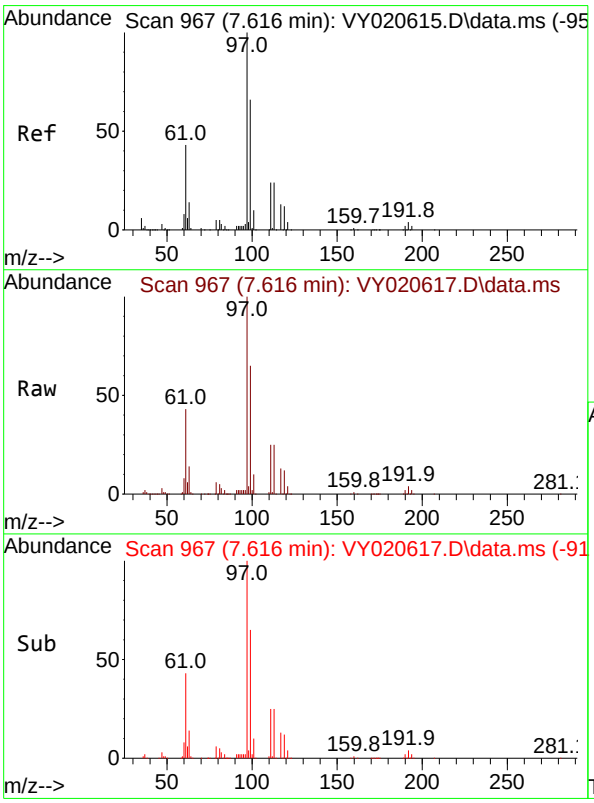
#31
Cyclohexane
Concen: 126.896 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

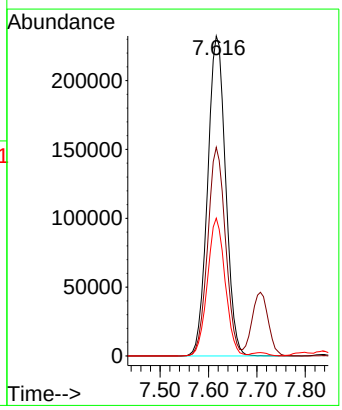


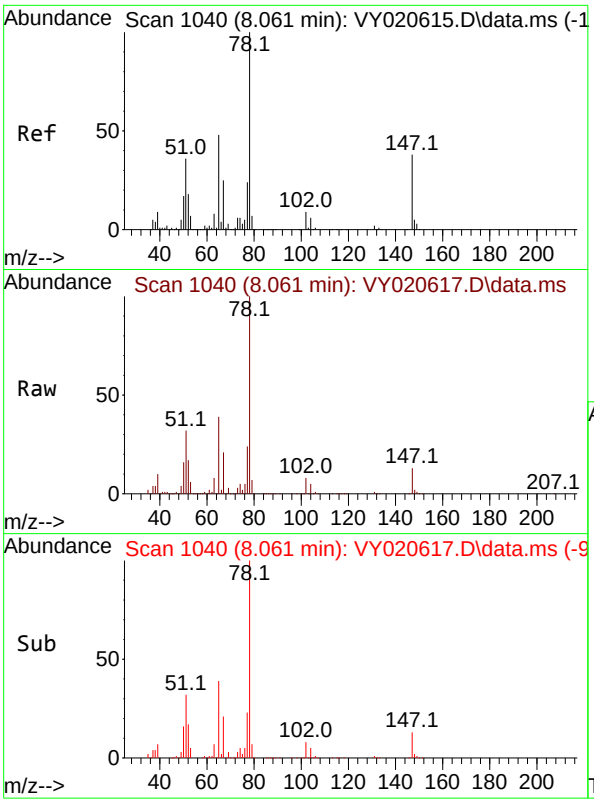


#32
1,1,1-Trichloroethane
Concen: 135.784 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



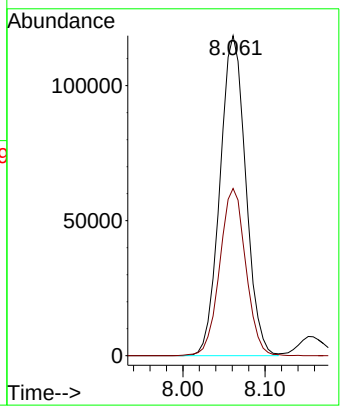


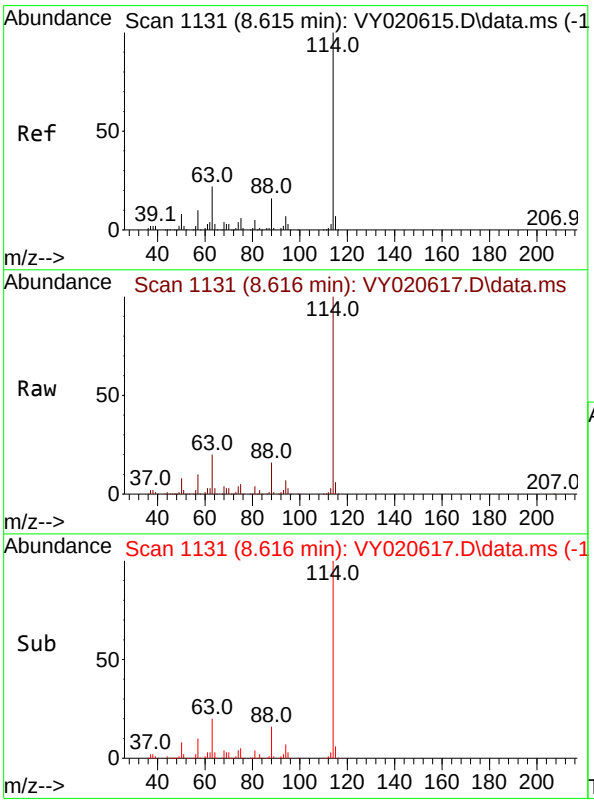
#33
1,2-Dichloroethane-d4
Concen: 128.022 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 258496

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0

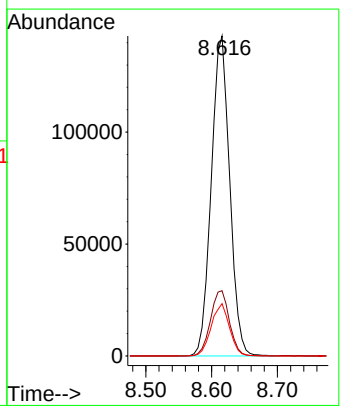


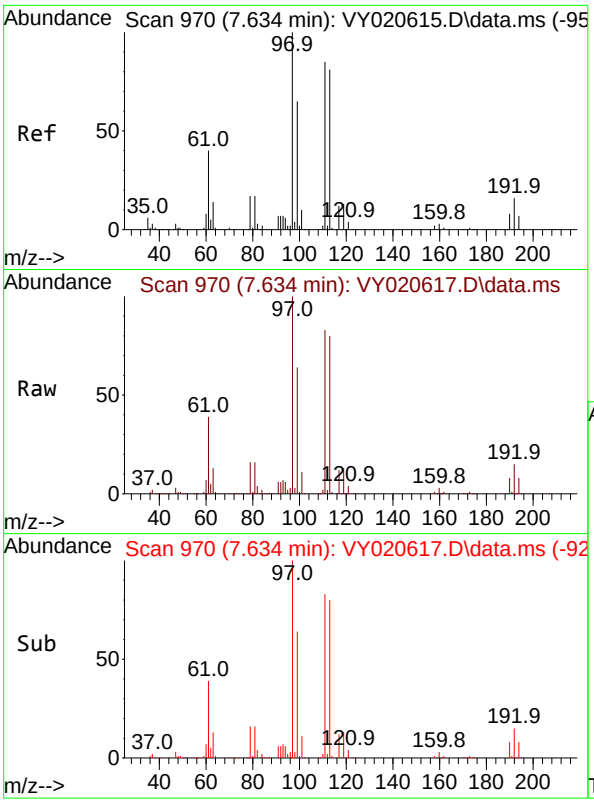


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



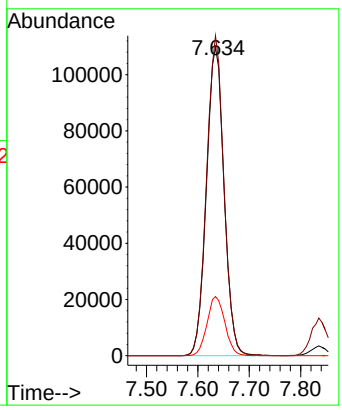


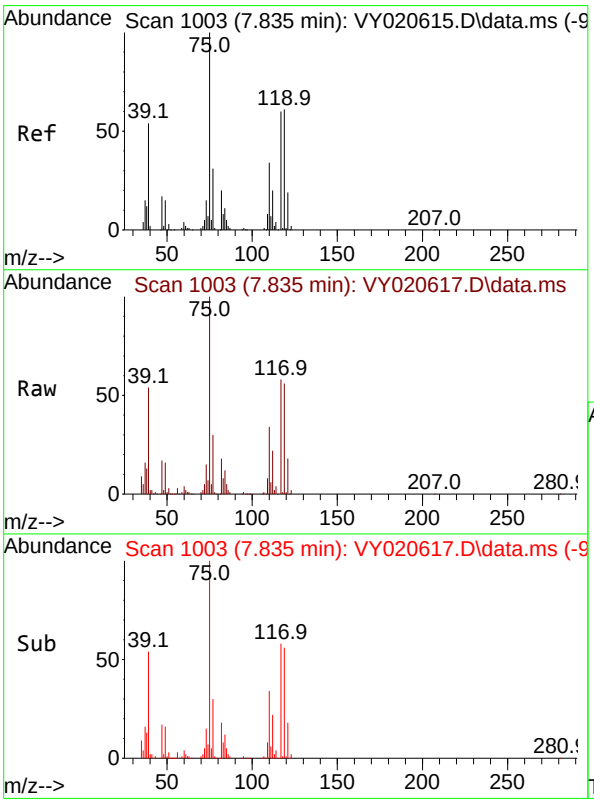
#35
Dibromofluoromethane
Concen: 133.217 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

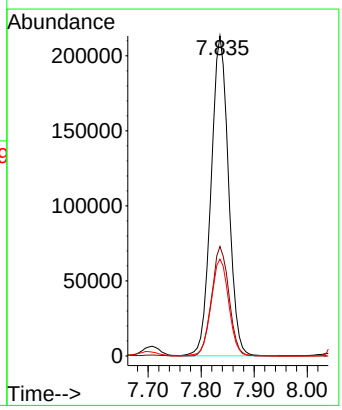


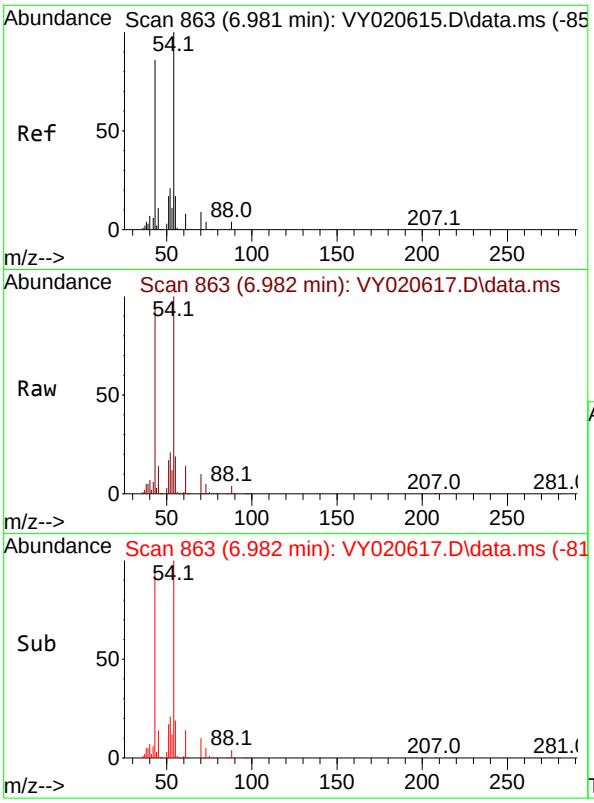


#36
1,1-Dichloropropene
Concen: 135.636 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



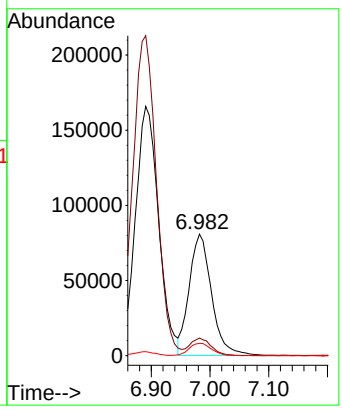


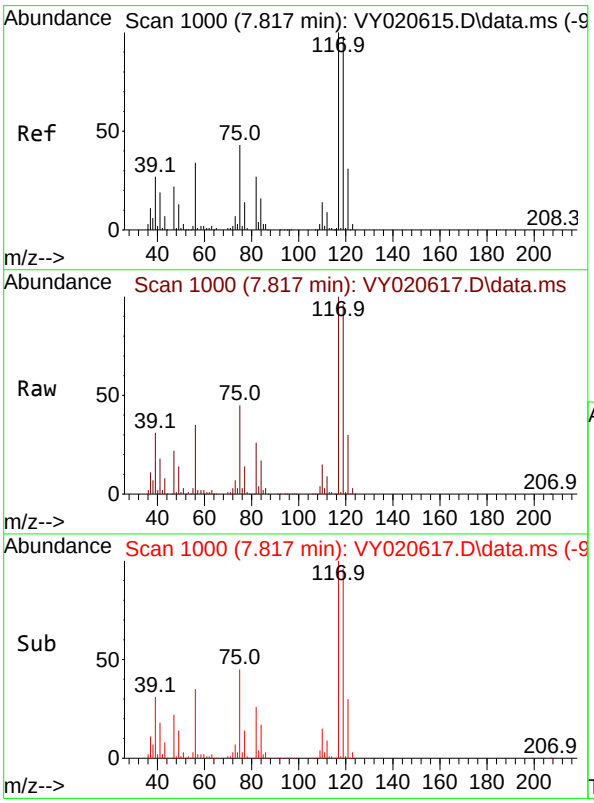
#37
Ethyl Acetate
Concen: 126.794 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

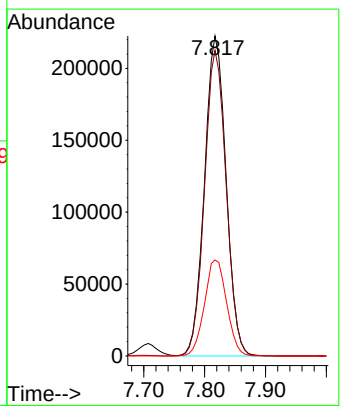


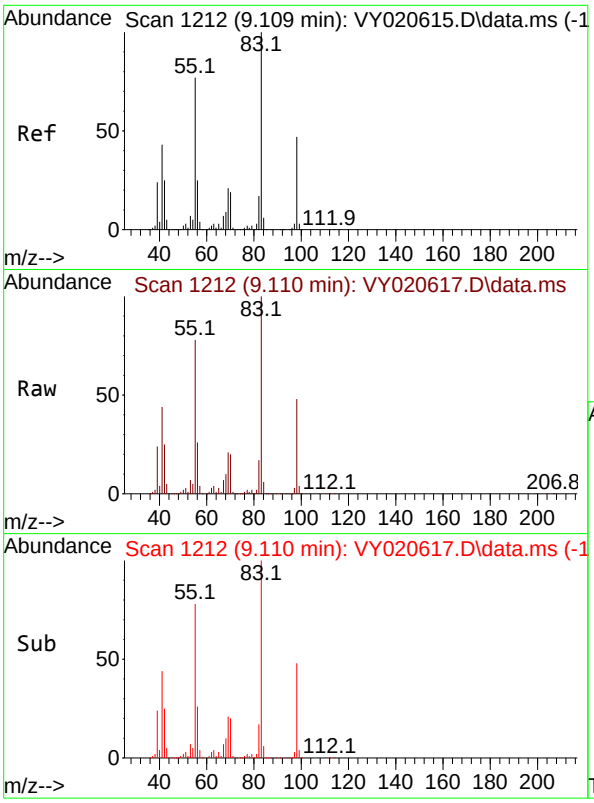


#38
Carbon Tetrachloride
Concen: 138.477 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



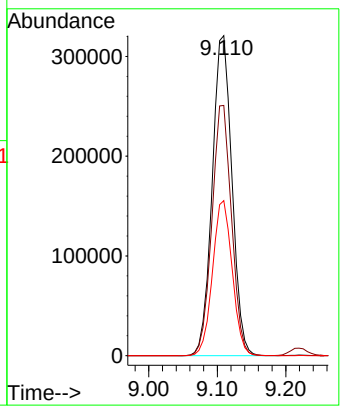


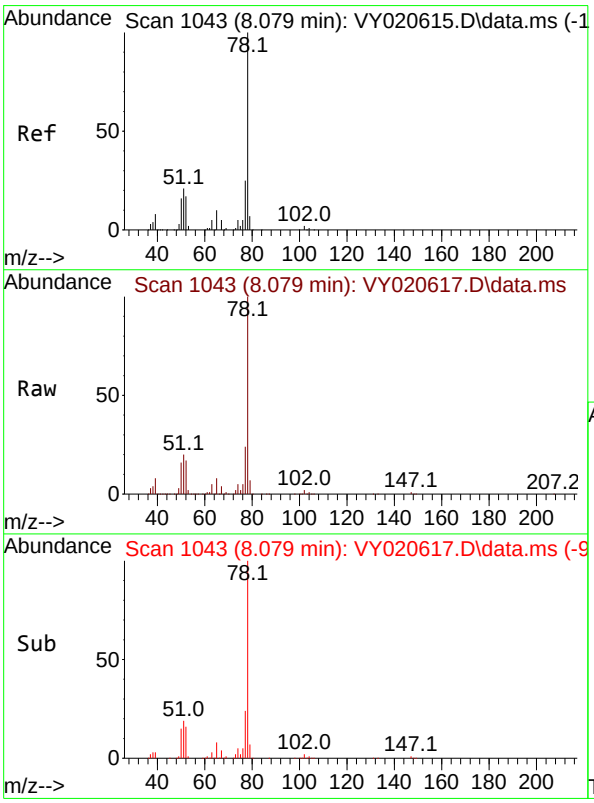
#39
Methylcyclohexane
Concen: 137.259 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

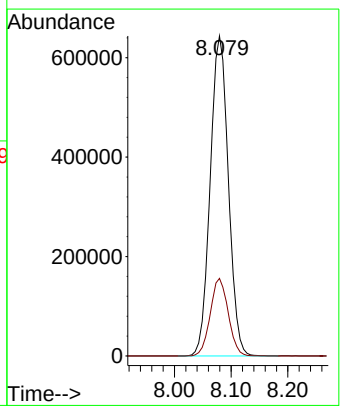


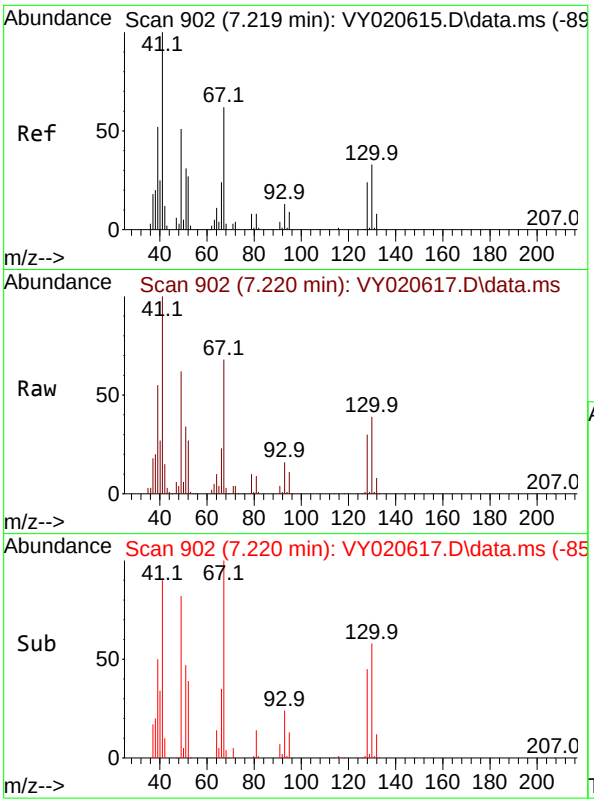


#40
Benzene
Concen: 136.402 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 78 Resp: 1431012

Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.1	30.1



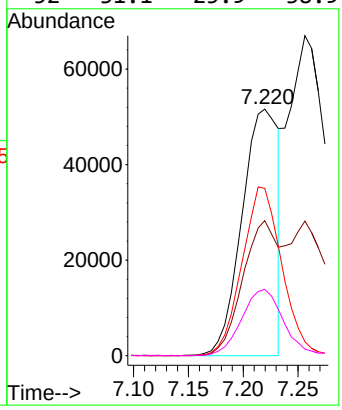


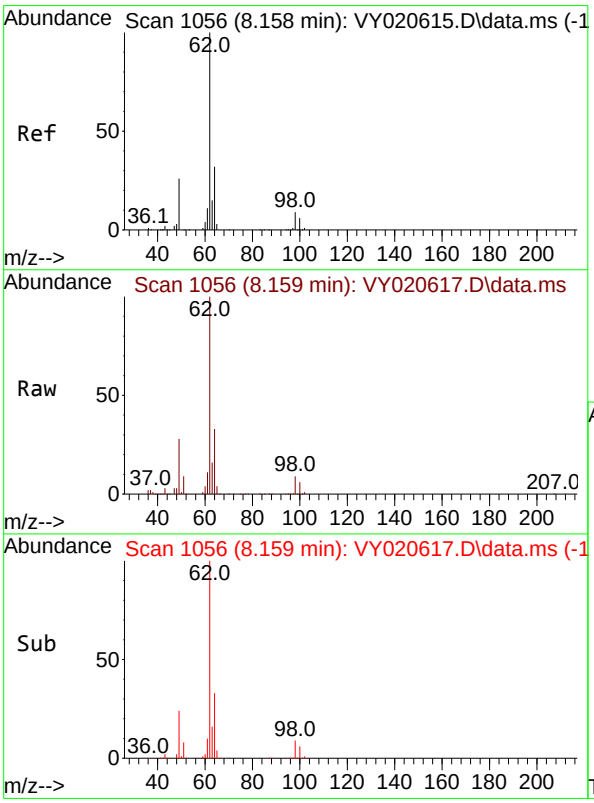
#41
Methacrylonitrile
Concen: 133.813 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

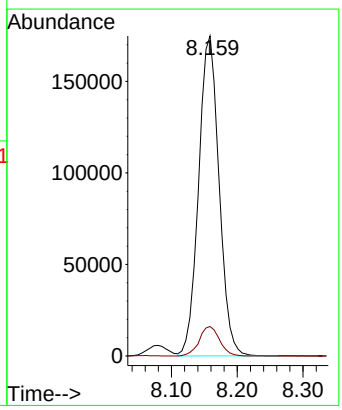


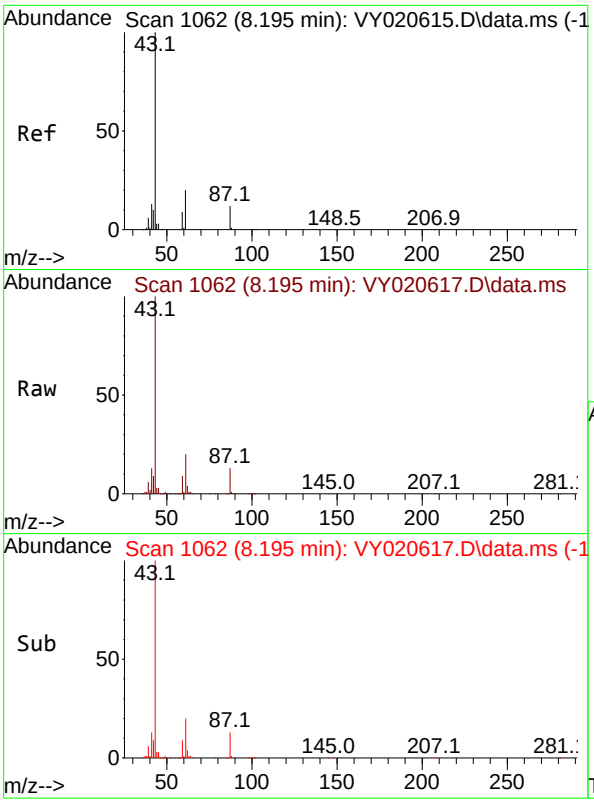


#42
1,2-Dichloroethane
Concen: 135.647 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 377438

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0



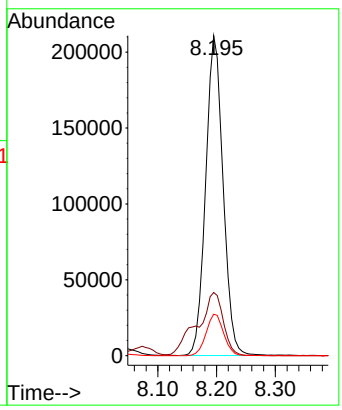


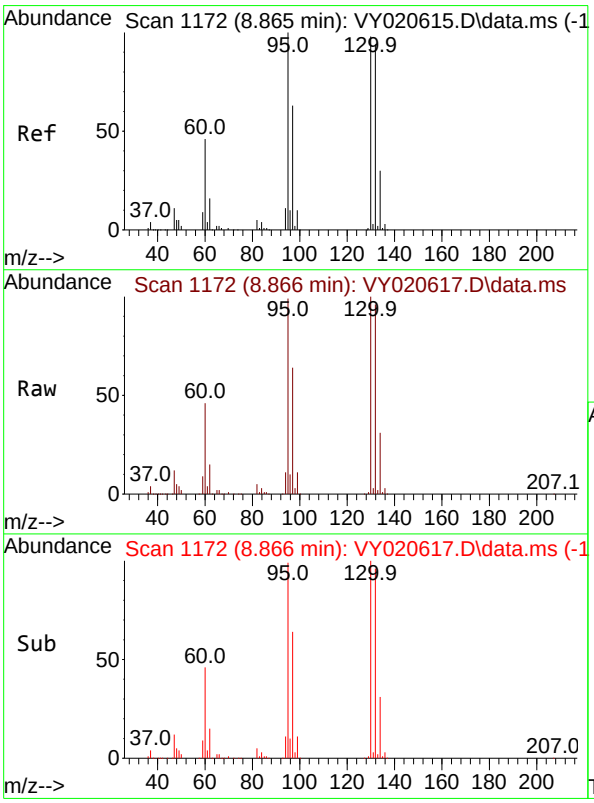
#43
Isopropyl Acetate
Concen: 135.916 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

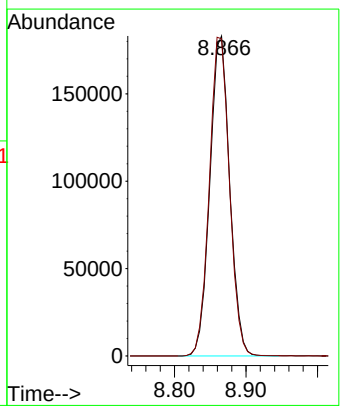


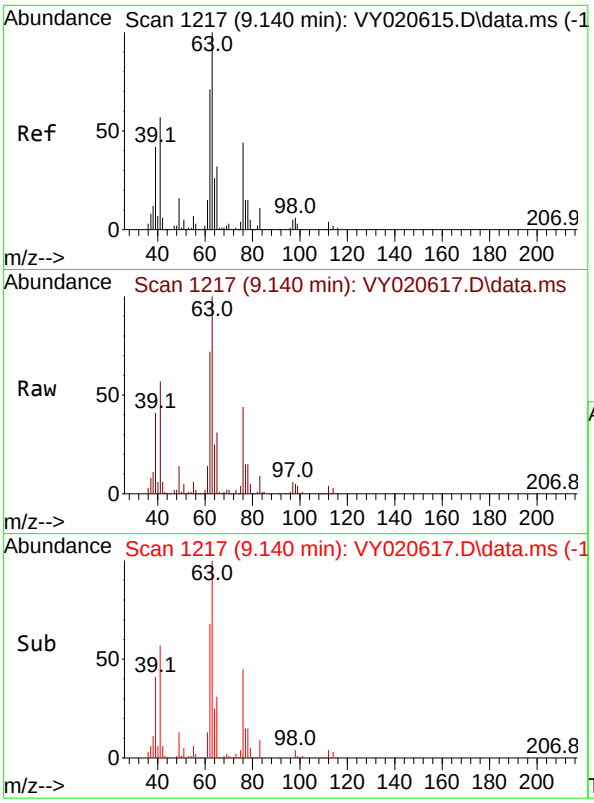


#44
Trichloroethene
Concen: 136.648 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:130 Resp: 352263

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	203.2



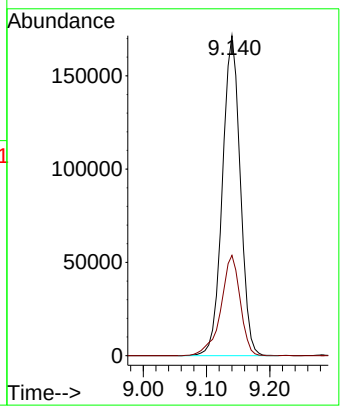


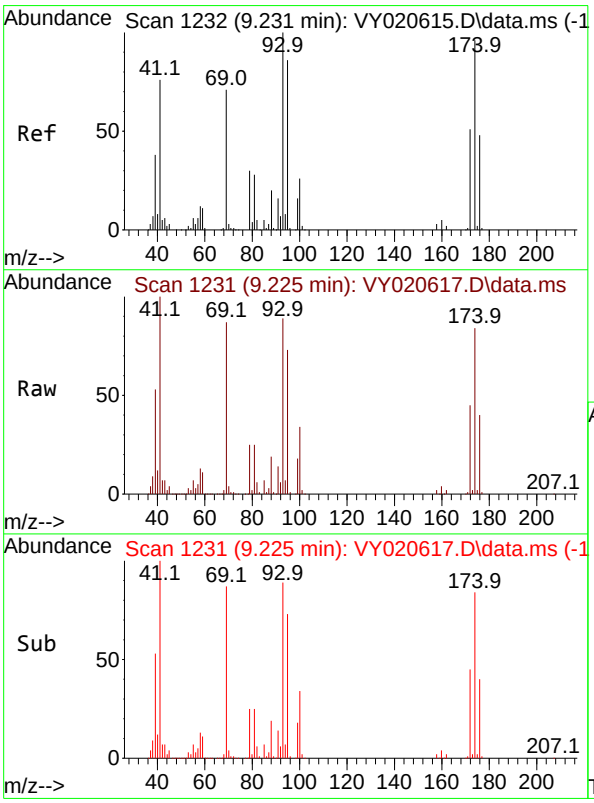
#45
1,2-Dichloropropane
Concen: 136.766 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 335340

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9

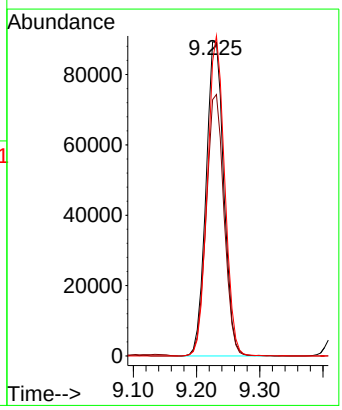


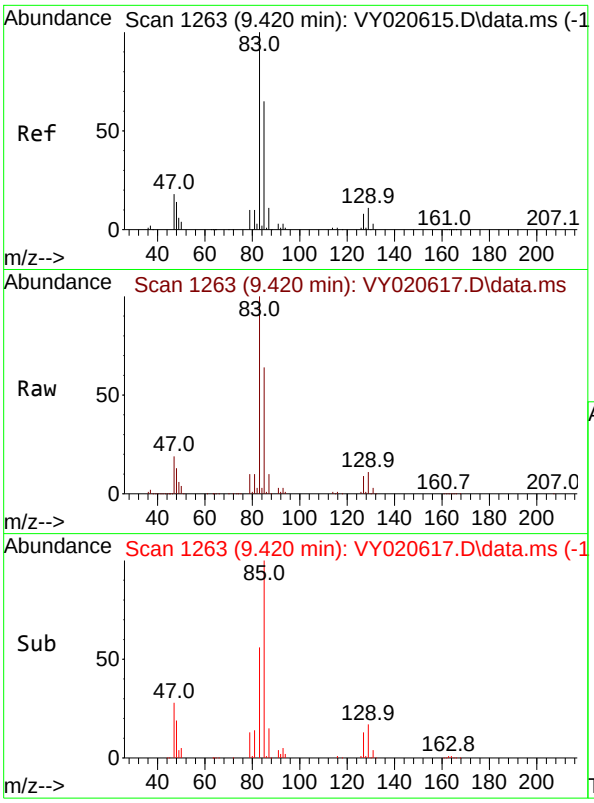


#46
Dibromomethane
Concen: 134.905 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



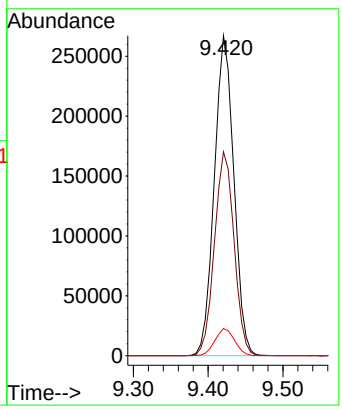


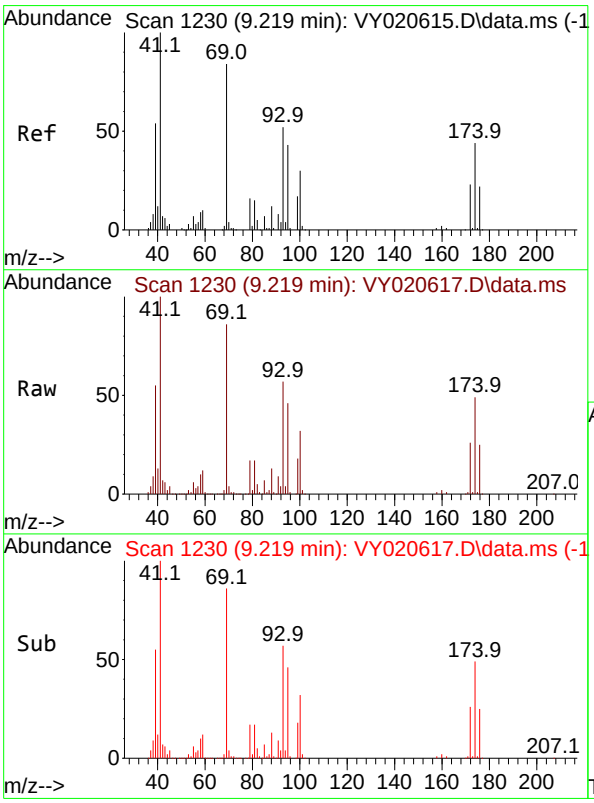
#47
Bromodichloromethane
Concen: 138.787 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

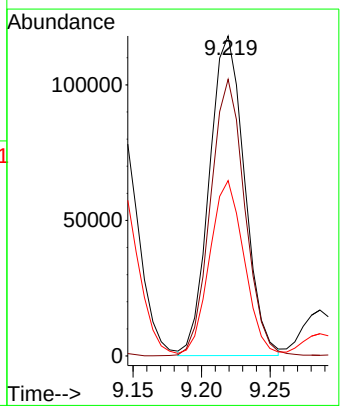


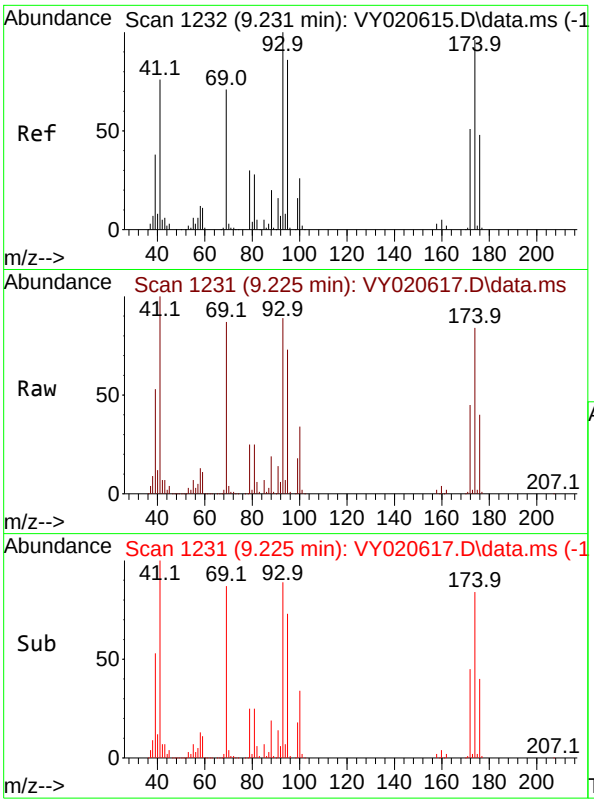


#48
Methyl methacrylate
Concen: 138.957 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



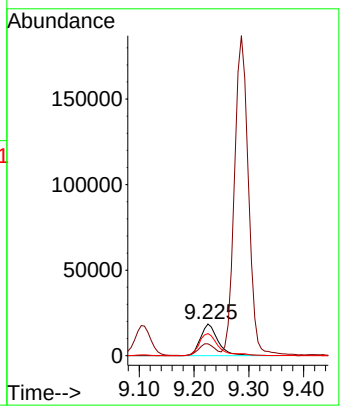


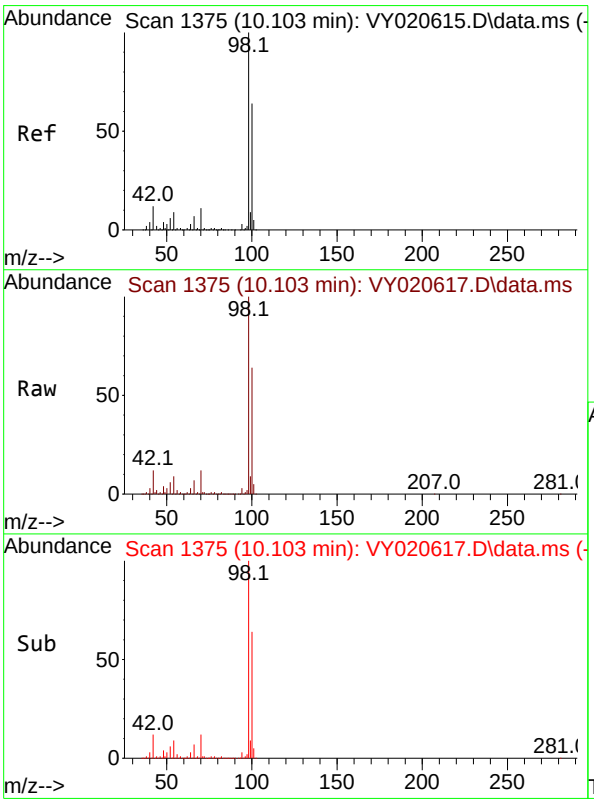
#49
1,4-Dioxane
Concen: 2773.834 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

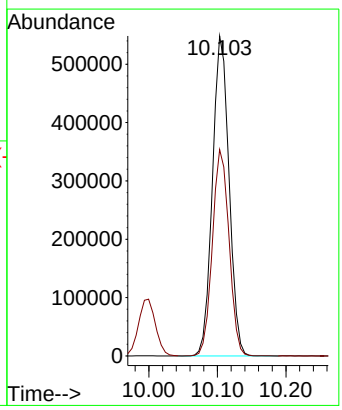


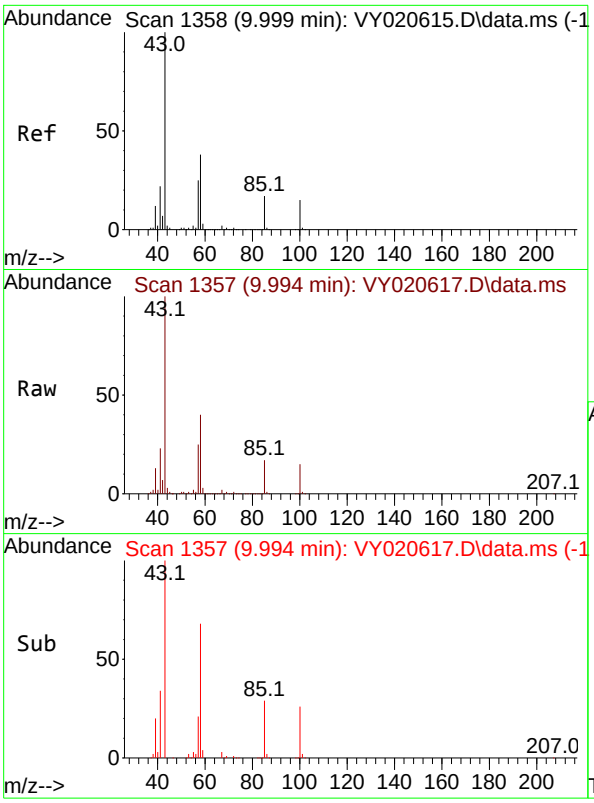


#50
Toluene-d8
Concen: 133.785 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 98 Resp: 919148

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



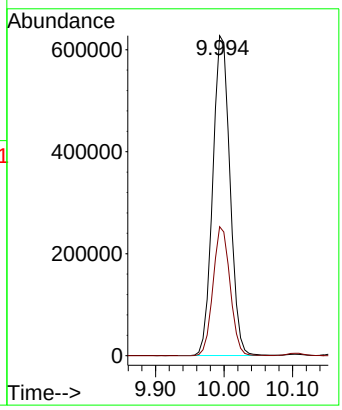


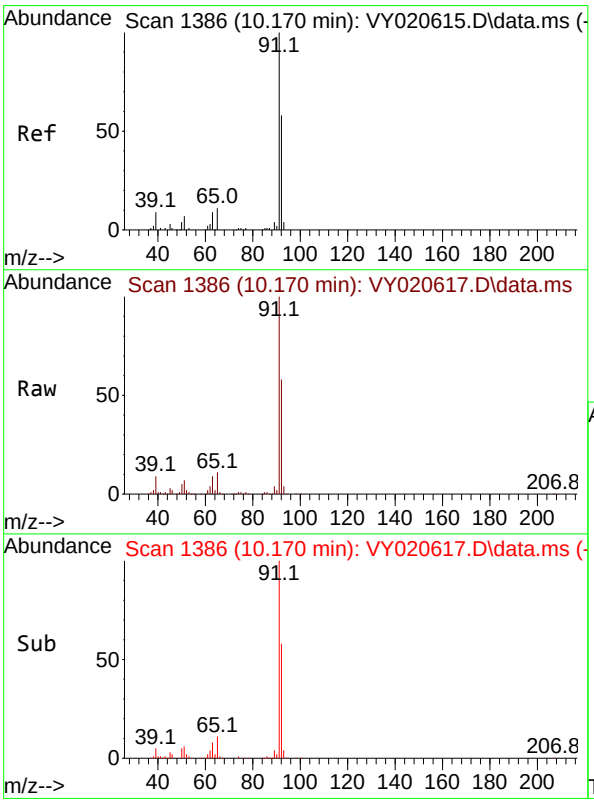
#51
4-Methyl-2-Pentanone
Concen: 649.161 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1092140

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

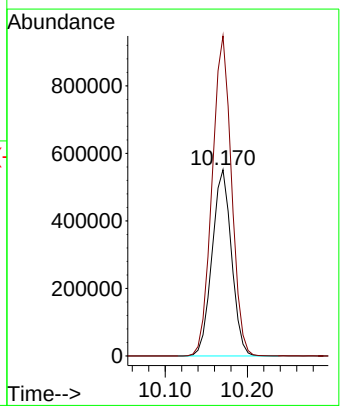


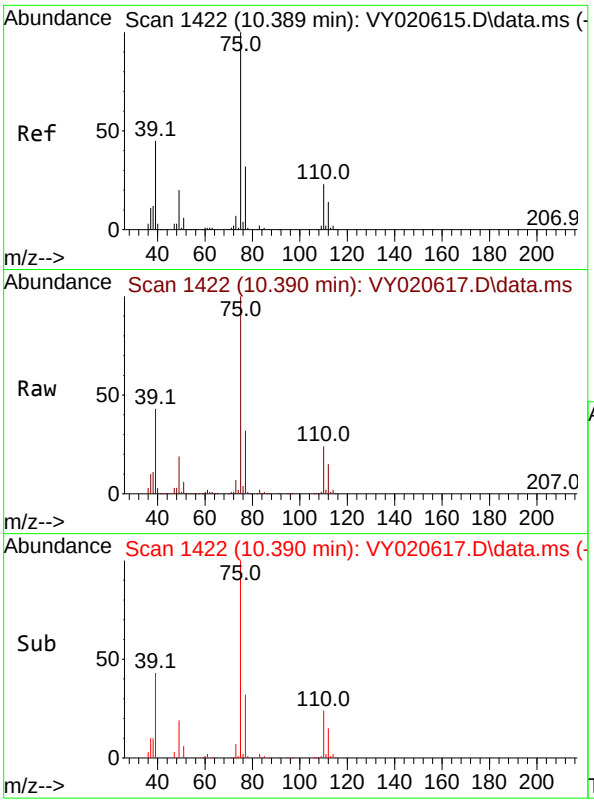


#52
Toluene
Concen: 138.659 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 92 Resp: 904033

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.0



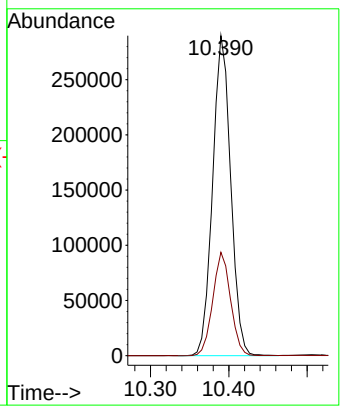


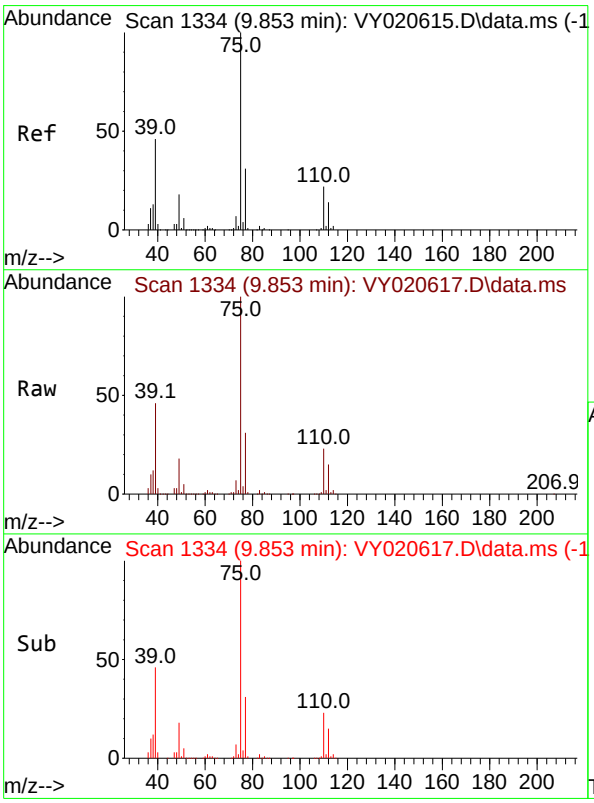
#53
t-1,3-Dichloropropene
Concen: 142.541 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 464905

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

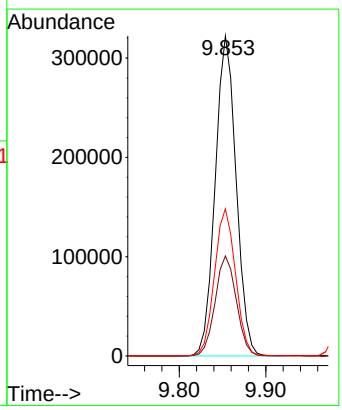


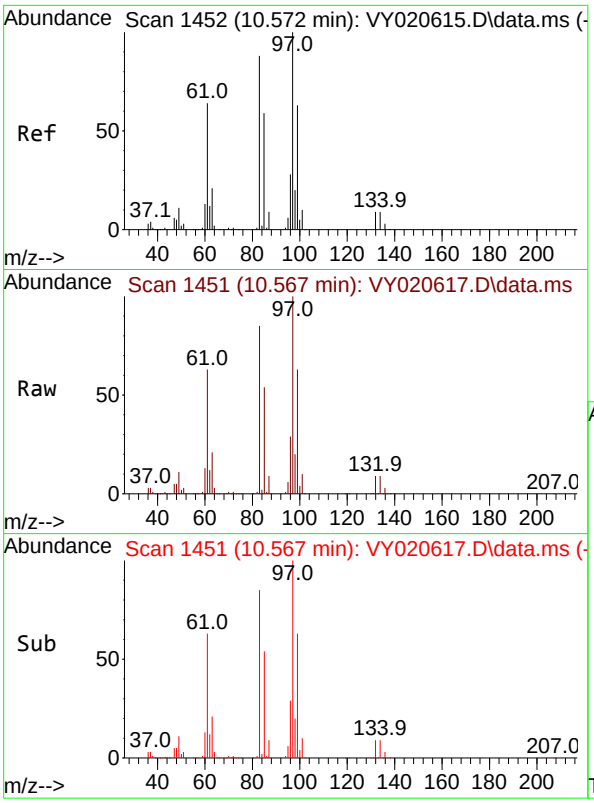


#54
cis-1,3-Dichloropropene
Concen: 139.760 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



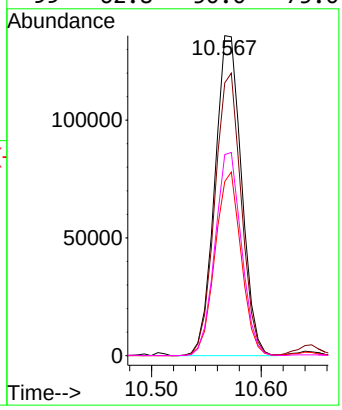


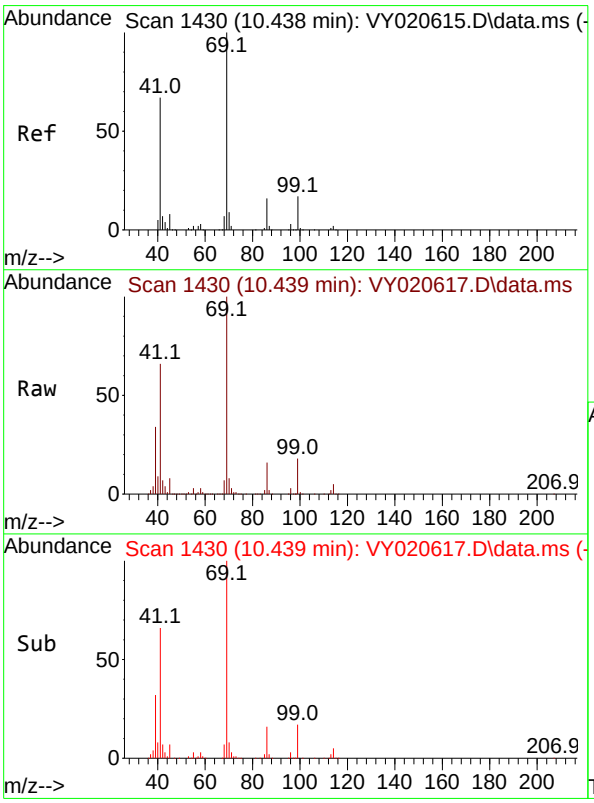
#55
1,1,2-Trichloroethane
Concen: 134.466 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

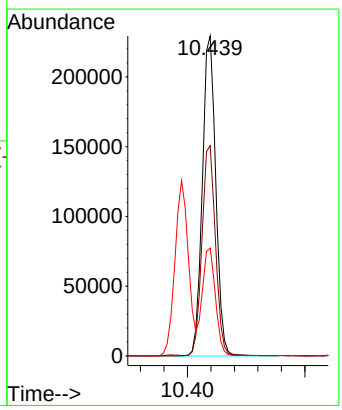


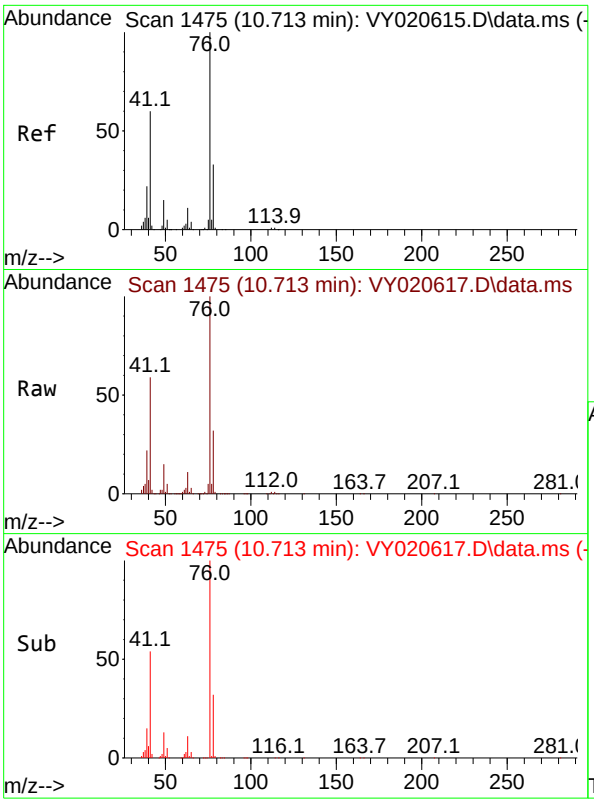


#56
Ethyl methacrylate
Concen: 146.095 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



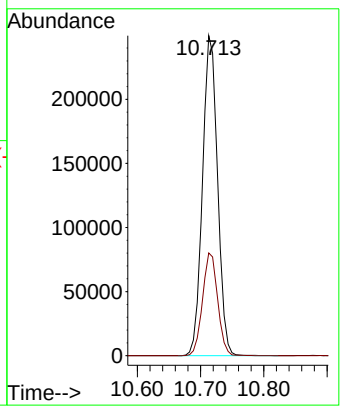


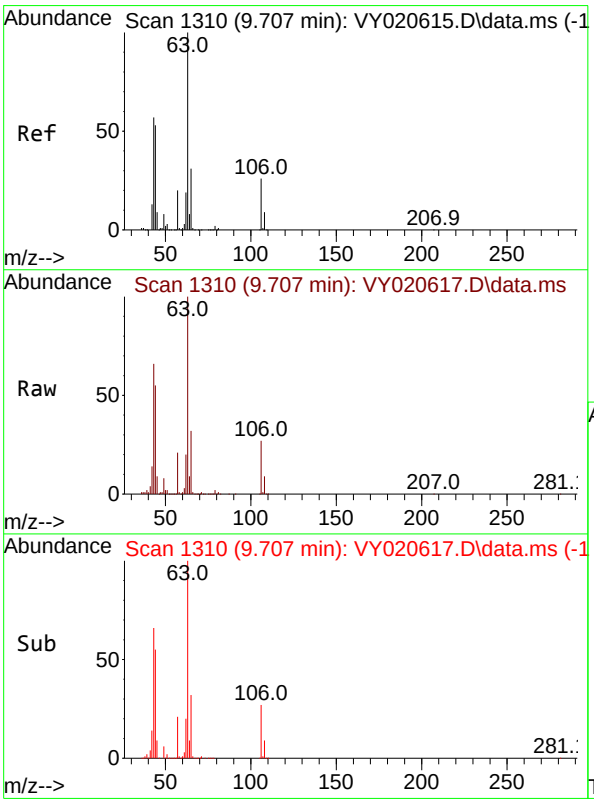
#57
1,3-Dichloropropane
Concen: 135.406 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 413542

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

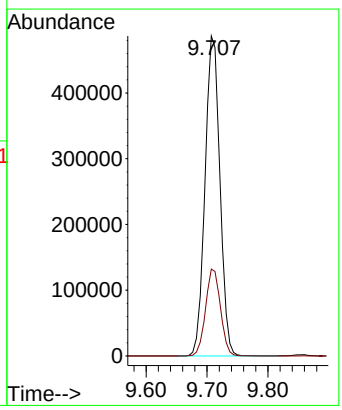


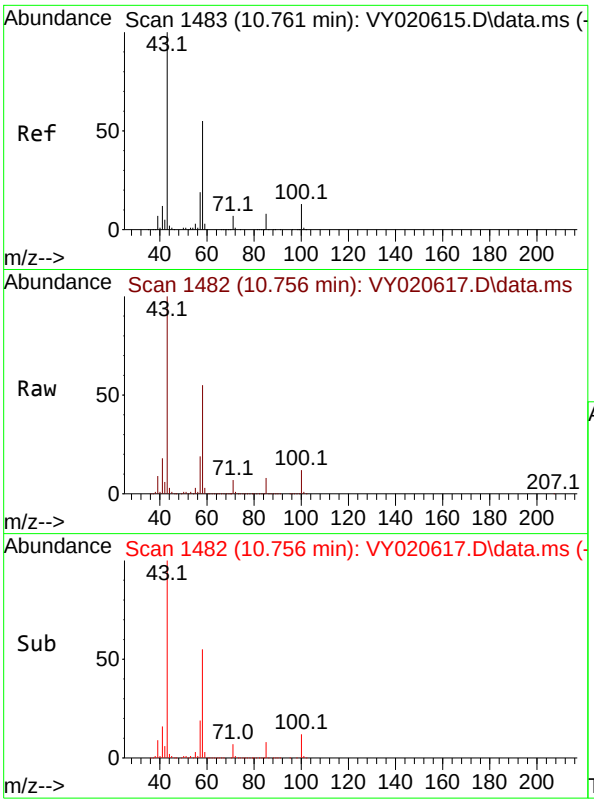


#58
2-Chloroethyl Vinyl ether
Concen: 790.569 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 826777

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.5	32.3



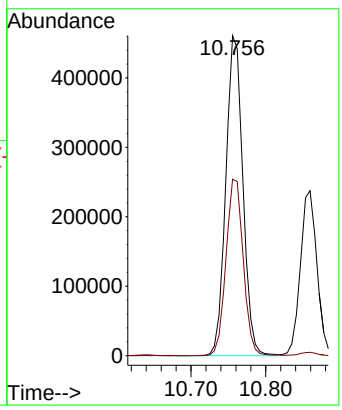


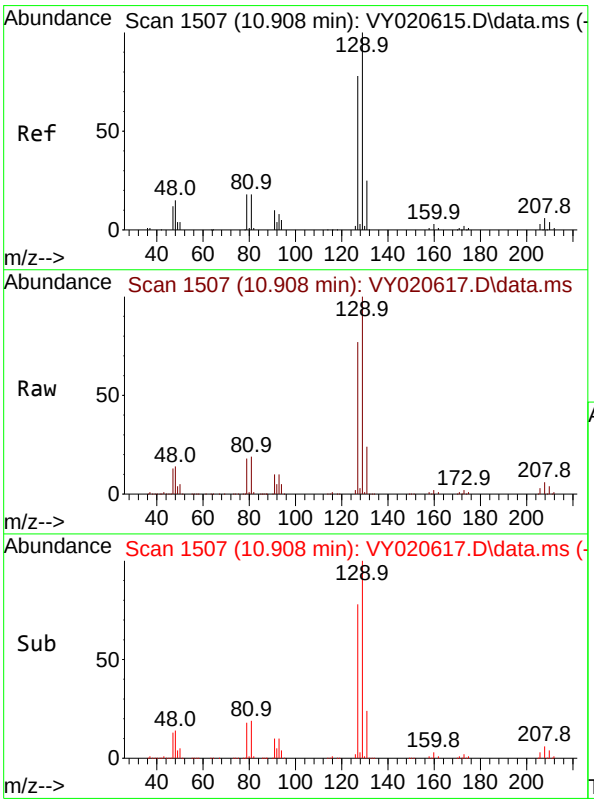
#59
2-Hexanone
Concen: 677.527 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 731842

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.2	81.6

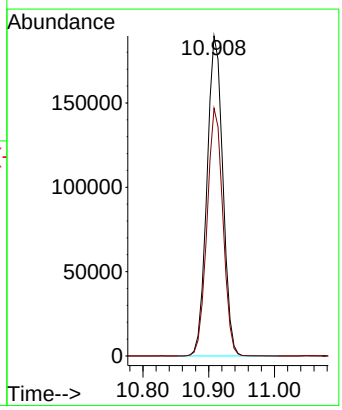


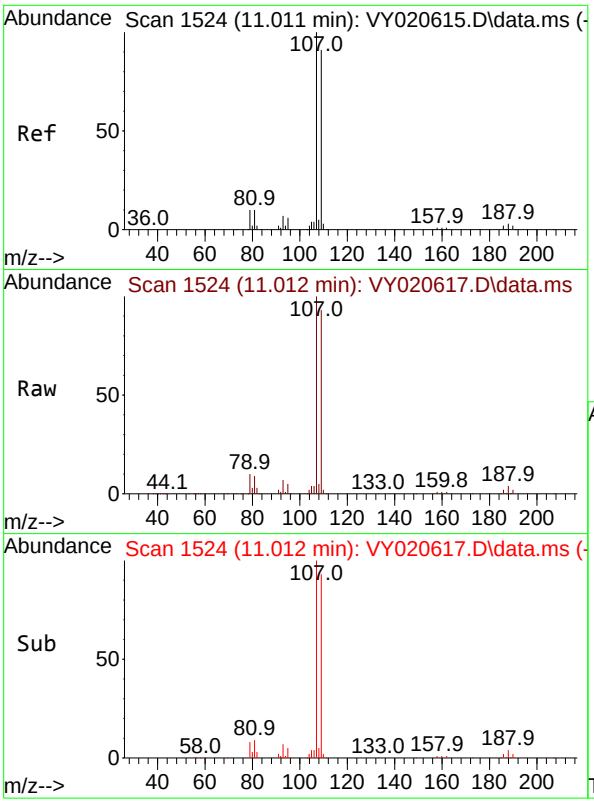


#60
Dibromochloromethane
Concen: 138.906 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:129 Resp: 318266

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



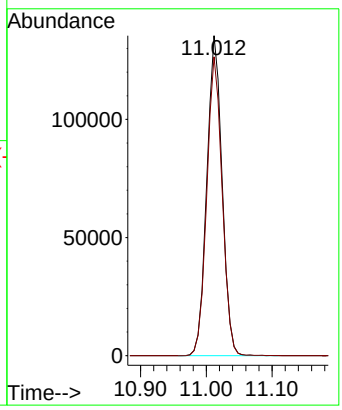


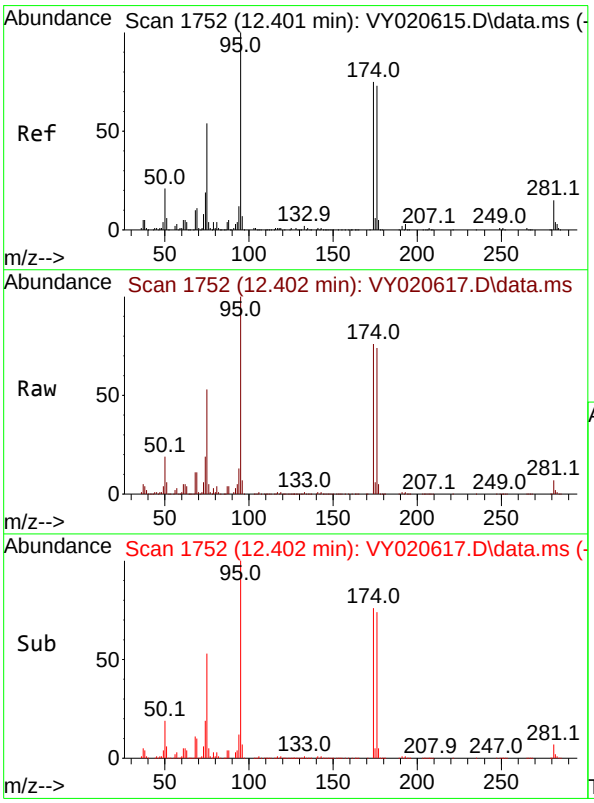
#61
1,2-Dibromoethane
Concen: 137.043 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 218394

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

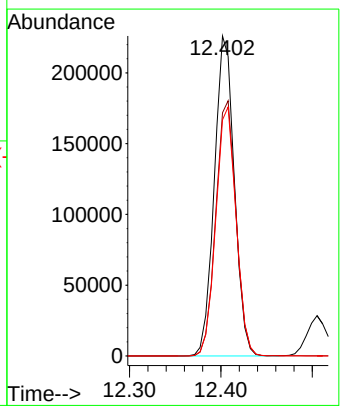


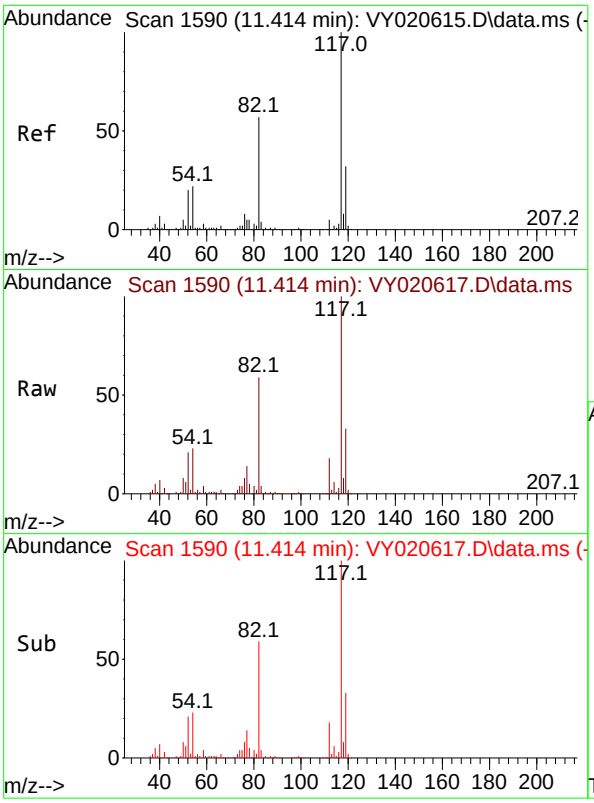


#62
4-Bromofluorobenzene
Concen: 127.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



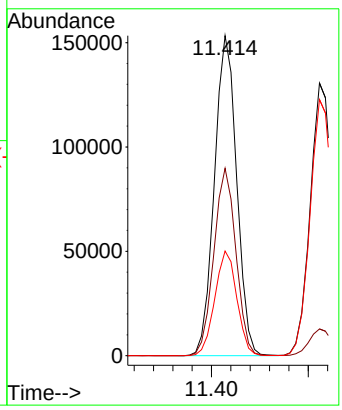


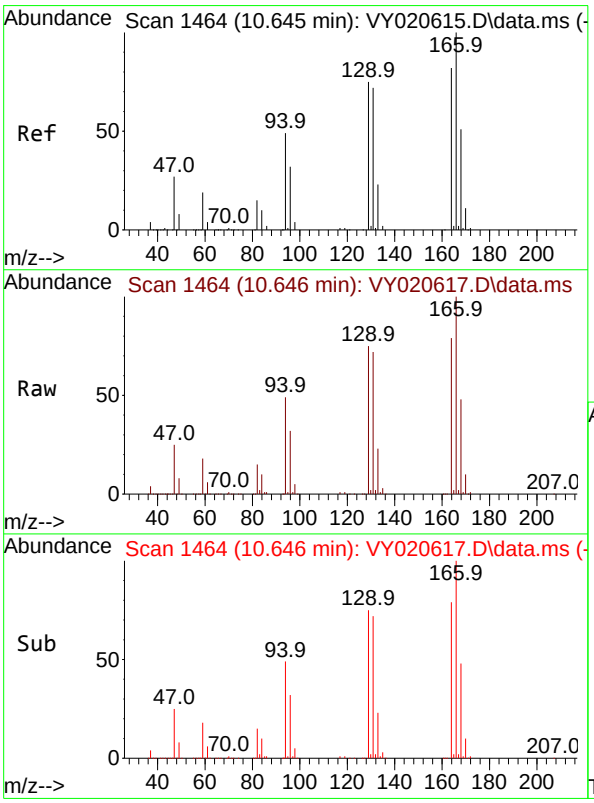
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

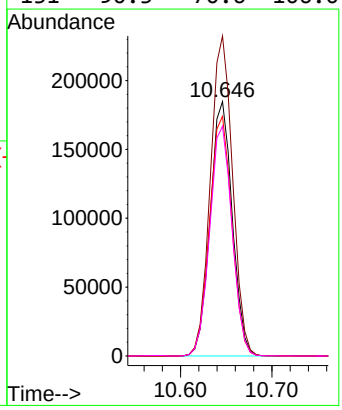


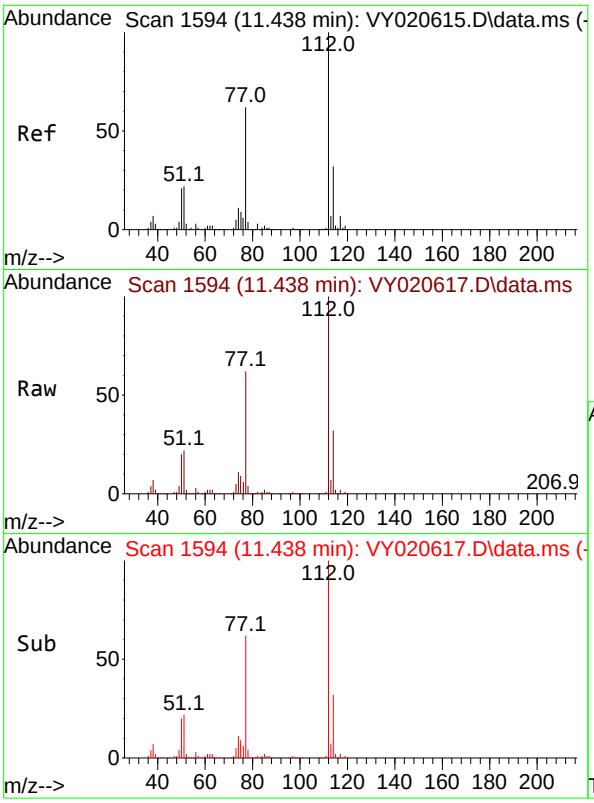


#64
Tetrachloroethene
Concen: 134.678 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



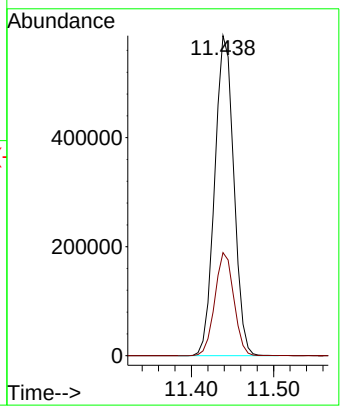


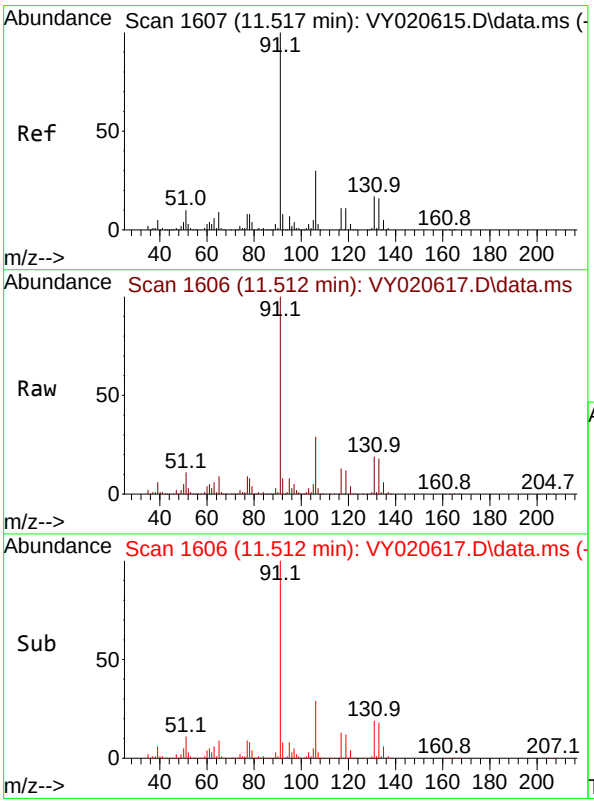
#65
Chlorobenzene
Concen: 138.742 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 948051

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

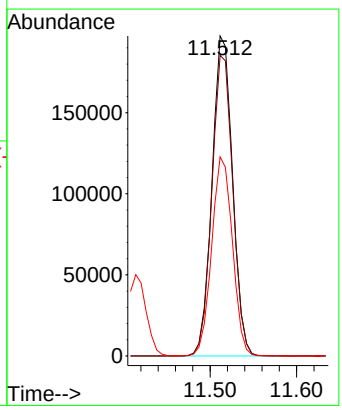


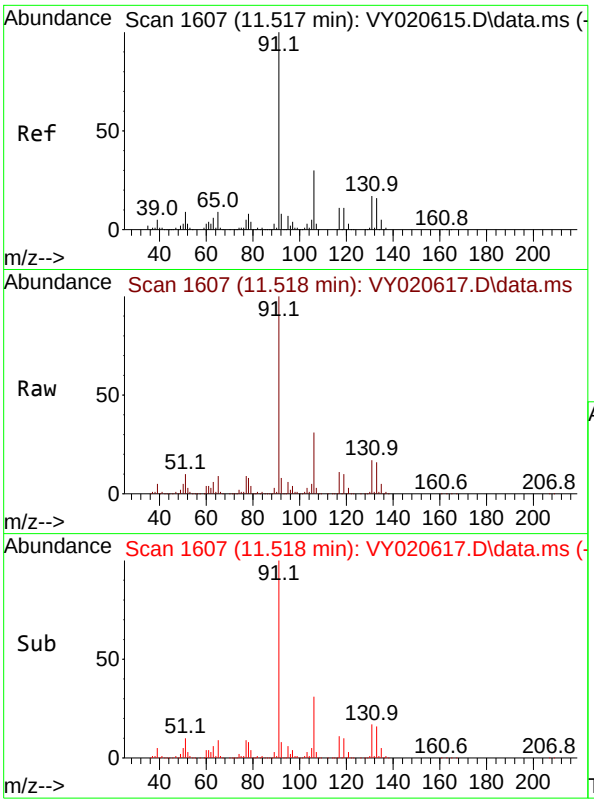


#66
1,1,1,2-Tetrachloroethane
Concen: 138.995 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



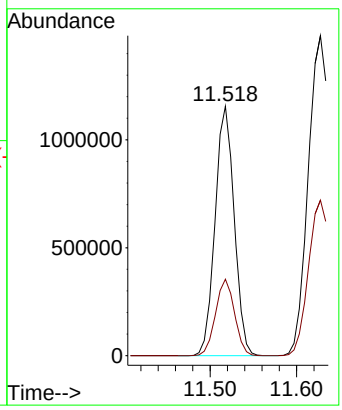


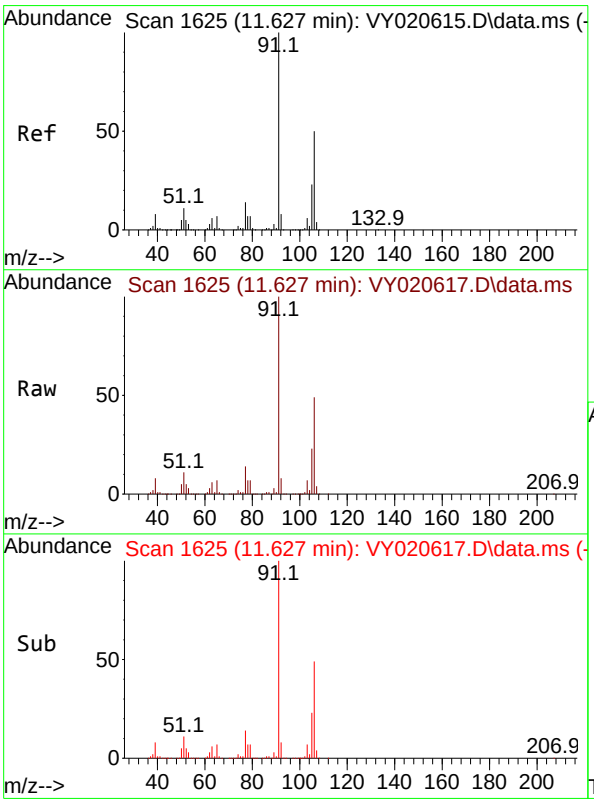
#67
Ethyl Benzene
Concen: 140.410 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1770086

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

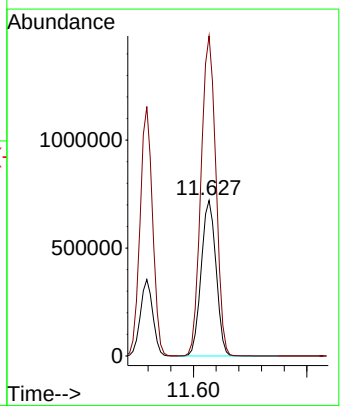


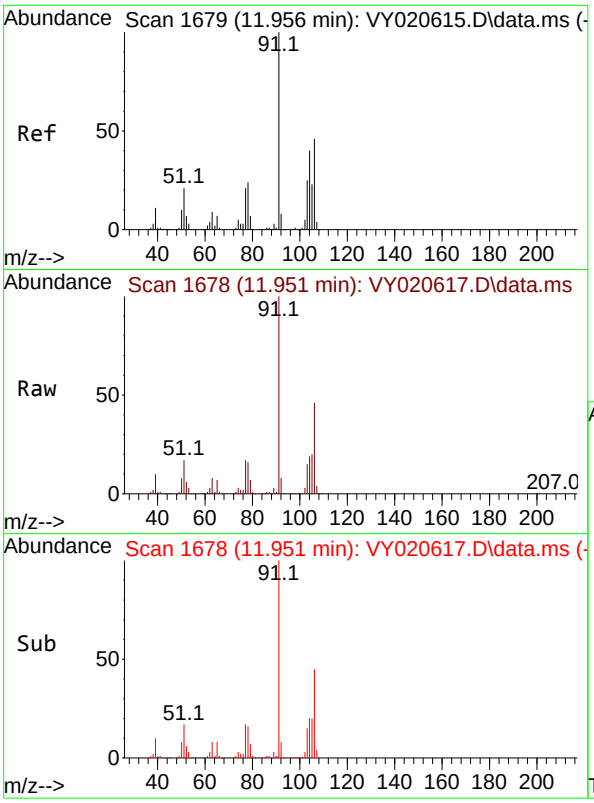


#68
m/p-Xylenes
Concen: 279.114 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 1308282

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.0	247.4



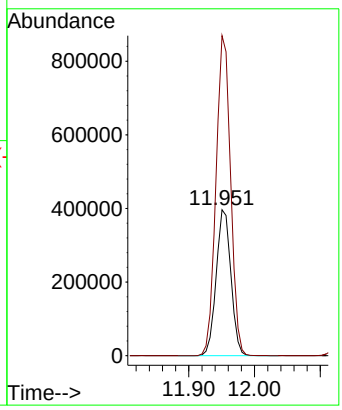


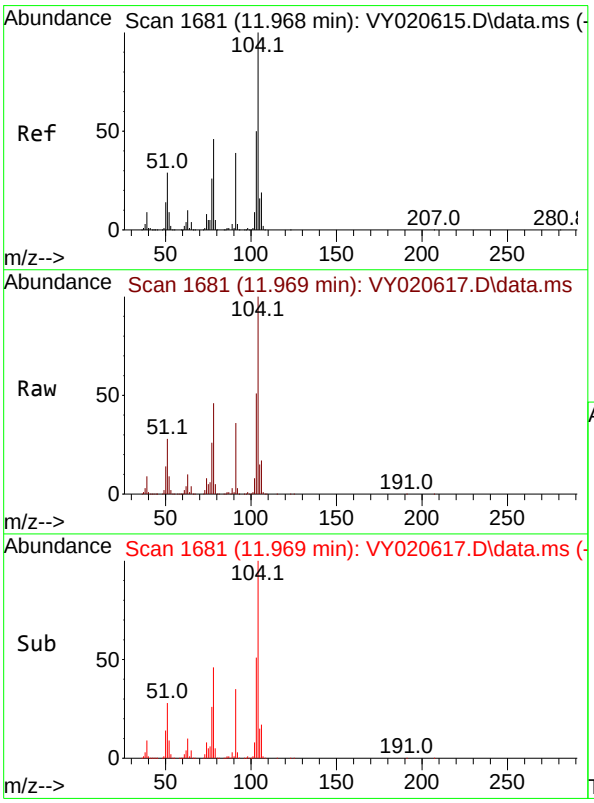
#69
o-Xylene
Concen: 141.099 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 617079

Ion	Ratio	Lower	Upper
106	100		
91	217.7	108.4	325.2

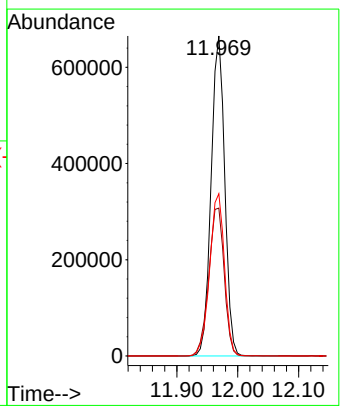


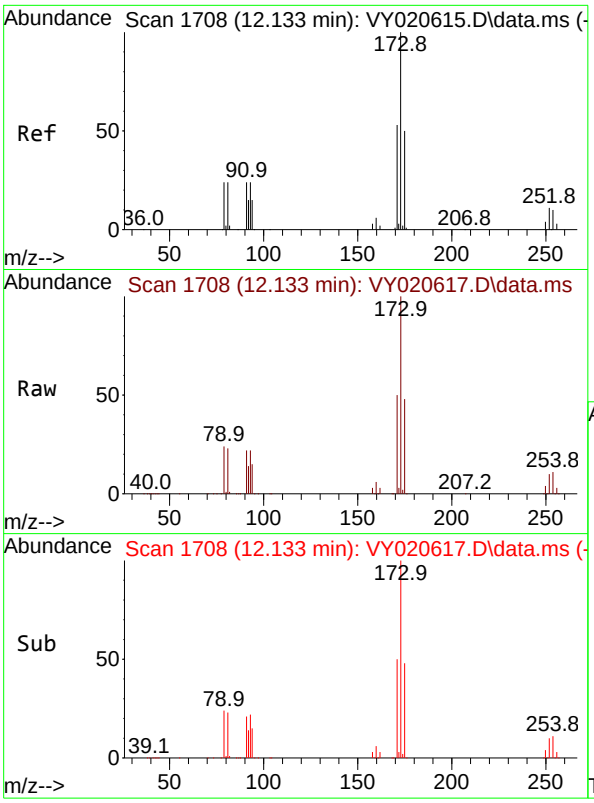


#70
Styrene
Concen: 141.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



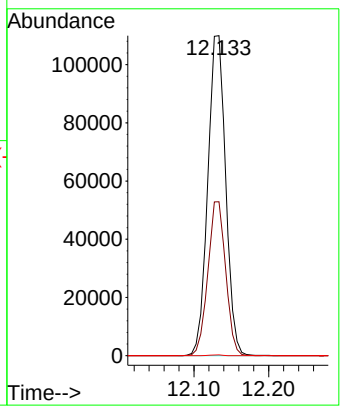


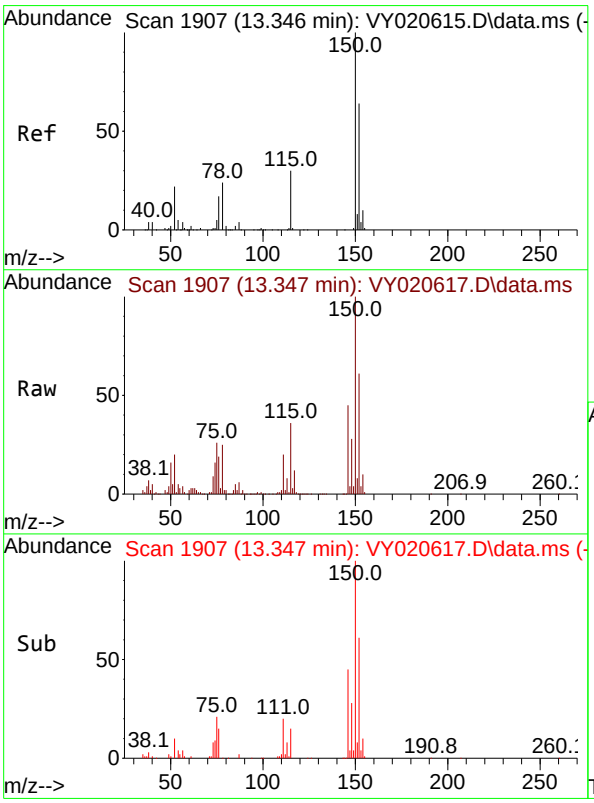
#71
Bromoform
Concen: 139.463 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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#

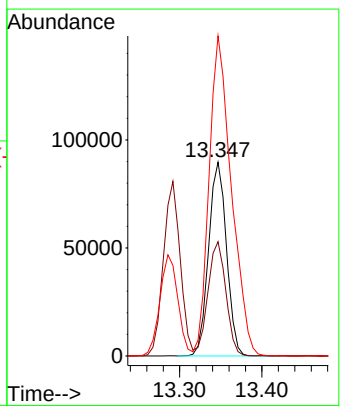


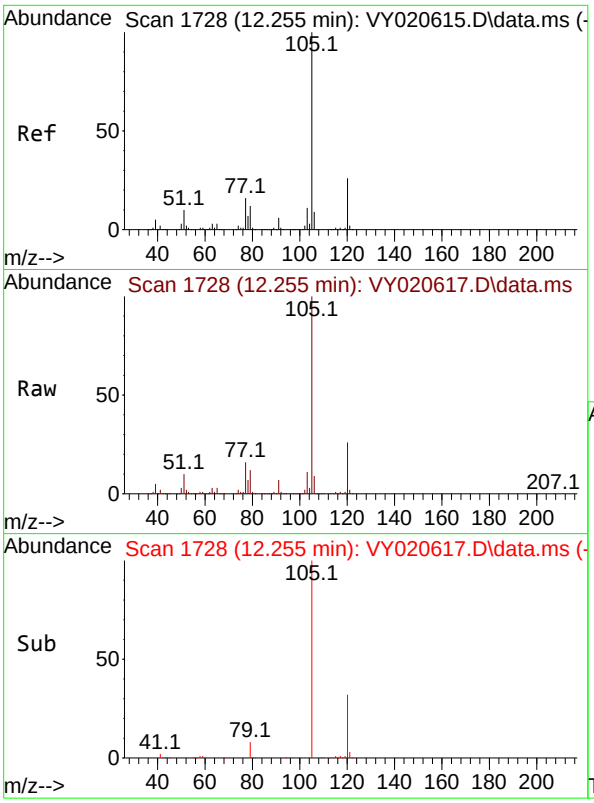


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



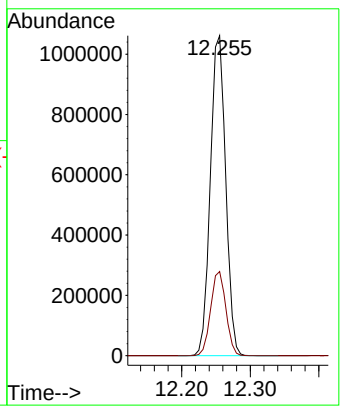


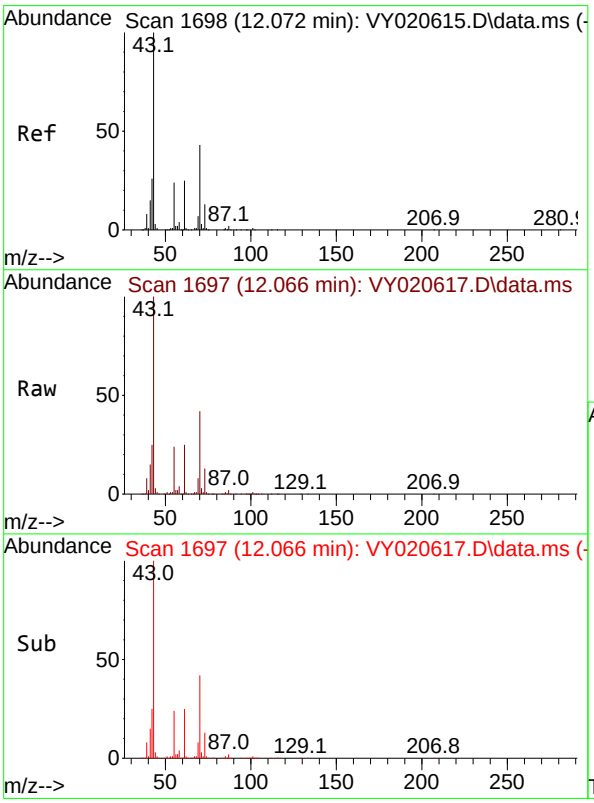
#73
Isopropylbenzene
Concen: 139.276 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1651138

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

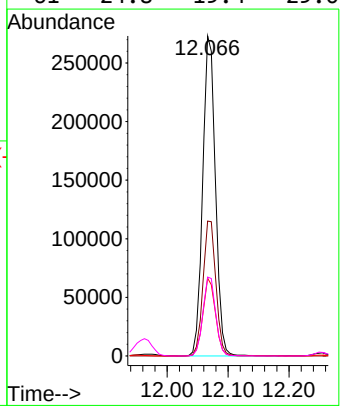


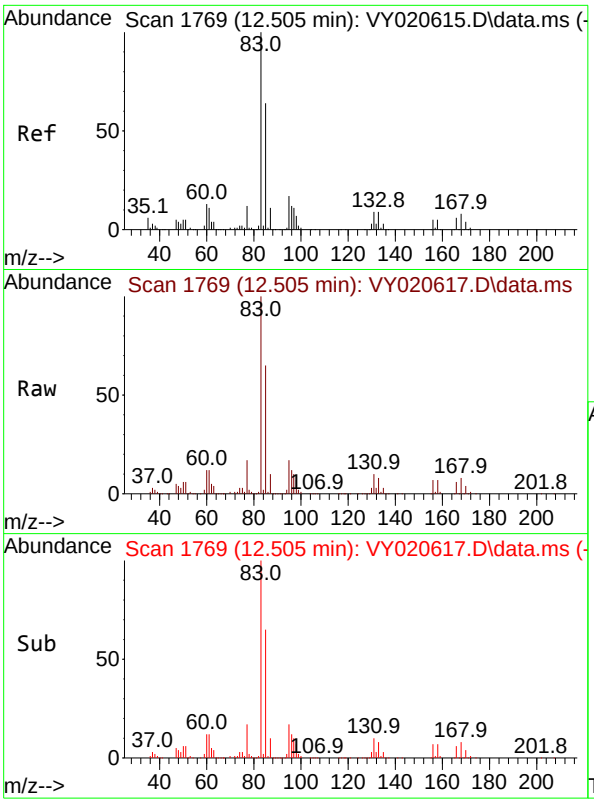


#74
N-amyl acetate
Concen: 142.807 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



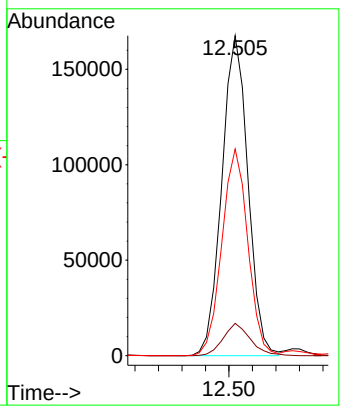


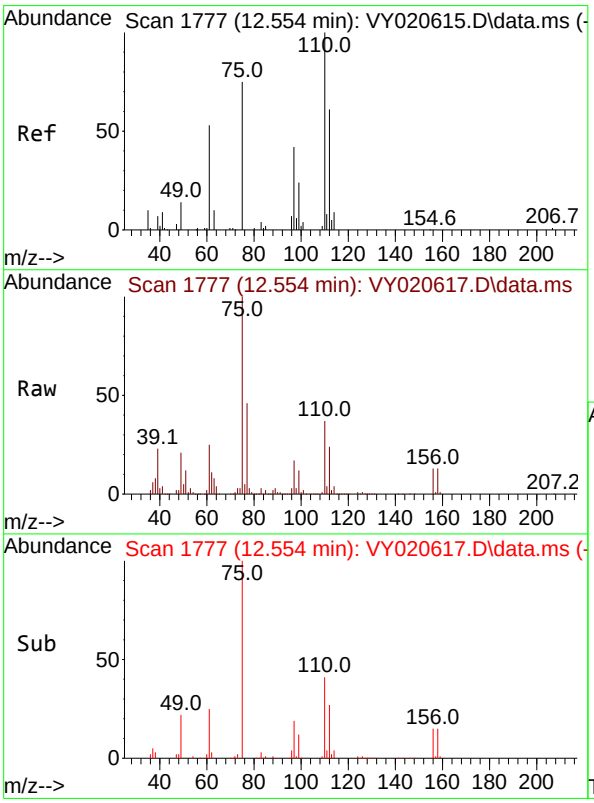
#75
1,1,2,2-Tetrachloroethane
Concen: 134.480 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

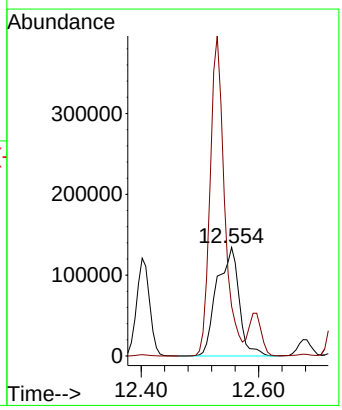


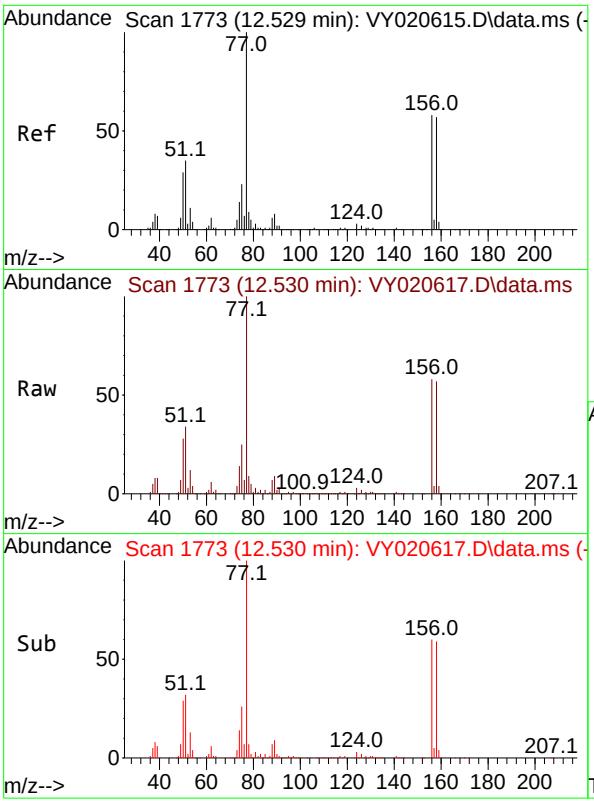


#76
1,2,3-Trichloropropane
Concen: 251.196 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 351473

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



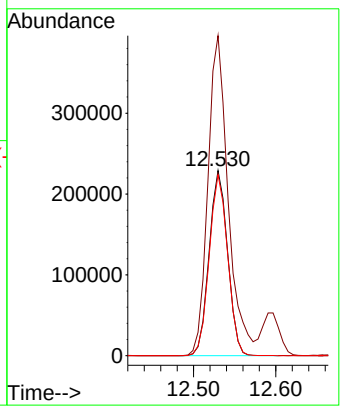


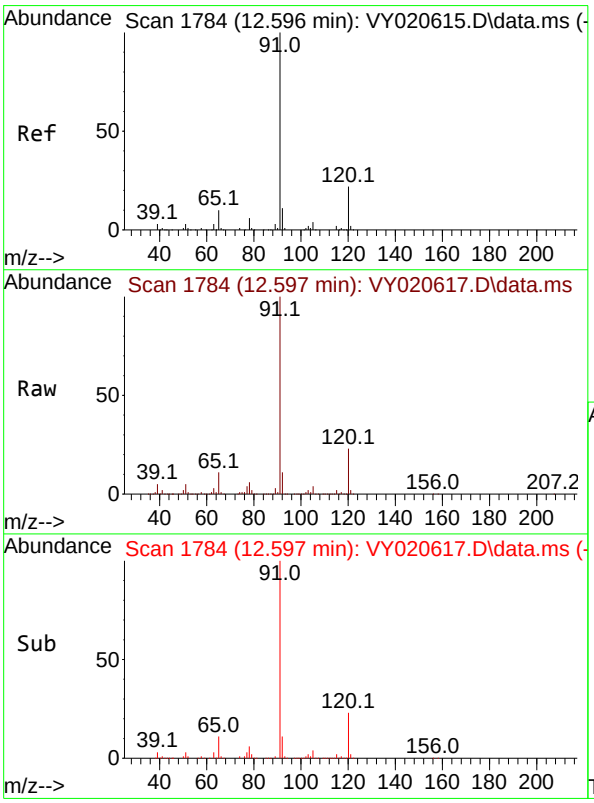
#77
Bromobenzene
Concen: 138.423 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

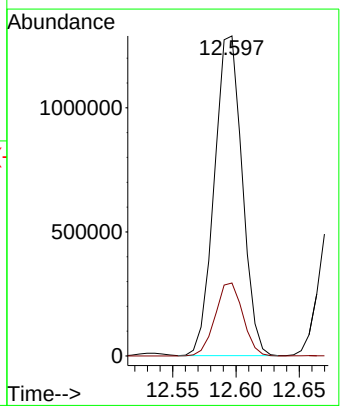


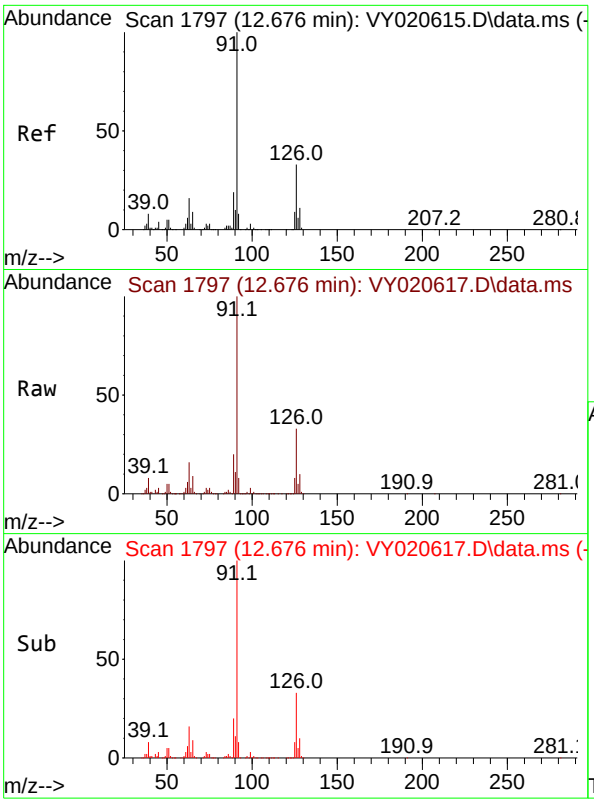


#78
n-propylbenzene
Concen: 138.026 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1971458

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



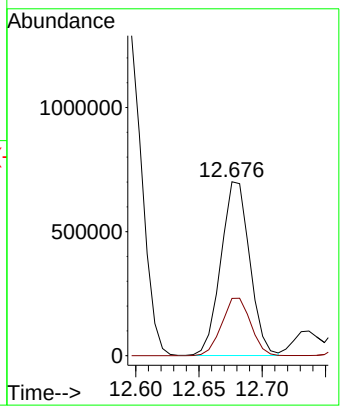


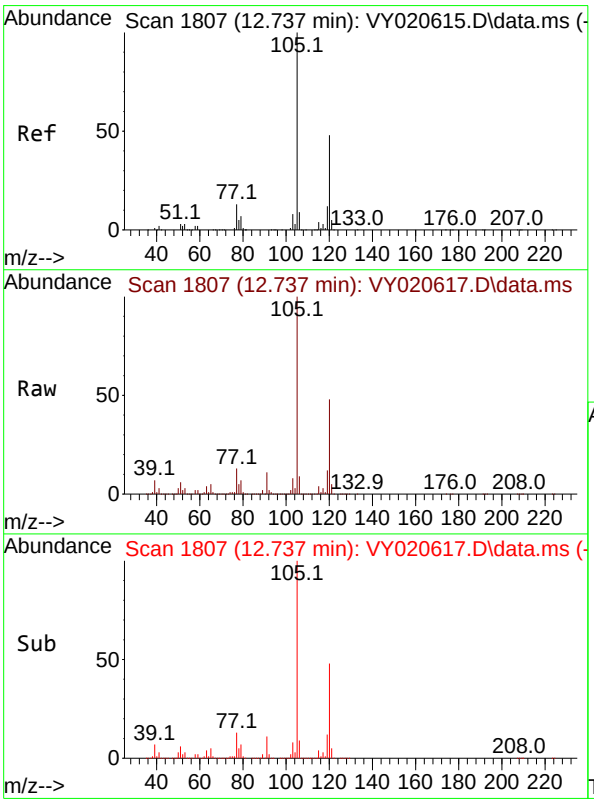
#79
2-Chlorotoluene
Concen: 138.298 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1111362

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7

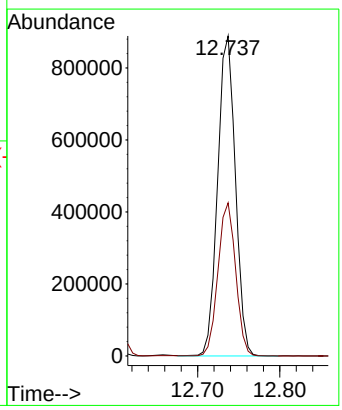


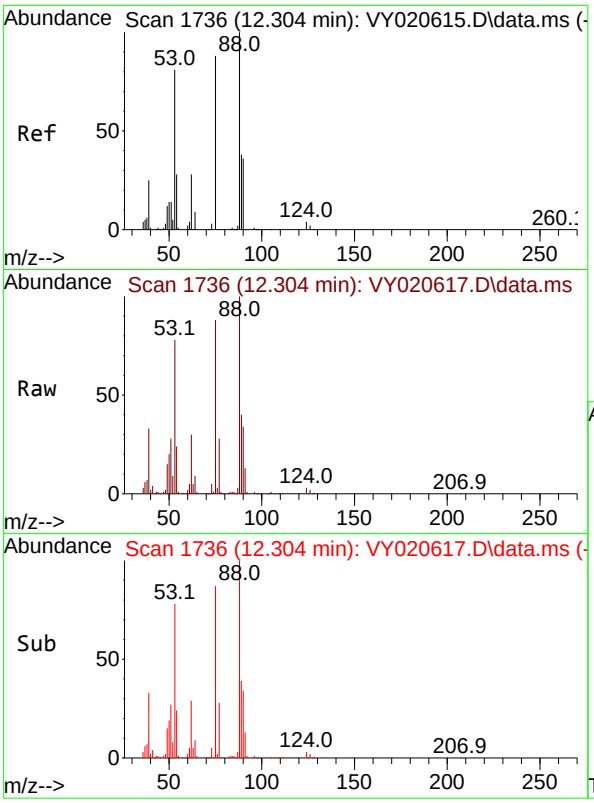


#80
1,3,5-Trimethylbenzene
Concen: 138.553 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1332805

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



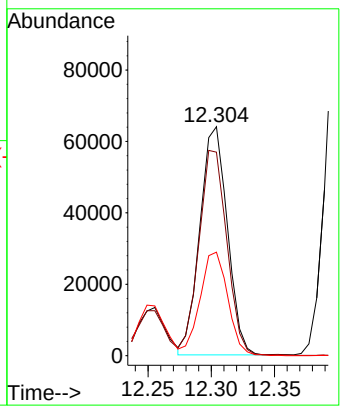


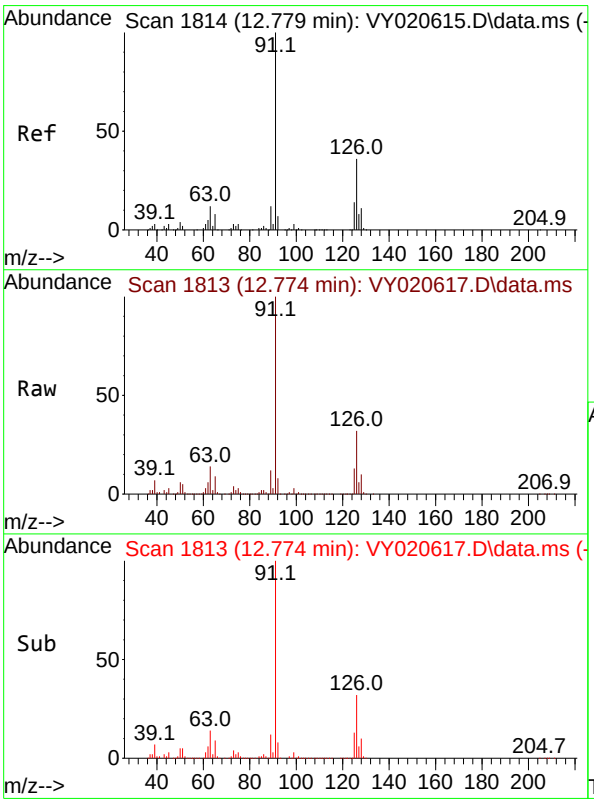
#81
trans-1,4-Dichloro-2-butene
Concen: 143.899 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

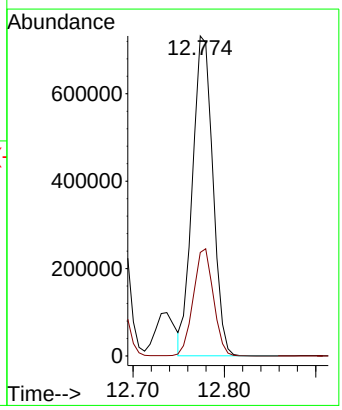


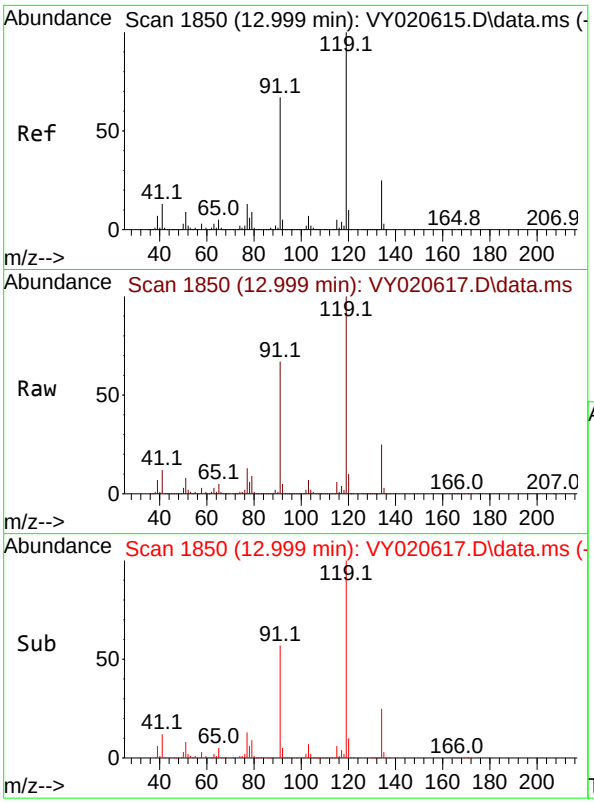


#82
4-Chlorotoluene
Concen: 136.190 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1135416

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



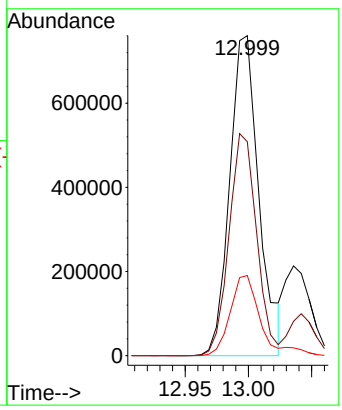


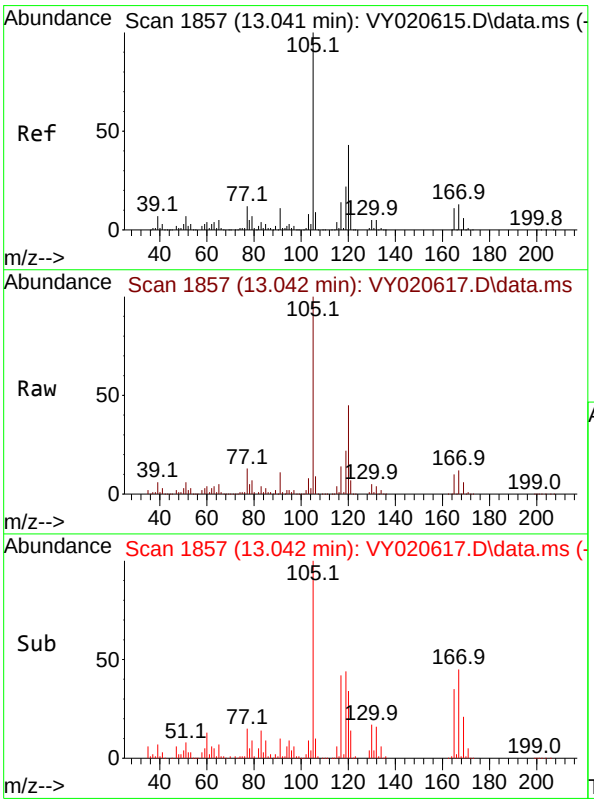
#83
tert-Butylbenzene
Concen: 139.985 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

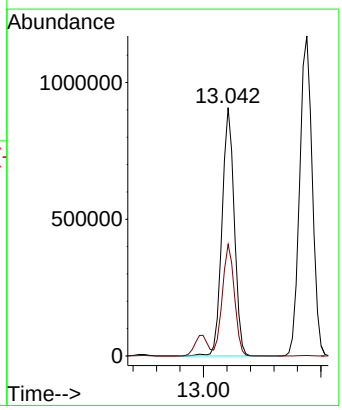


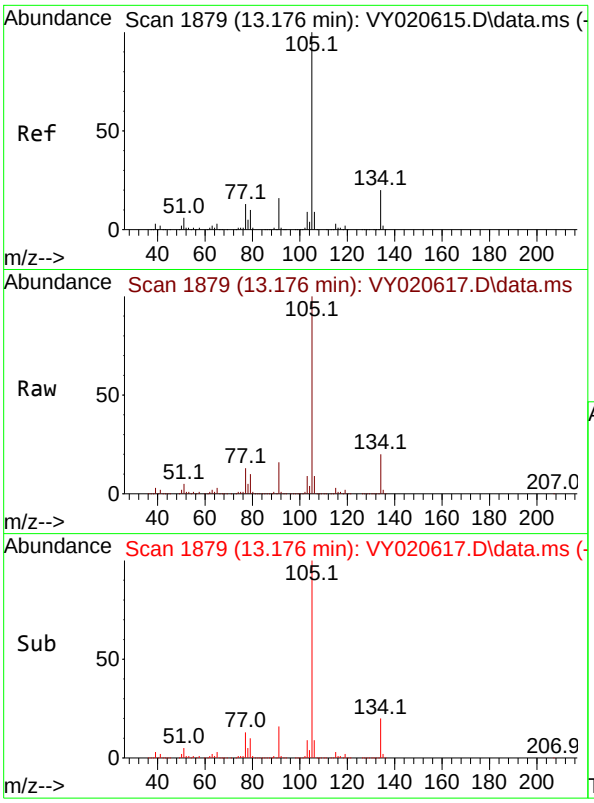


#84
1,2,4-Trimethylbenzene
Concen: 139.253 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1313945

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



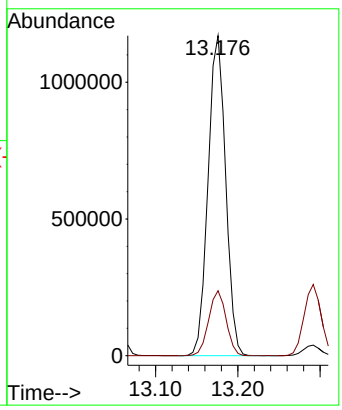


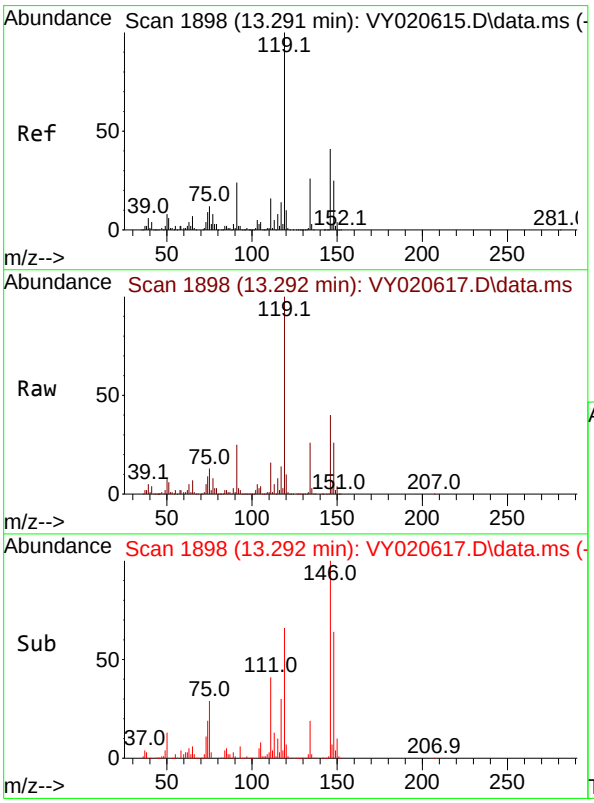
#85
sec-Butylbenzene
Concen: 137.147 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1737212

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

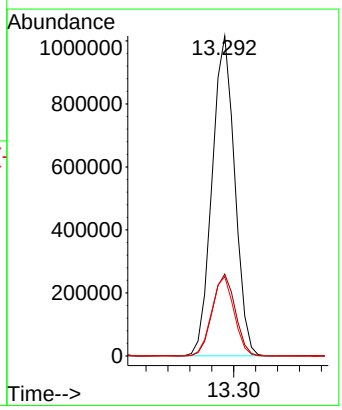


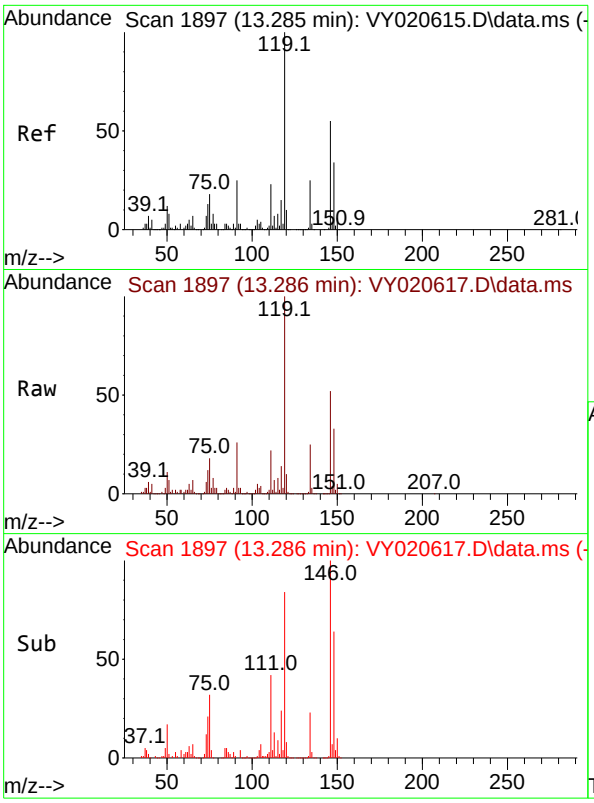


#86
p-Isopropyltoluene
Concen: 139.472 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



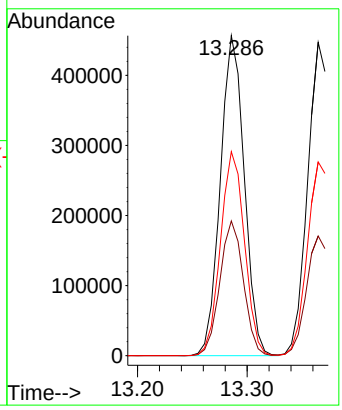


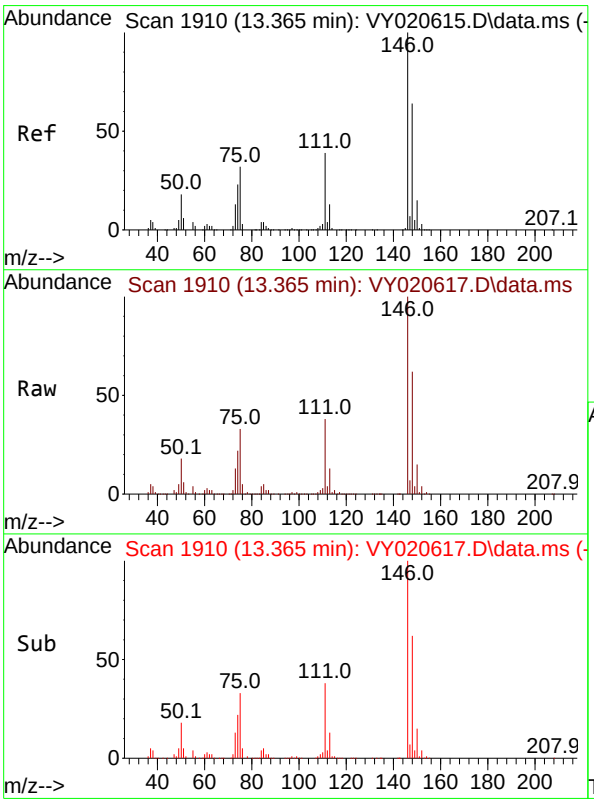
#87
1,3-Dichlorobenzene
Concen: 136.109 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

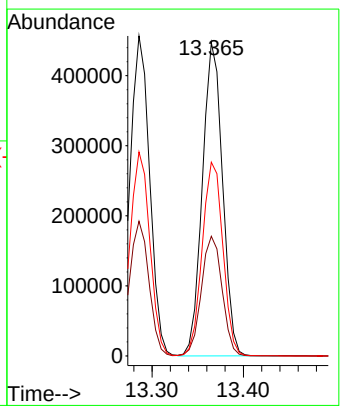


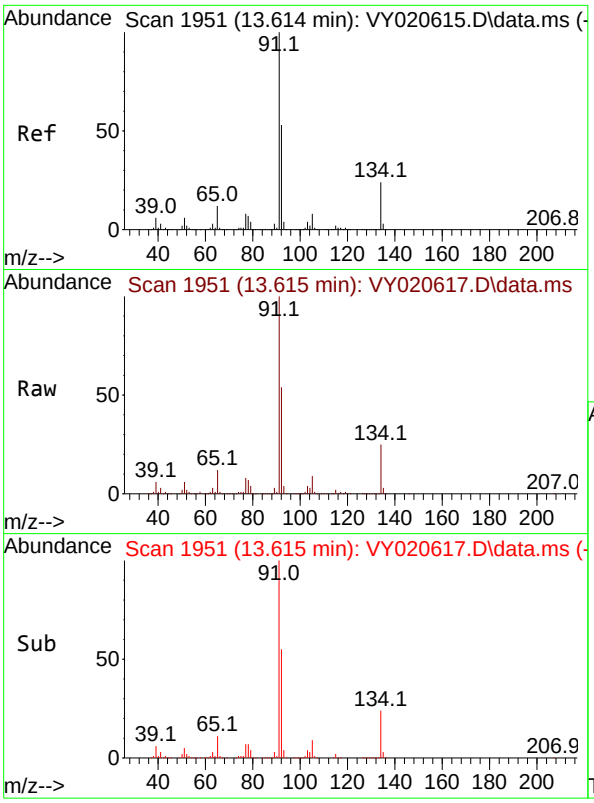


#88
1,4-Dichlorobenzene
Concen: 135.587 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



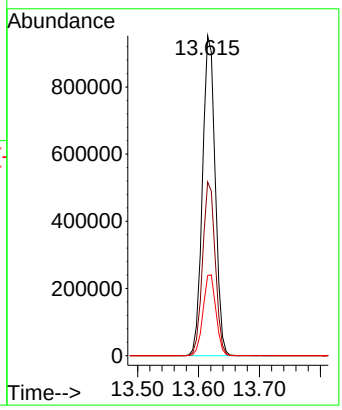


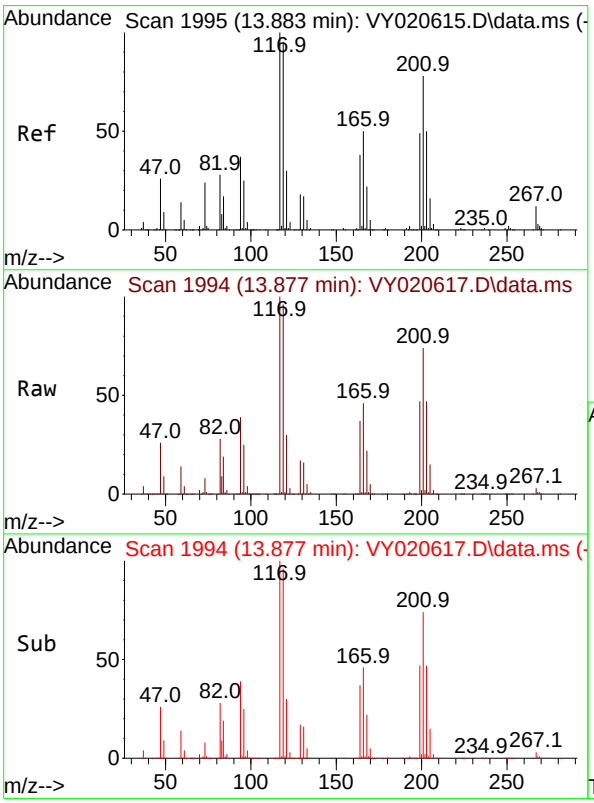
#89
n-Butylbenzene
Concen: 139.722 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

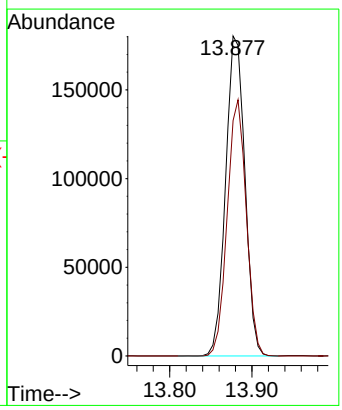


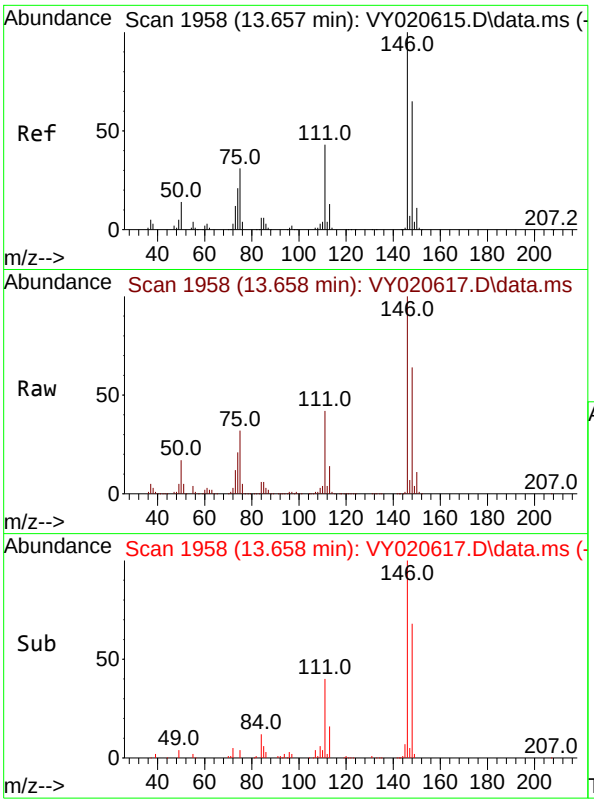


#90
Hexachloroethane
Concen: 141.843 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:117 Resp: 293562

Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.1	117.3



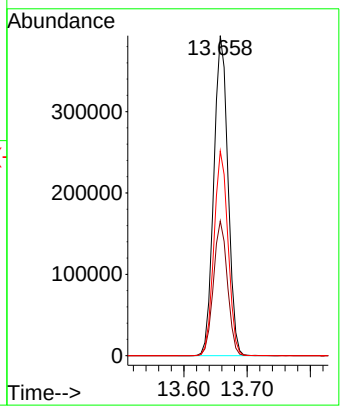


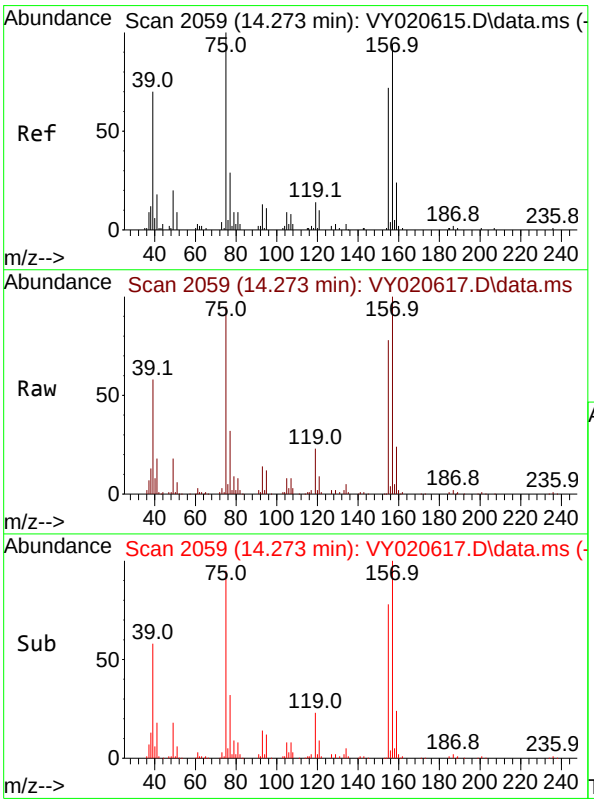
#91
1,2-Dichlorobenzene
Concen: 138.532 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

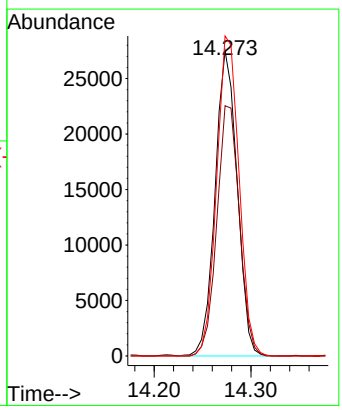


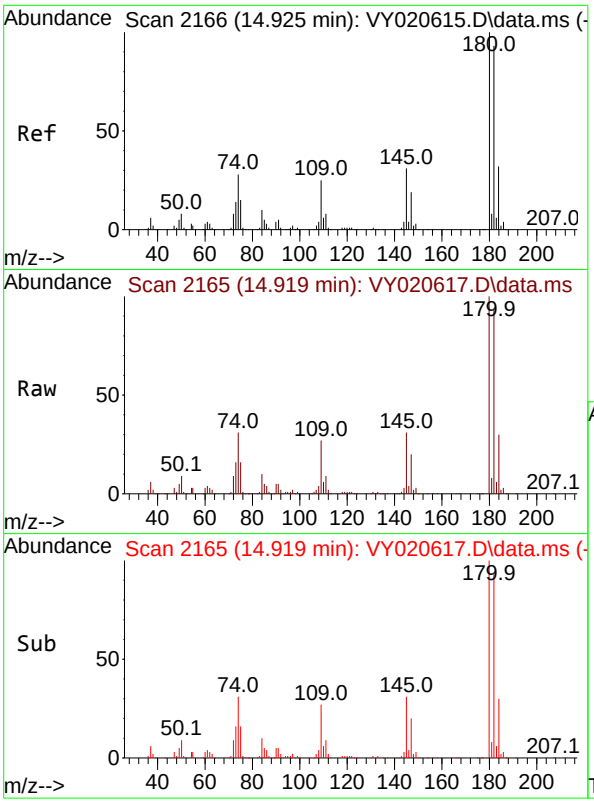


#92
1,2-Dibromo-3-Chloropropane
Concen: 139.274 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



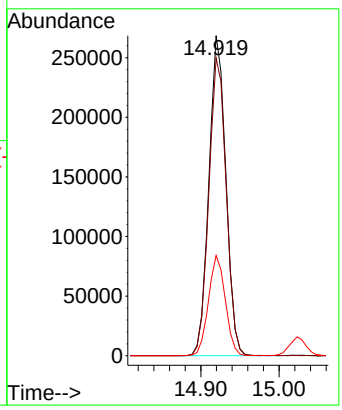


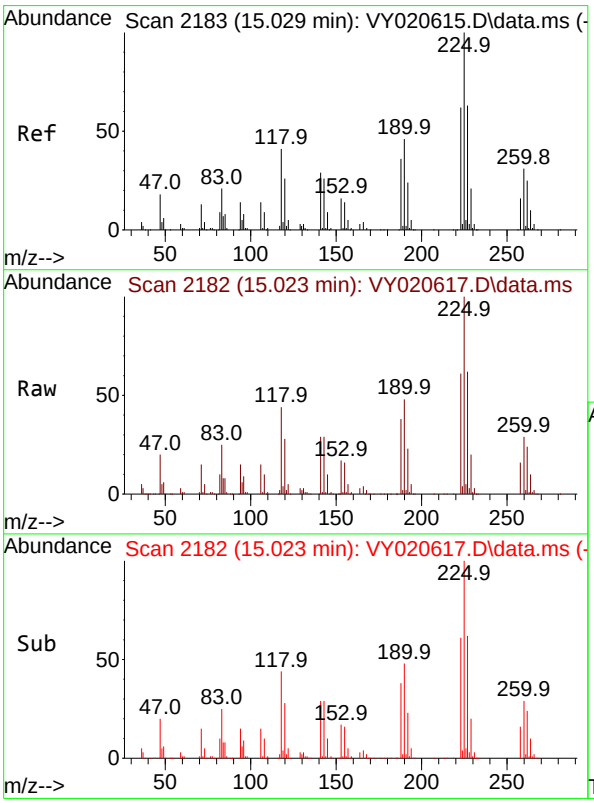
#93
1,2,4-Trichlorobenzene
Concen: 151.011 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

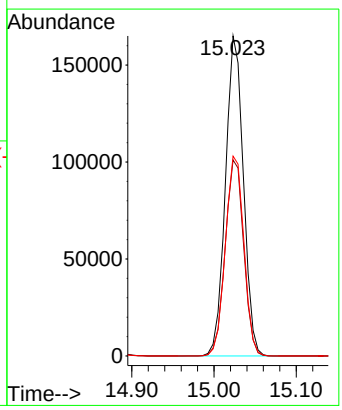


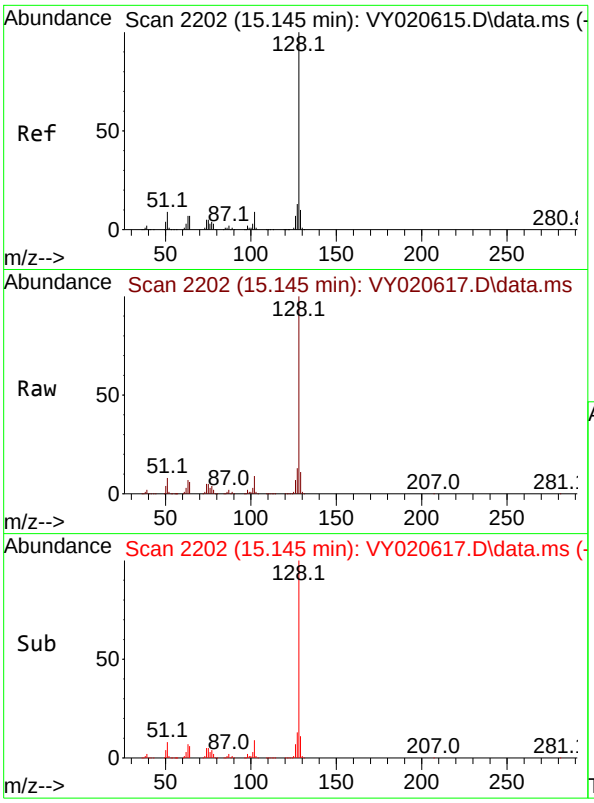


#94
Hexachlorobutadiene
Concen: 143.145 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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



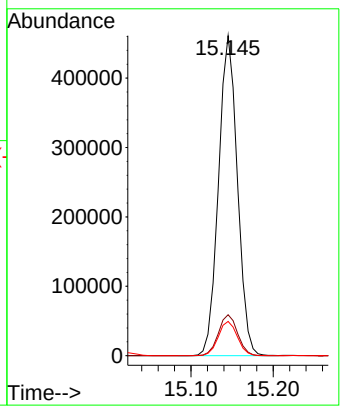


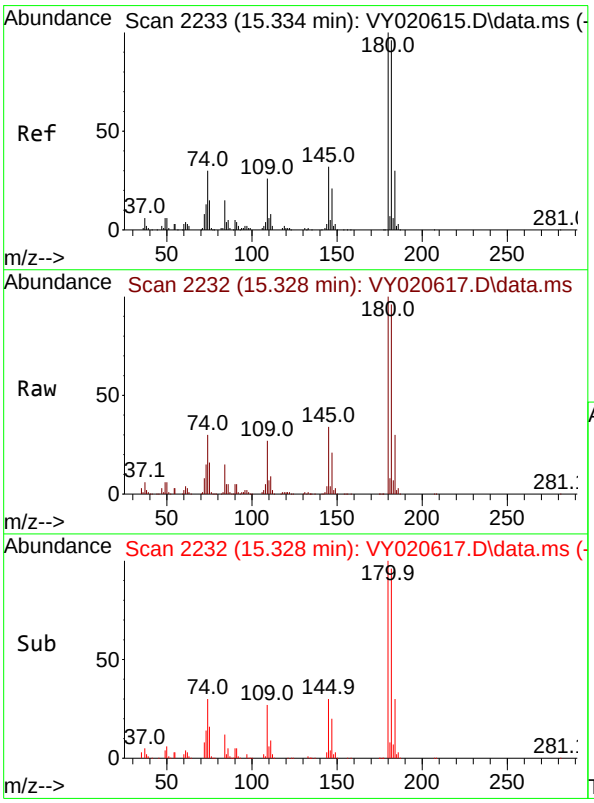
#95
Naphthalene
Concen: 160.836 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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

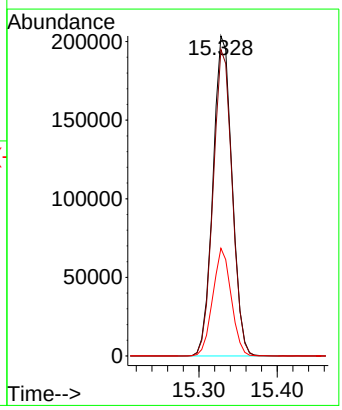




#96
1,2,3-Trichlorobenzene
Concen: 152.787 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

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)

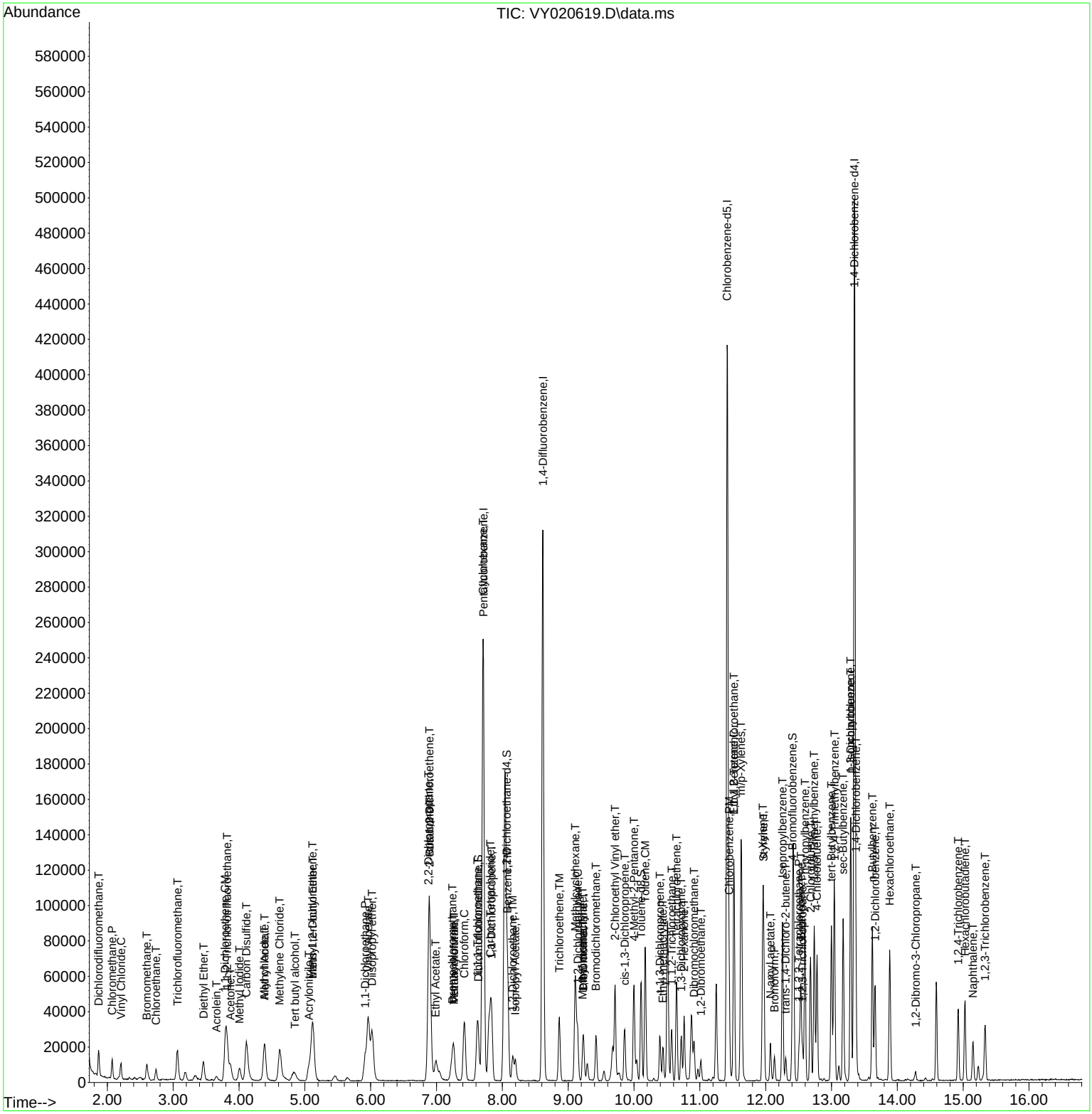
(#) = qualifier out of range (m) = manual integration (+) = signals summed

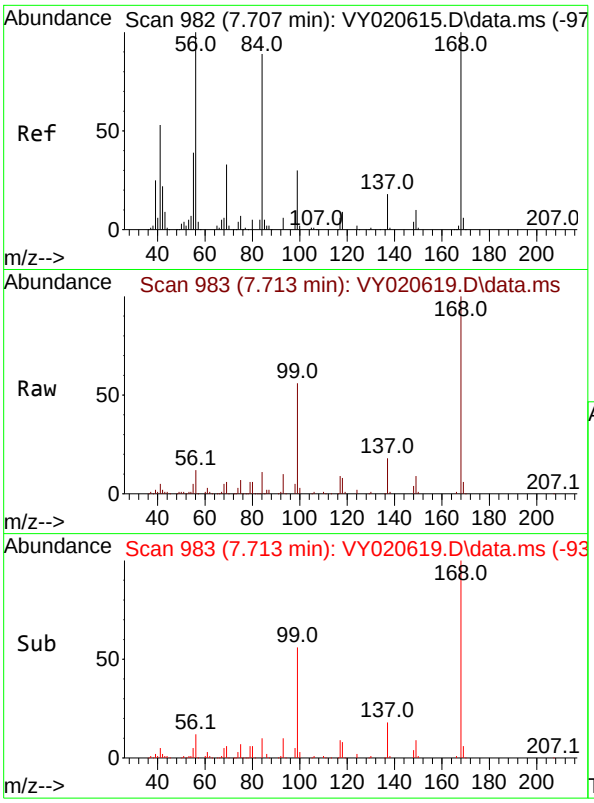
Quantitation Report (Not Reviewed)

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



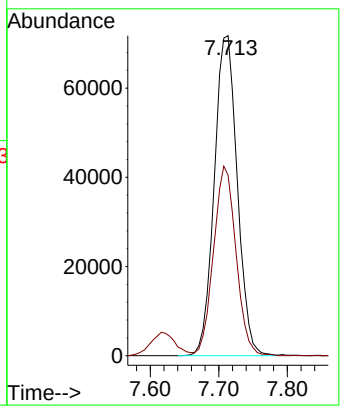


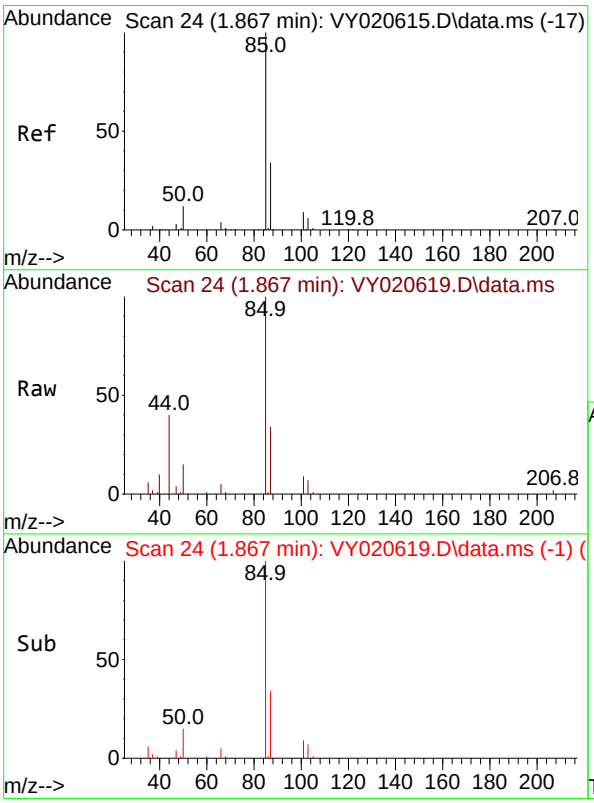
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 167036

Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6

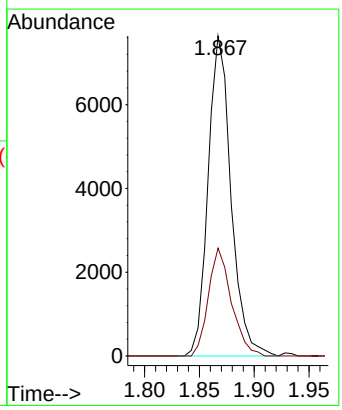


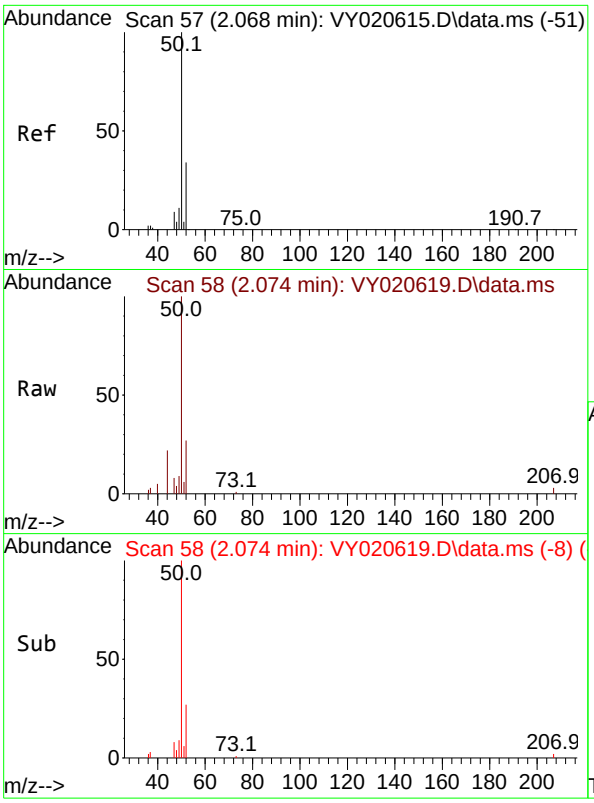


#2
Dichlorodifluoromethane
Concen: 5.326 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 85 Resp: 11112

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.8	50.3



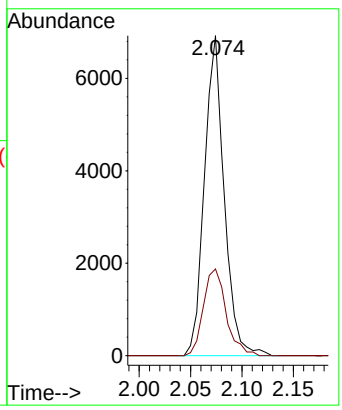


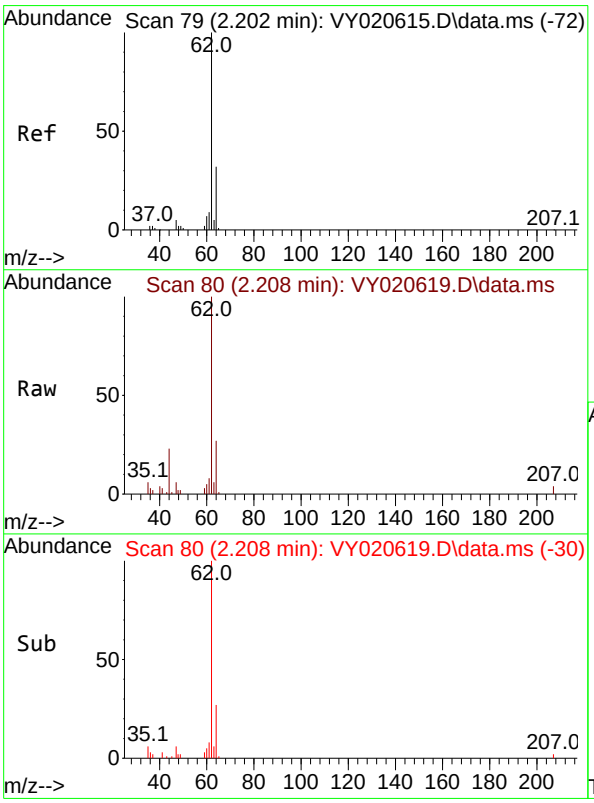
#3
Chloromethane
Concen: 5.994 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9266

Ion	Ratio	Lower	Upper
50	100		
52	27.1	26.8	40.2

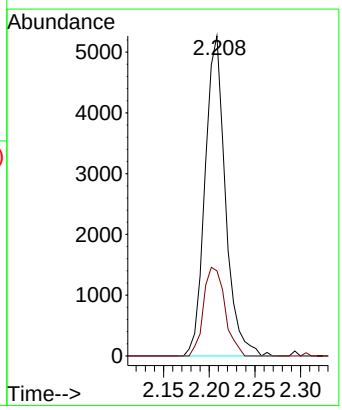


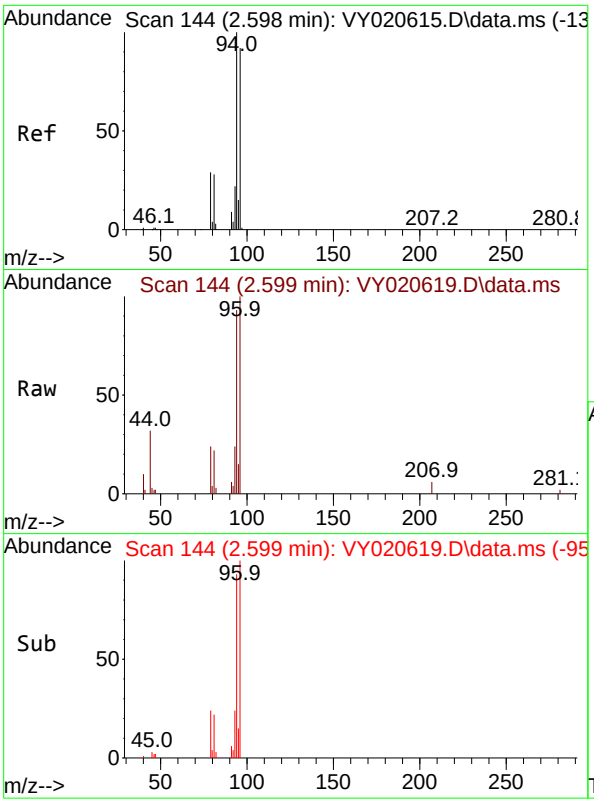


#4
Vinyl Chloride
Concen: 5.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 8140

Ion	Ratio	Lower	Upper
62	100		
64	26.6	25.3	37.9



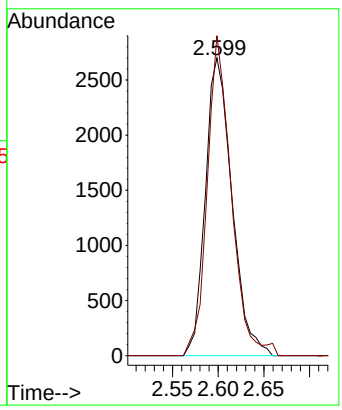


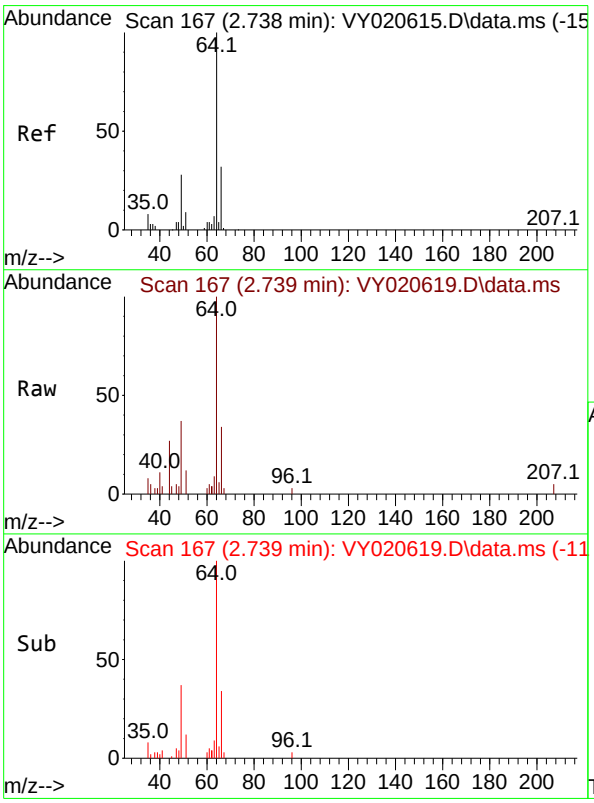
#5
Bromomethane
Concen: 5.906 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 5462

Ion	Ratio	Lower	Upper
94	100		
96	107.5	73.8	110.6

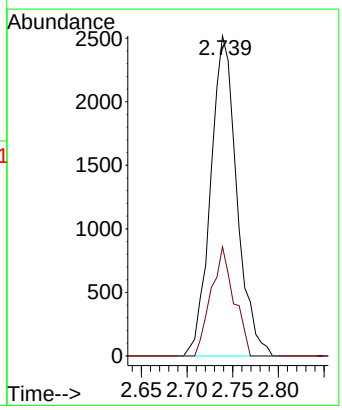


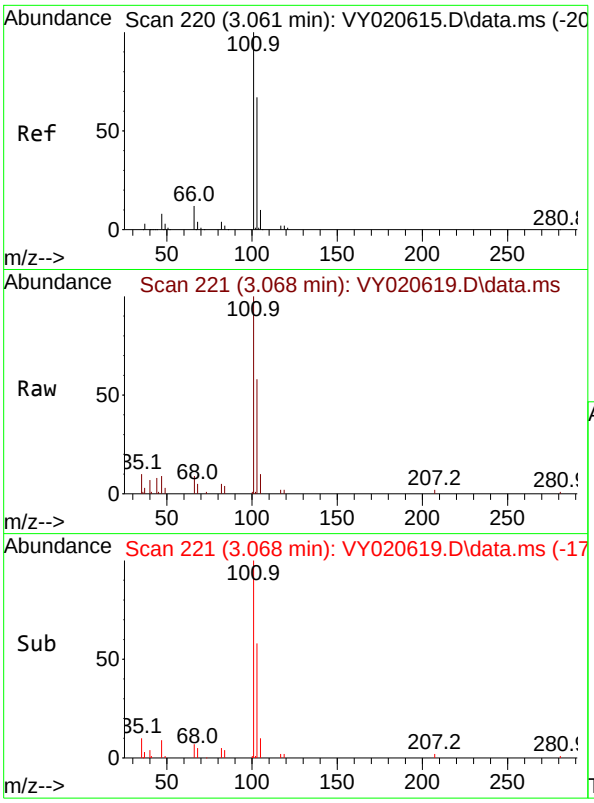


#6
Chloroethane
Concen: 5.667 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 64 Resp: 5039

Ion	Ratio	Lower	Upper
64	100		
66	34.1	25.8	38.6



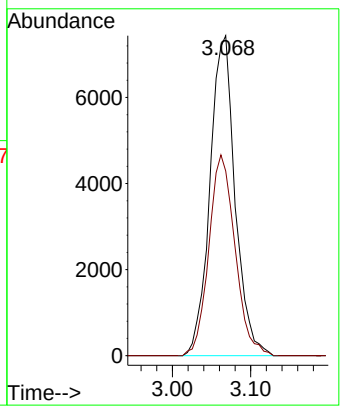


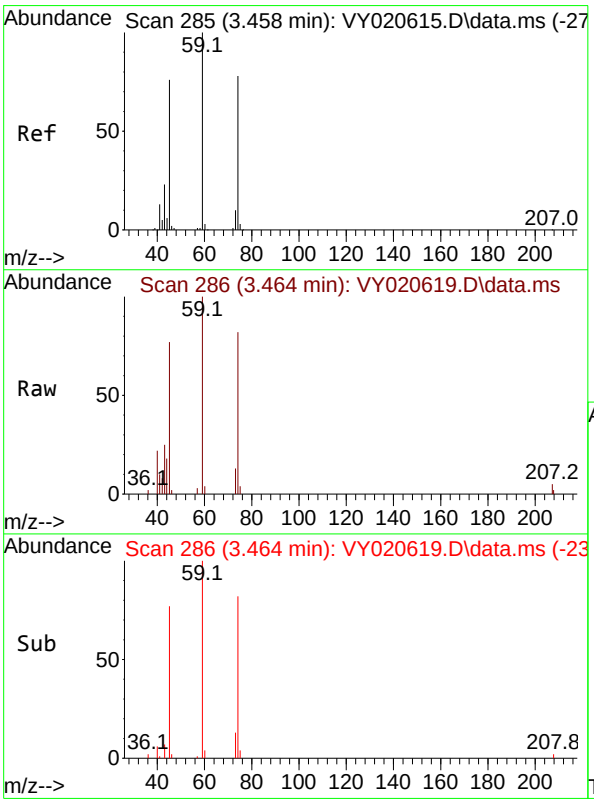
#7
Trichlorofluoromethane
Concen: 5.509 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 16587

Ion	Ratio	Lower	Upper
101	100		
103	57.7	53.4	80.0

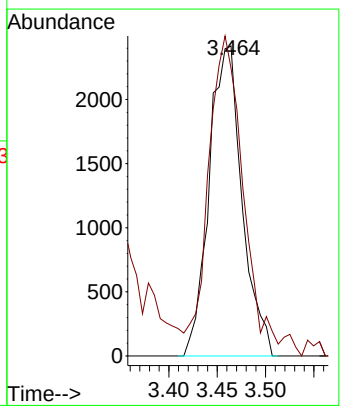


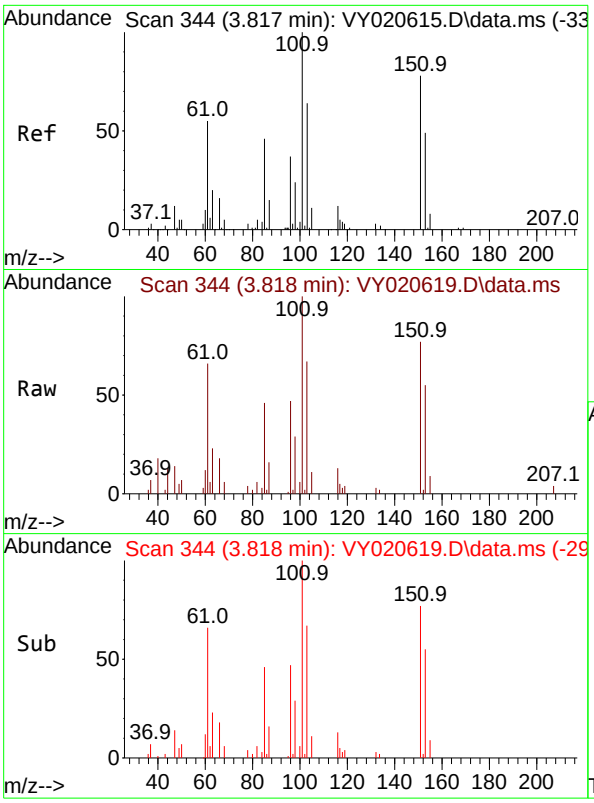


#8
Diethyl Ether
Concen: 5.430 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 74 Resp: 5733

Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.0	147.2



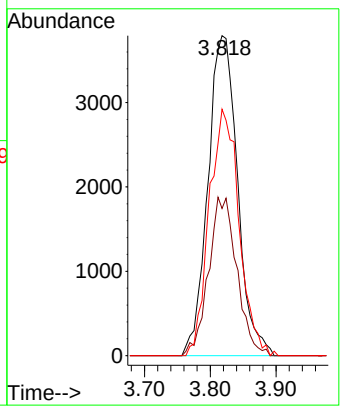


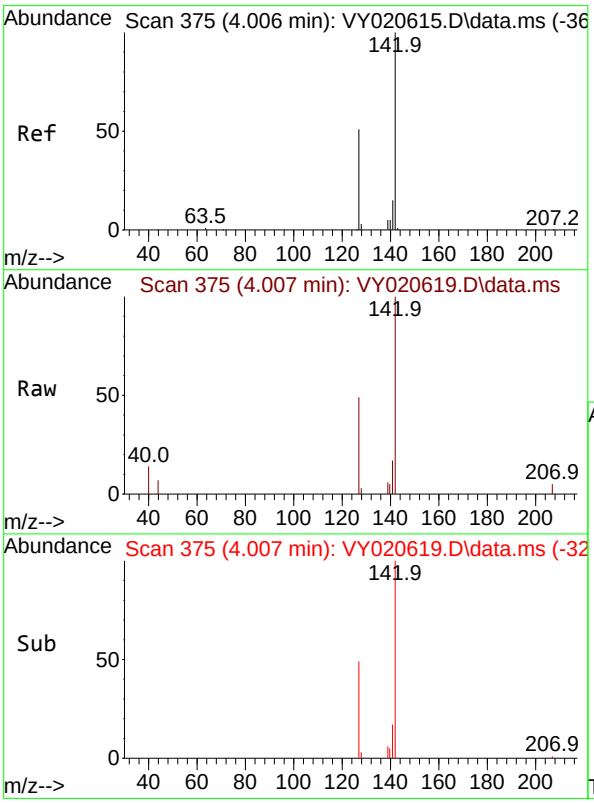
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.515 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

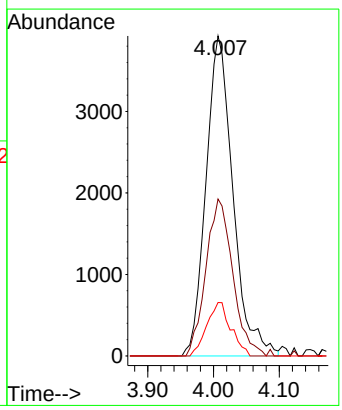


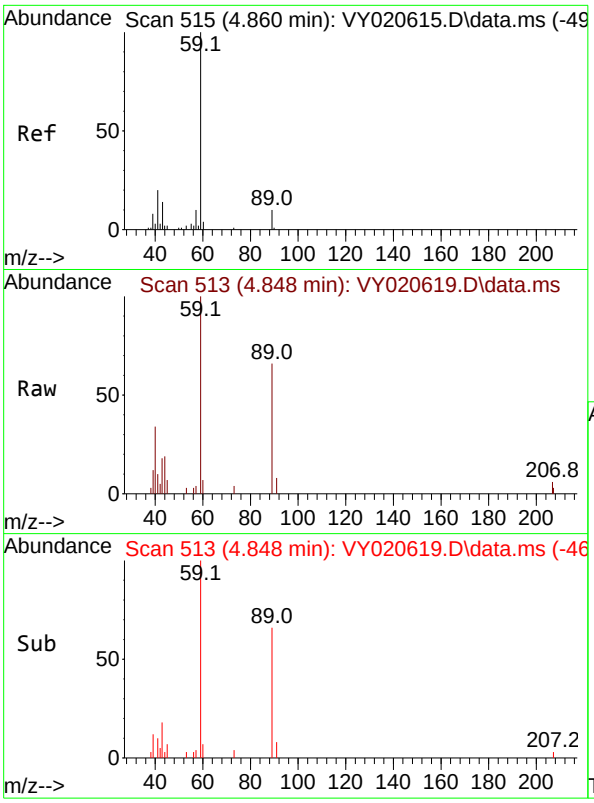


#10
Methyl Iodide
Concen: 4.660 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



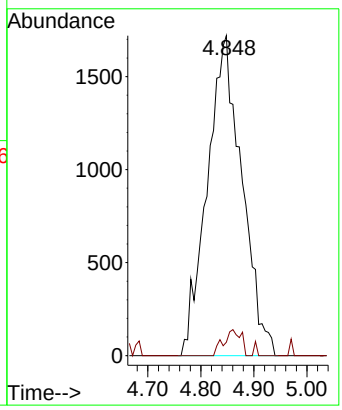


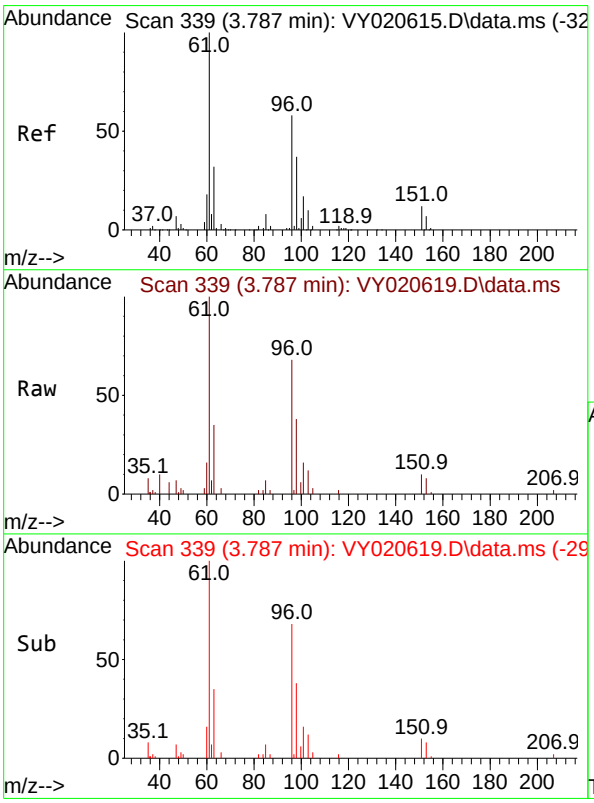
#11
Tert butyl alcohol
Concen: 12.197 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7794

Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.4	11.0#

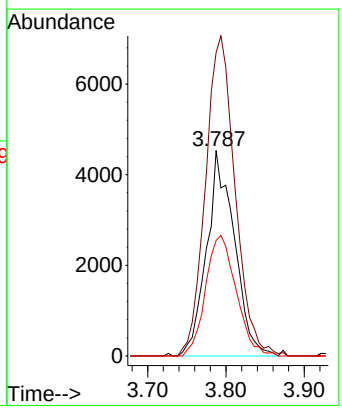


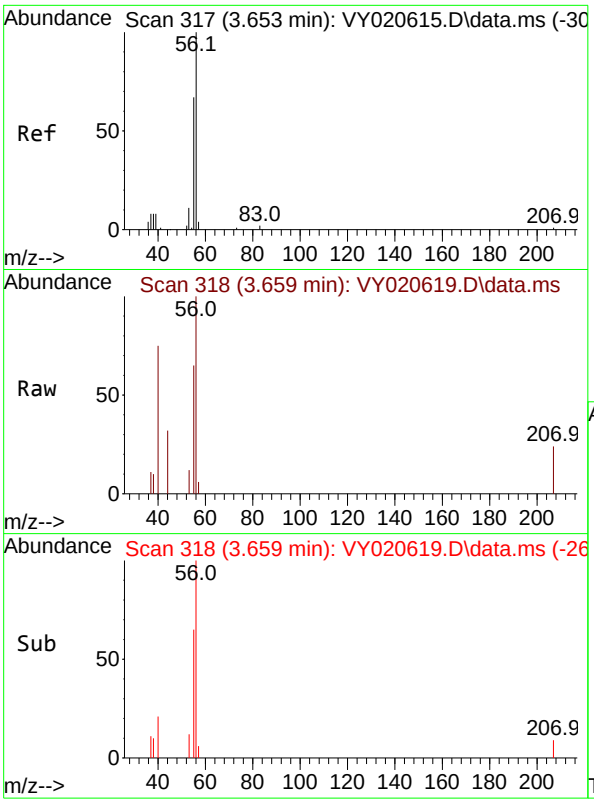


#12
1,1-Dichloroethene
Concen: 5.324 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



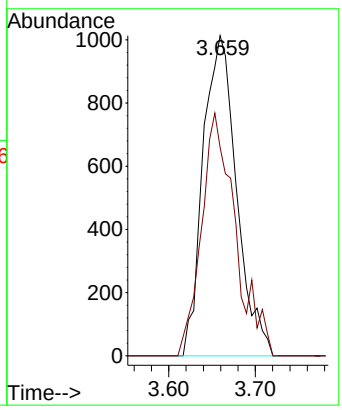


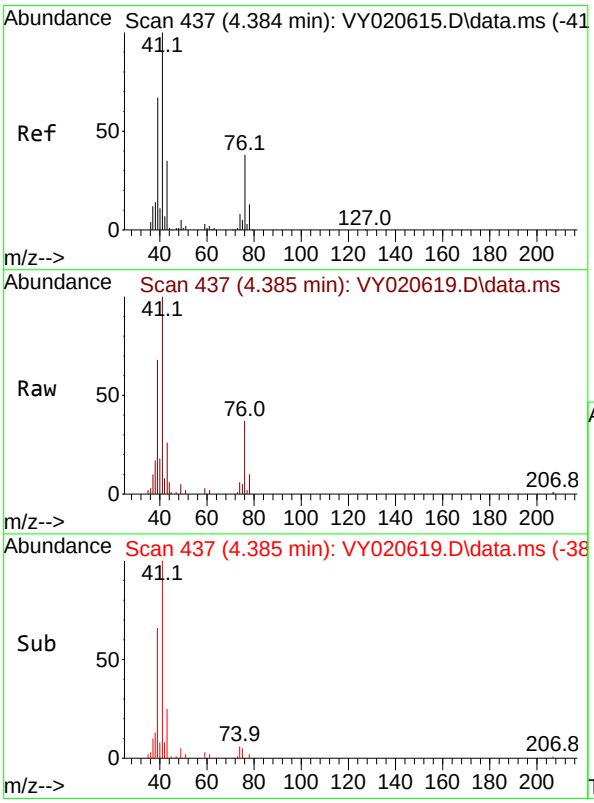
#13
Acrolein
Concen: 31.444 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 2720

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.5	86.3

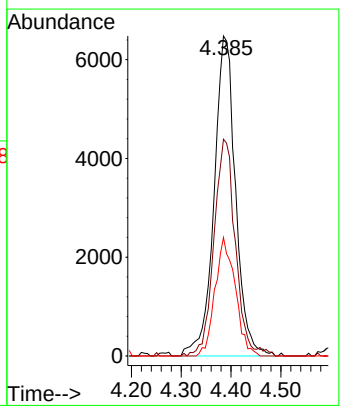


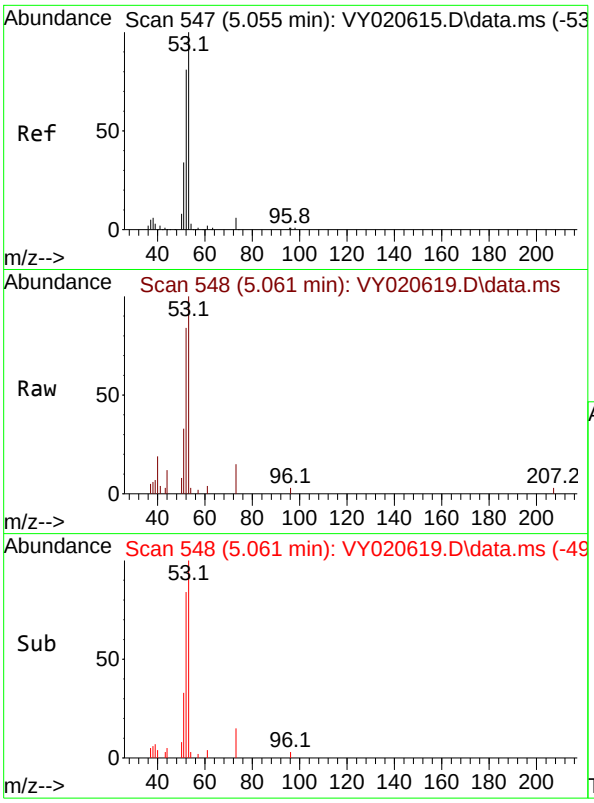


#14
Allyl chloride
Concen: 5.296 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



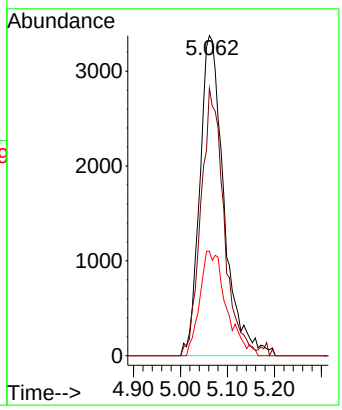


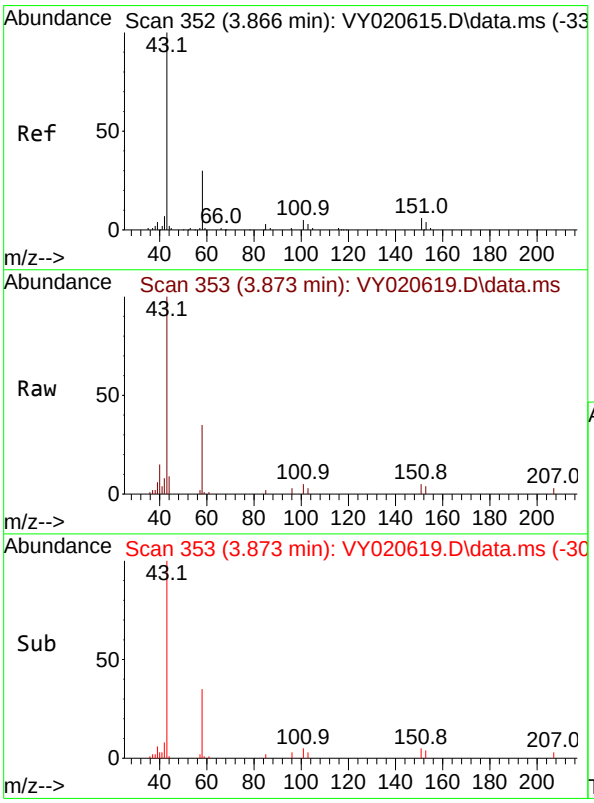
#15
Acrylonitrile
Concen: 23.869 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

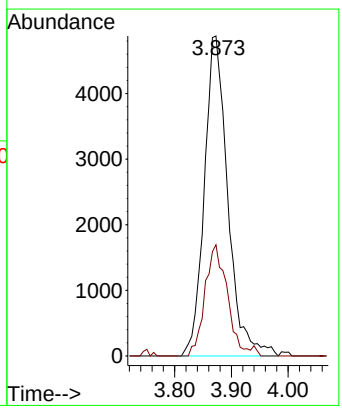


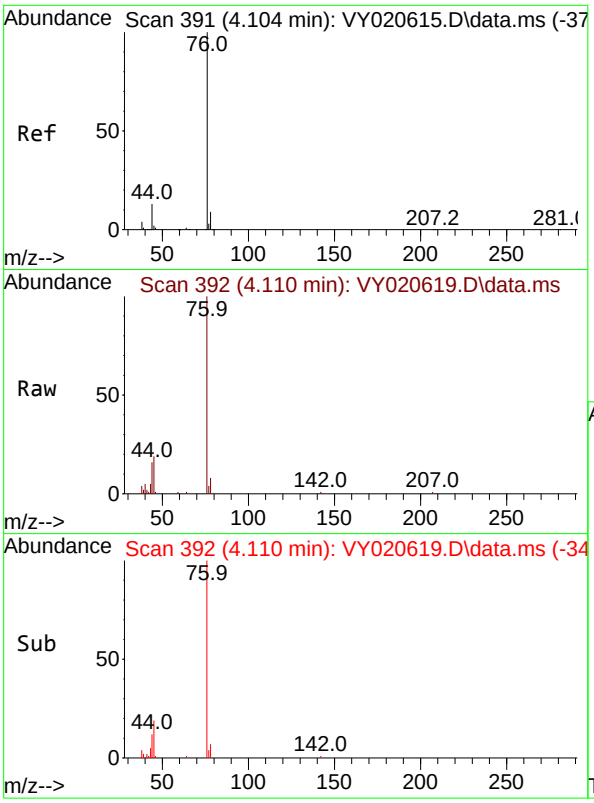


#16
Acetone
Concen: 33.023 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 14032

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.0	37.6



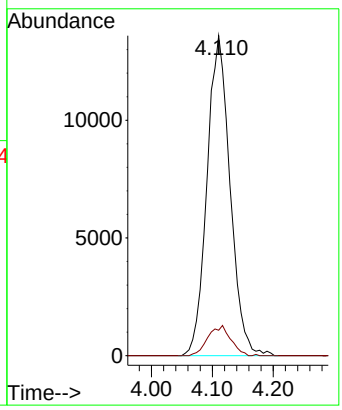


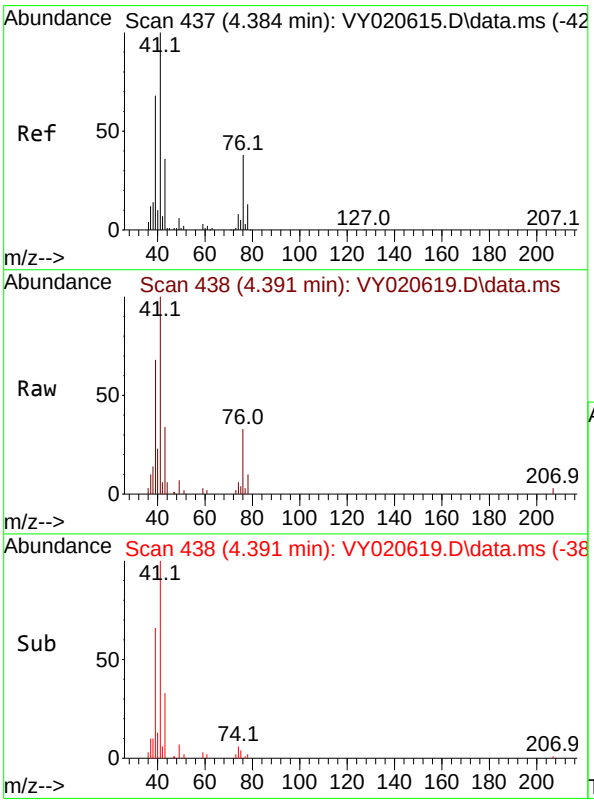
#17
Carbon Disulfide
Concen: 5.250 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 35780

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.2	10.8

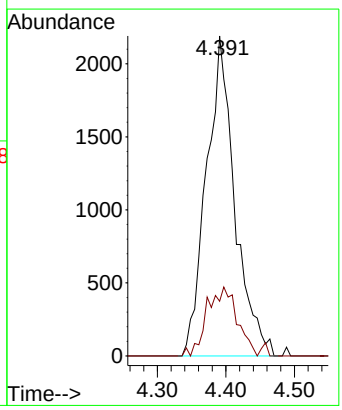


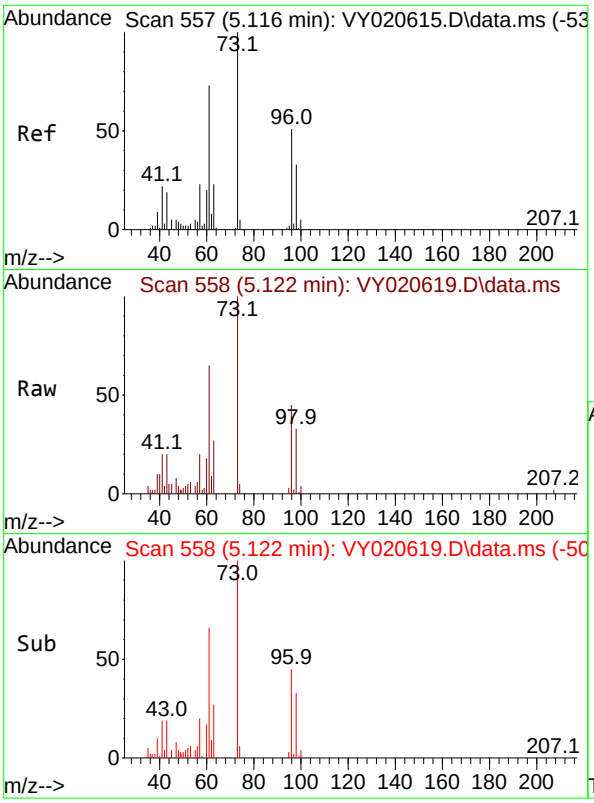


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 6311

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.2	28.8



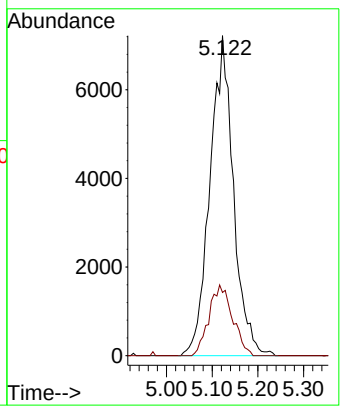


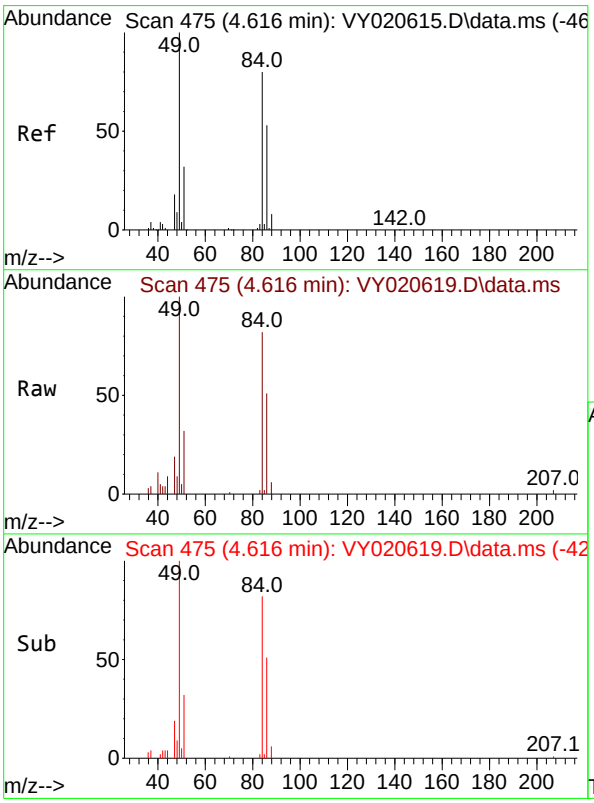
#19
Methyl tert-butyl Ether
Concen: 4.768 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 25765

Ion	Ratio	Lower	Upper
73	100		
57	19.7	18.5	27.7

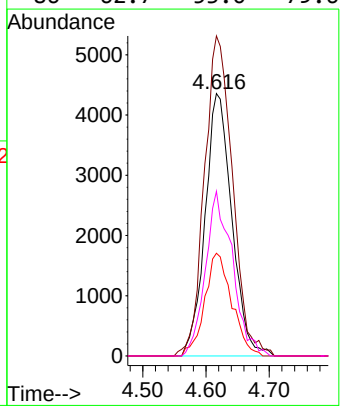


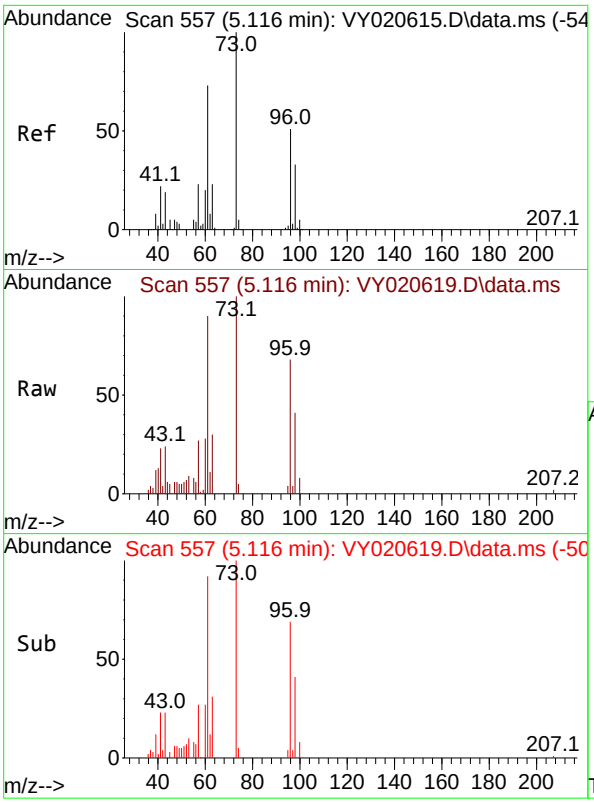


#20
Methylene Chloride
Concen: 5.624 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



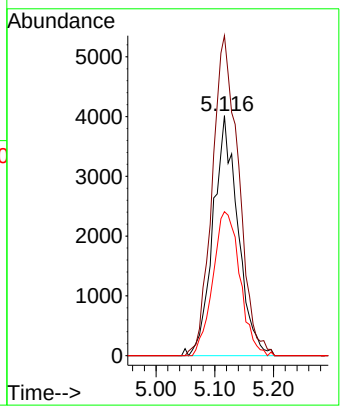


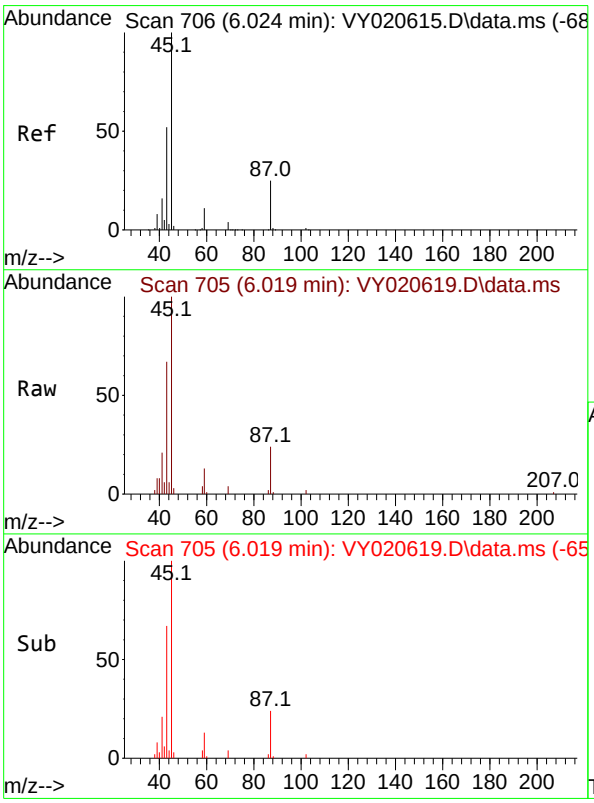
#21
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

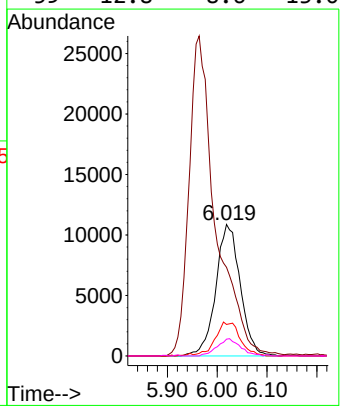


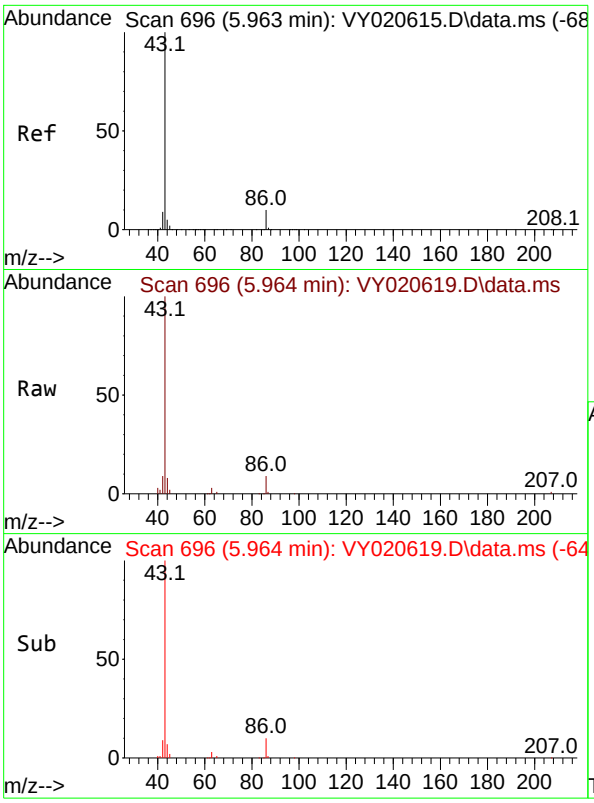


#22
Diisopropyl ether
Concen: 4.970 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



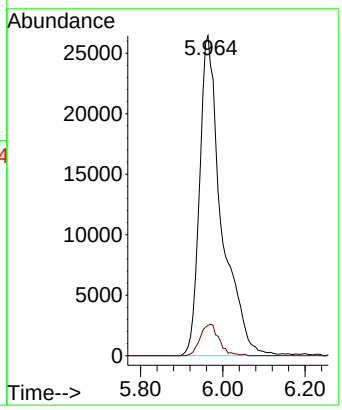


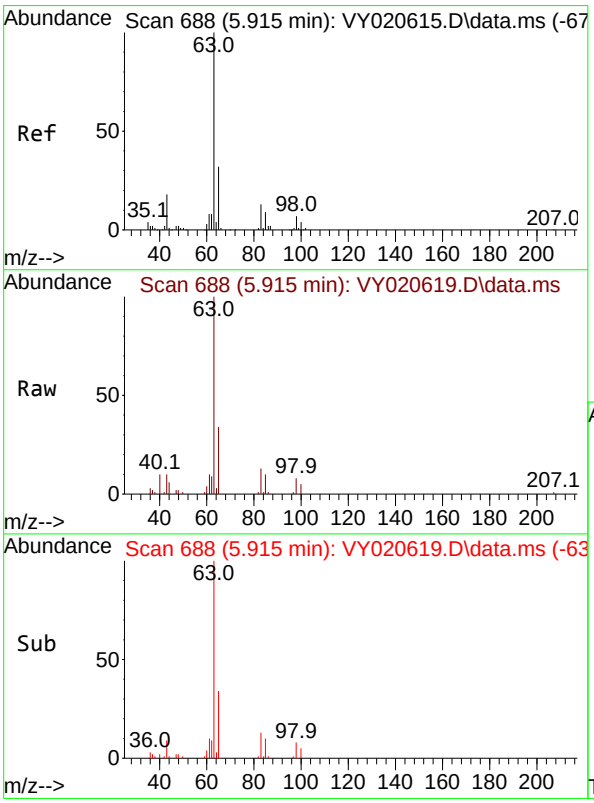
#23
Vinyl Acetate
Concen: 23.261 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 98112

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

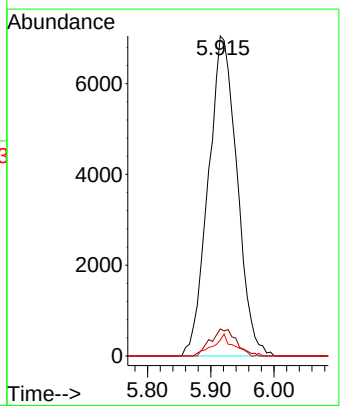


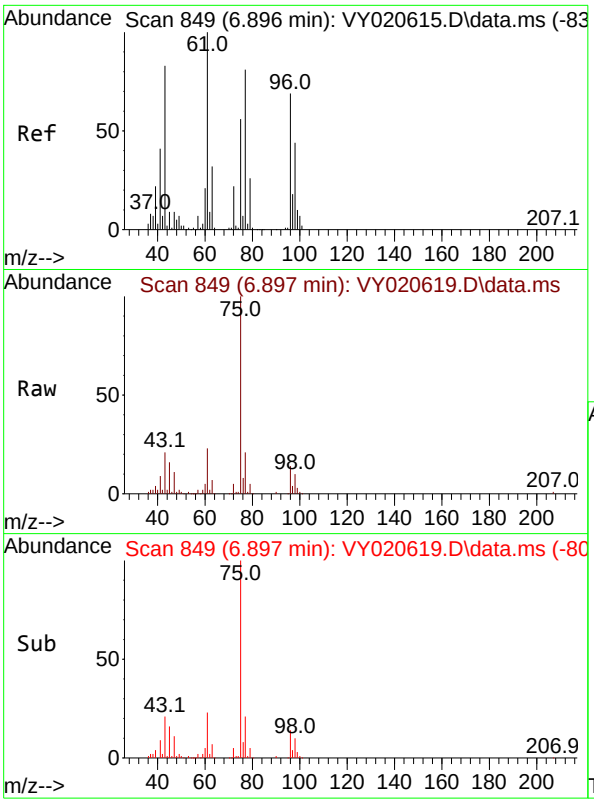


#24
1,1-Dichloroethane
Concen: 5.102 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



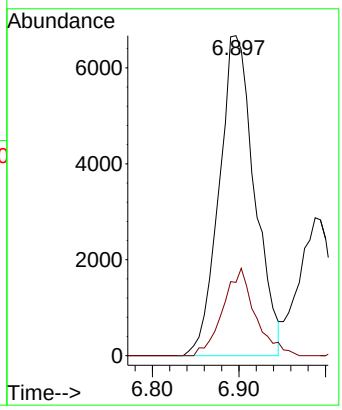


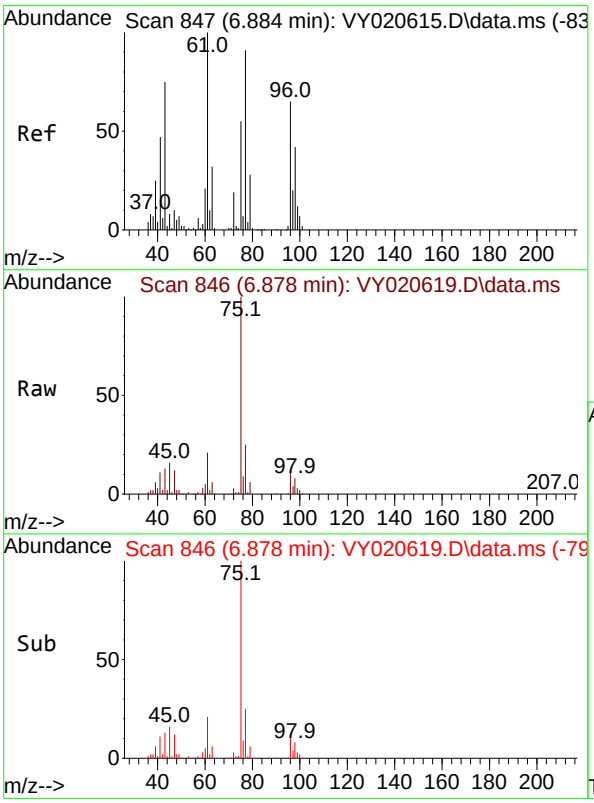
#25
2-Butanone
Concen: 27.972 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19017

Ion	Ratio	Lower	Upper
43	100		
72	22.9	20.6	31.0

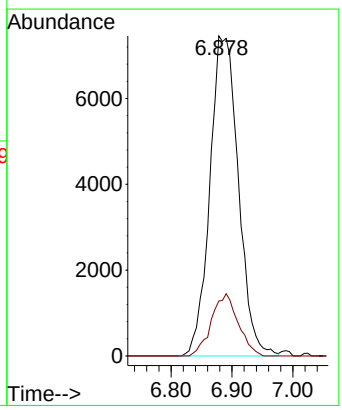


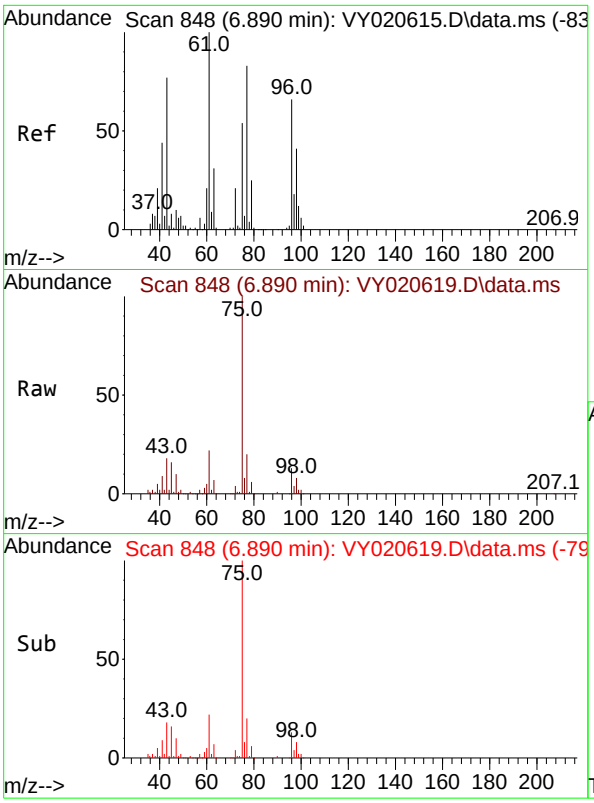


#26
2,2-Dichloropropane
Concen: 5.876 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 77 Resp: 24236

Ion	Ratio	Lower	Upper
77	100		
97	18.3	10.9	32.6



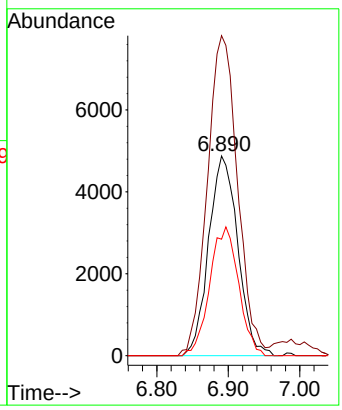


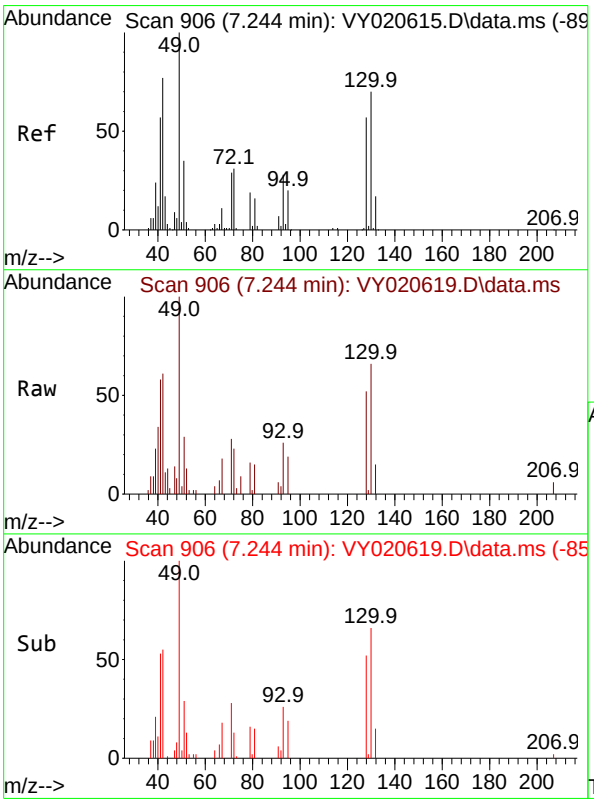
#27
cis-1,2-Dichloroethene
Concen: 5.109 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

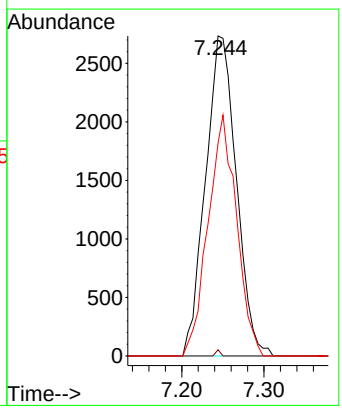


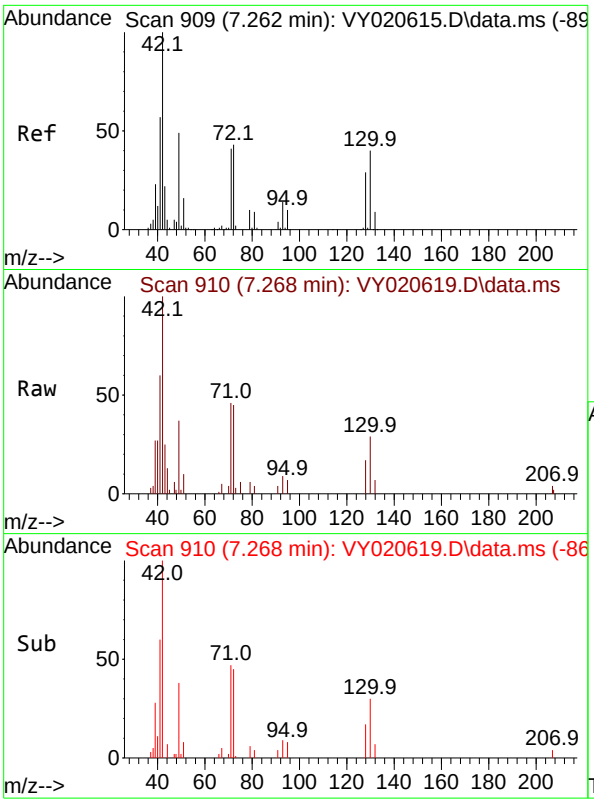


#28
Bromochloromethane
Concen: 4.844 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



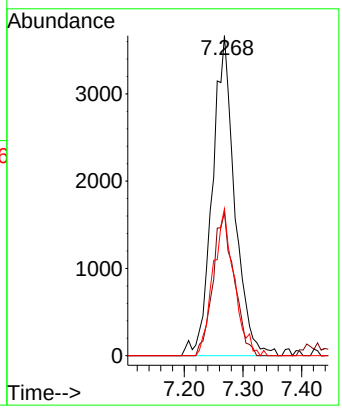


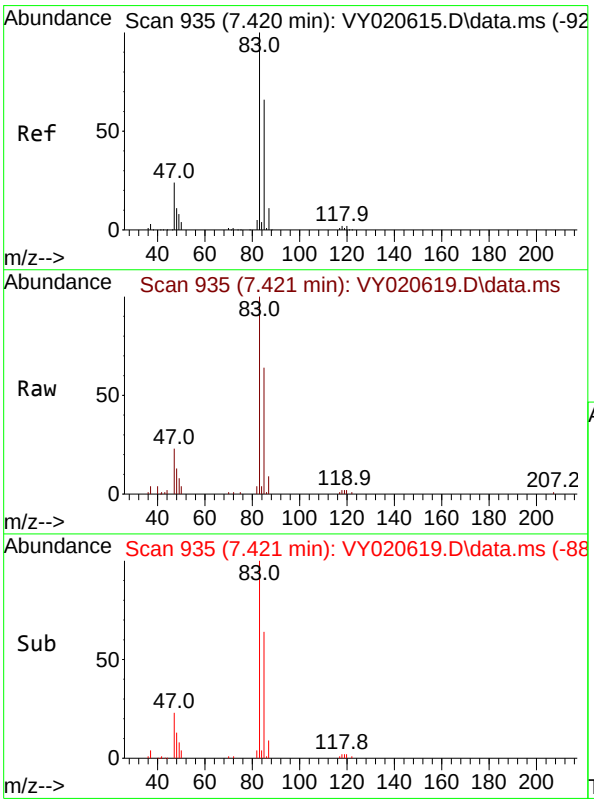
#29
Tetrahydrofuran
Concen: 22.669 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

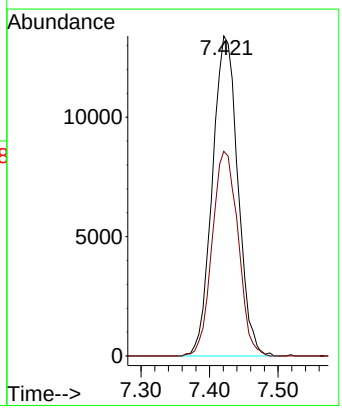


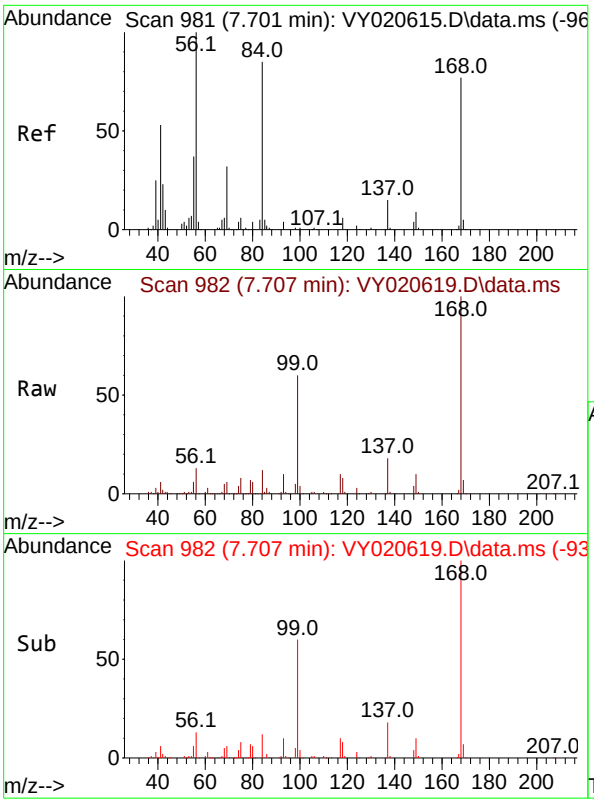


#30
Chloroform
Concen: 2.901 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 34563

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1



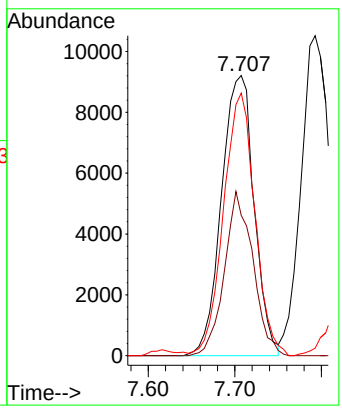


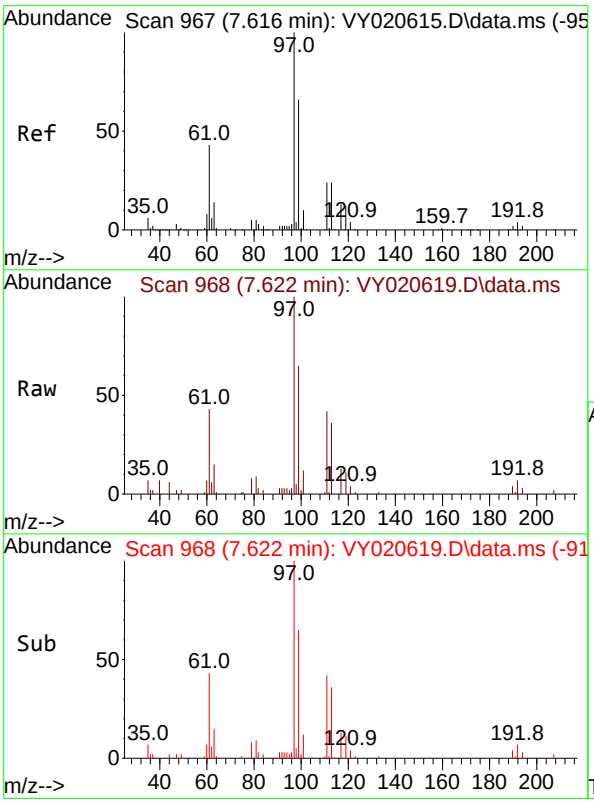
#31
Cyclohexane
Concen: 5.779 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

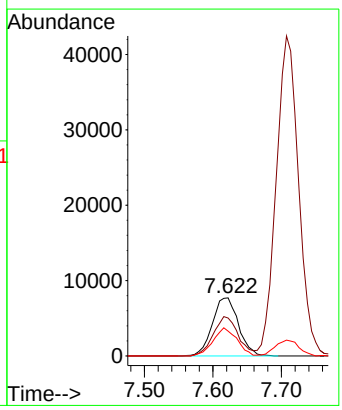


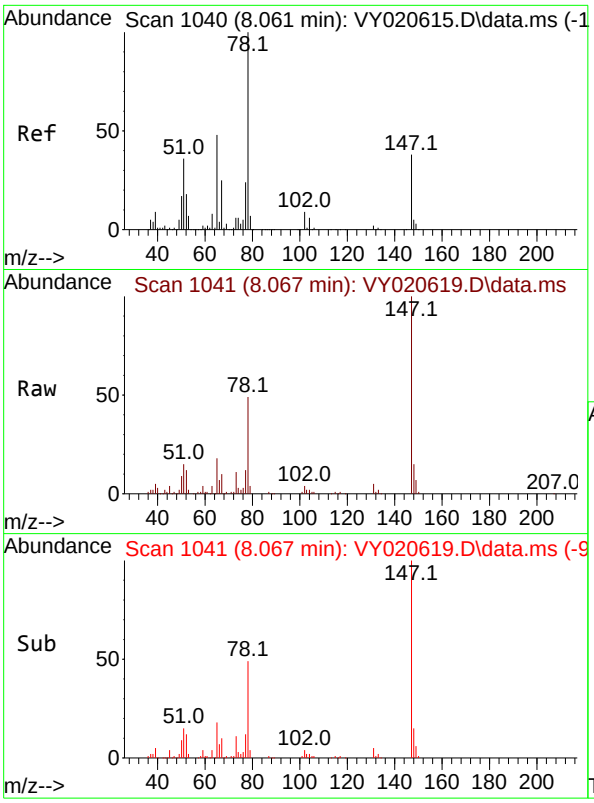


#32
1,1,1-Trichloroethane
Concen: 5.082 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



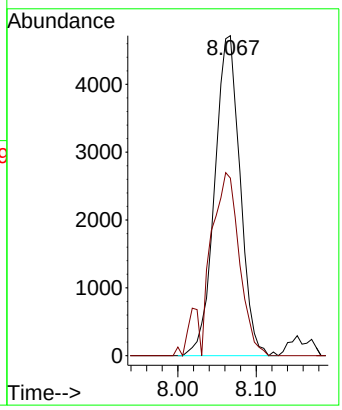


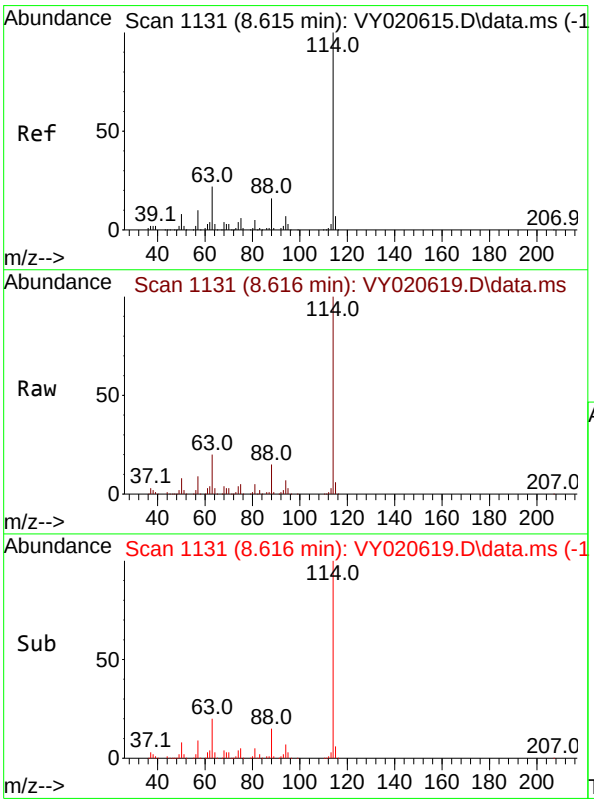
#33
1,2-Dichloroethane-d4
Concen: 5.810 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10628

Ion	Ratio	Lower	Upper
65	100		
67	68.2	0.0	108.0

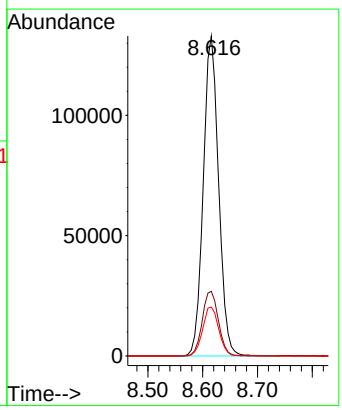


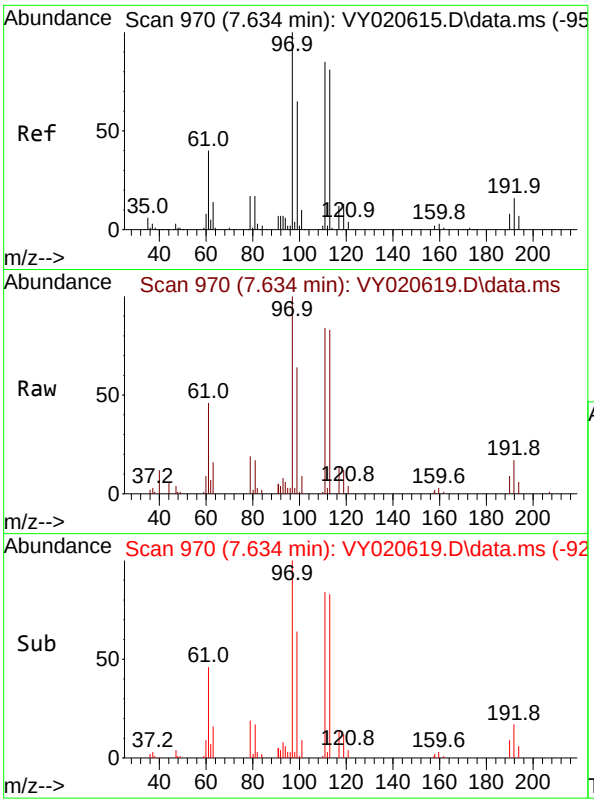


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



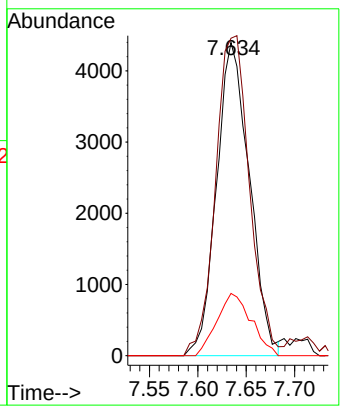


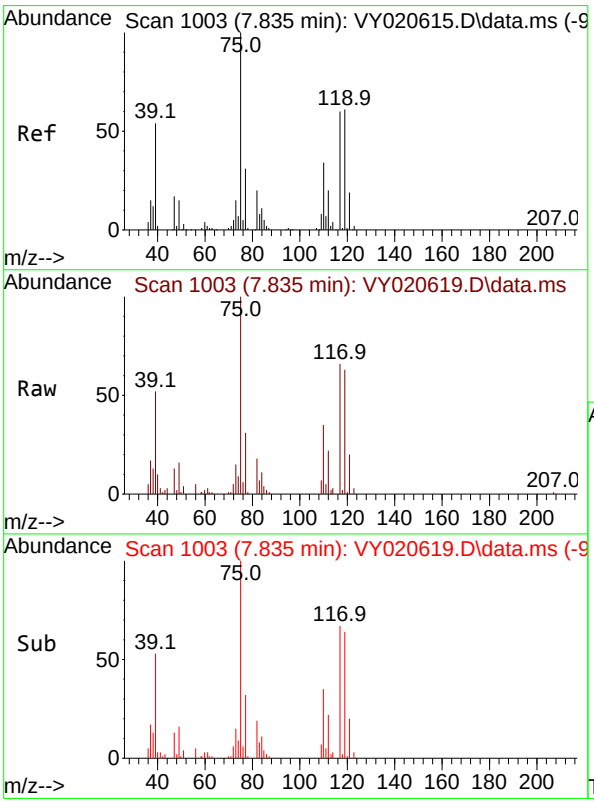
#35
Dibromofluoromethane
Concen: 5.726 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

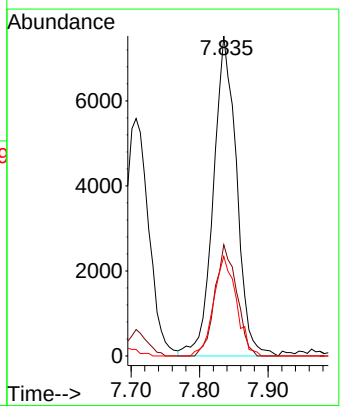


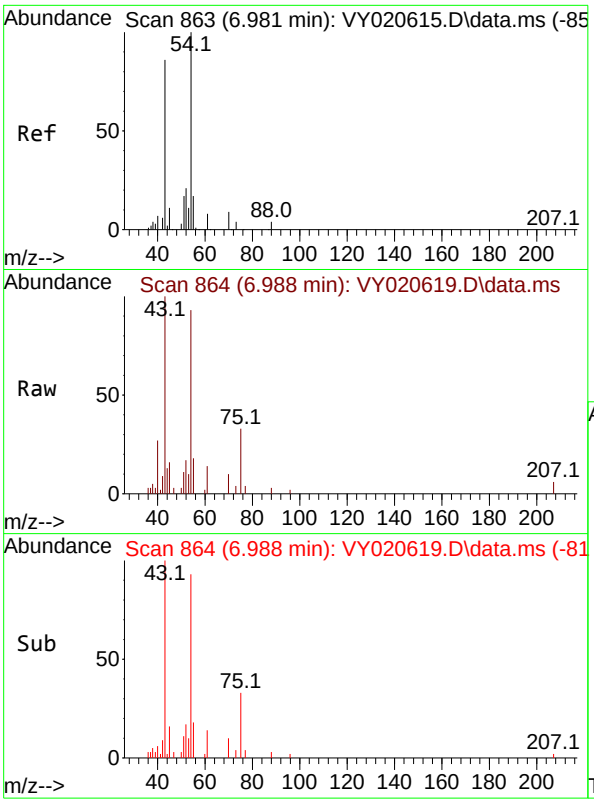


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



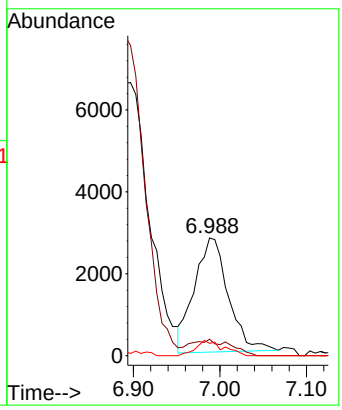


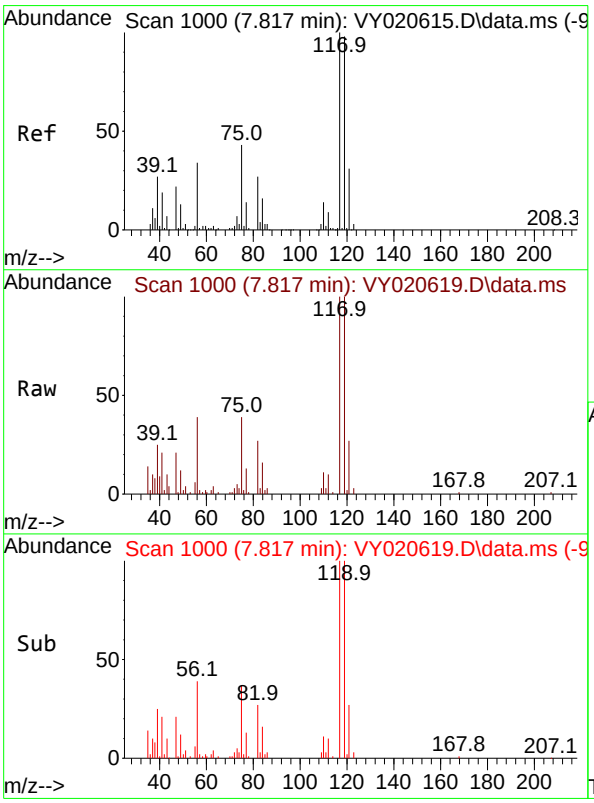
#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

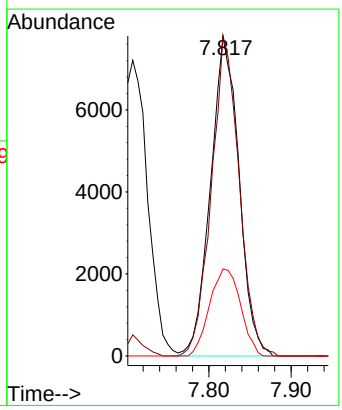


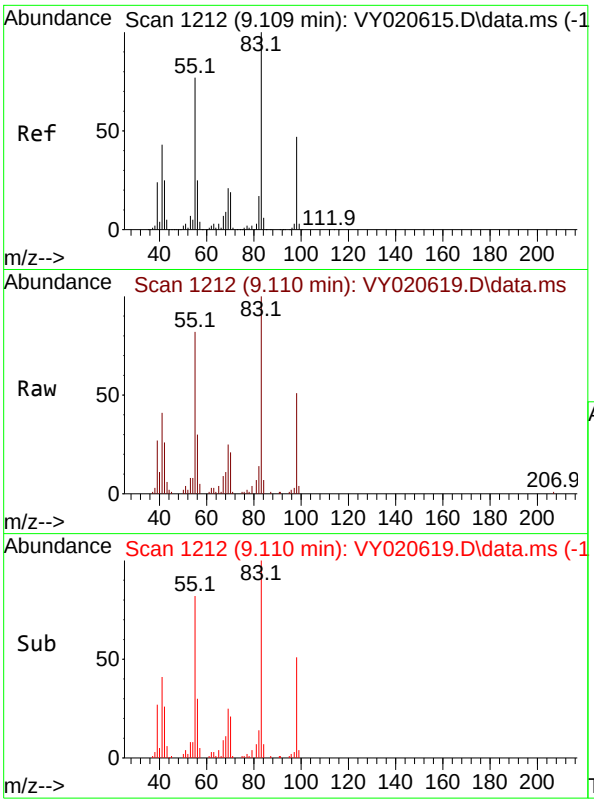


#38
Carbon Tetrachloride
Concen: 5.132 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



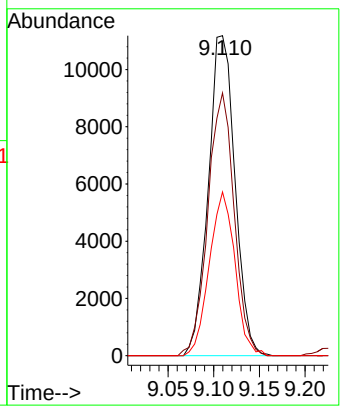


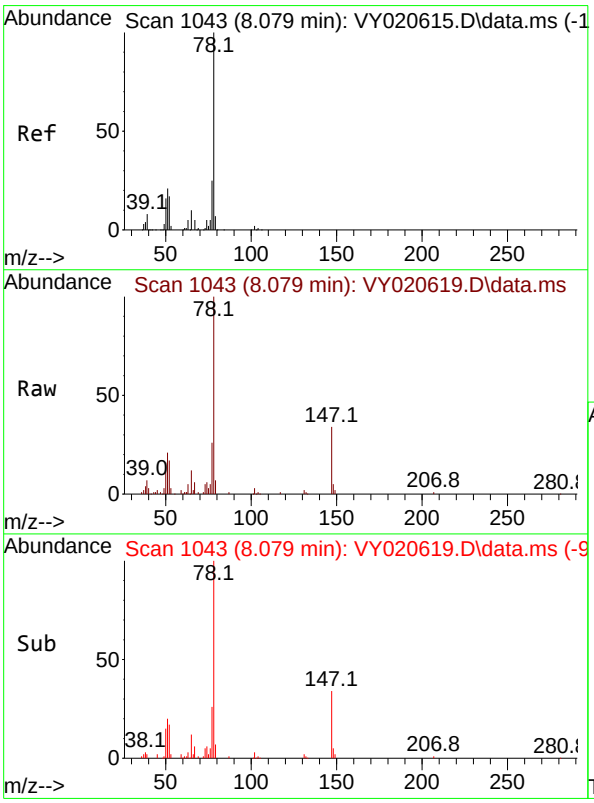
#39
Methylcyclohexane
Concen: 5.273 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

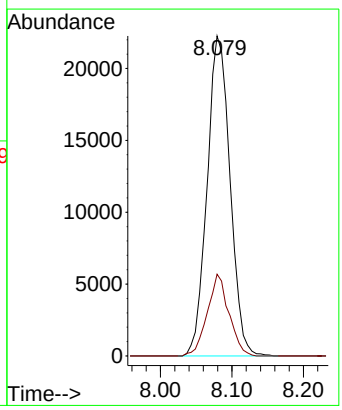


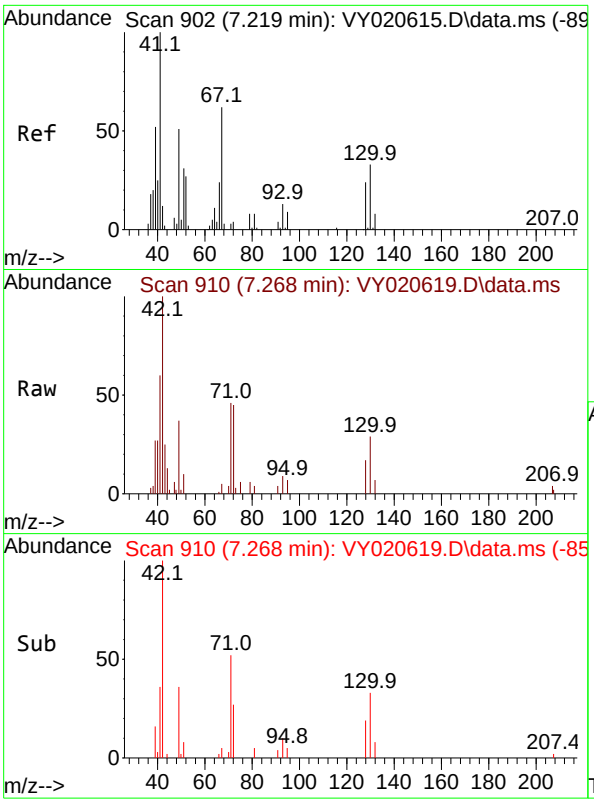


#40
Benzene
Concen: 5.117 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 78 Resp: 49636

Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.1	30.1



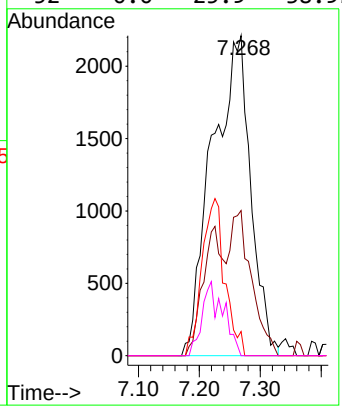


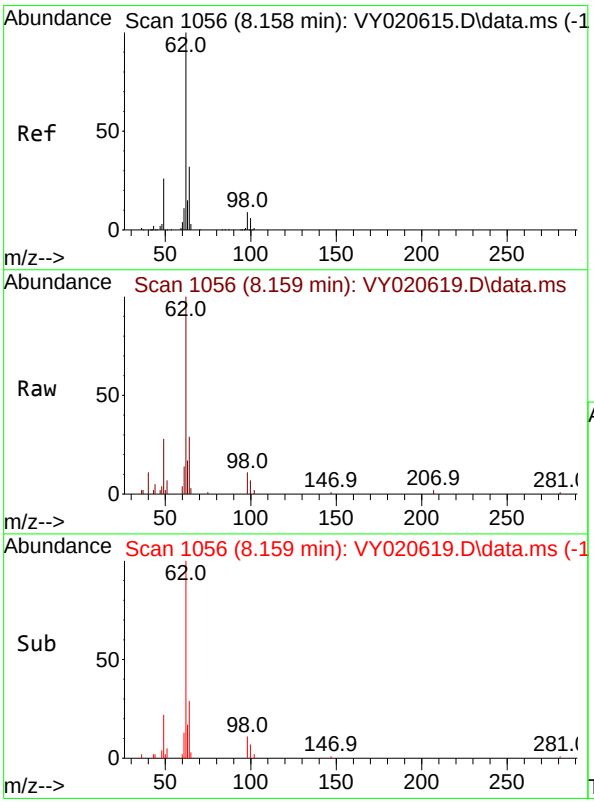
#41
Methacrylonitrile
Concen: 11.773 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.049 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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#

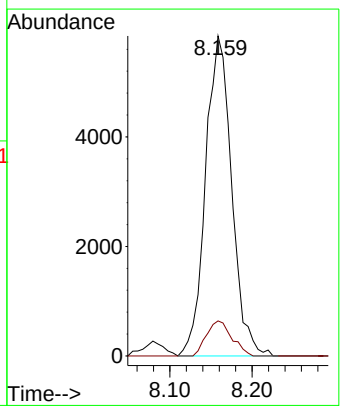


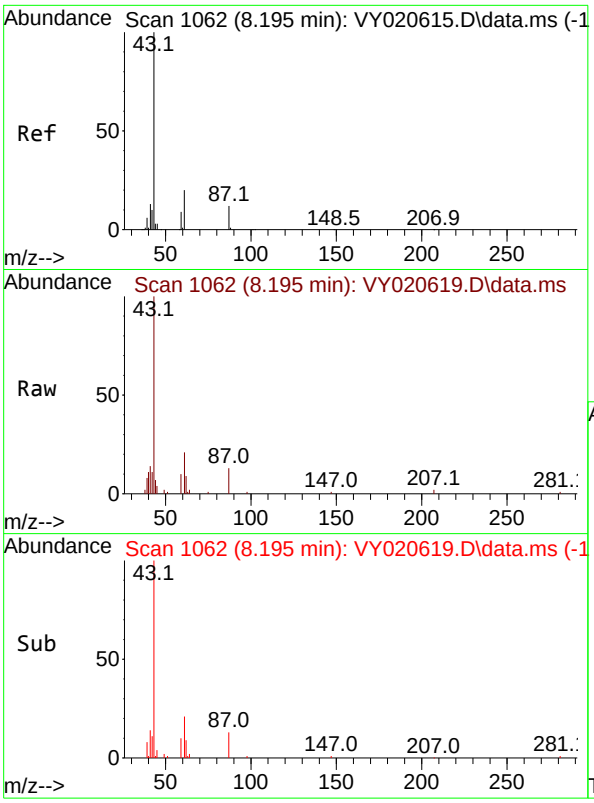


#42
1,2-Dichloroethane
Concen: 5.020 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 12917

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.0



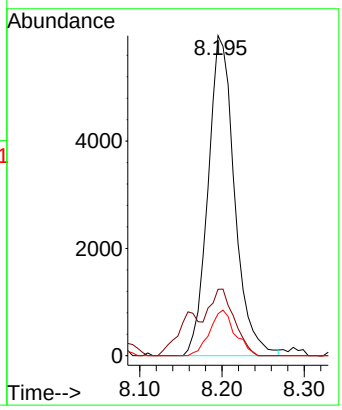


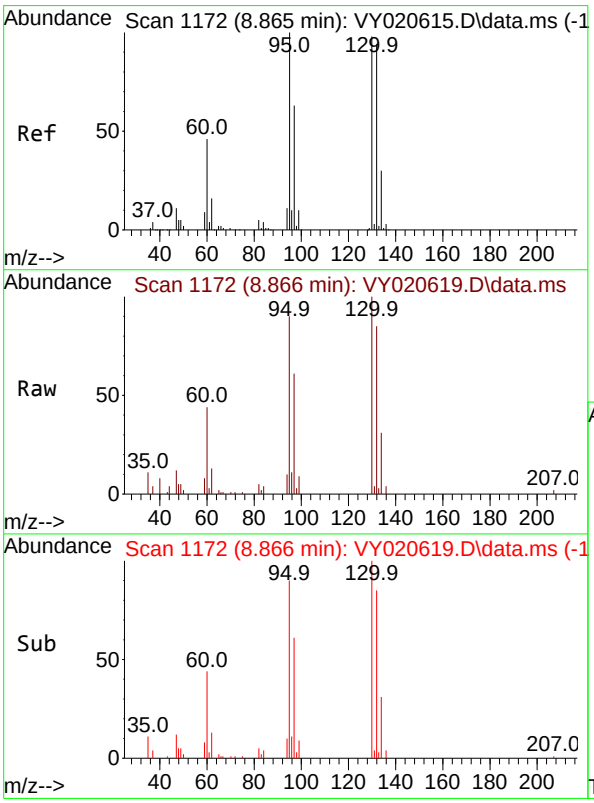
#43
Isopropyl Acetate
Concen: 4.533 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

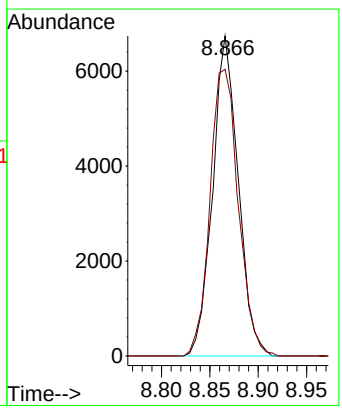


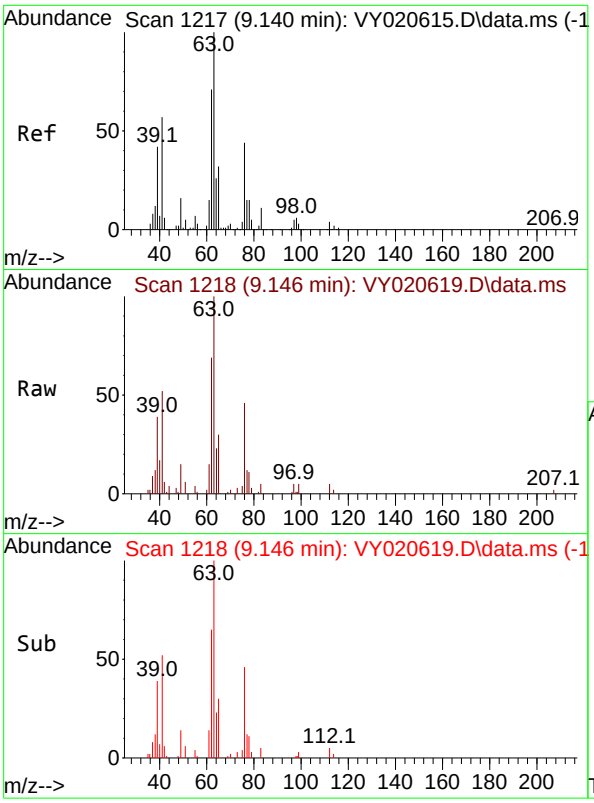


#44
Trichloroethene
Concen: 5.195 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:130 Resp: 12384

Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	203.2



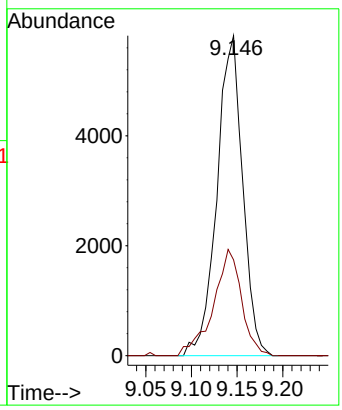


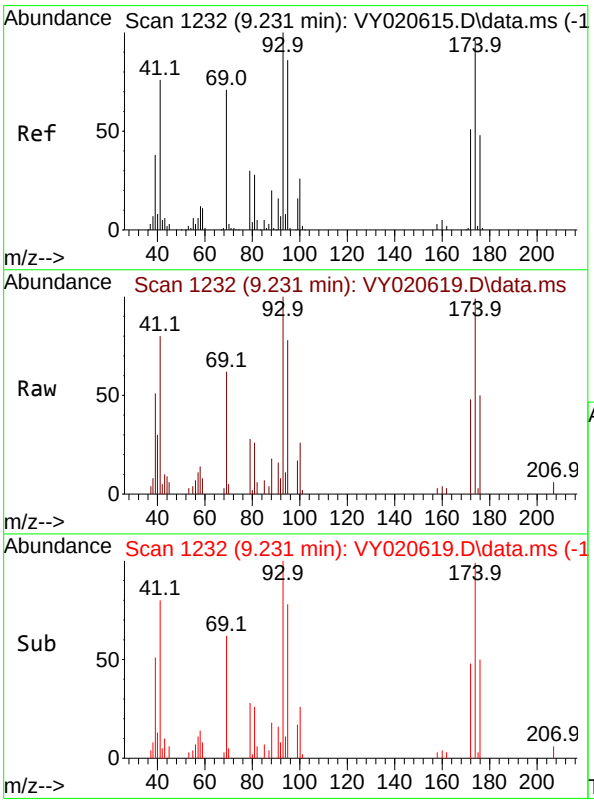
#45
1,2-Dichloropropane
Concen: 5.019 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11378

Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.9	38.9

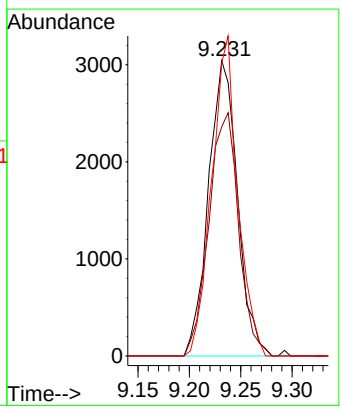


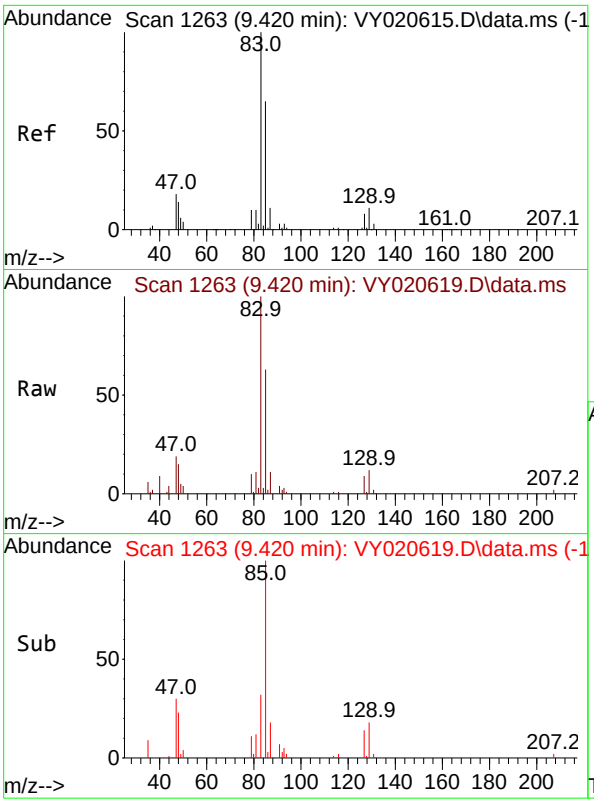


#46
Dibromomethane
Concen: 4.978 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



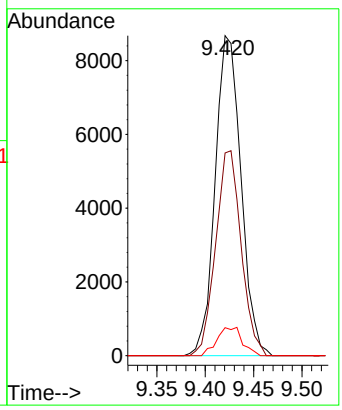


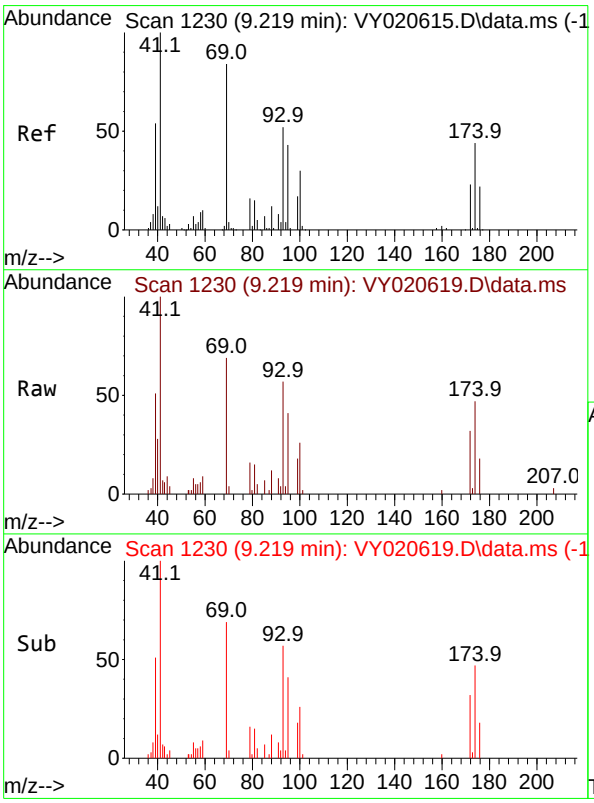
#47
Bromodichloromethane
Concen: 4.979 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

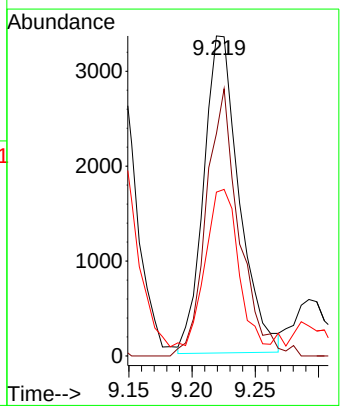


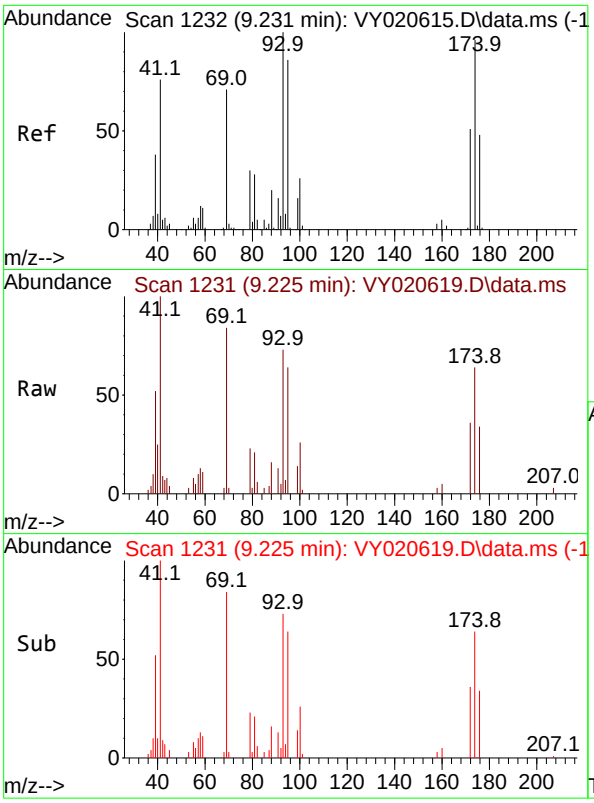


#48
Methyl methacrylate
Concen: 4.671 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



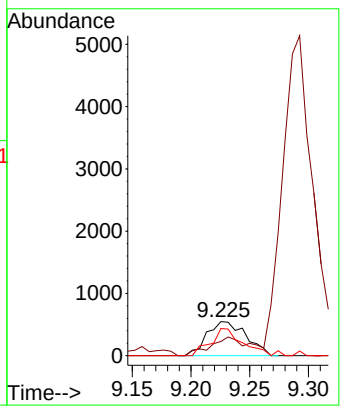


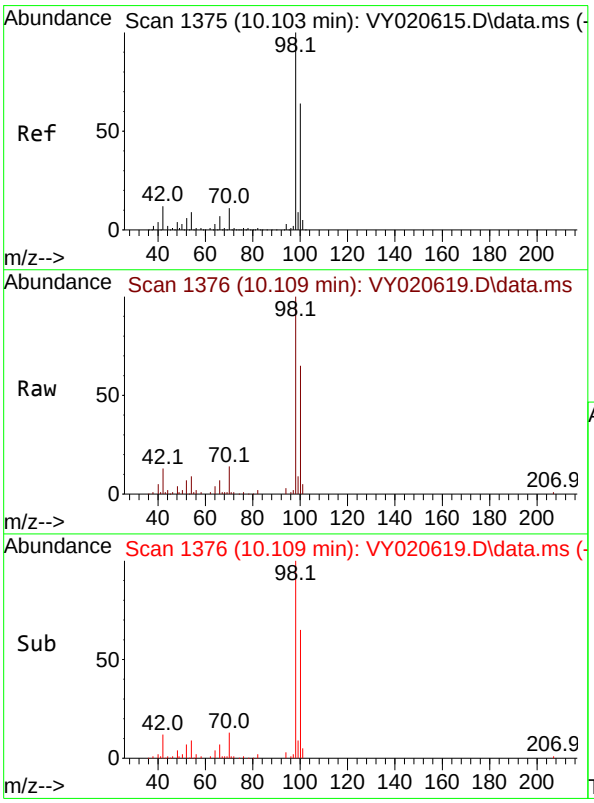
#49
1,4-Dioxane
Concen: 92.278 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

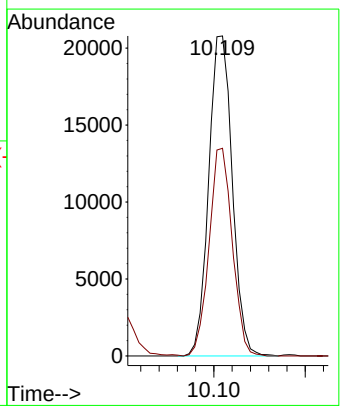


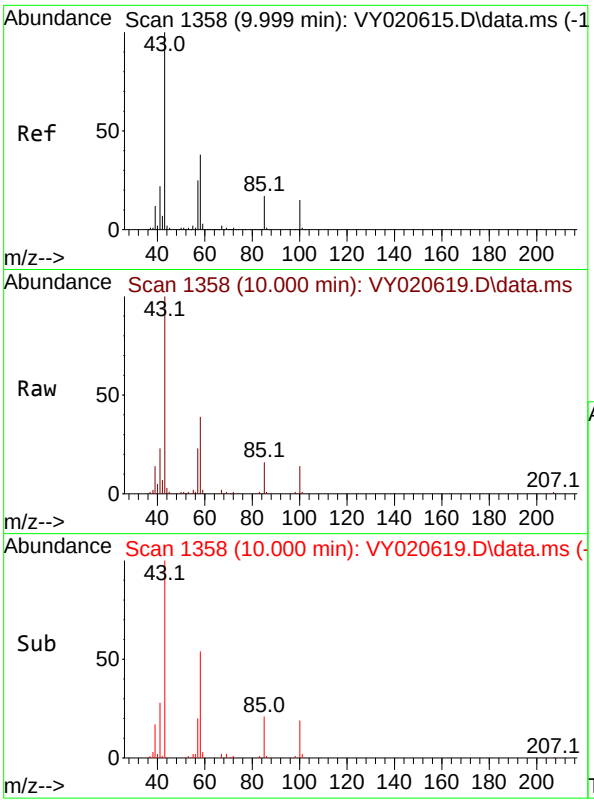


#50
Toluene-d8
Concen: 5.858 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 98 Resp: 37211

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1



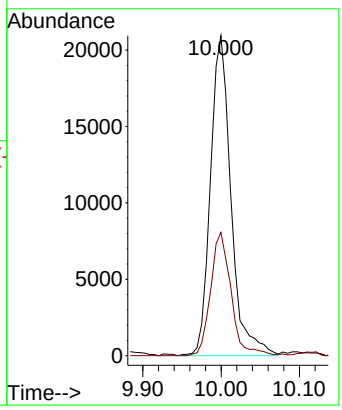


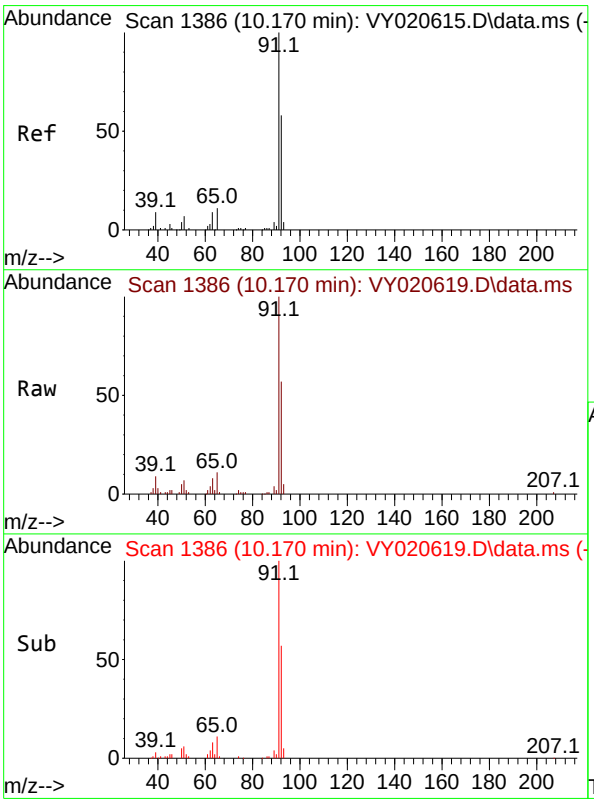
#51
4-Methyl-2-Pentanone
Concen: 24.607 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 38280

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.4	47.2

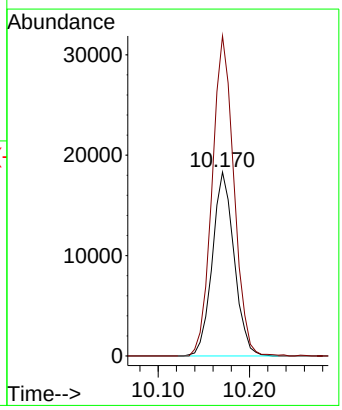


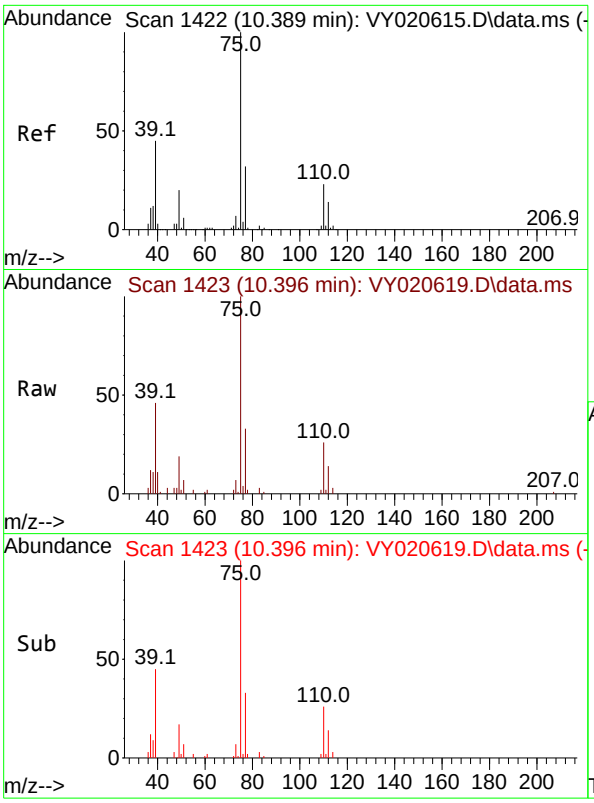


#52
Toluene
Concen: 5.025 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 92 Resp: 30294

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.4	206.0



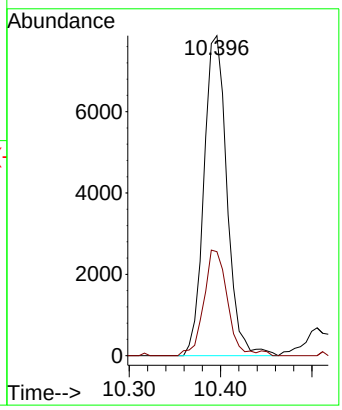


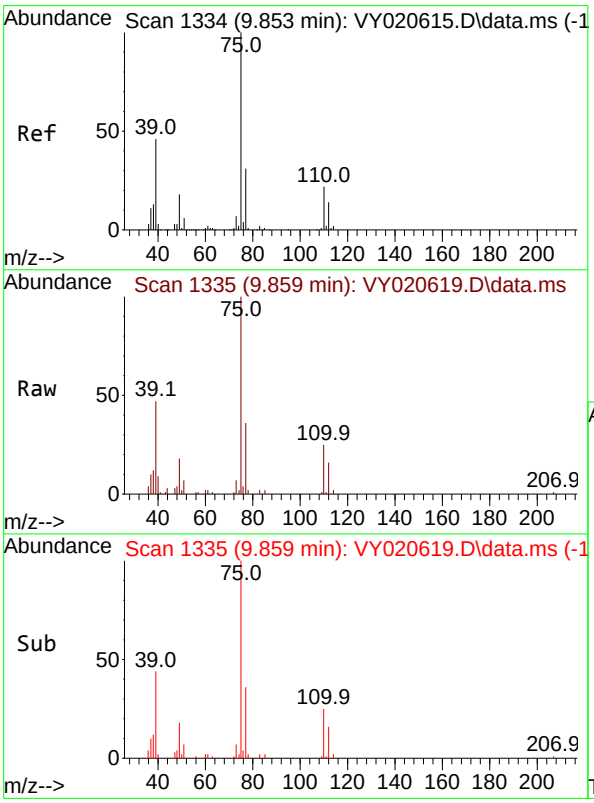
#53
t-1,3-Dichloropropene
Concen: 4.558 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13747

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2

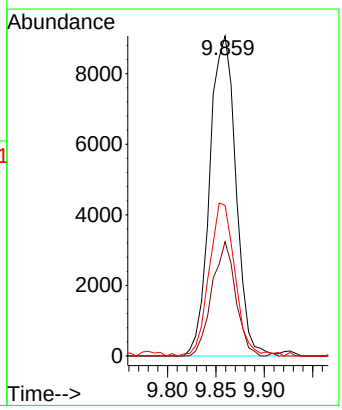


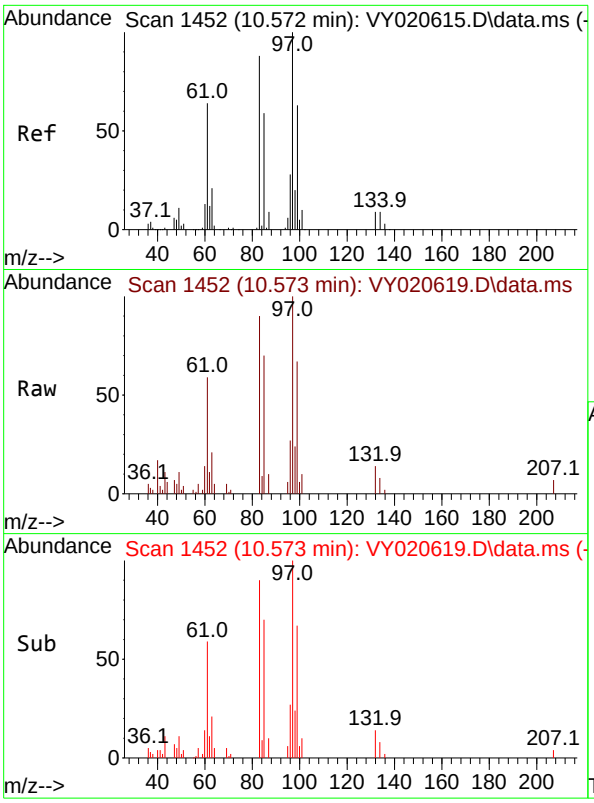


#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



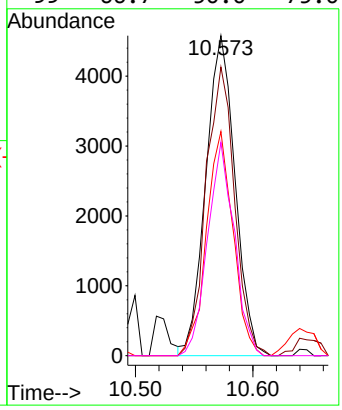


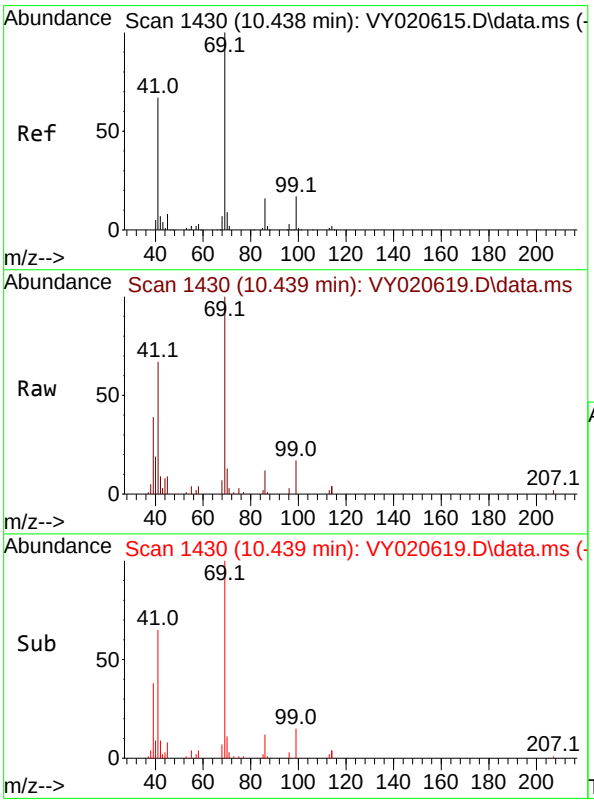
#55
1,1,2-Trichloroethane
Concen: 5.009 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

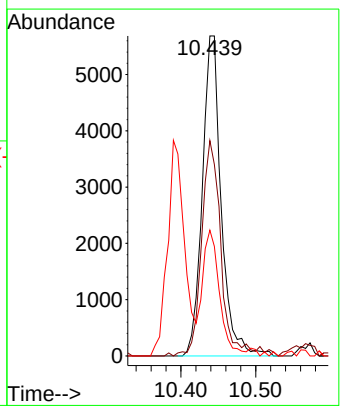


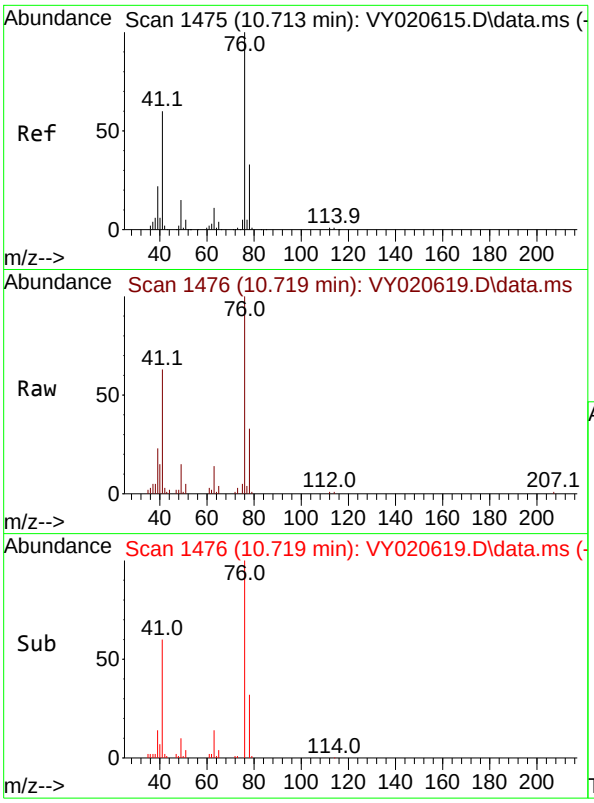


#56
Ethyl methacrylate
Concen: 4.351 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



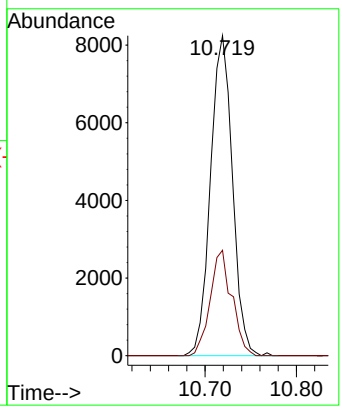


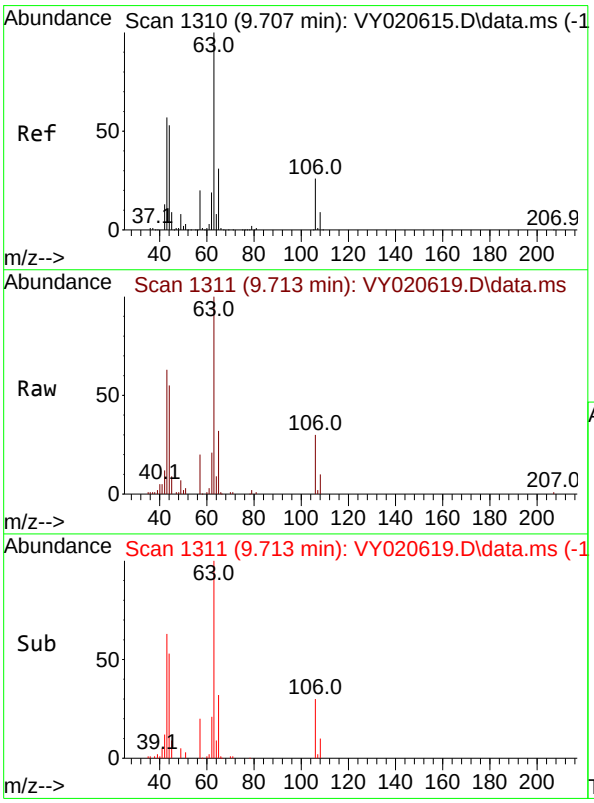
#57
1,3-Dichloropropane
Concen: 4.870 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 13754

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

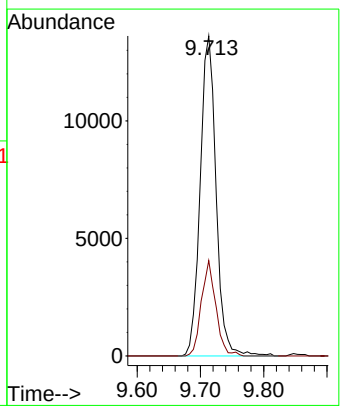


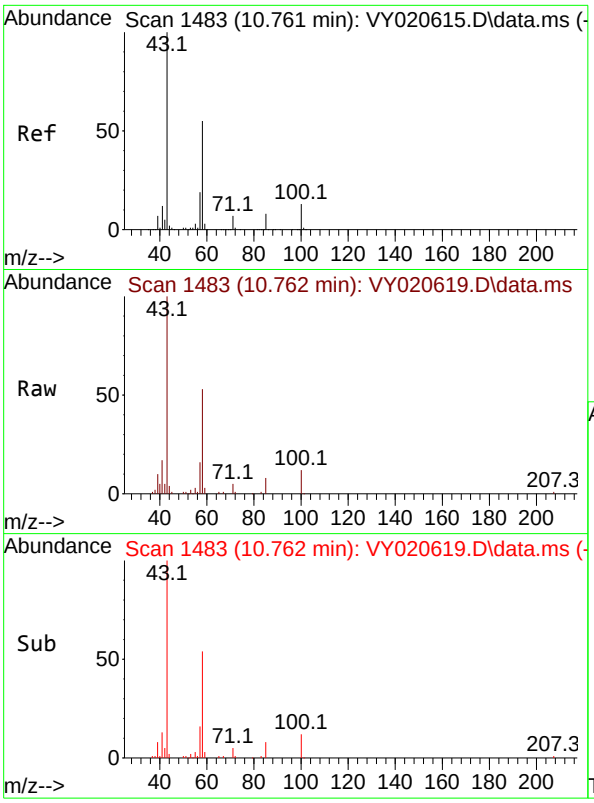


#58
2-Chloroethyl Vinyl ether
Concen: 24.686 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 23872

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



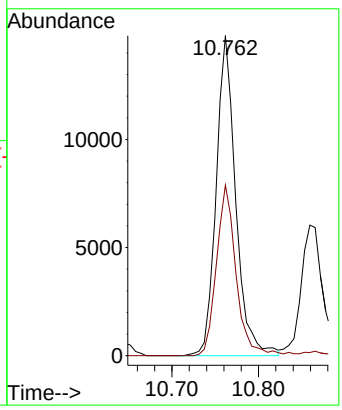


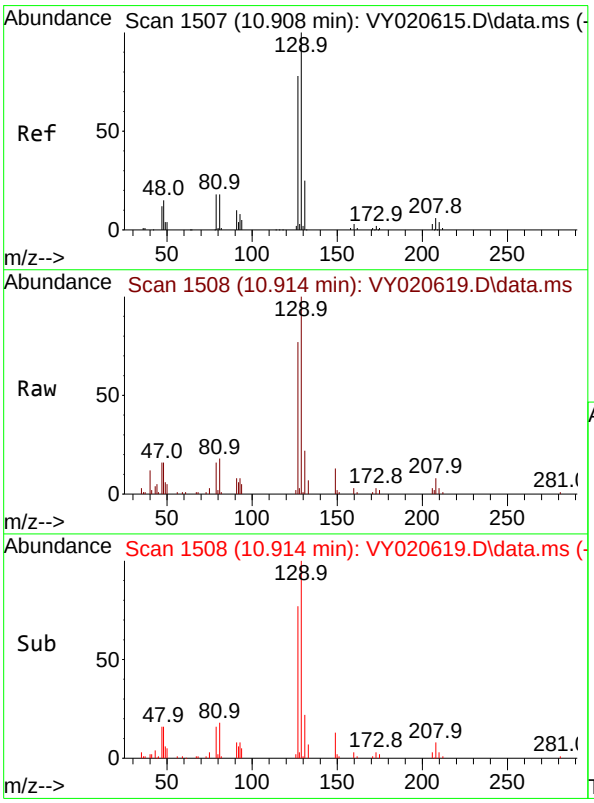
#59
2-Hexanone
Concen: 23.192 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23164

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.2	81.6

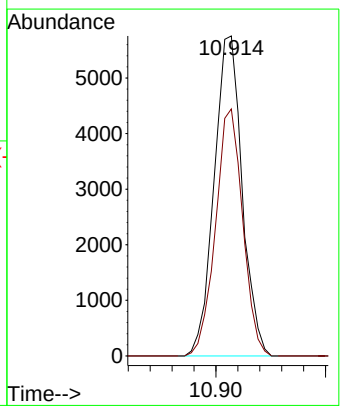


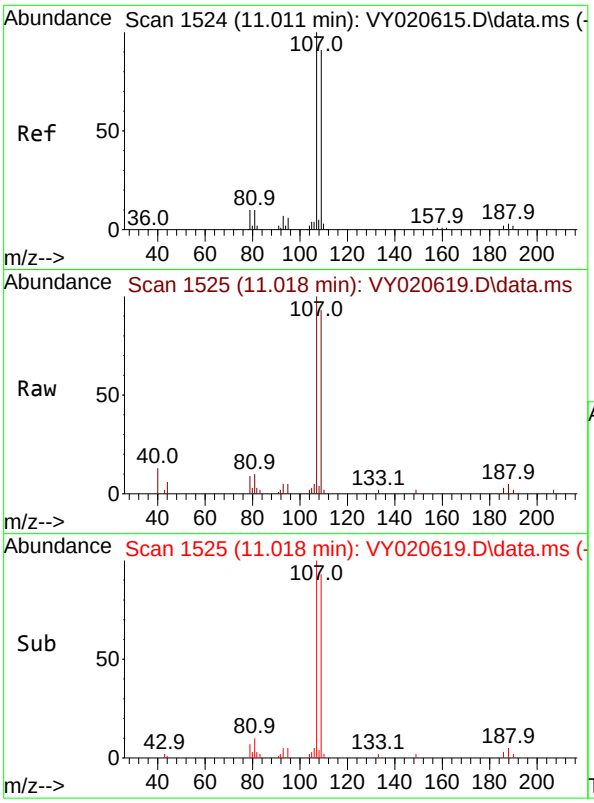


#60
Dibromochloromethane
Concen: 4.818 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:129 Resp: 10207

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.1	114.3



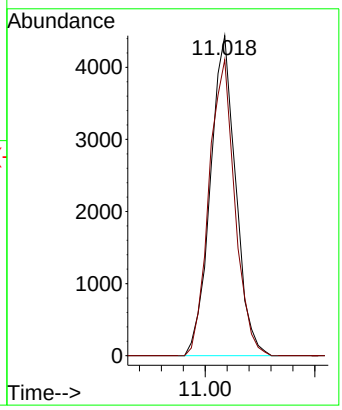


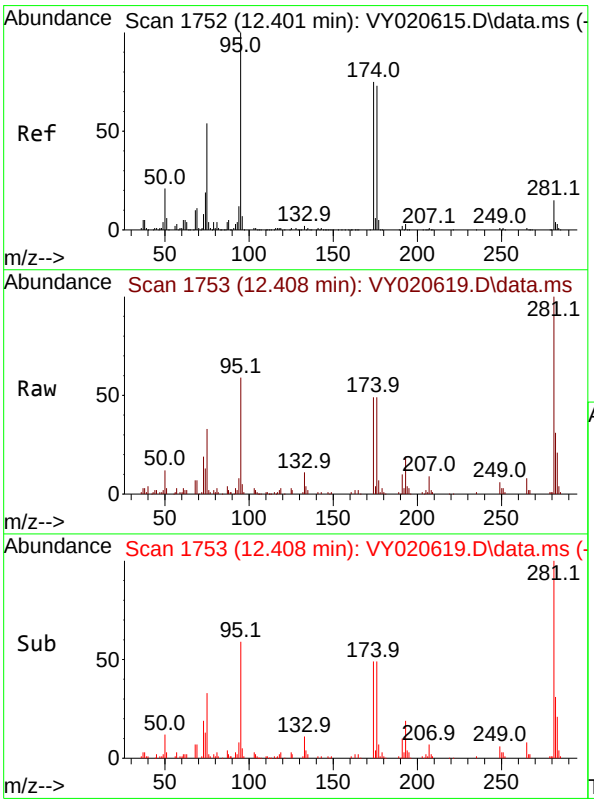
#61
1,2-Dibromoethane
Concen: 4.847 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 7143

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

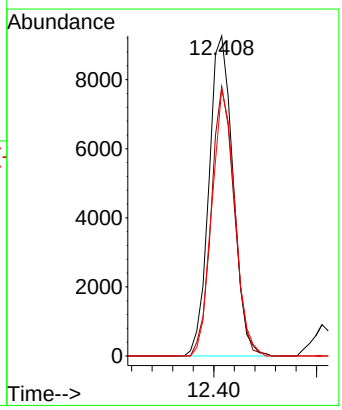


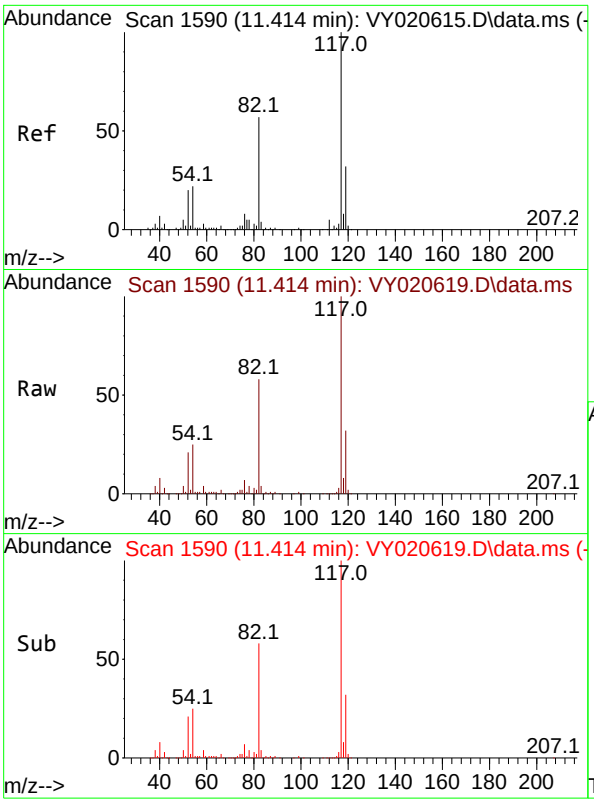


#62
4-Bromofluorobenzene
Concen: 6.066 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



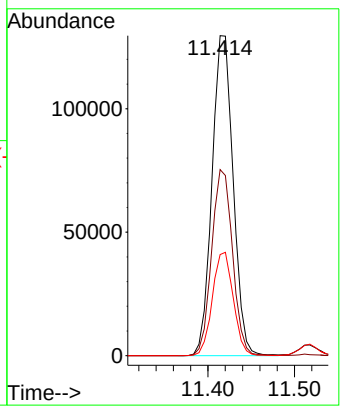


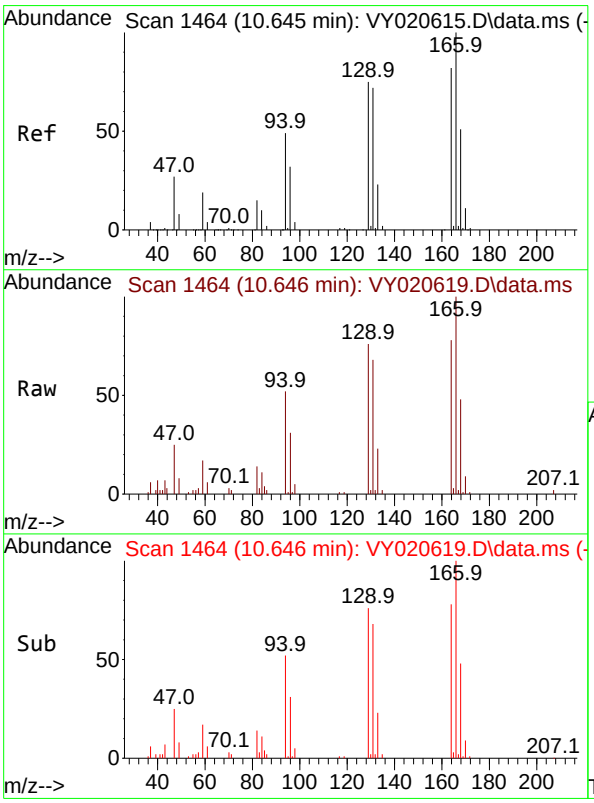
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

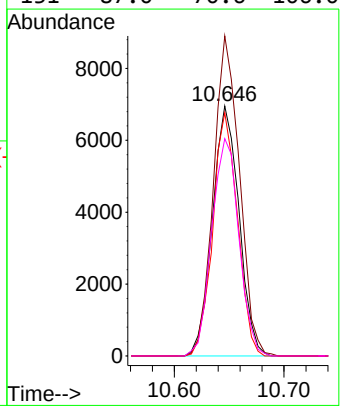


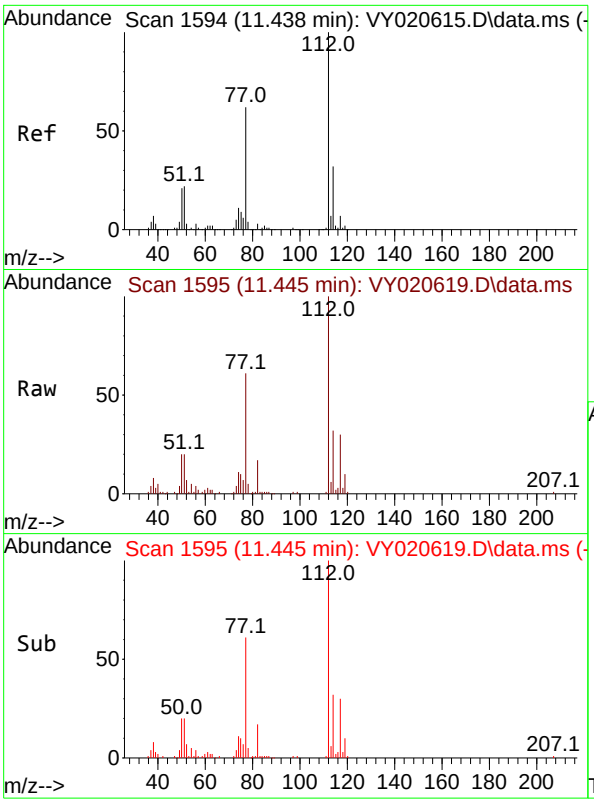


#64
Tetrachloroethene
Concen: 5.663 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



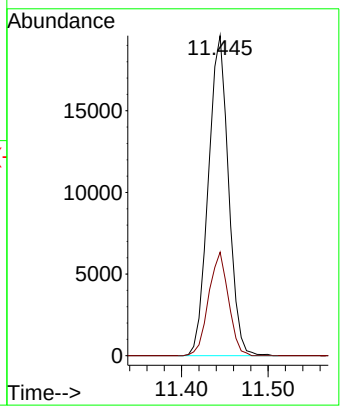


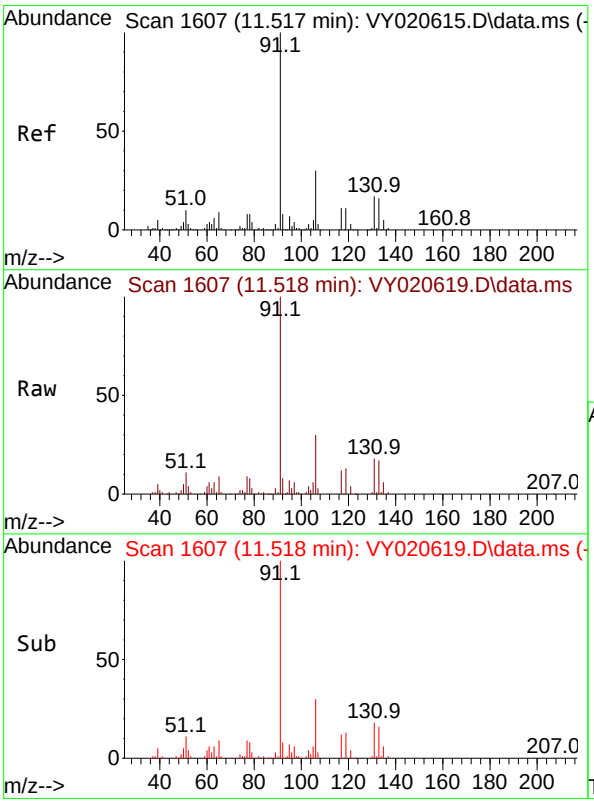
#65
Chlorobenzene
Concen: 5.154 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 31674

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

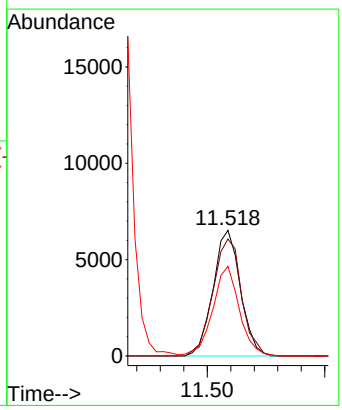


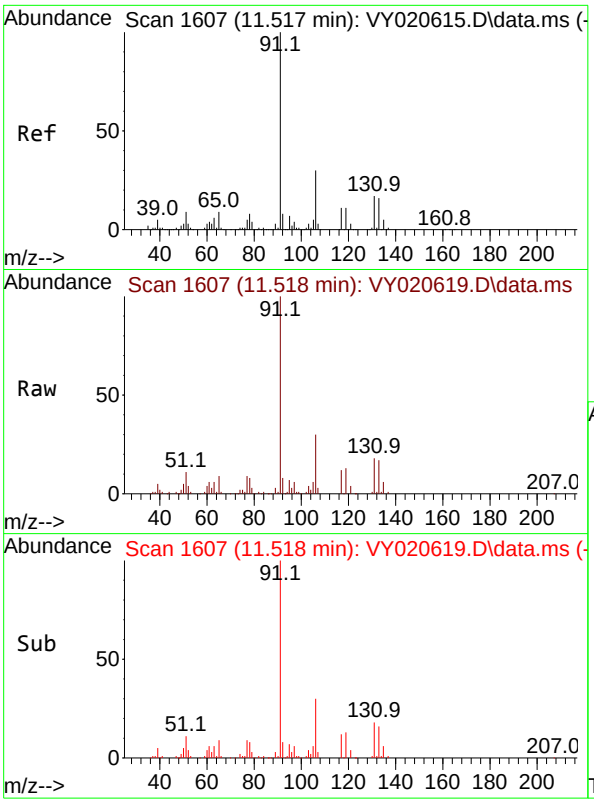


#66
1,1,1,2-Tetrachloroethane
Concen: 5.009 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



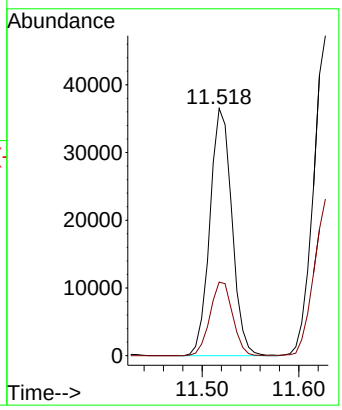


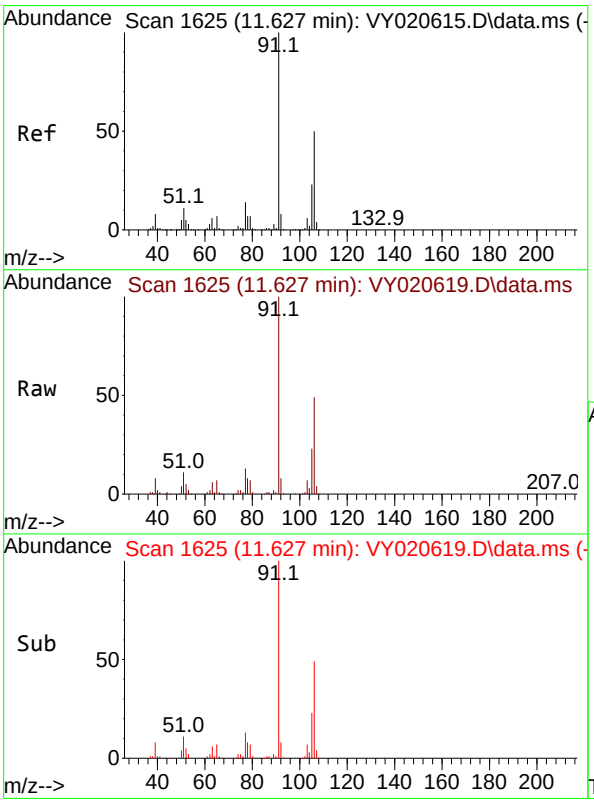
#67
Ethyl Benzene
Concen: 5.103 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 57861

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

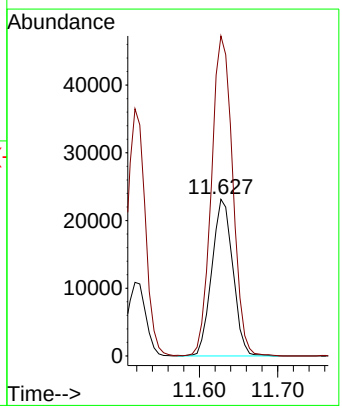


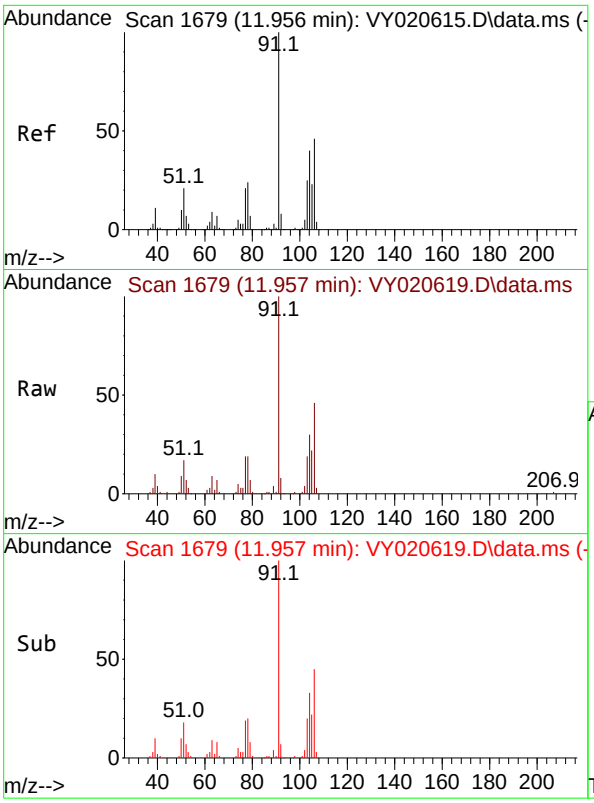


#68
m/p-Xylenes
Concen: 10.262 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:106 Resp: 43257

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4



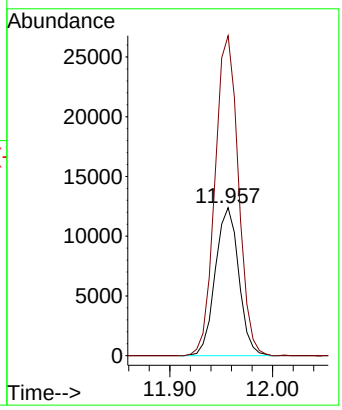


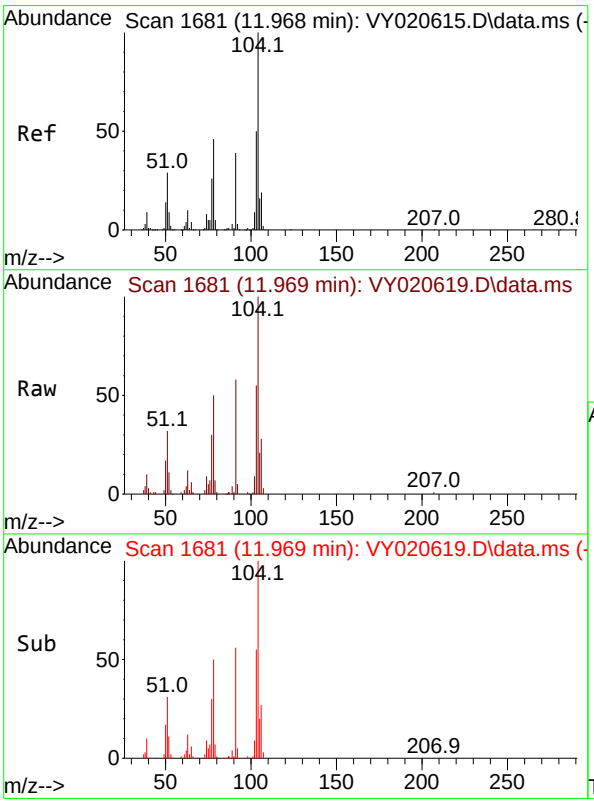
#69
o-Xylene
Concen: 4.993 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 19639

Ion	Ratio	Lower	Upper
106	100		
91	215.2	108.4	325.2

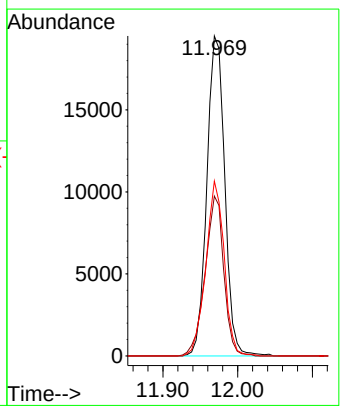


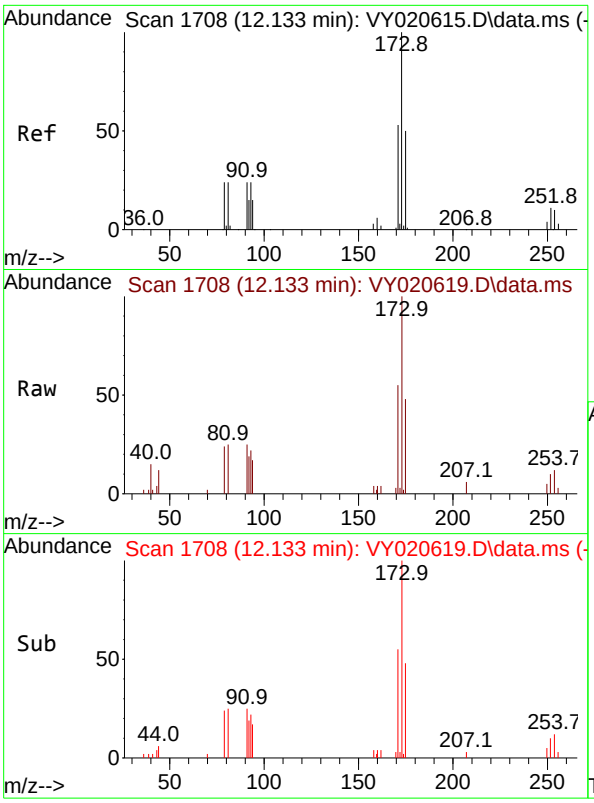


#70
Styrene
Concen: 4.945 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



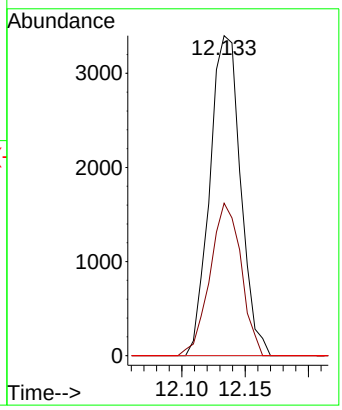


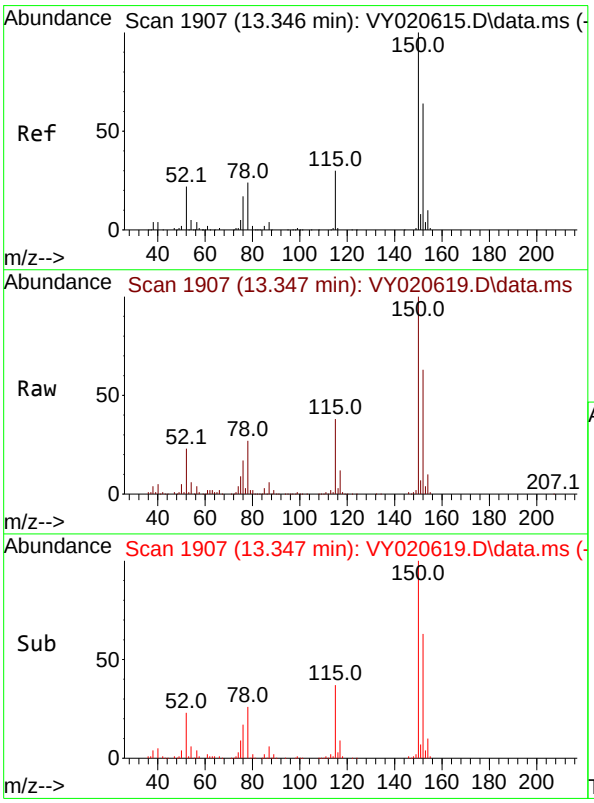
#71
Bromoform
Concen: 4.877 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

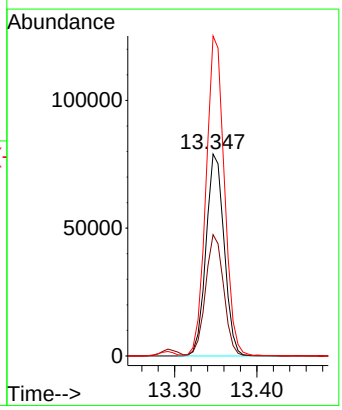


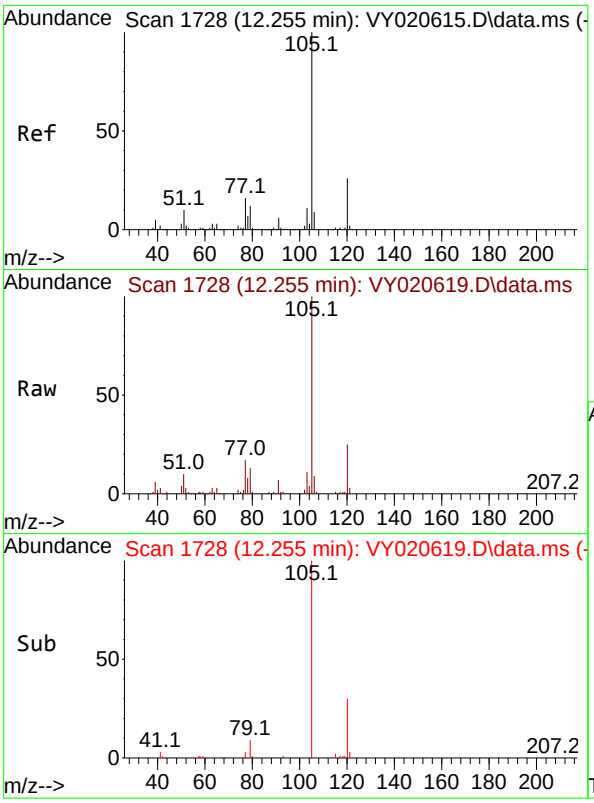


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



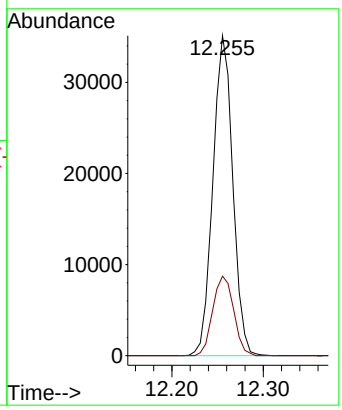


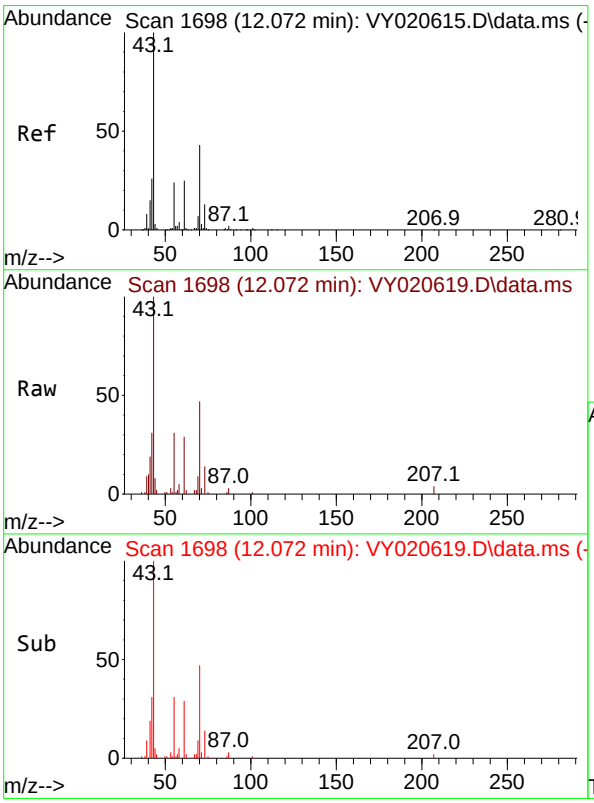
#73
Isopropylbenzene
Concen: 5.043 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 53196

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

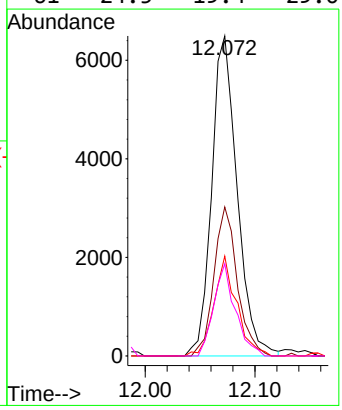


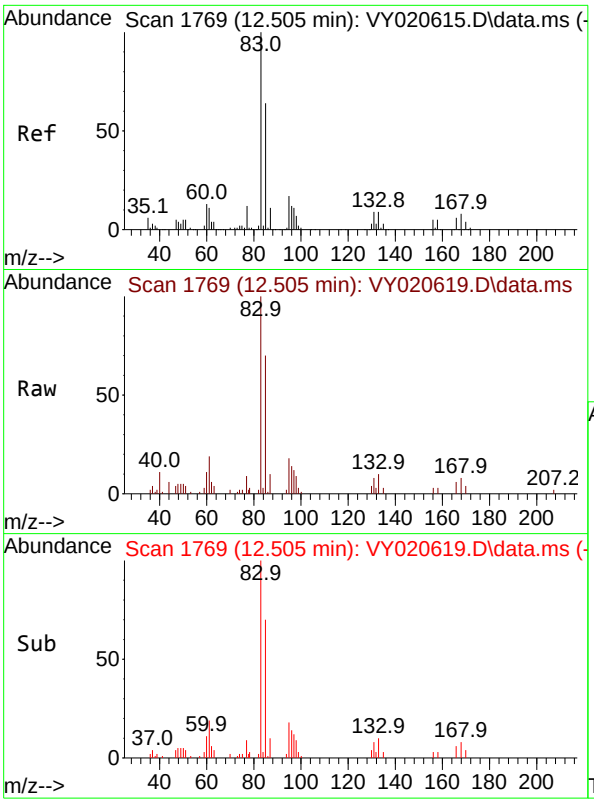


#74
N-amyl acetate
Concen: 4.245 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



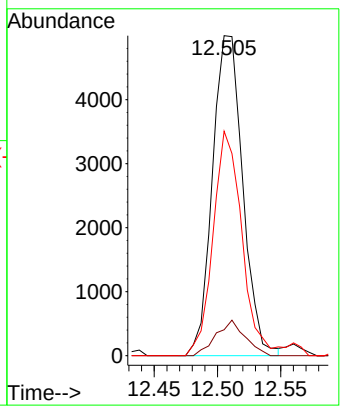


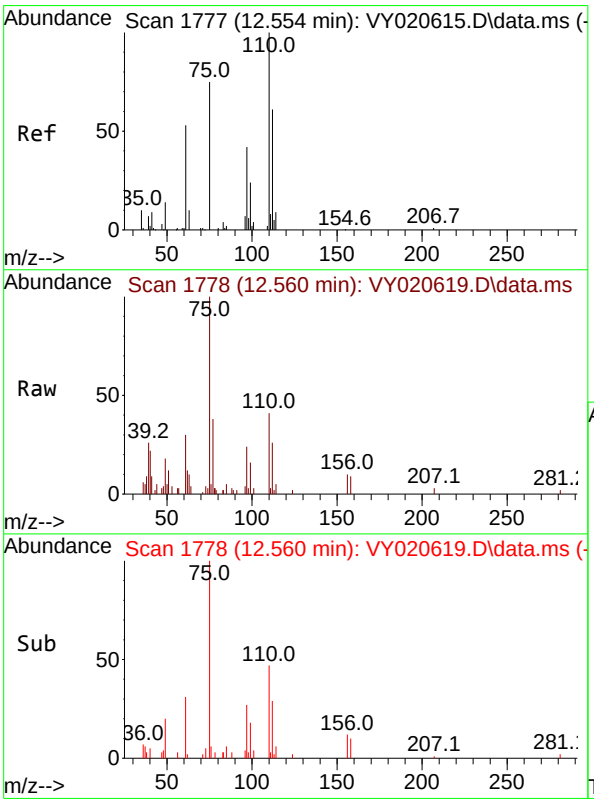
#75
1,1,2,2-Tetrachloroethane
Concen: 4.866 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

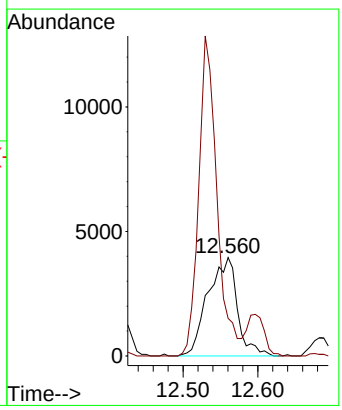


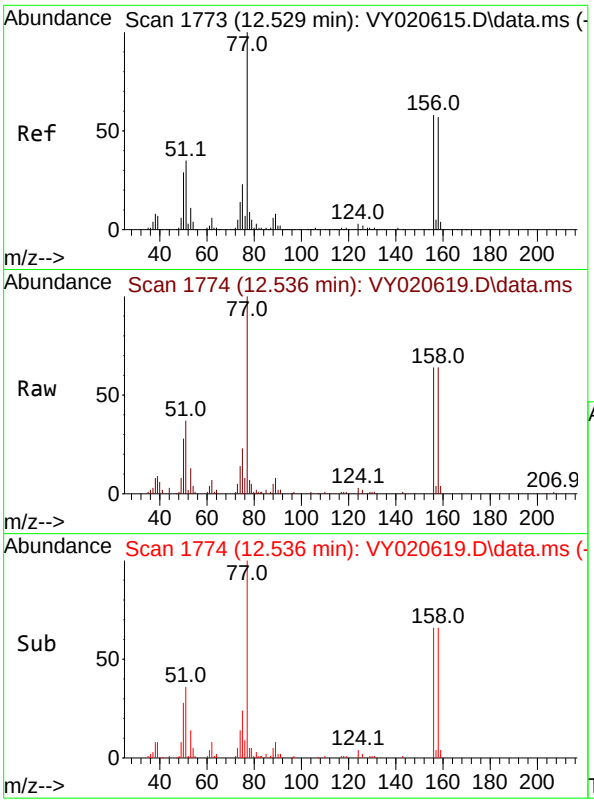


#76
1,2,3-Trichloropropane
Concen: 8.690 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 10818

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



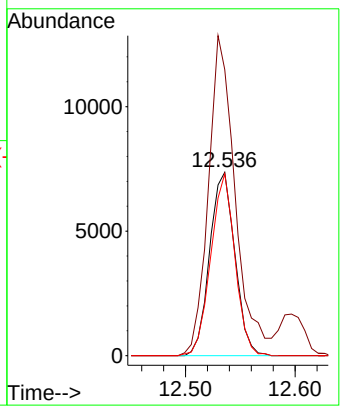


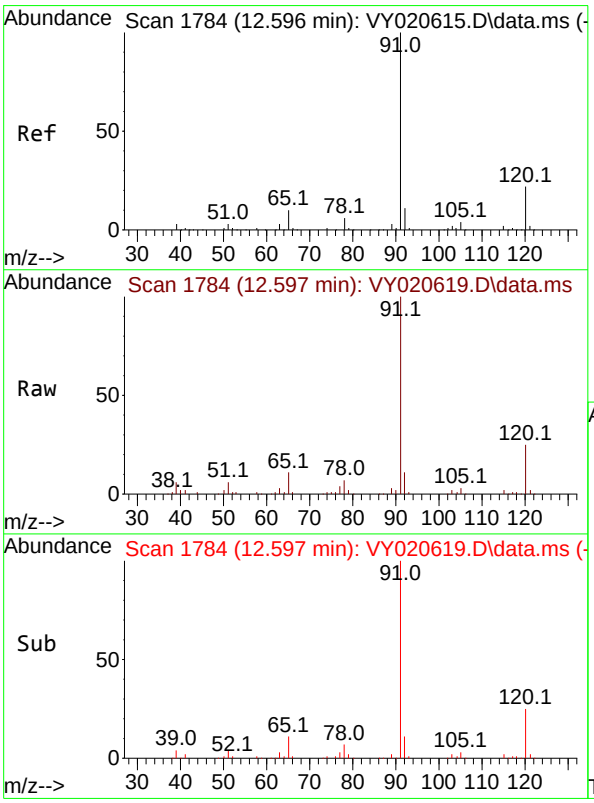
#77
Bromobenzene
Concen: 5.124 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

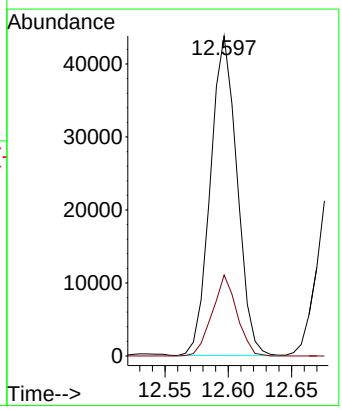


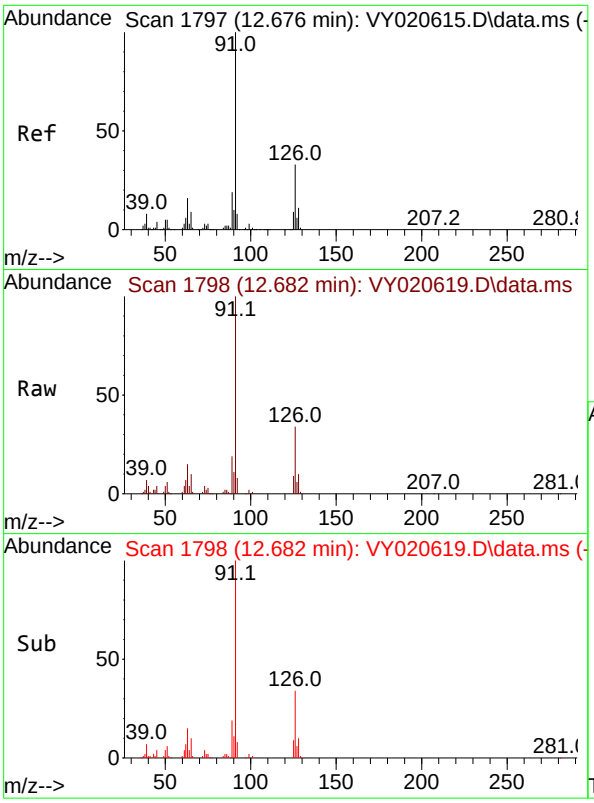


#78
n-propylbenzene
Concen: 5.047 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 64140

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.1



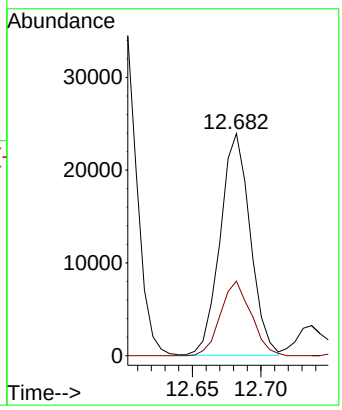


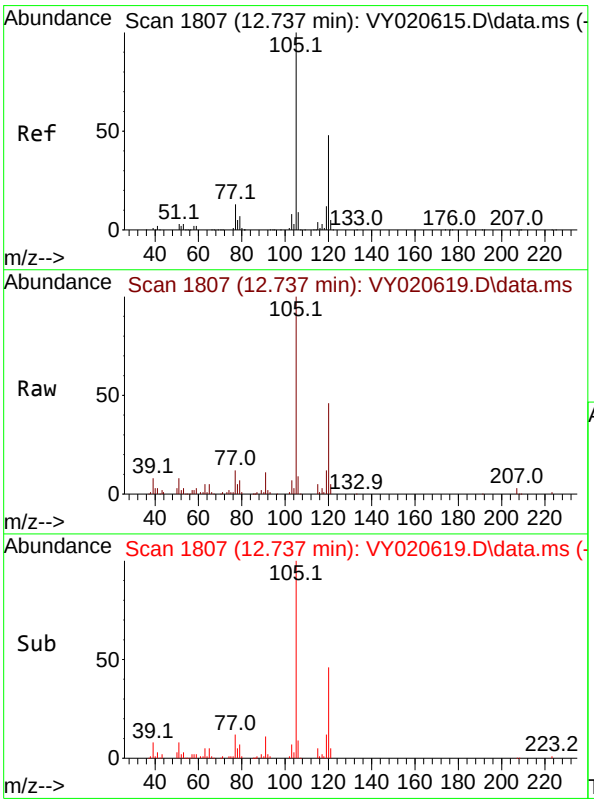
#79
2-Chlorotoluene
Concen: 5.106 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36508

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.6	49.7

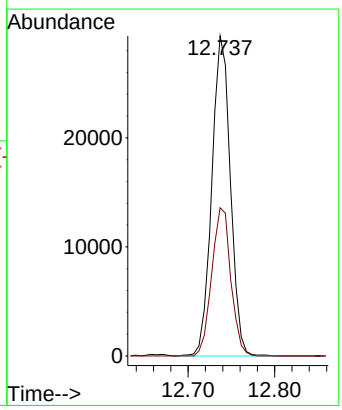


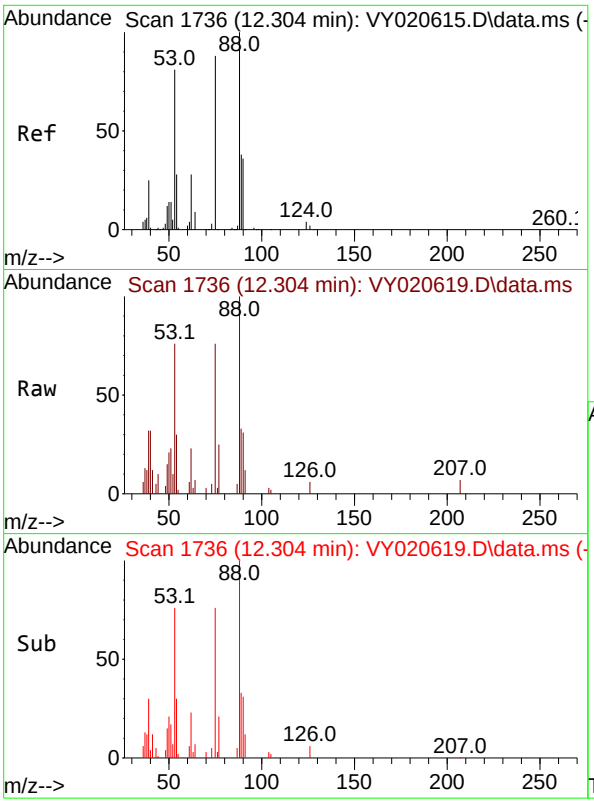


#80
1,3,5-Trimethylbenzene
Concen: 5.107 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 43711

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



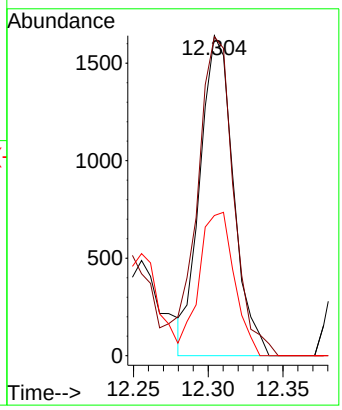


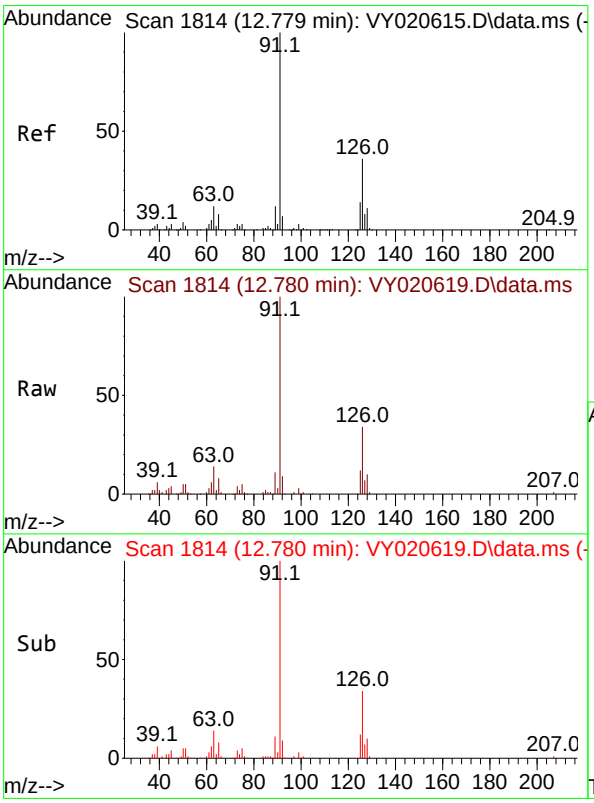
#81
trans-1,4-Dichloro-2-butene
Concen: 4.276 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

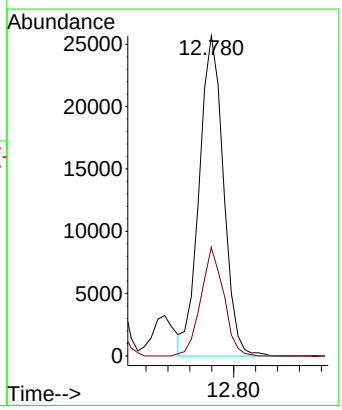


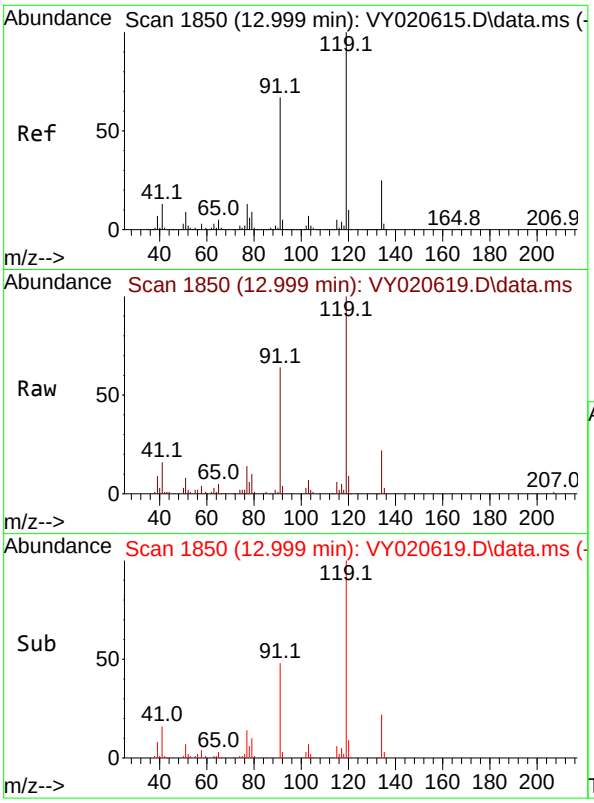


#82
4-Chlorotoluene
Concen: 5.318 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 39447

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.6	49.7



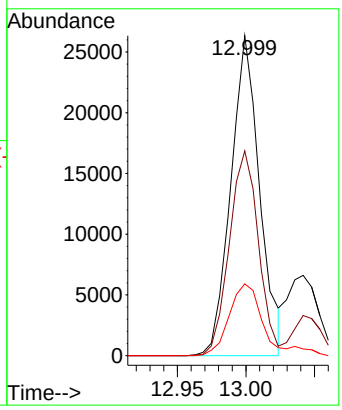


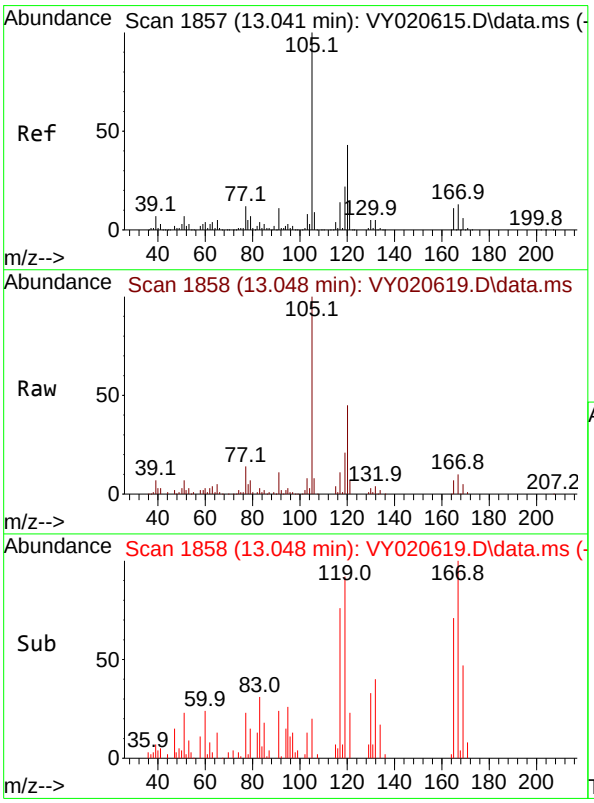
#83
tert-Butylbenzene
Concen: 4.972 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

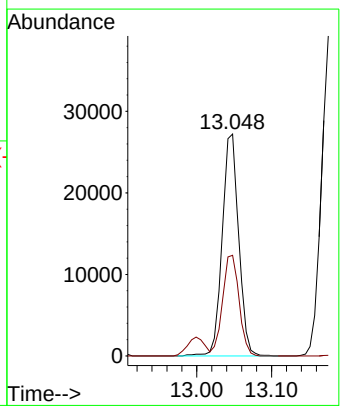


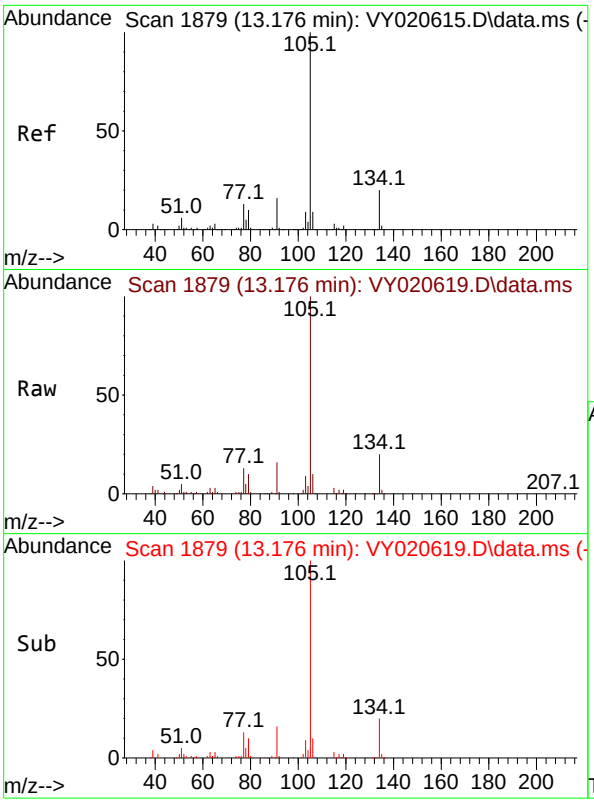


#84
1,2,4-Trimethylbenzene
Concen: 4.974 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 41754

Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.8	65.4



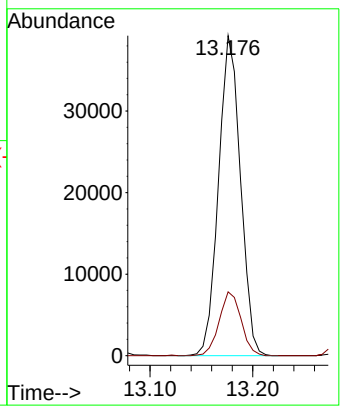


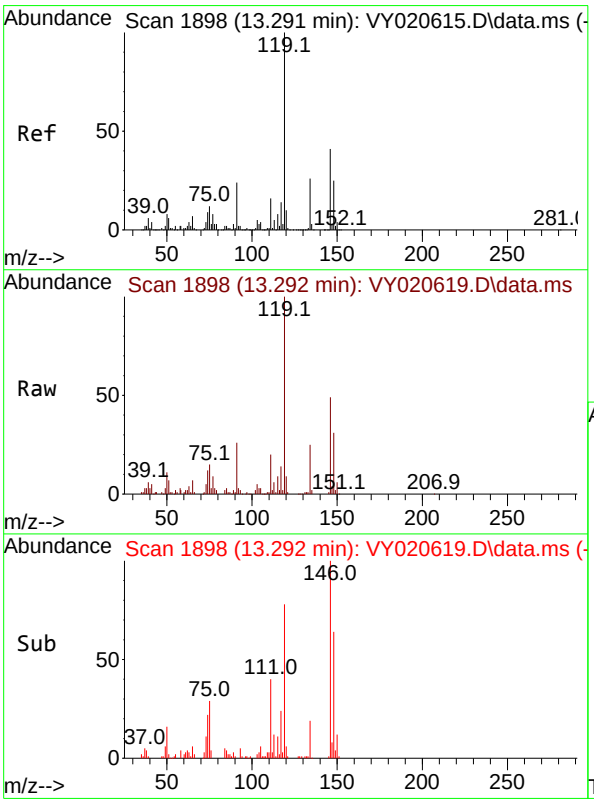
#85
sec-Butylbenzene
Concen: 5.154 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 58088

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

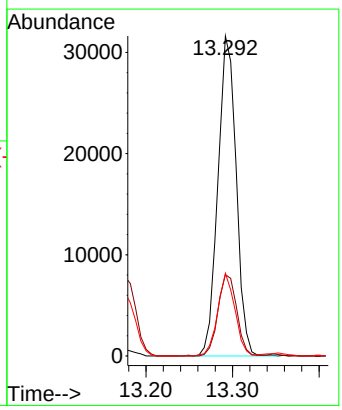


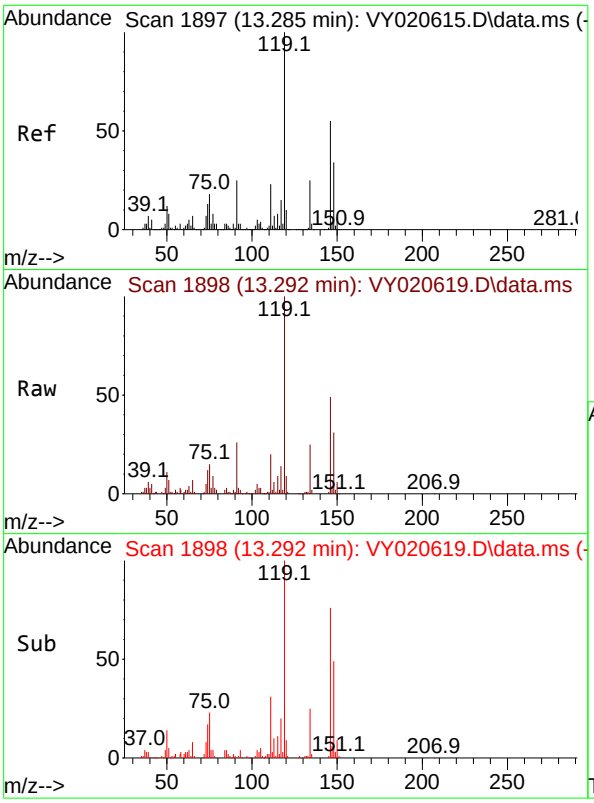


#86
p-Isopropyltoluene
Concen: 4.992 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



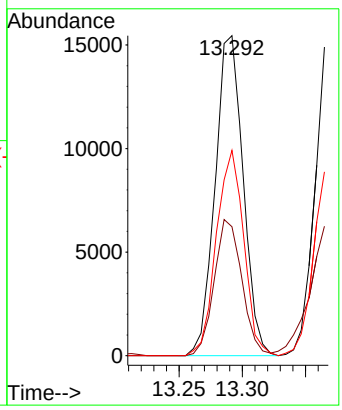


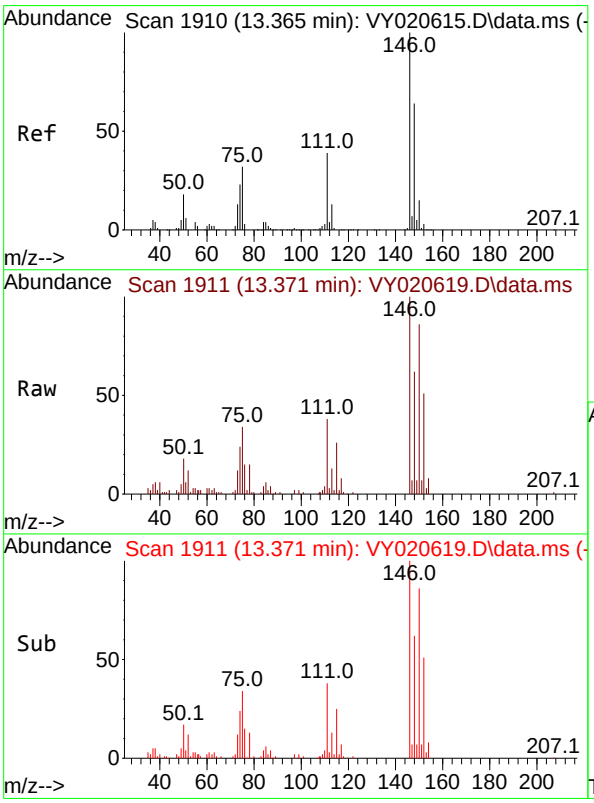
#87
1,3-Dichlorobenzene
Concen: 5.238 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

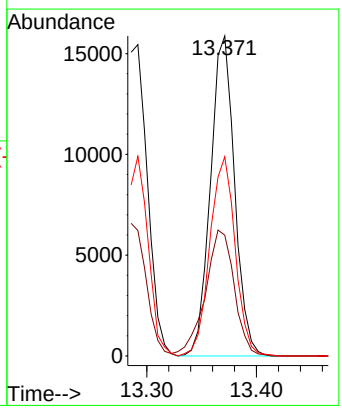


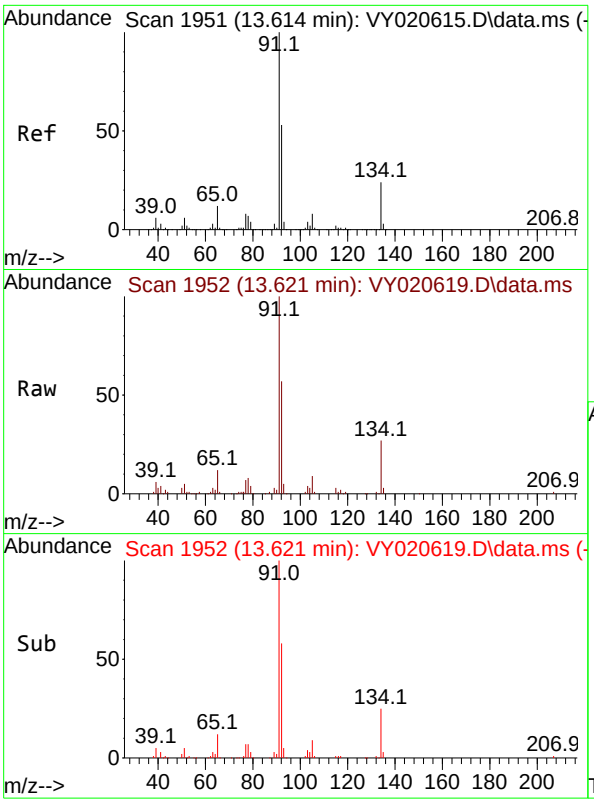


#88
1,4-Dichlorobenzene
Concen: 5.404 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



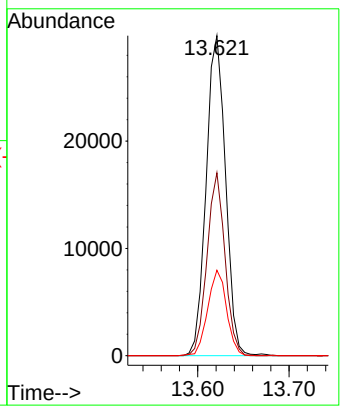


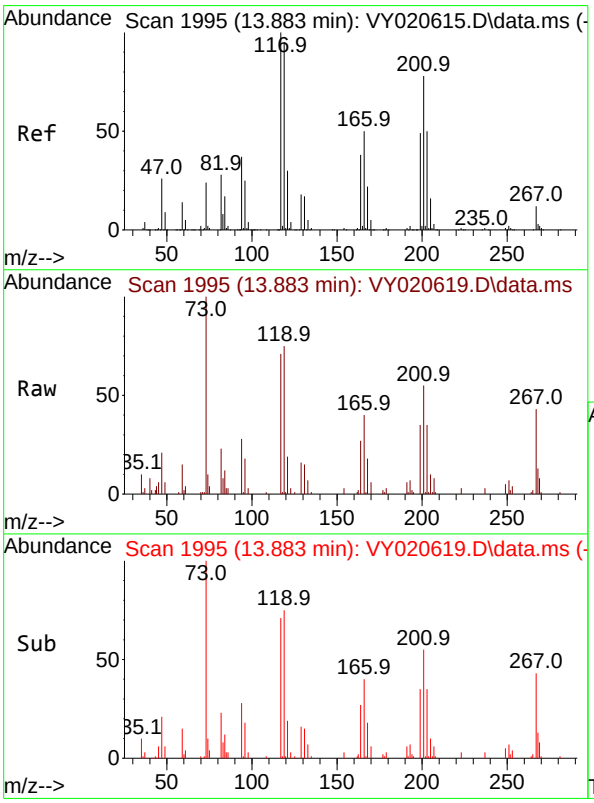
#89
n-Butylbenzene
Concen: 4.976 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

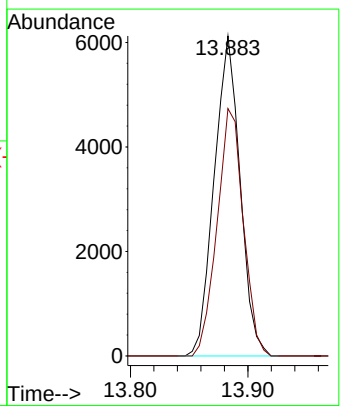


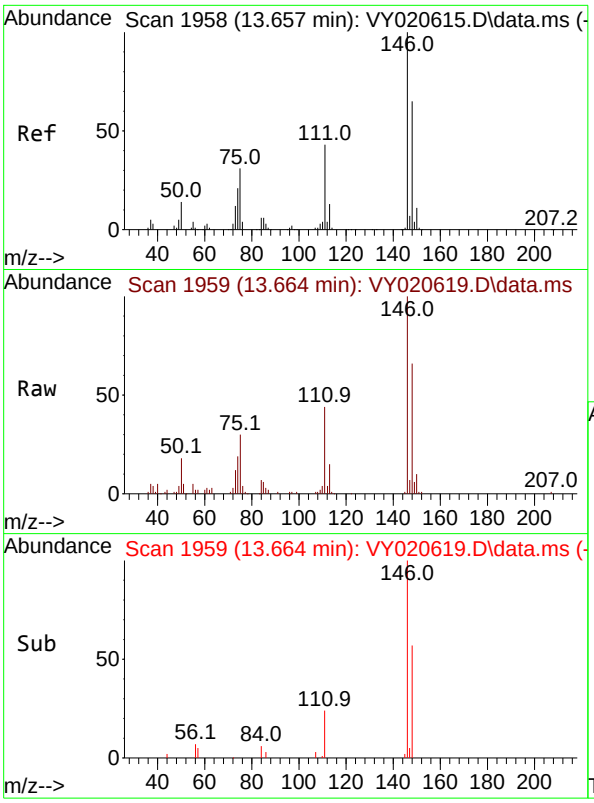


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 9361

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3



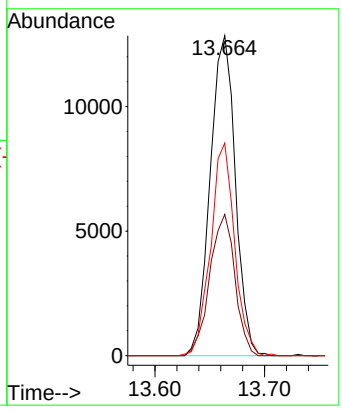


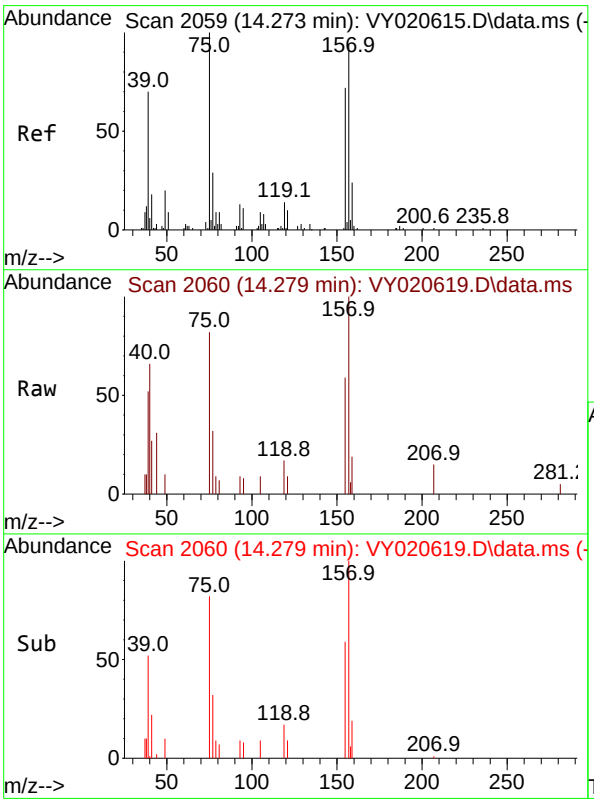
#91
1,2-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

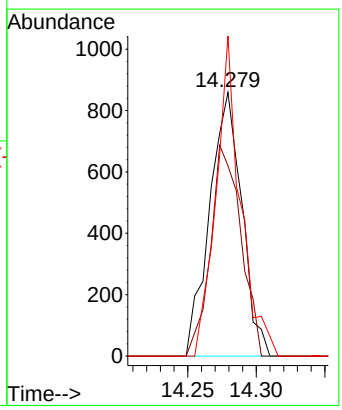


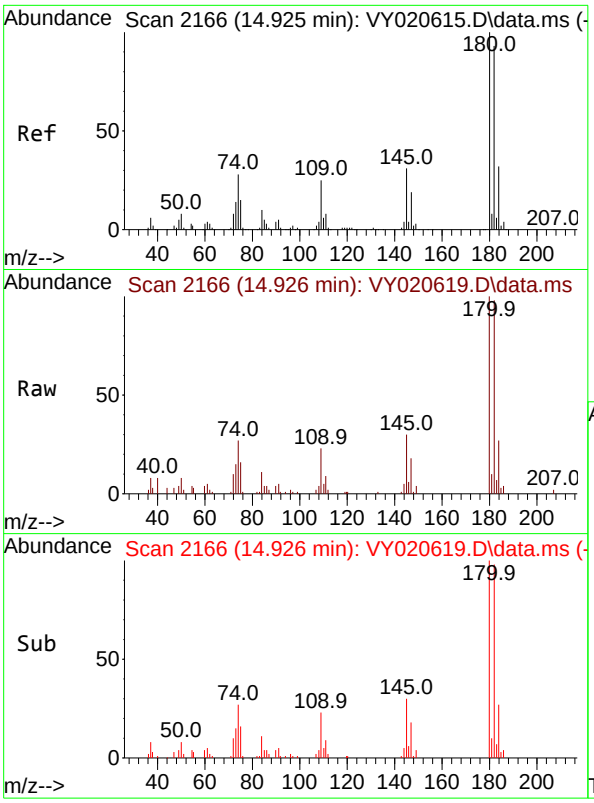


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.051 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



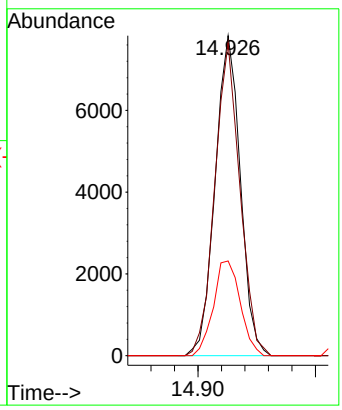


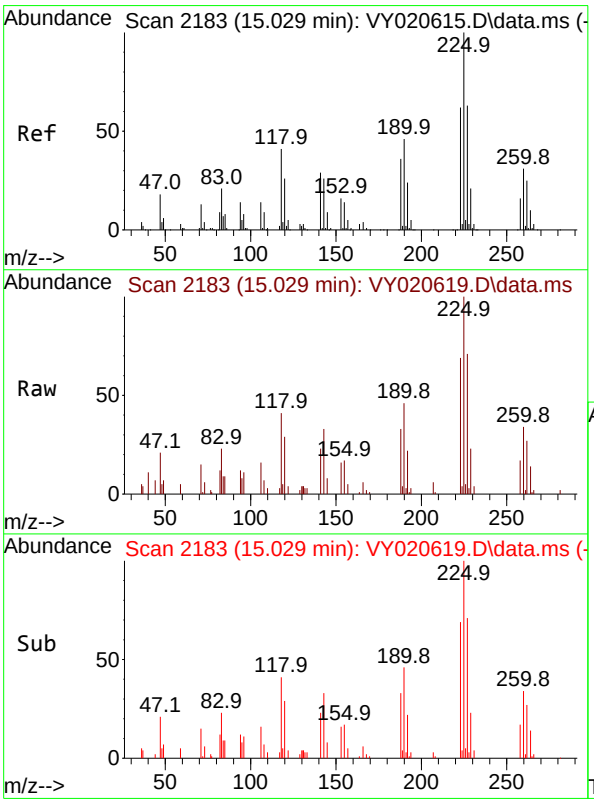
#93
1,2,4-Trichlorobenzene
Concen: 4.900 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

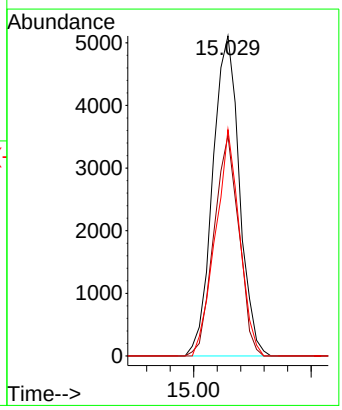


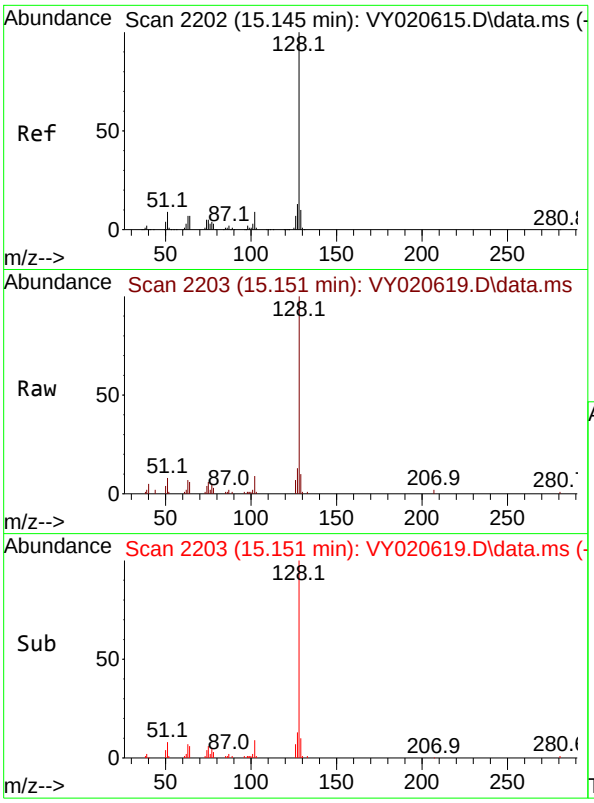


#94
Hexachlorobutadiene
Concen: 5.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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



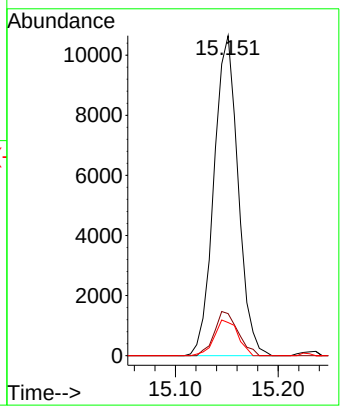


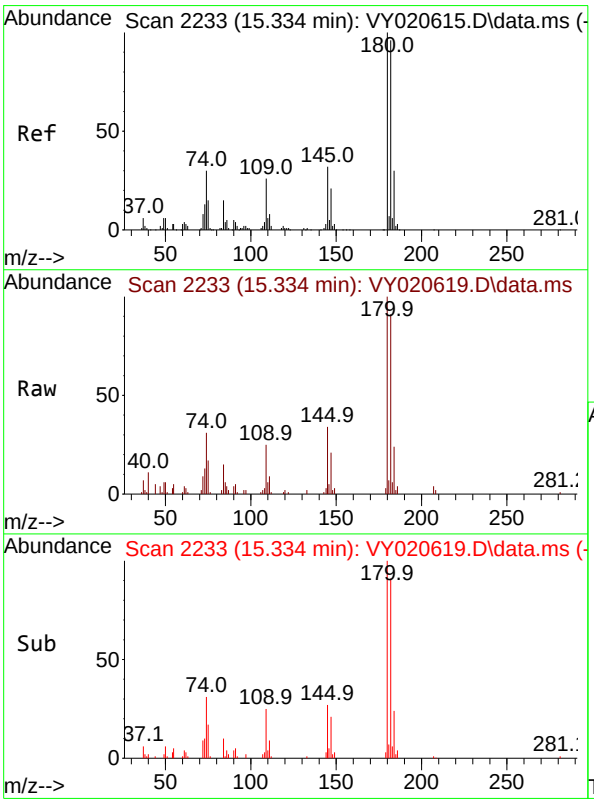
#95
Naphthalene
Concen: 4.261 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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

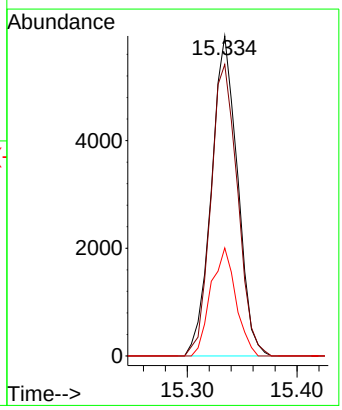




#96
1,2,3-Trichlorobenzene
Concen: 4.890 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

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)

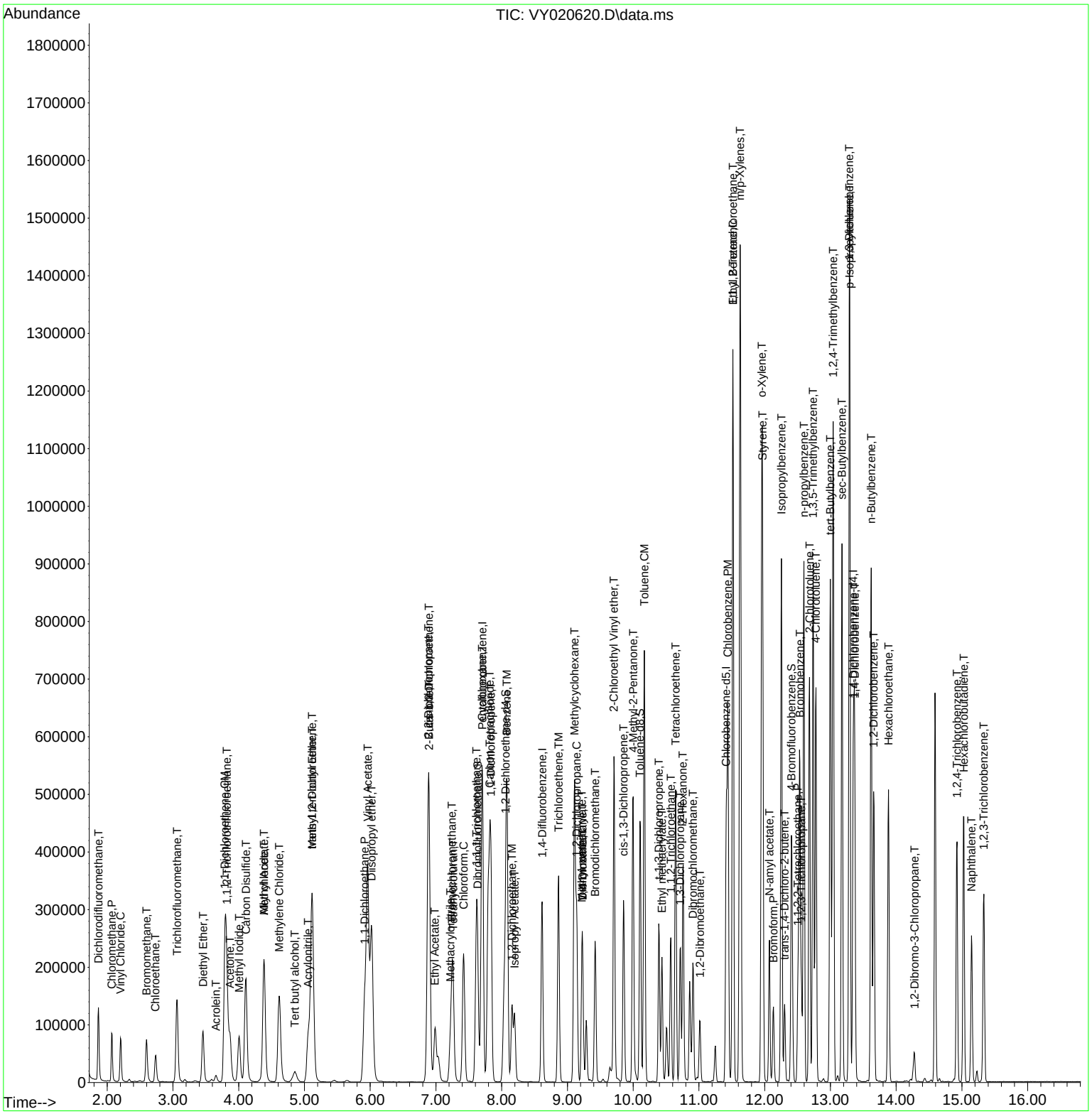
(#) = qualifier out of range (m) = manual integration (+) = signals summed

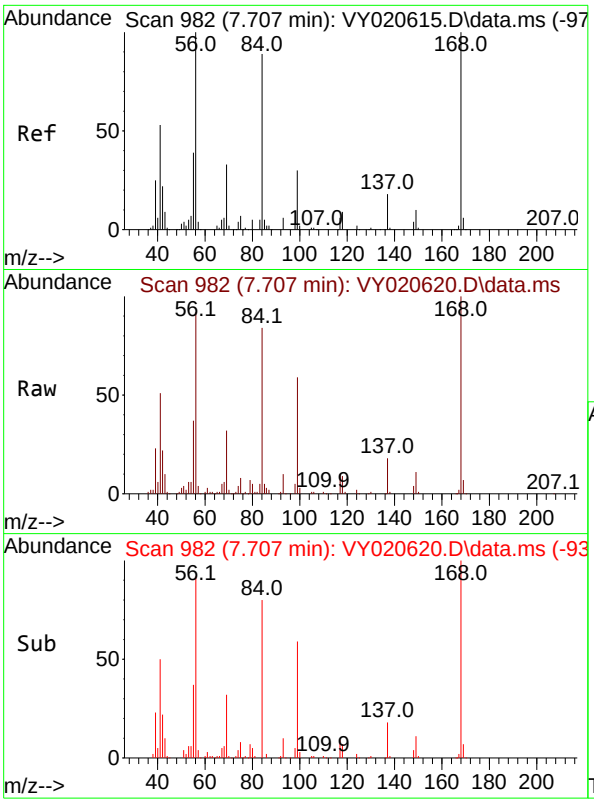
Quantitation Report (Not Reviewed)

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



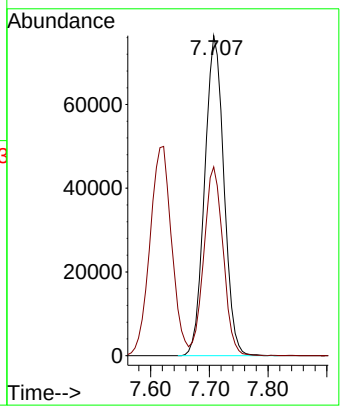


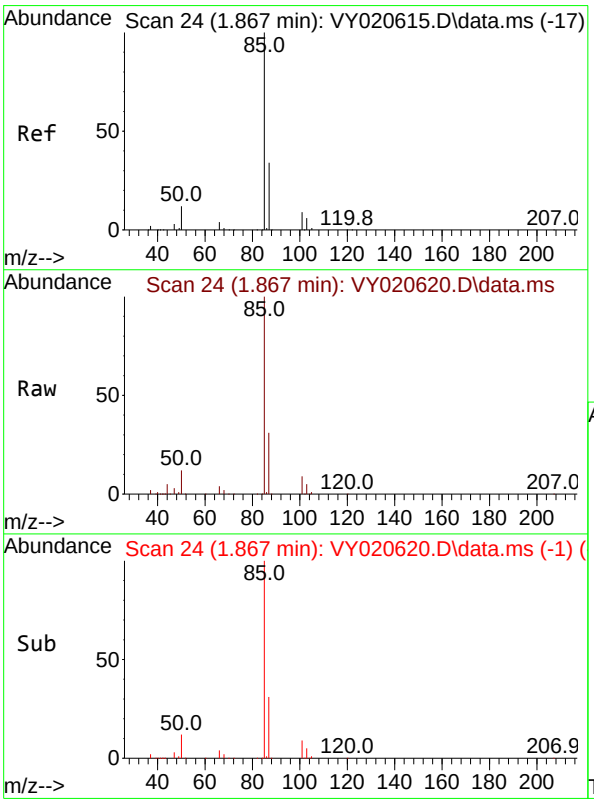
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:168 Resp: 173629

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.0	70.6

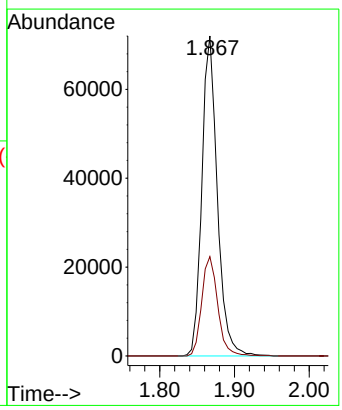


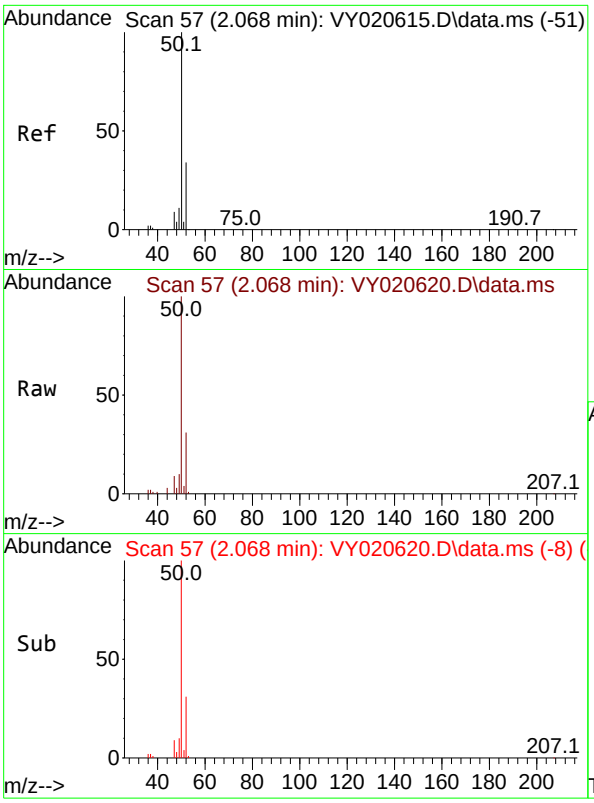


#2
Dichlorodifluoromethane
Concen: 47.686 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 85 Resp: 103417

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3



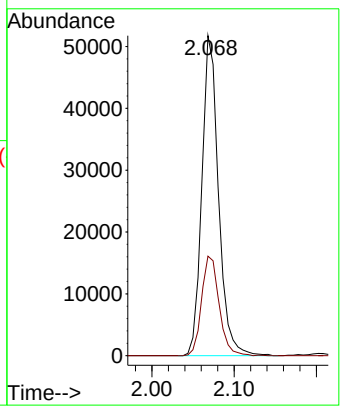


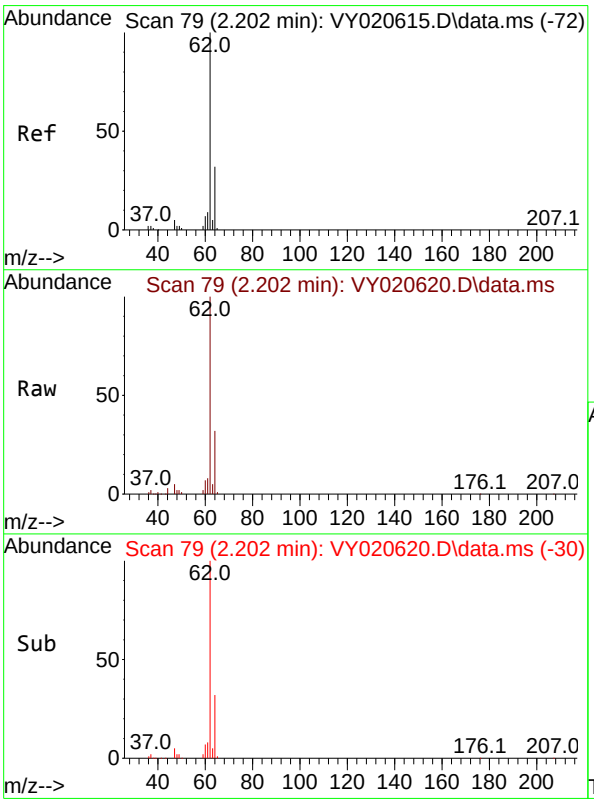
#3
Chloromethane
Concen: 45.240 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 50 Resp: 72696

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2

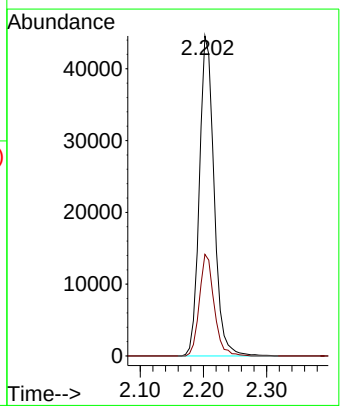


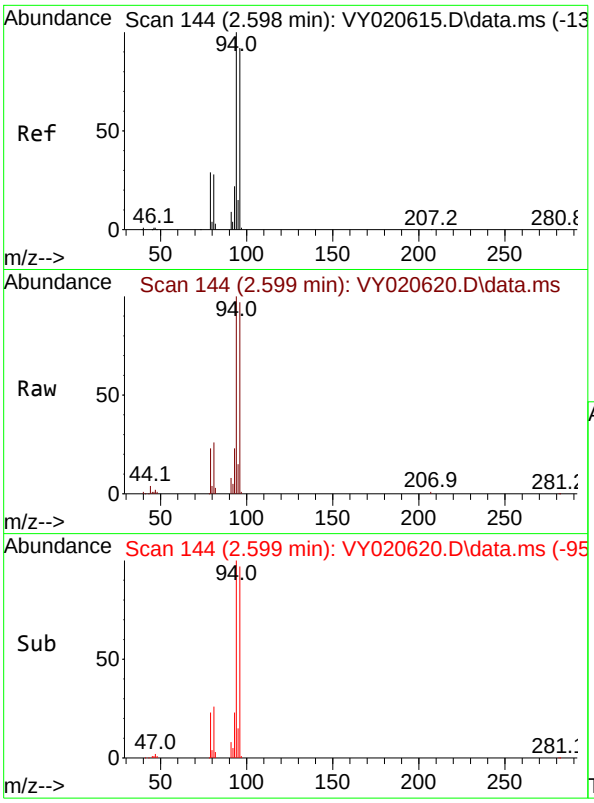


#4
Vinyl Chloride
Concen: 48.277 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 72204

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



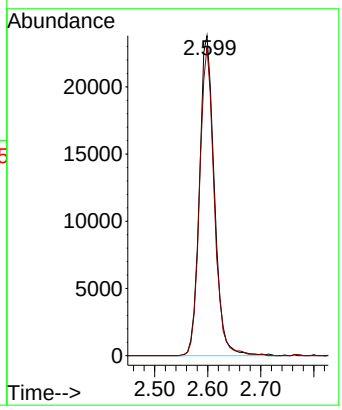


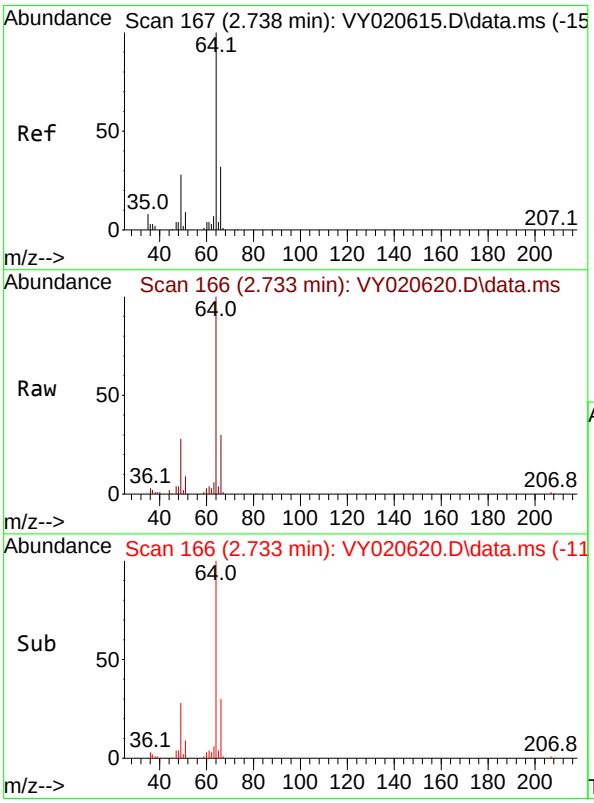
#5
Bromomethane
Concen: 48.405 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 94 Resp: 46536

Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.8	110.6

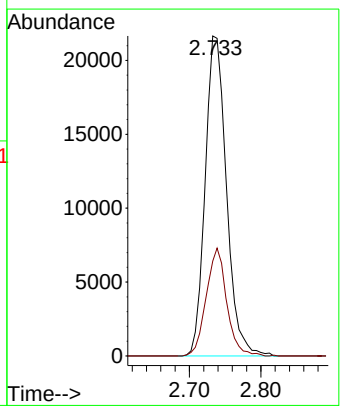


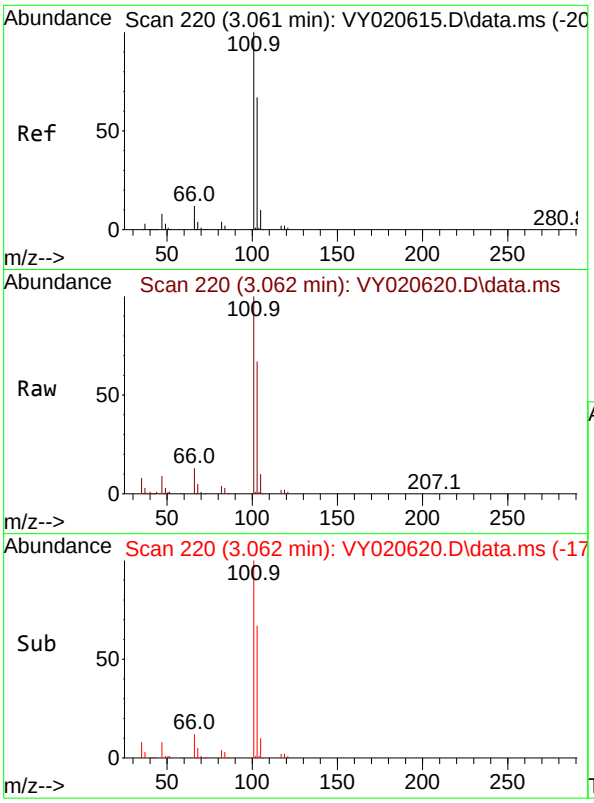


#6
Chloroethane
Concen: 48.520 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 64 Resp: 44843

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.8	38.6



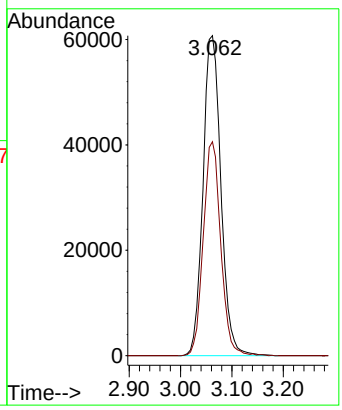


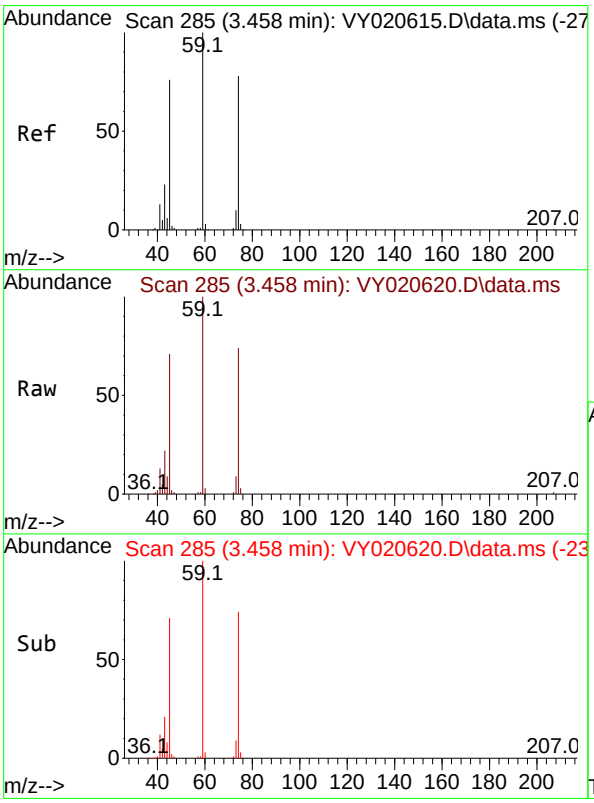
#7
Trichlorofluoromethane
Concen: 47.080 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:101 Resp: 147334

Ion	Ratio	Lower	Upper
101	100		
103	66.9	53.4	80.0

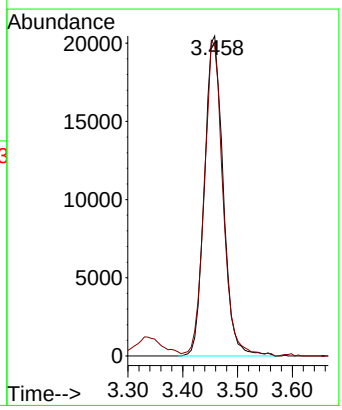


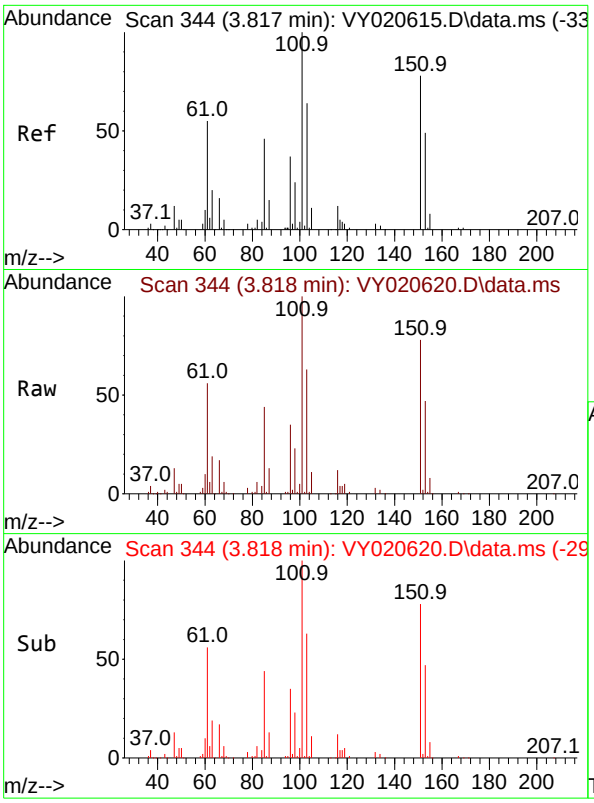


#8
Diethyl Ether
Concen: 44.007 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 74 Resp: 48299

Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.0	147.2



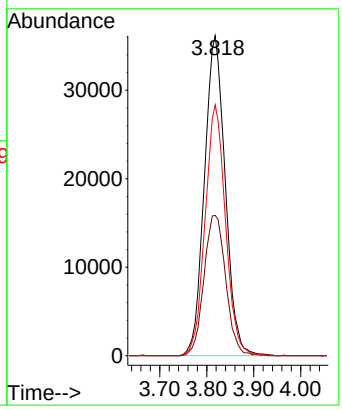


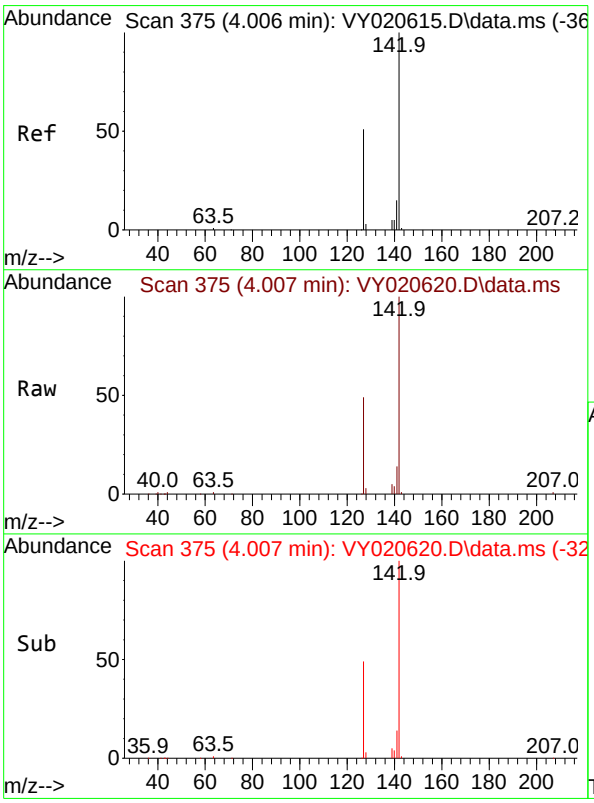
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.613 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

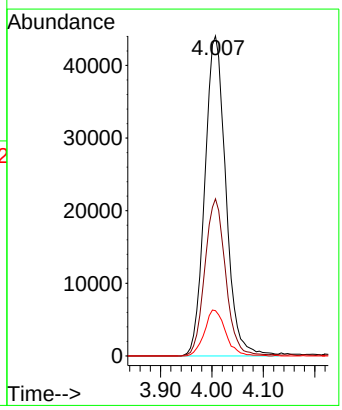


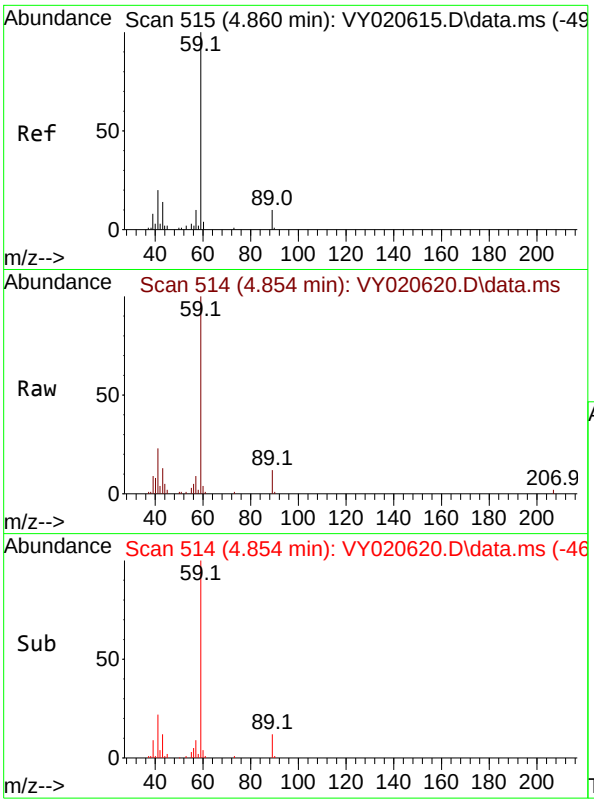


#10
Methyl Iodide
Concen: 50.161 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



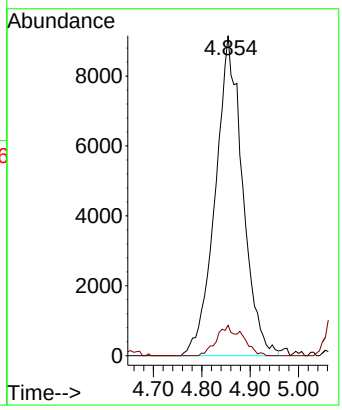


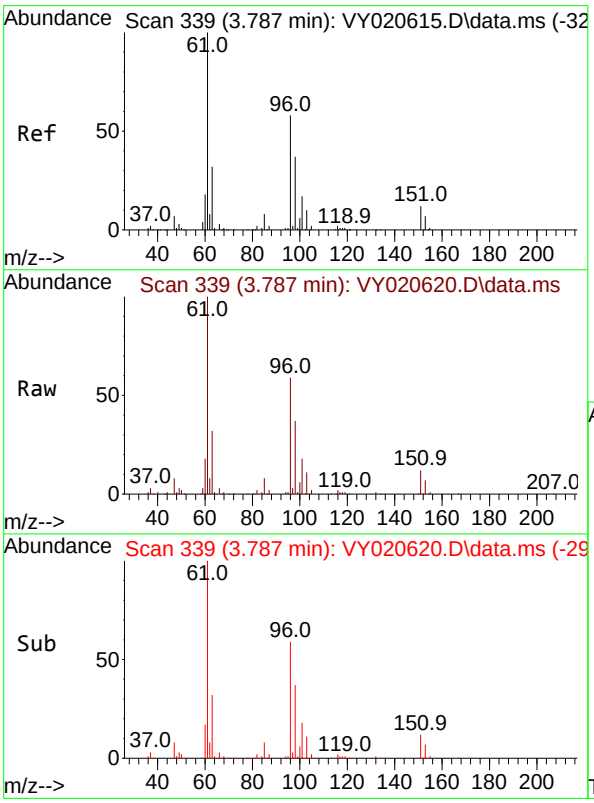
#11
Tert butyl alcohol
Concen: 166.993 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 59 Resp: 35896

Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.0

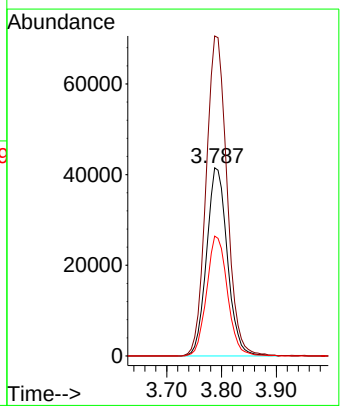


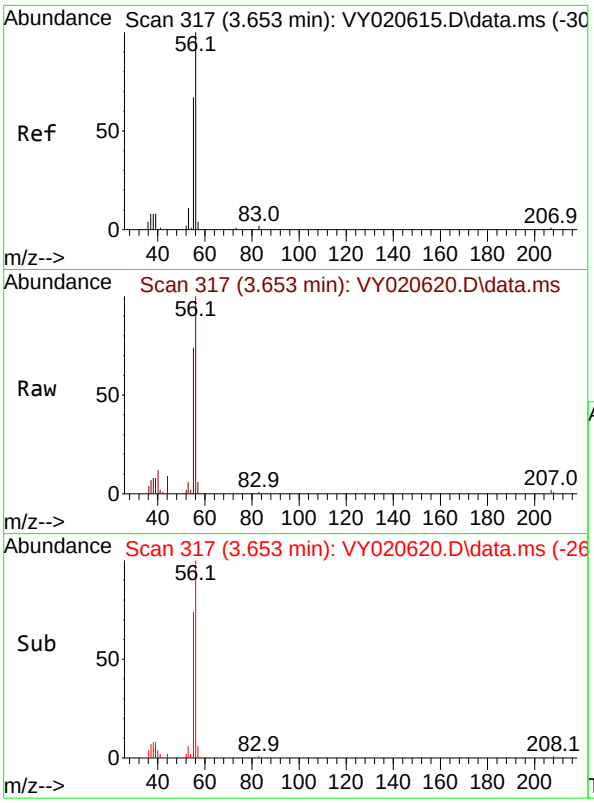


#12
1,1-Dichloroethene
Concen: 50.176 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



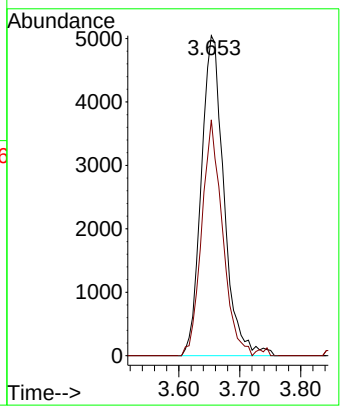


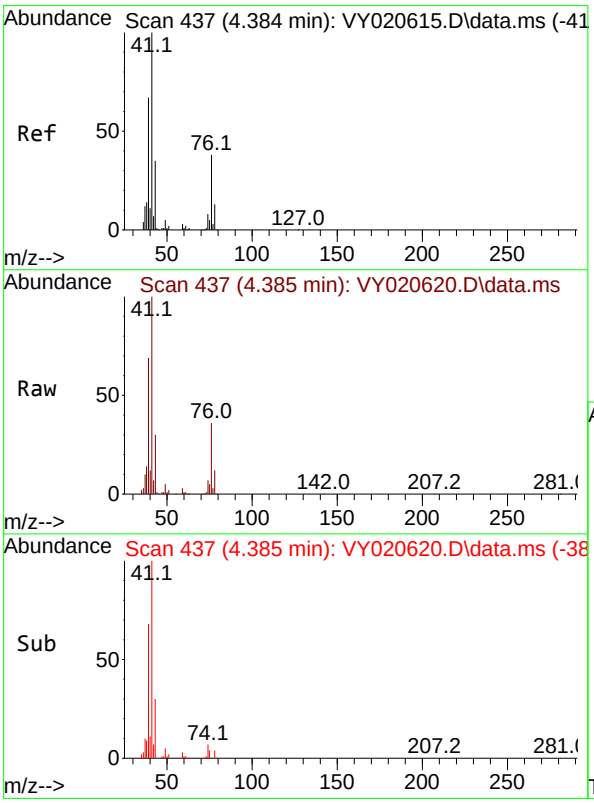
#13
Acrolein
Concen: 145.056 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 56 Resp: 13043

Ion	Ratio	Lower	Upper
56	100		
55	67.6	57.5	86.3

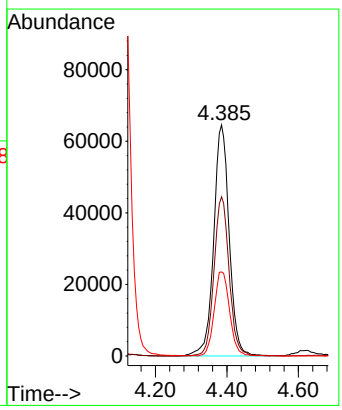


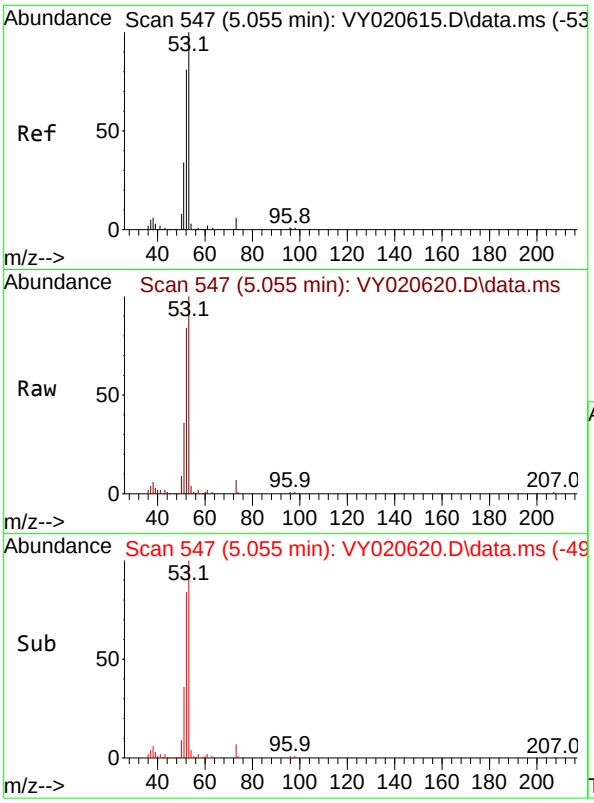


#14
Allyl chloride
Concen: 50.975 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



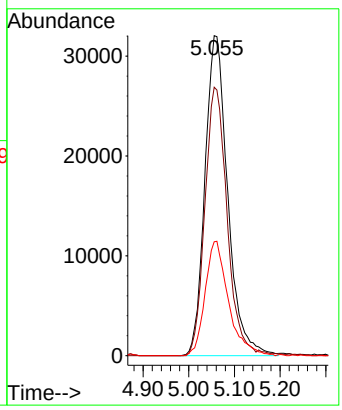


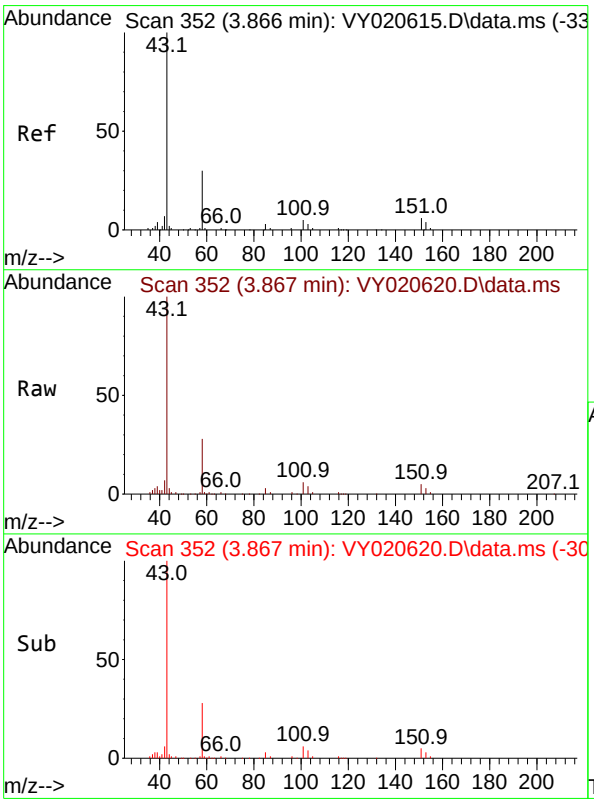
#15
Acrylonitrile
Concen: 211.661 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

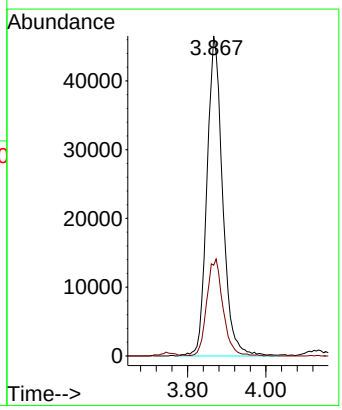


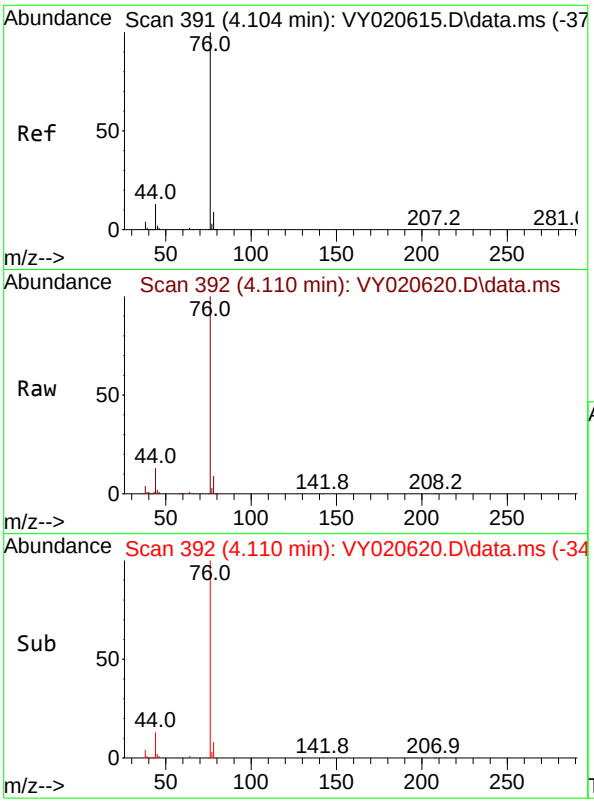


#16
Acetone
Concen: 343.570 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 128884

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.0	37.6



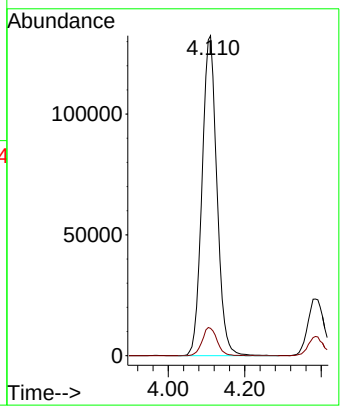


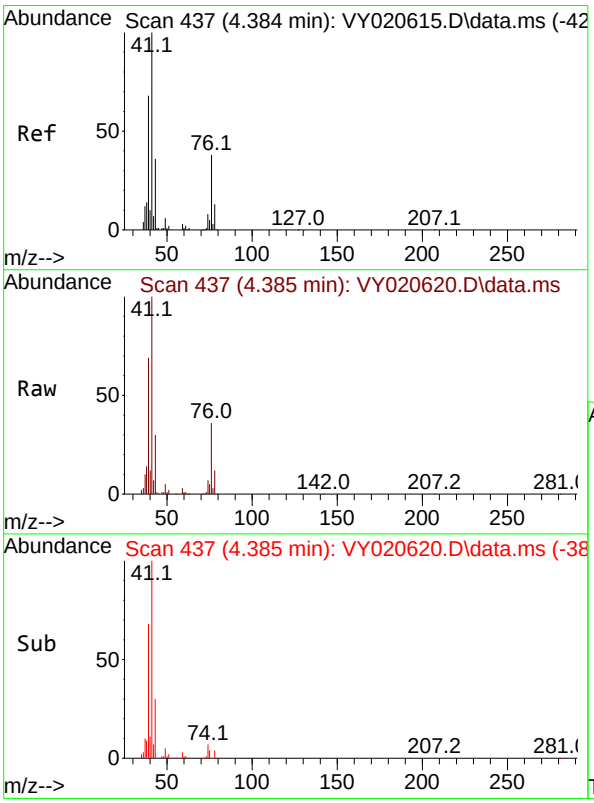
#17
Carbon Disulfide
Concen: 50.444 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 76 Resp: 357372

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

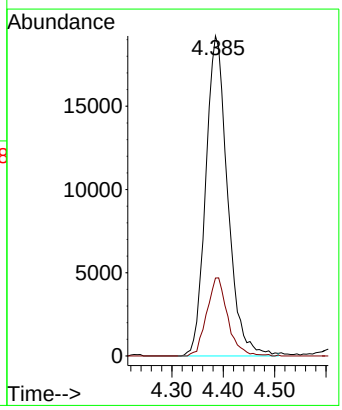


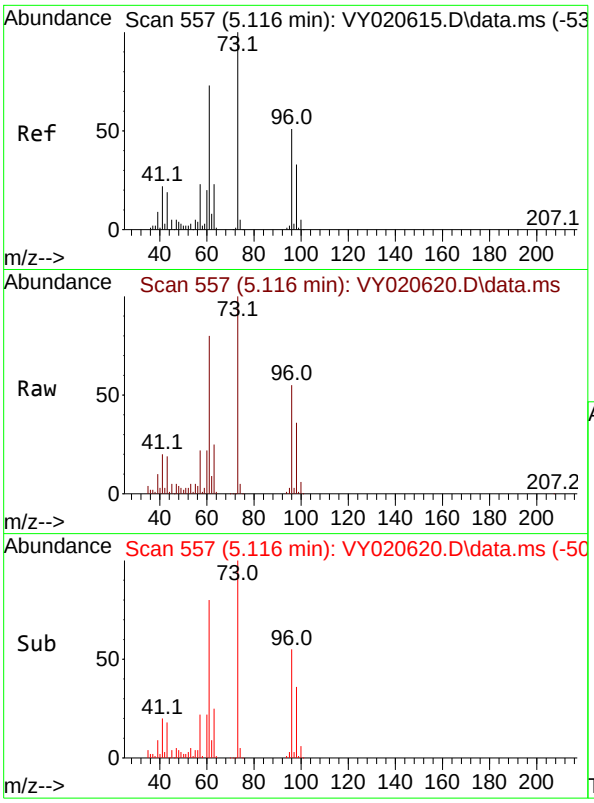


#18
Methyl Acetate
Concen: 44.029 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 56965

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8



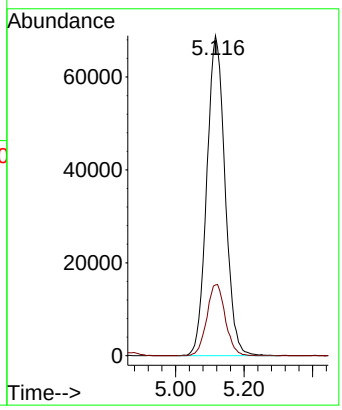


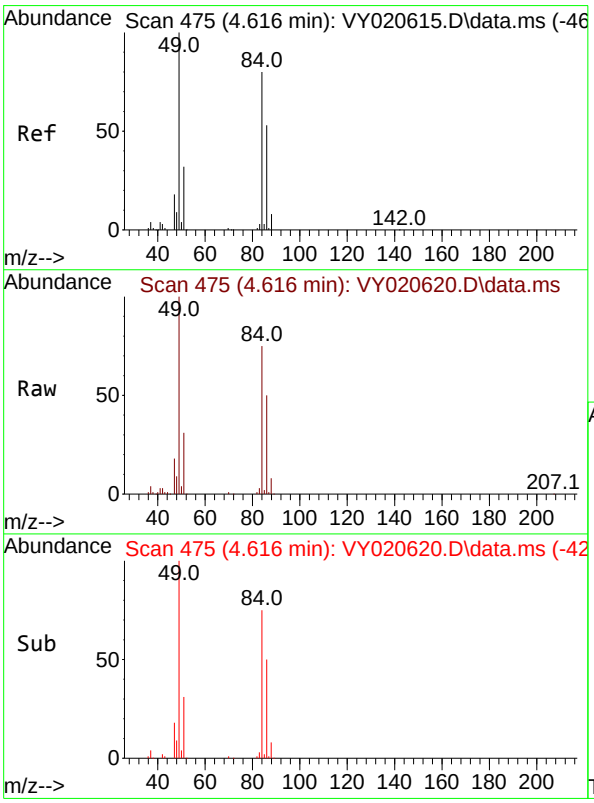
#19
Methyl tert-butyl Ether
Concen: 45.379 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 73 Resp: 254917

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

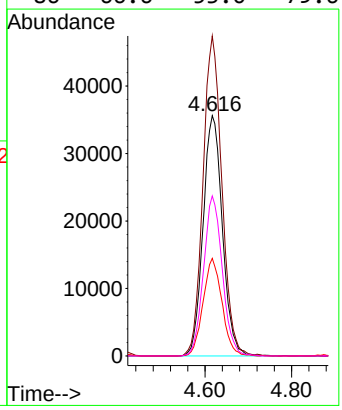


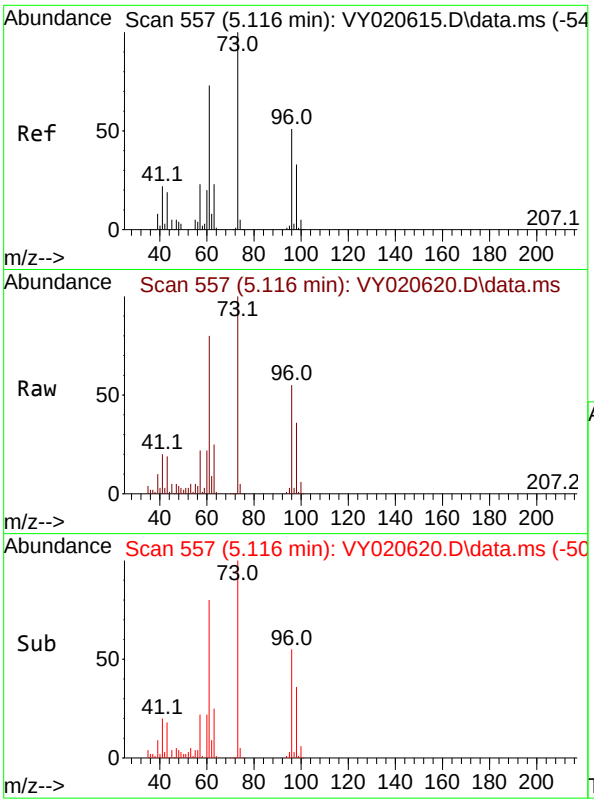


#20
Methylene Chloride
Concen: 46.658 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



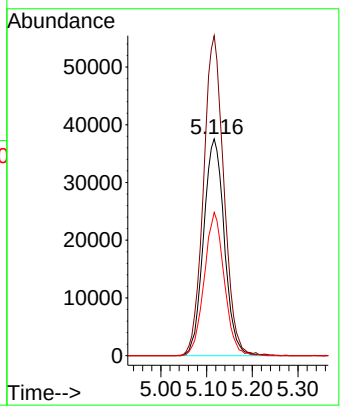


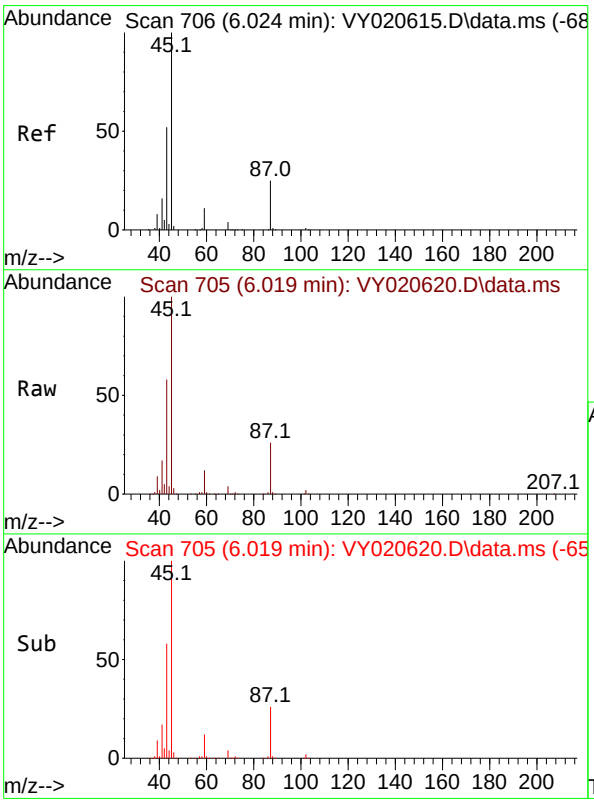
#21
trans-1,2-Dichloroethene
Concen: 48.656 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

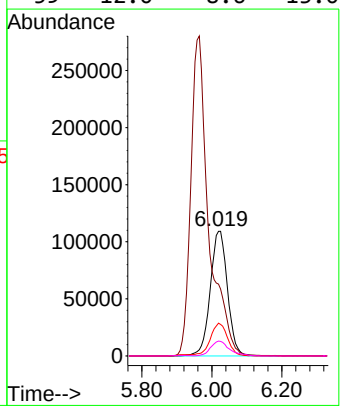


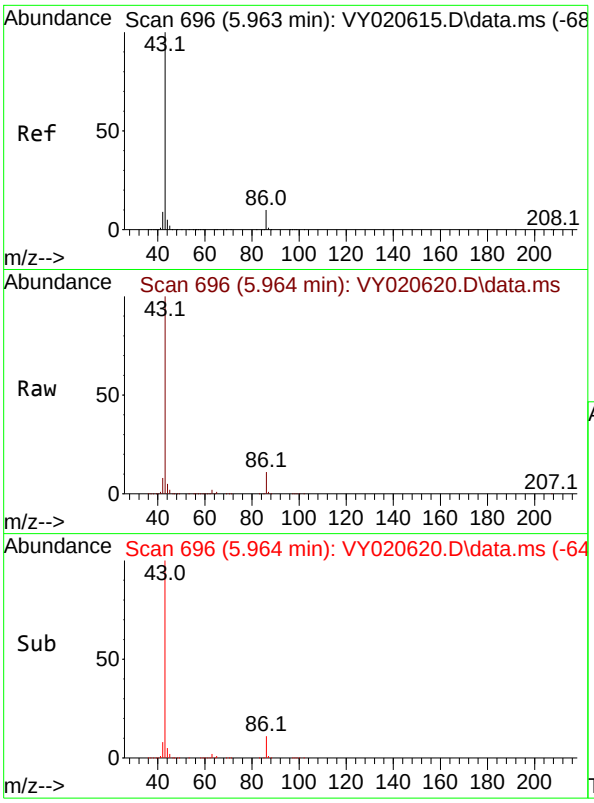


#22
Diisopropyl ether
Concen: 48.223 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



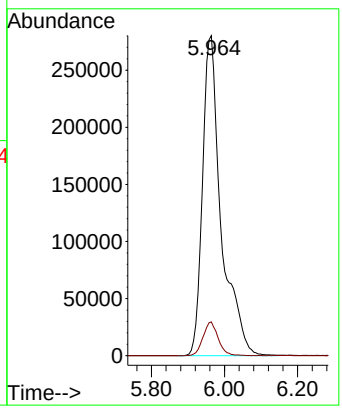


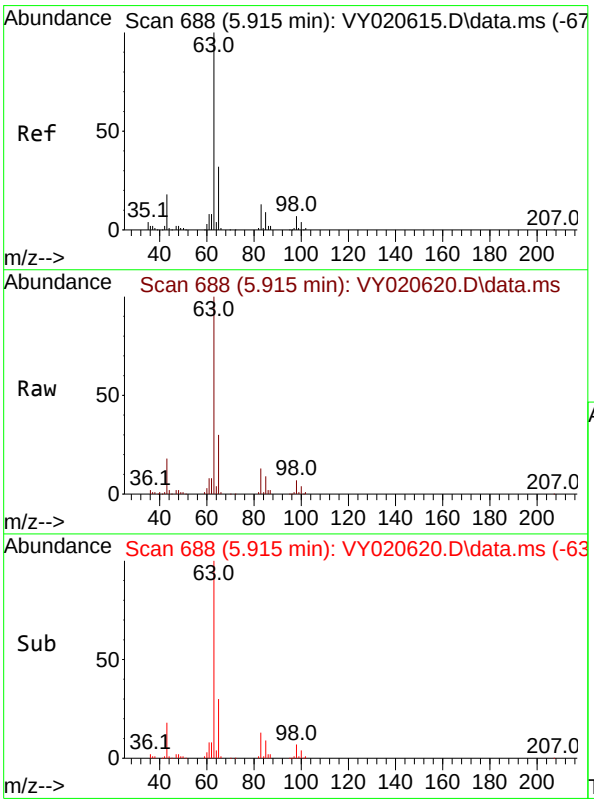
#23
Vinyl Acetate
Concen: 226.581 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 993429

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1

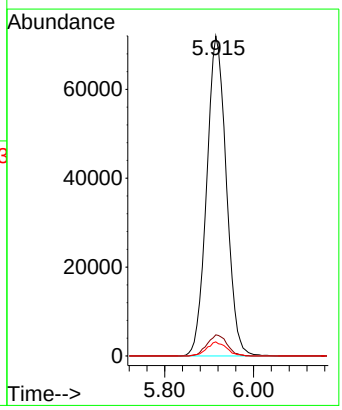


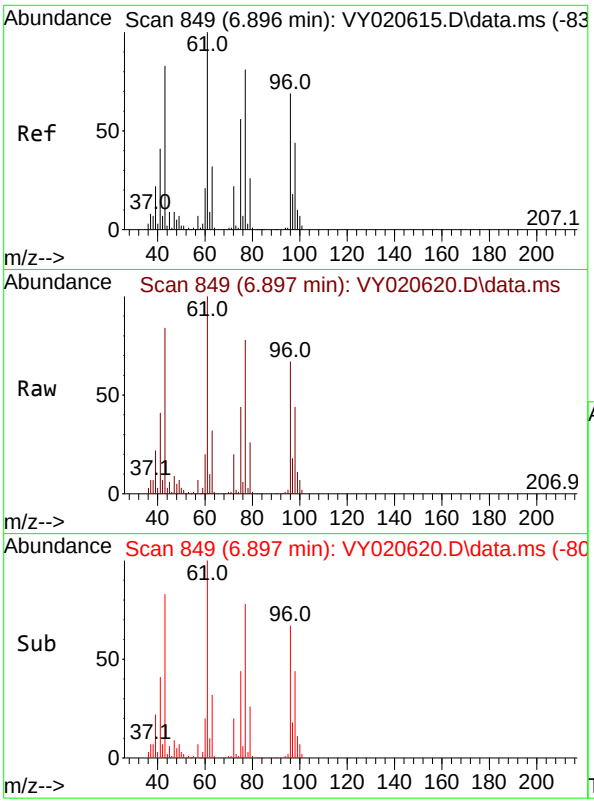


#24
1,1-Dichloroethane
Concen: 48.802 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



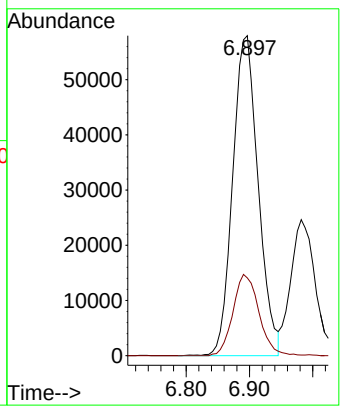


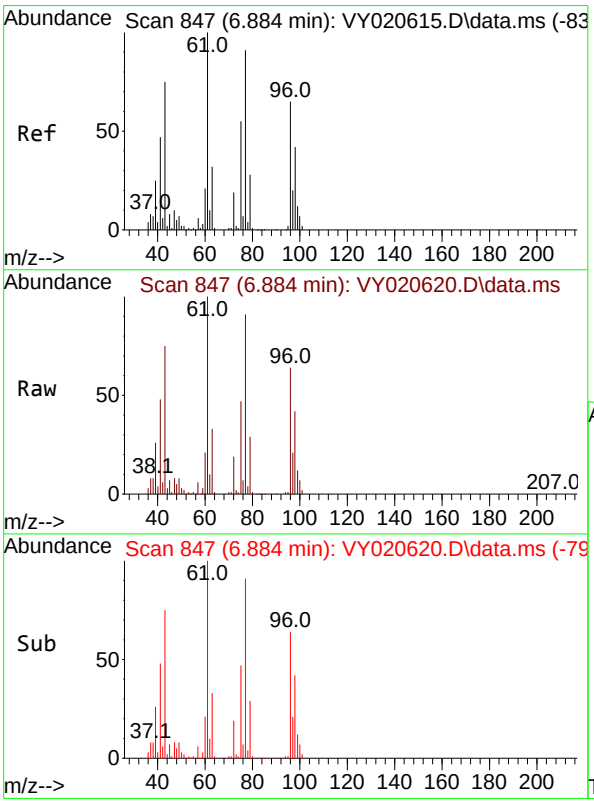
#25
2-Butanone
Concen: 230.232 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 162705

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.6	31.0

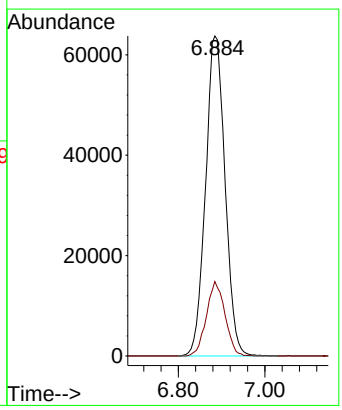


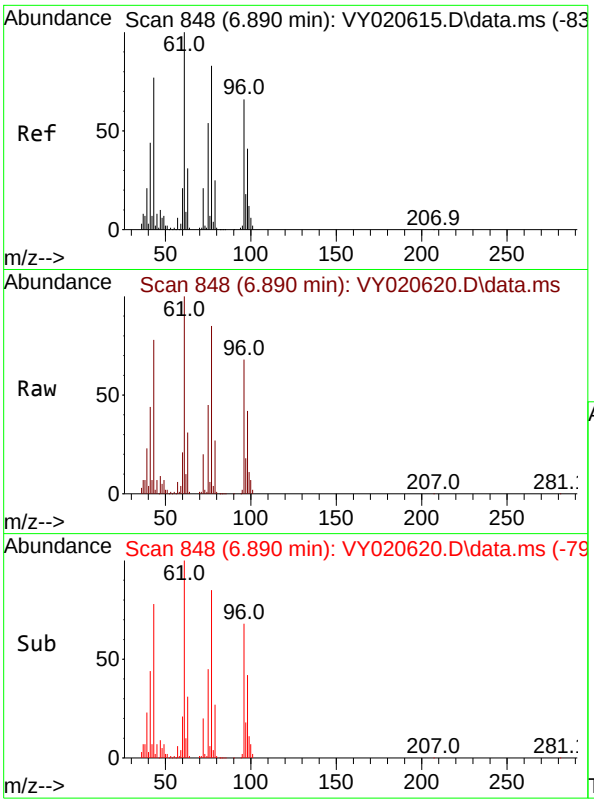


#26
2,2-Dichloropropane
Concen: 46.471 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 77 Resp: 199229

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.6



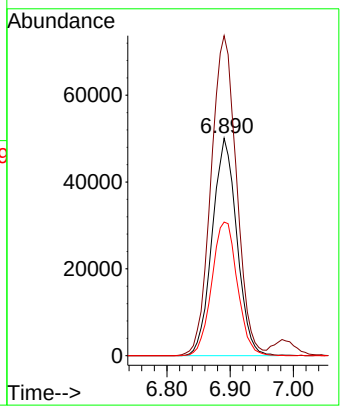


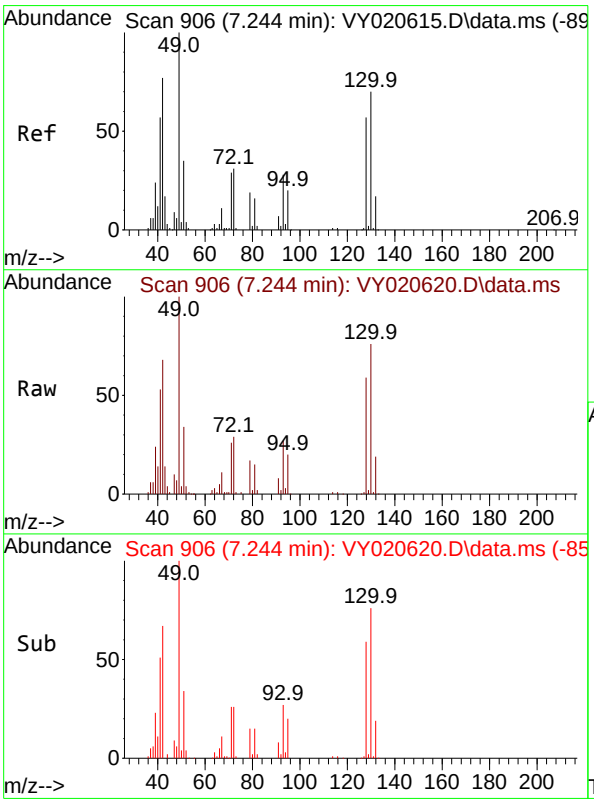
#27
cis-1,2-Dichloroethene
Concen: 48.202 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

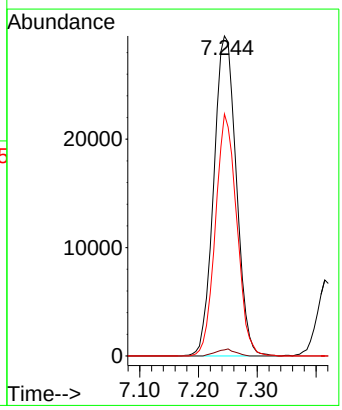


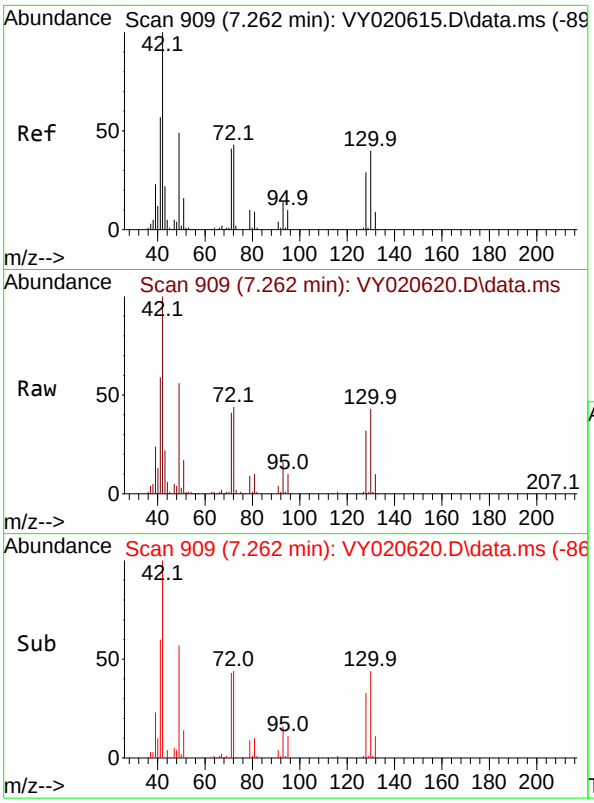


#28
Bromochloromethane
Concen: 51.402 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



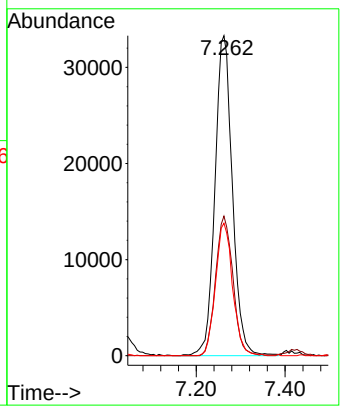


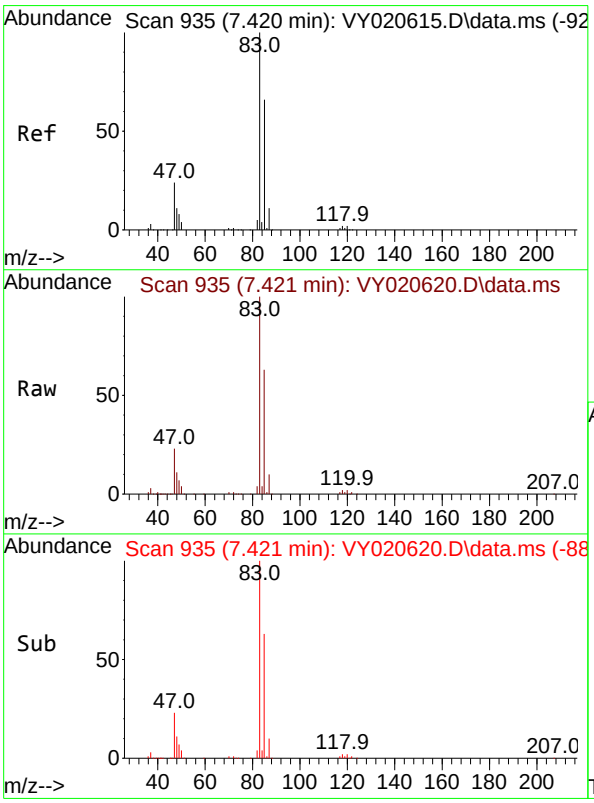
#29
Tetrahydrofuran
Concen: 203.060 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

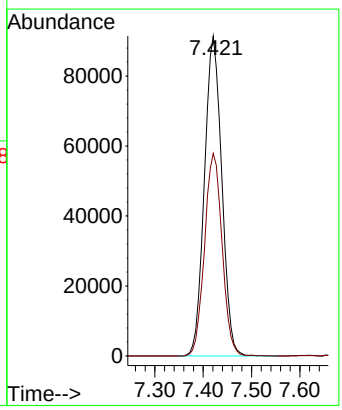


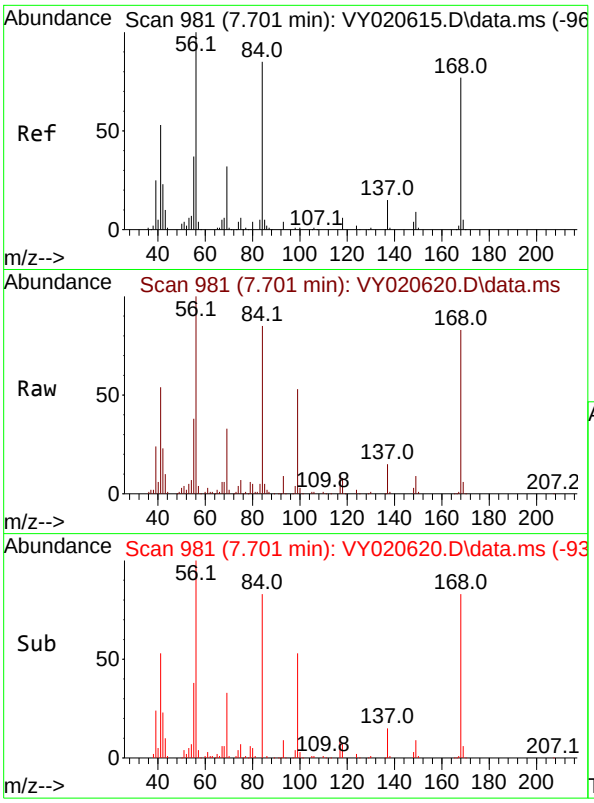


#30
Chloroform
Concen: 49.995 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 227671

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.7	79.1



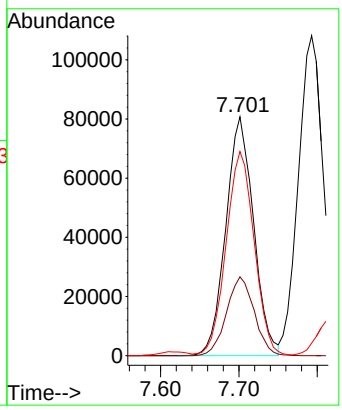


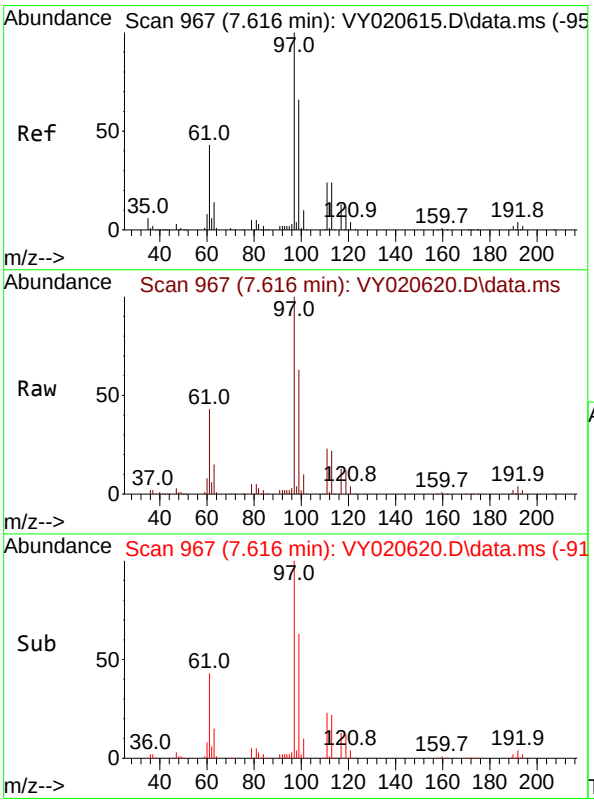
#31
Cyclohexane
Concen: 45.921 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

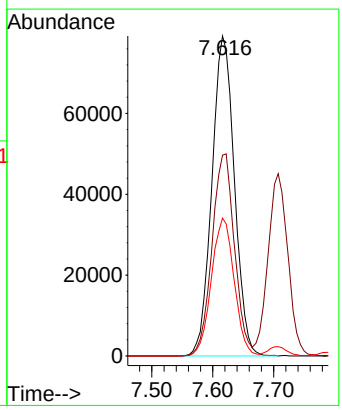


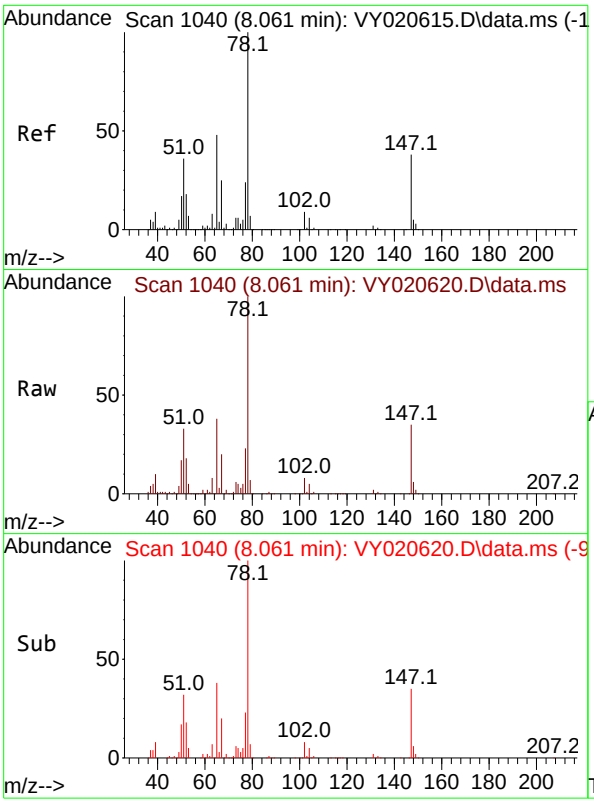


#32
1,1,1-Trichloroethane
Concen: 48.837 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



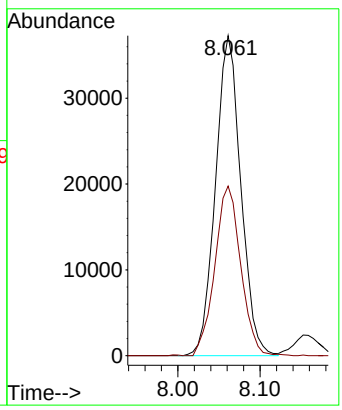


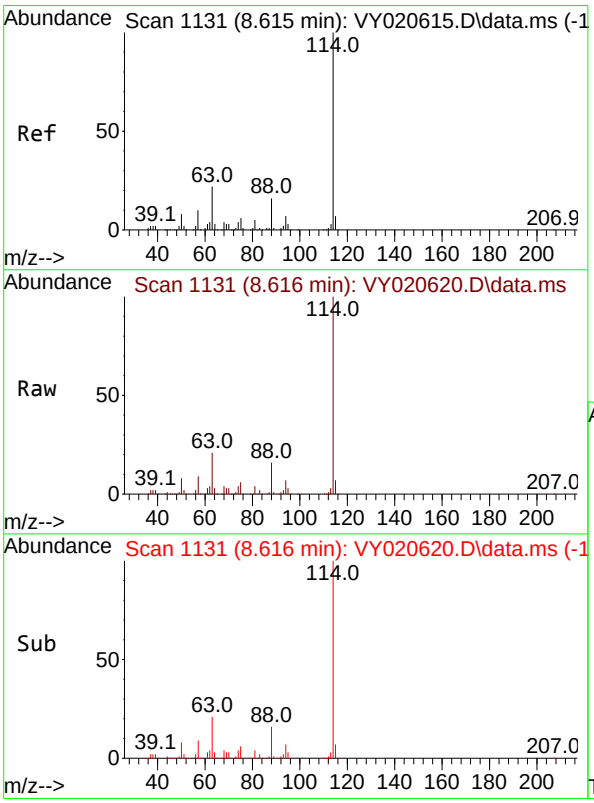
#33
1,2-Dichloroethane-d4
Concen: 41.971 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 65 Resp: 79812

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.0

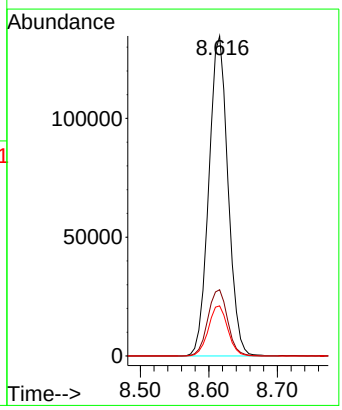


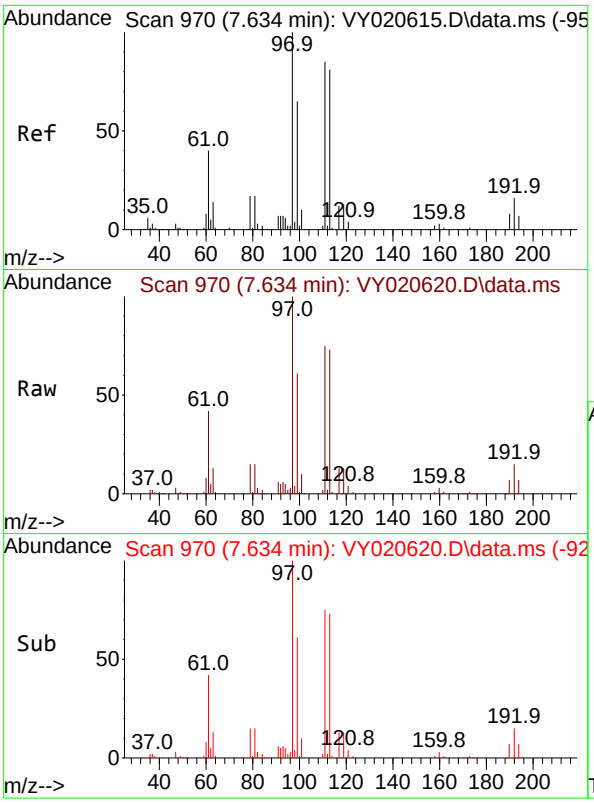


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



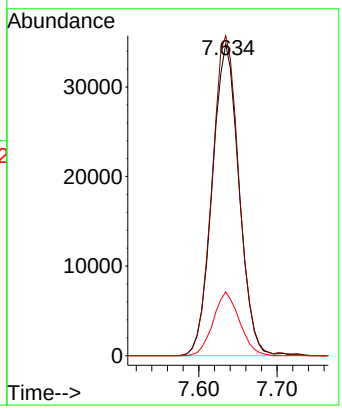


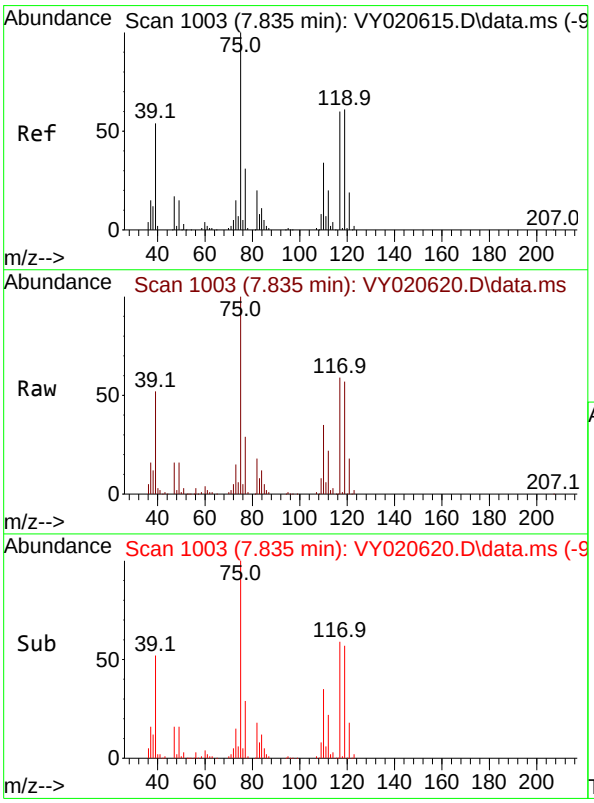
#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

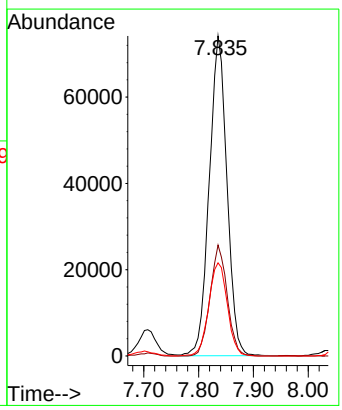


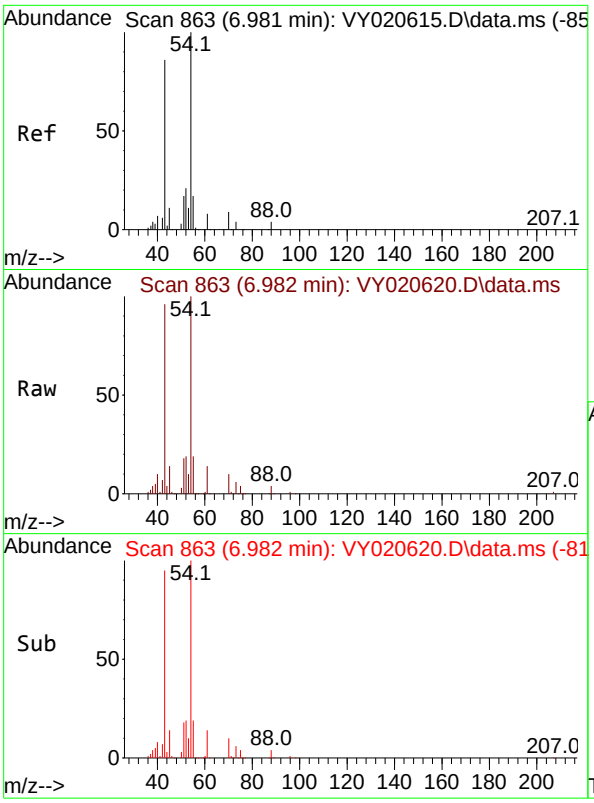


#36
1,1-Dichloropropene
Concen: 49.418 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



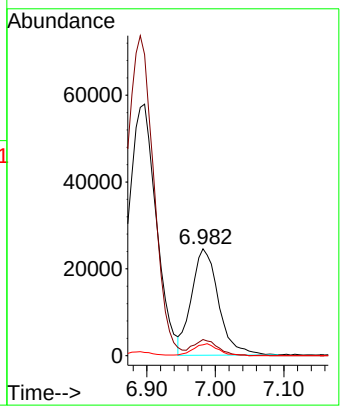


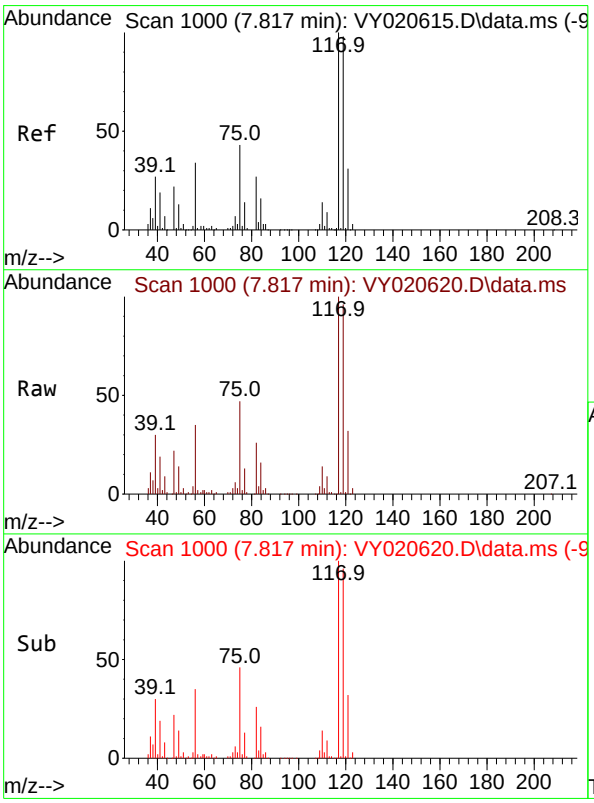
#37
Ethyl Acetate
Concen: 42.490 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

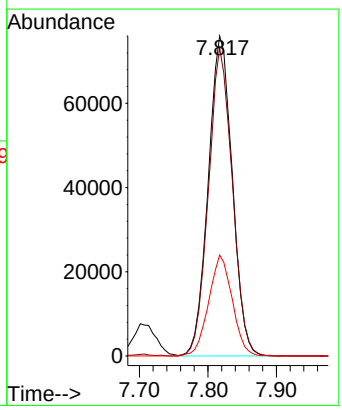


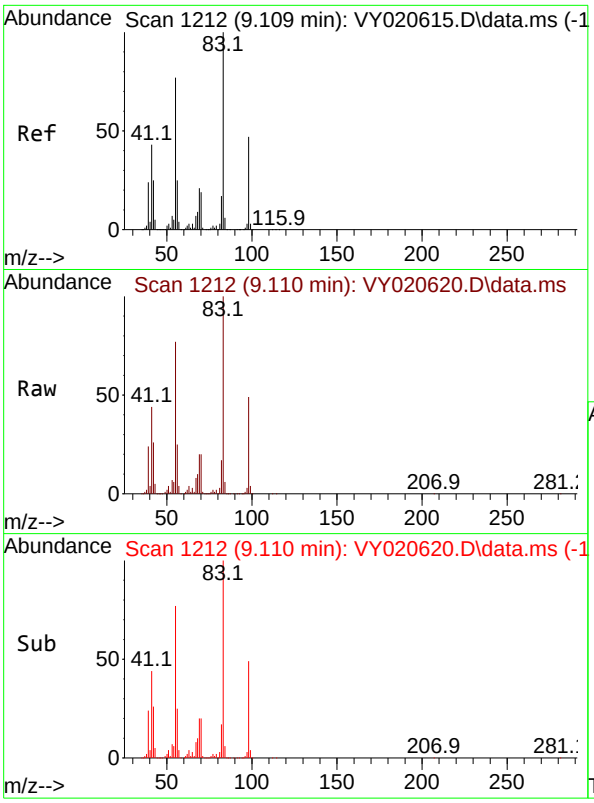


#38
Carbon Tetrachloride
Concen: 49.800 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



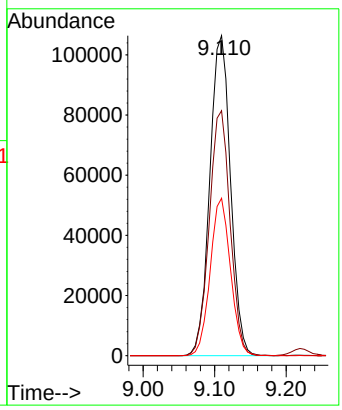


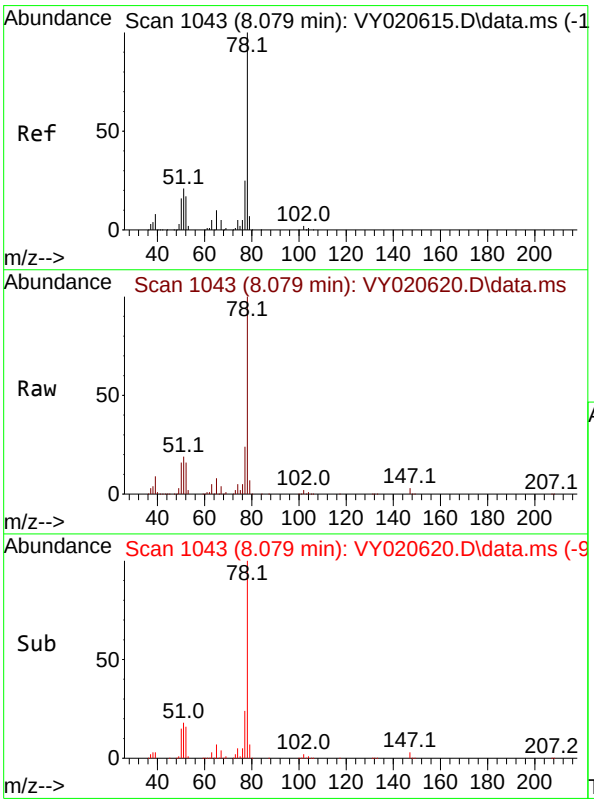
#39
Methylcyclohexane
Concen: 48.913 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

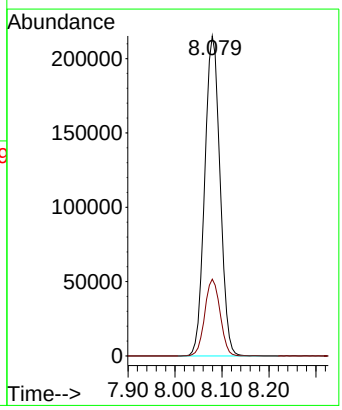


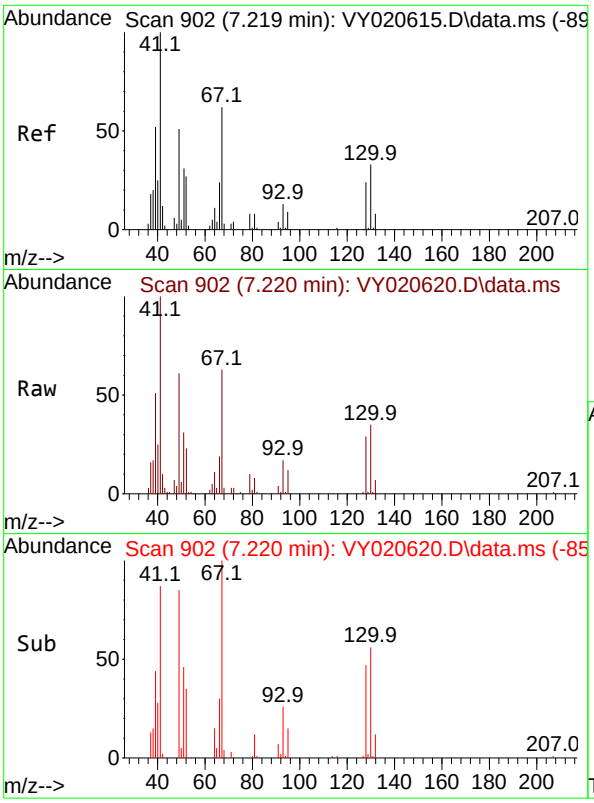


#40
Benzene
Concen: 49.357 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 78 Resp: 486468

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



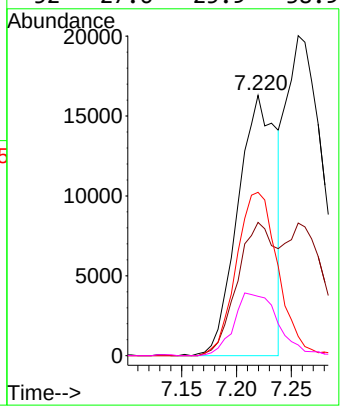


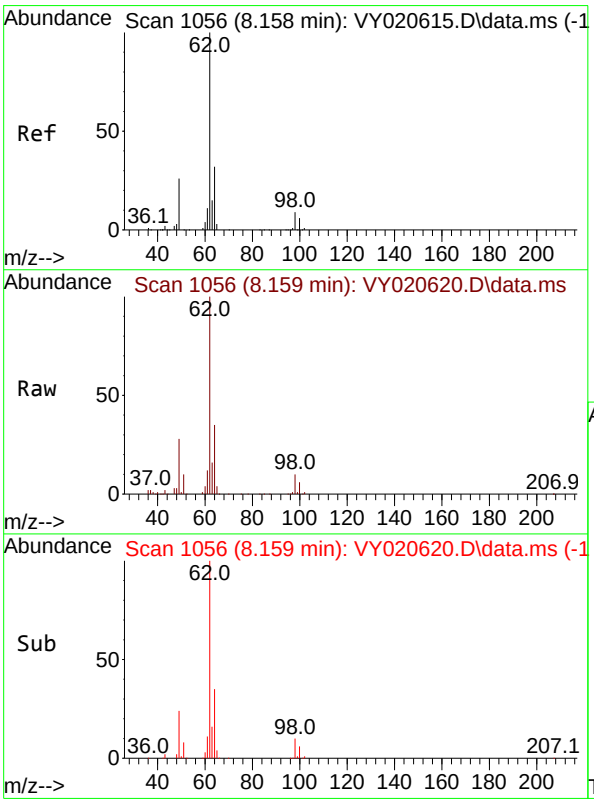
#41
Methacrylonitrile
Concen: 47.631 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

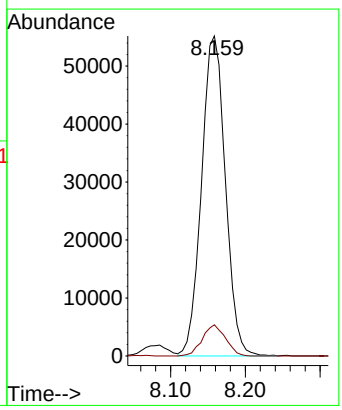


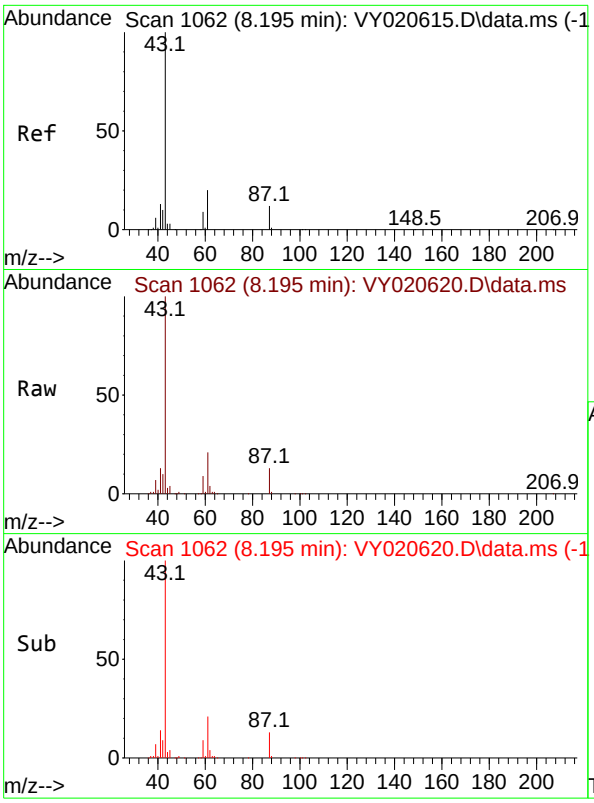


#42
1,2-Dichloroethane
Concen: 46.869 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 122520

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0



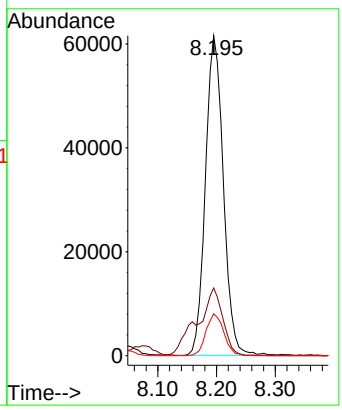


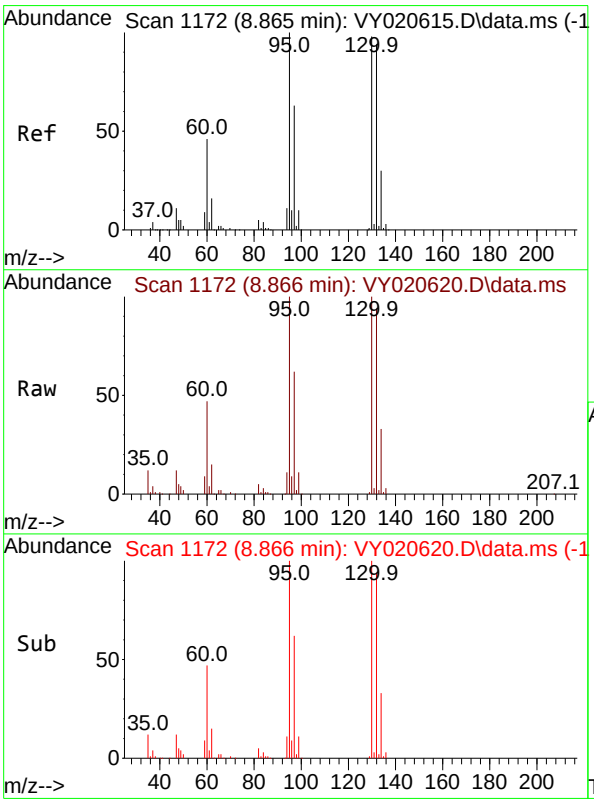
#43
Isopropyl Acetate
Concen: 43.528 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

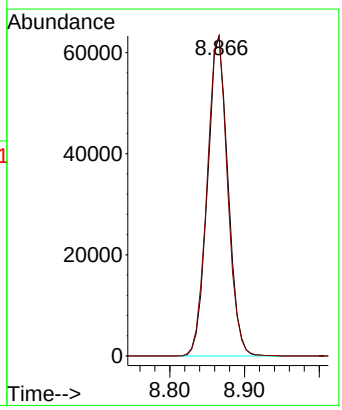


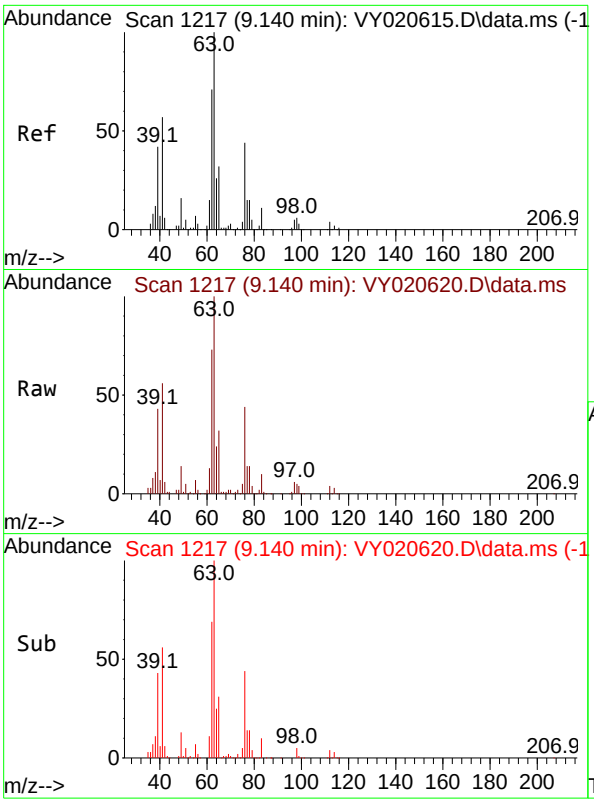


#44
Trichloroethene
Concen: 49.555 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:130 Resp: 120014

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.2



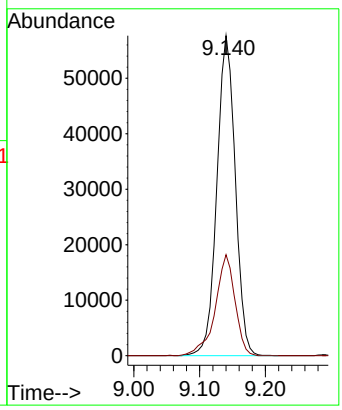


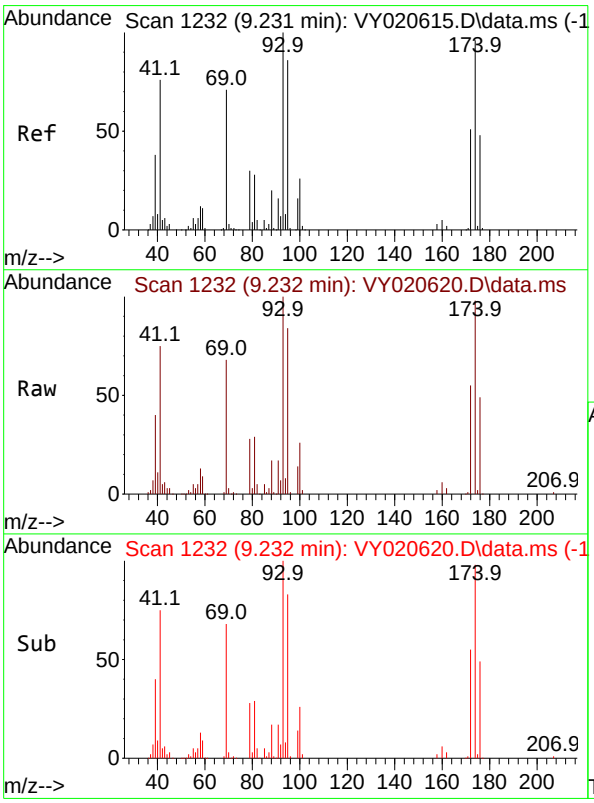
#45
1,2-Dichloropropane
Concen: 48.695 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 63 Resp: 112171

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9

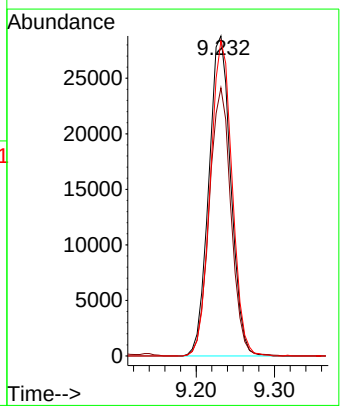


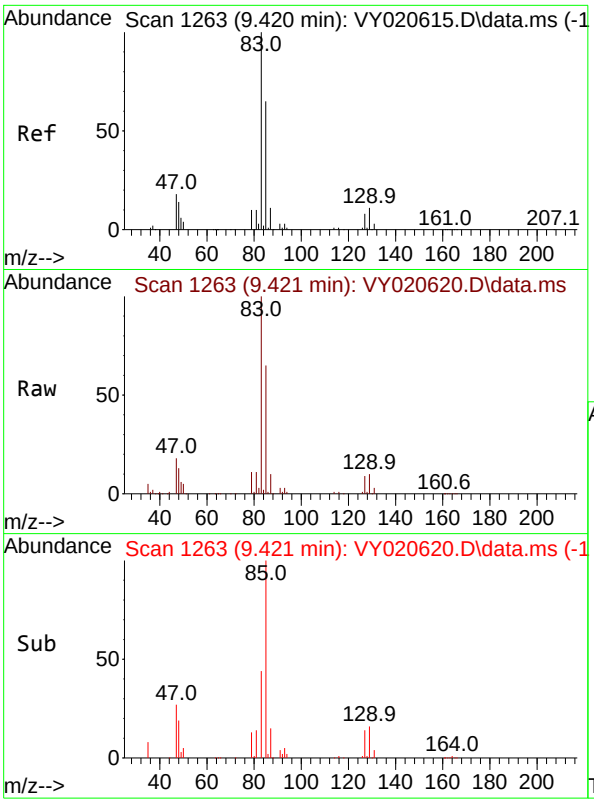


#46
Dibromomethane
Concen: 46.265 ug/l
RT: 9.232 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



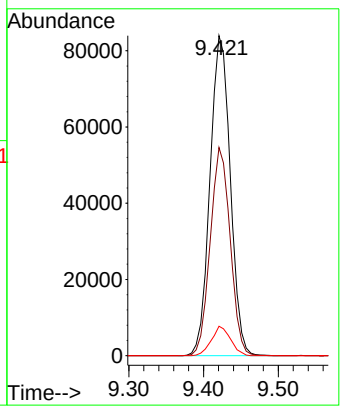


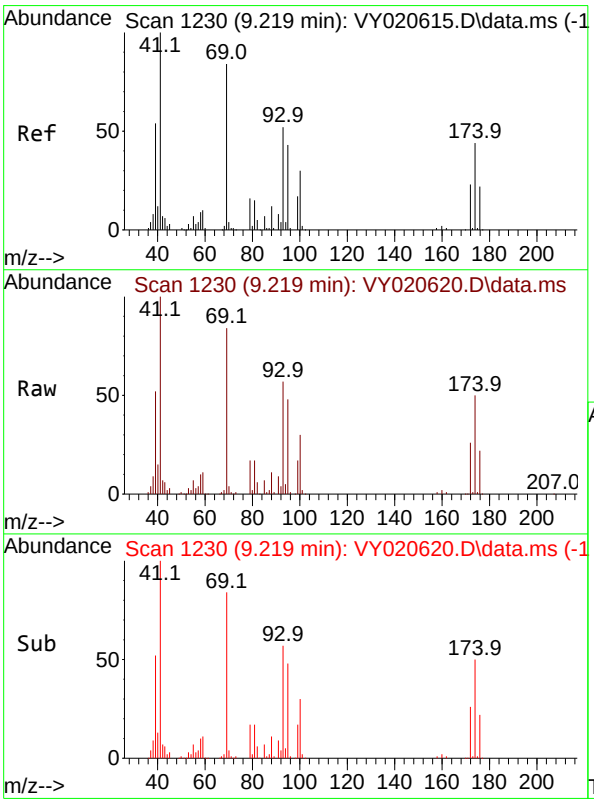
#47
Bromodichloromethane
Concen: 48.208 ug/l
RT: 9.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

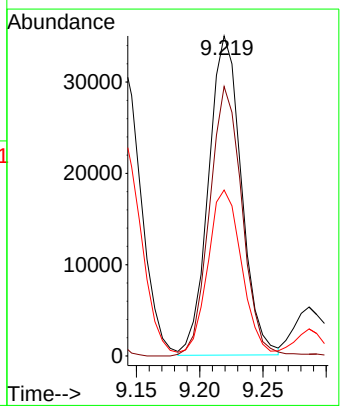


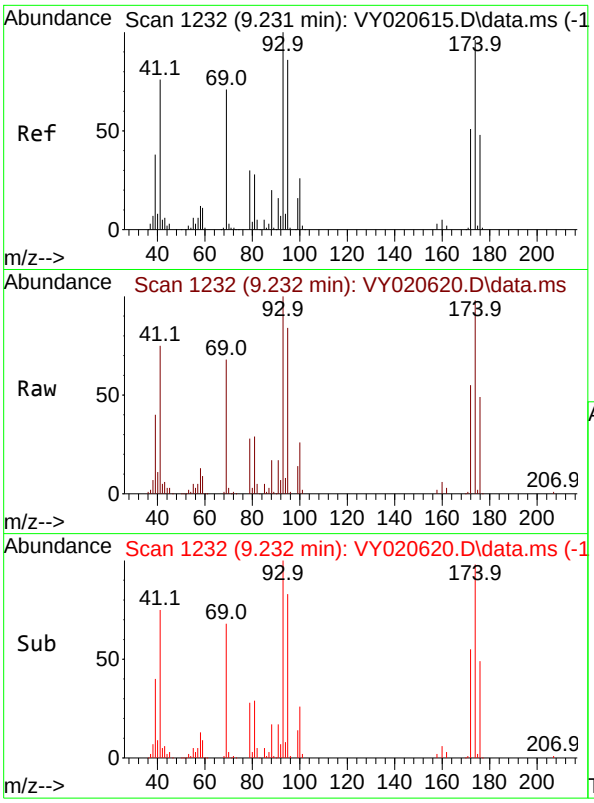


#48
Methyl methacrylate
Concen: 44.268 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



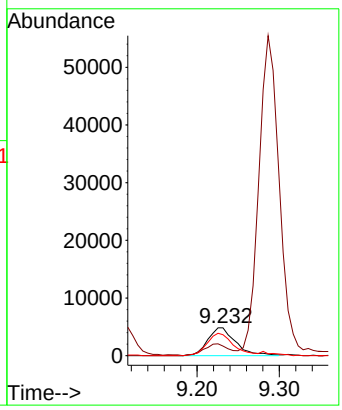


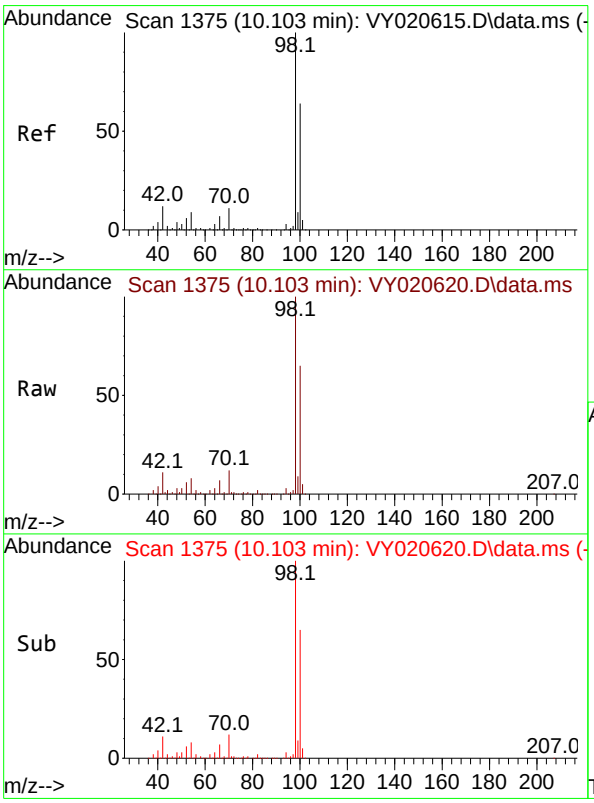
#49
1,4-Dioxane
Concen: 816.119 ug/l
RT: 9.232 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

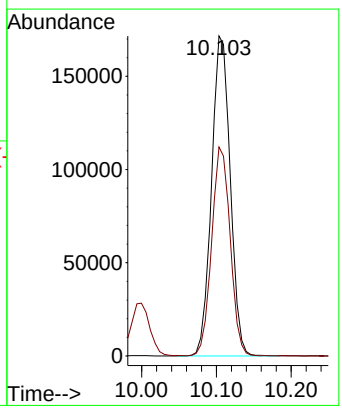


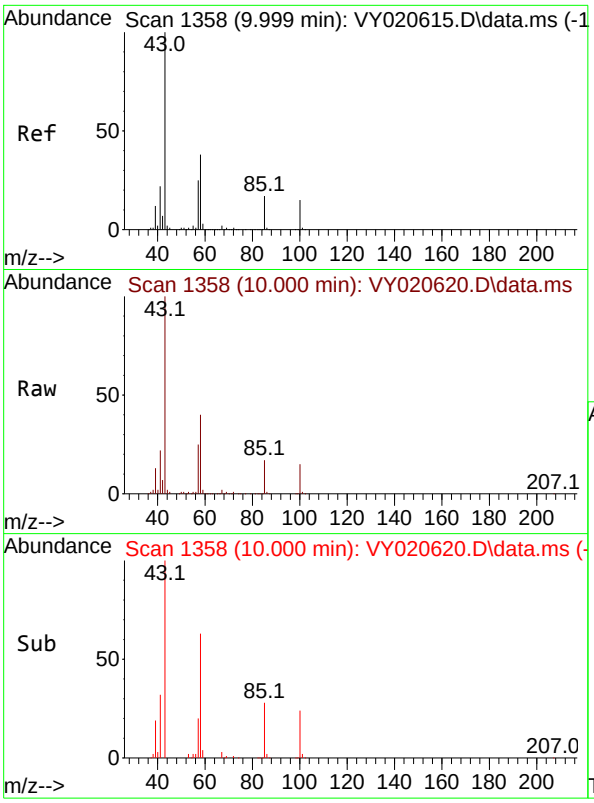


#50
Toluene-d8
Concen: 46.169 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 98 Resp: 297999

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



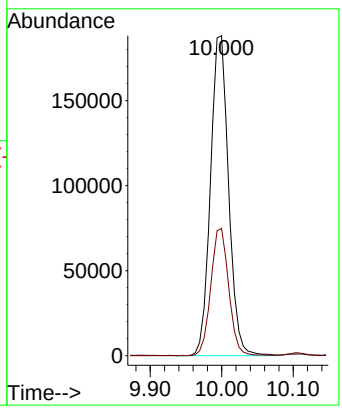


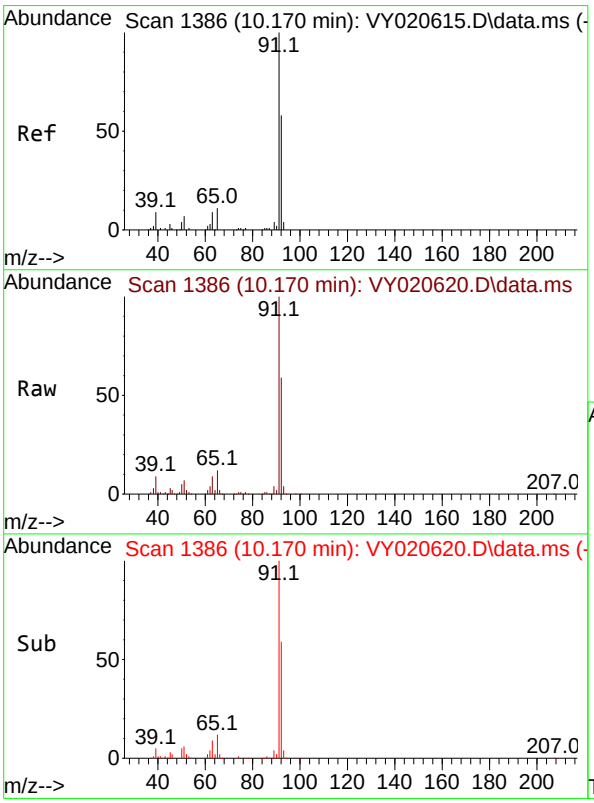
#51
4-Methyl-2-Pentanone
Concen: 209.670 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 331396

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

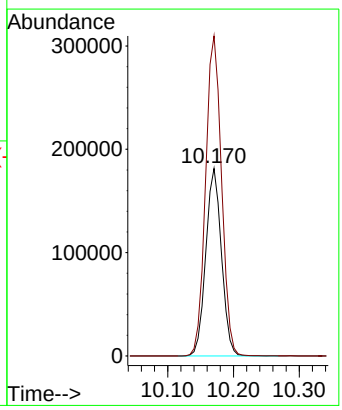


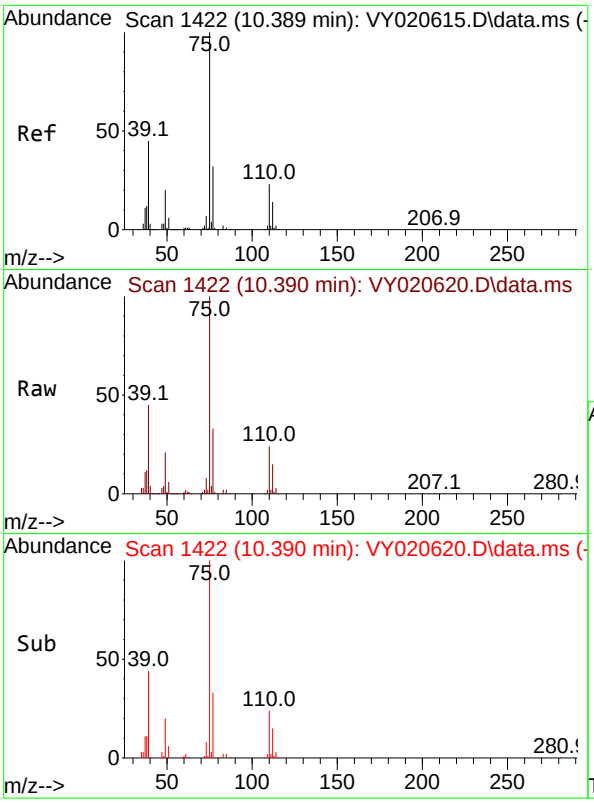


#52
Toluene
Concen: 49.073 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 92 Resp: 300584

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.4	206.0



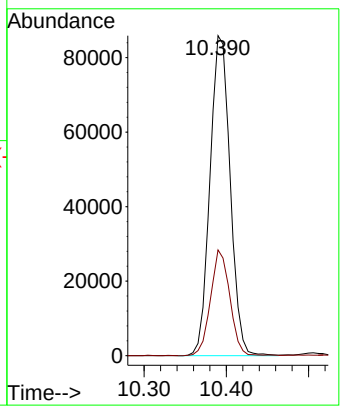


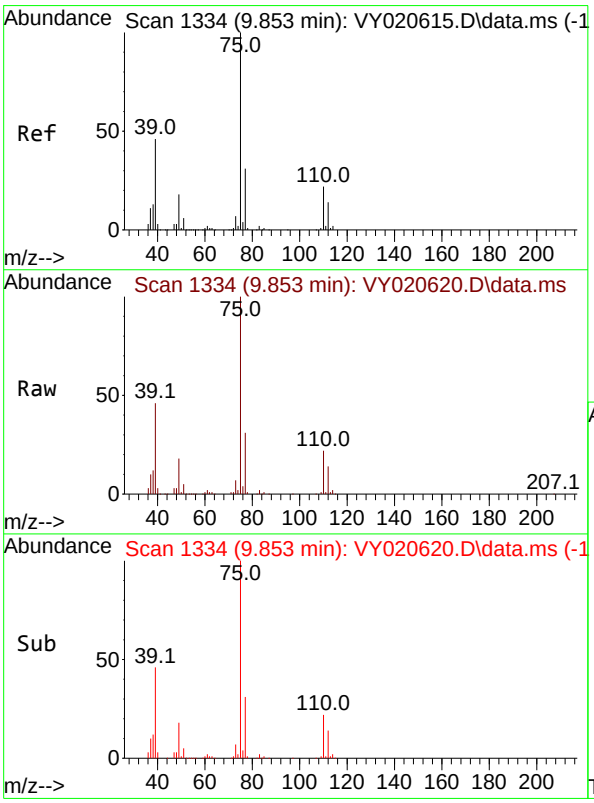
#53
t-1,3-Dichloropropene
Concen: 47.810 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 75 Resp: 146498

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2

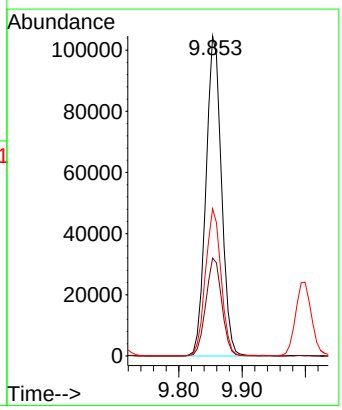


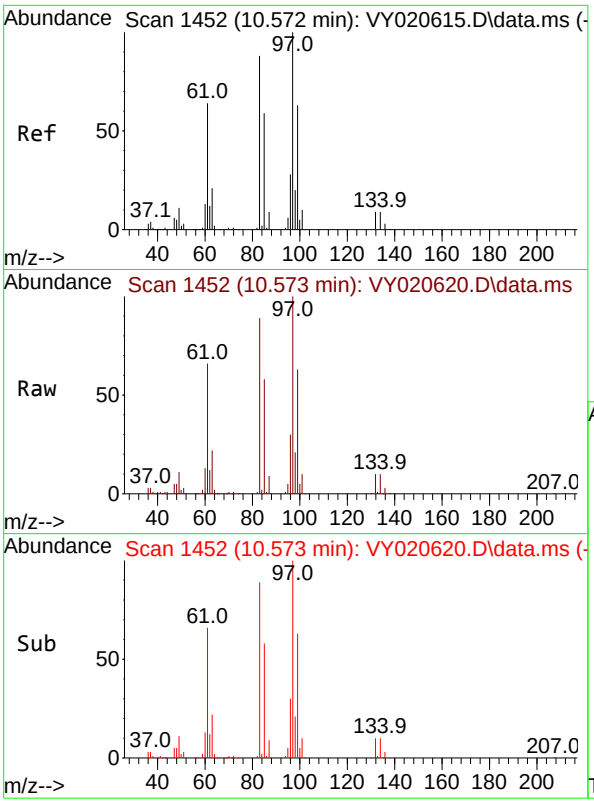


#54
cis-1,3-Dichloropropene
Concen: 49.184 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



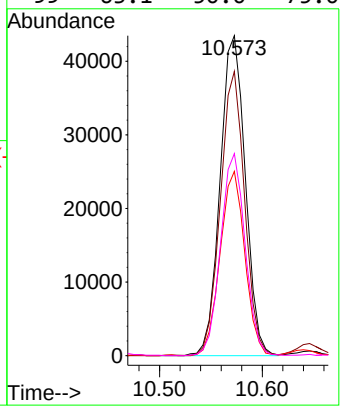


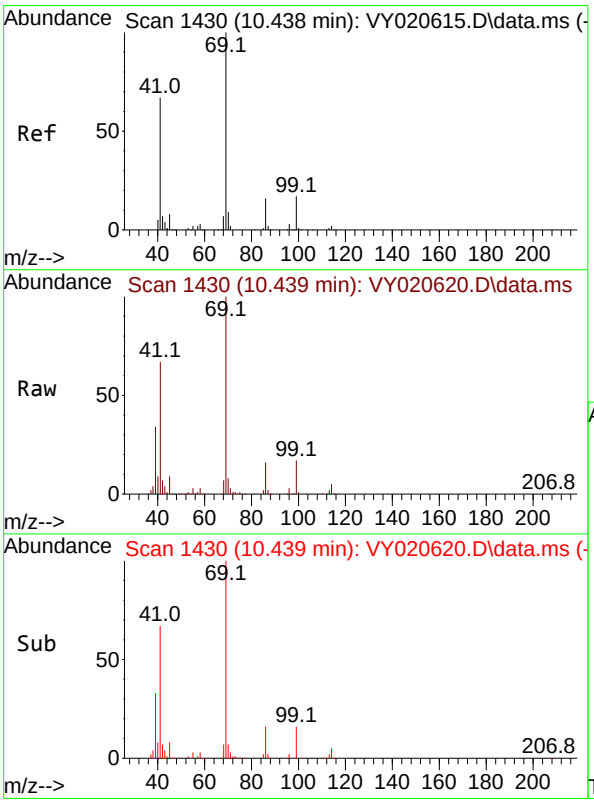
#55
1,1,2-Trichloroethane
Concen: 45.952 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

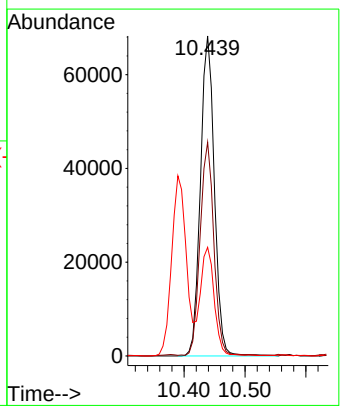


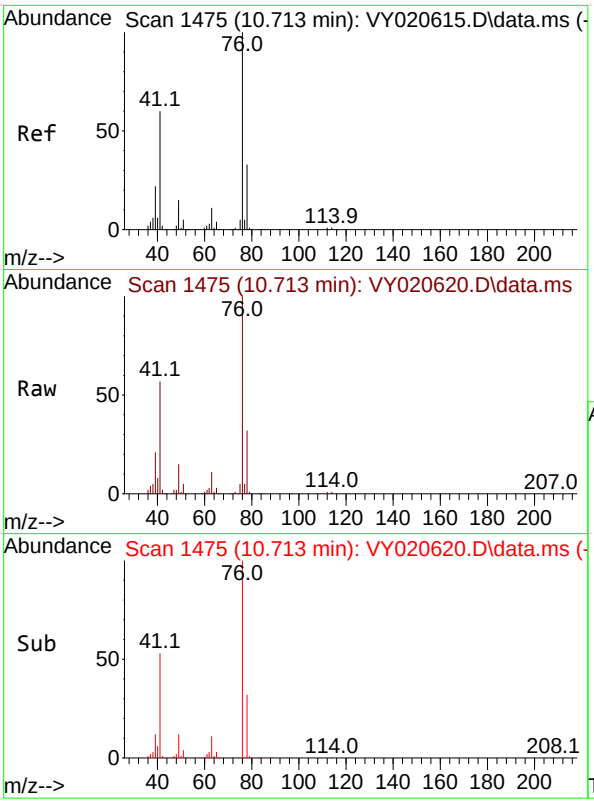


#56
Ethyl methacrylate
Concen: 46.525 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



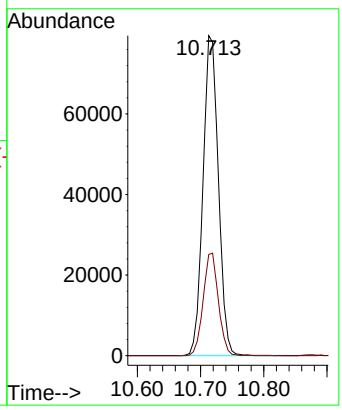


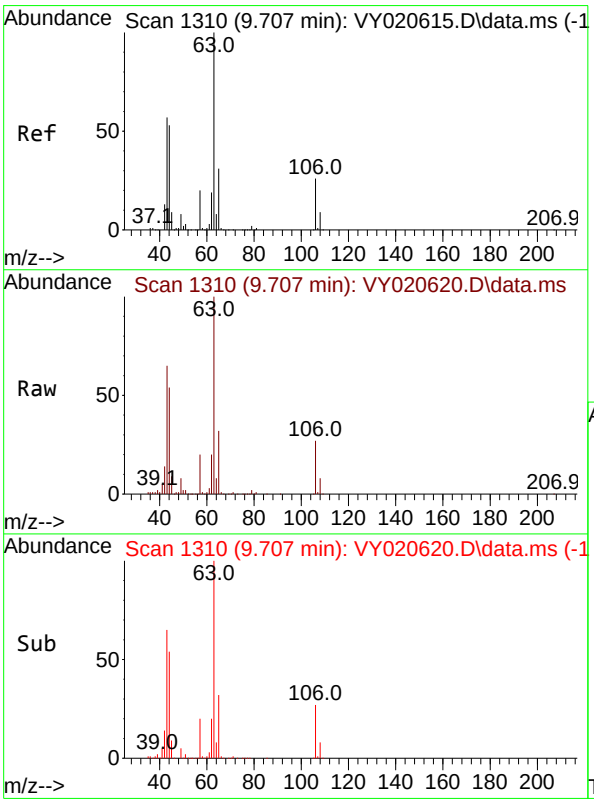
#57
1,3-Dichloropropane
Concen: 46.882 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 76 Resp: 134515

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

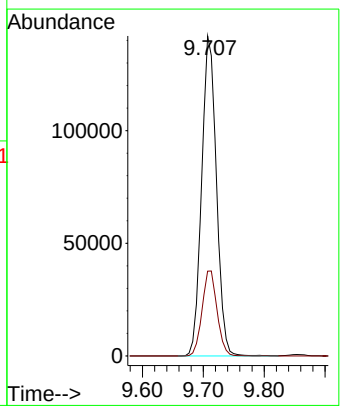


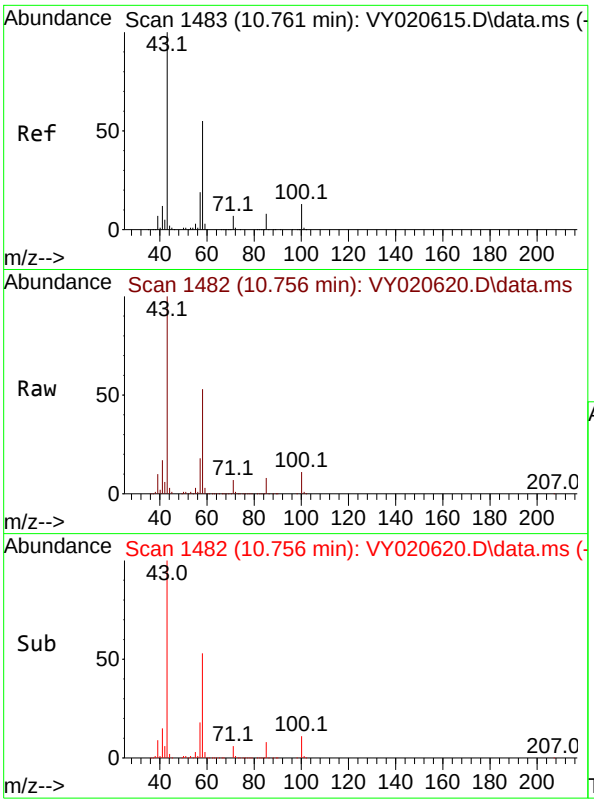


#58
2-Chloroethyl Vinyl ether
Concen: 243.610 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 239347

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



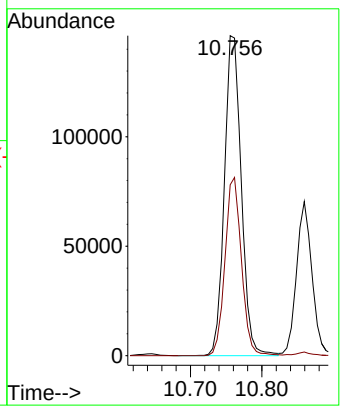


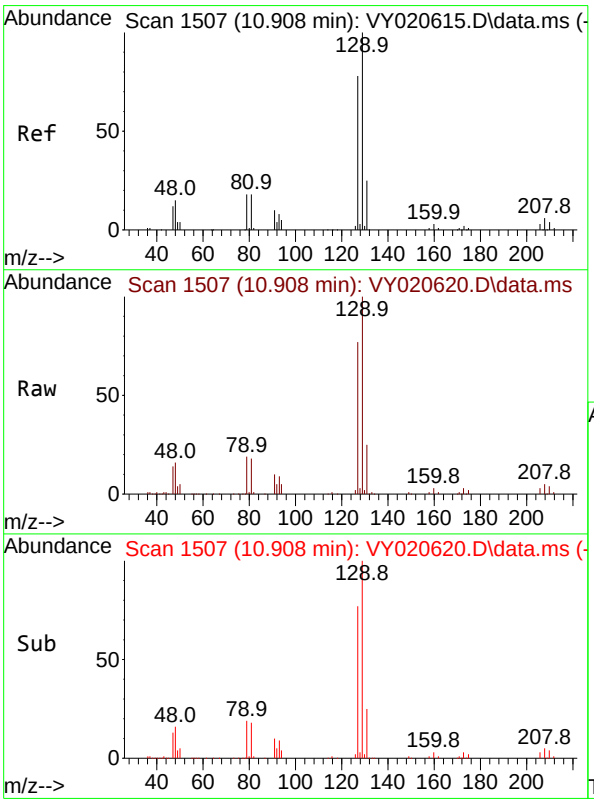
#59
2-Hexanone
Concen: 236.822 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 240324

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.2	81.6

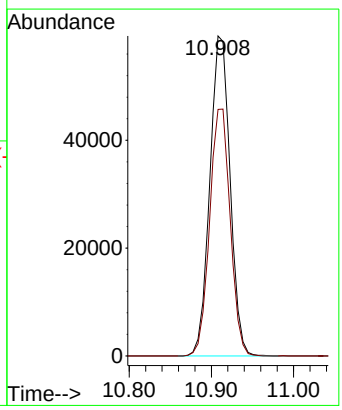


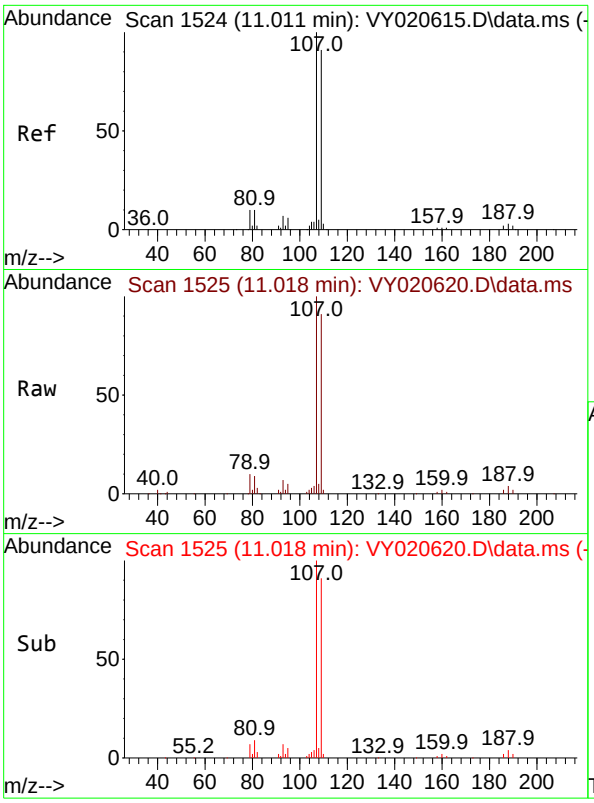


#60
Dibromochloromethane
Concen: 47.121 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:129 Resp: 101431

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.1	114.3



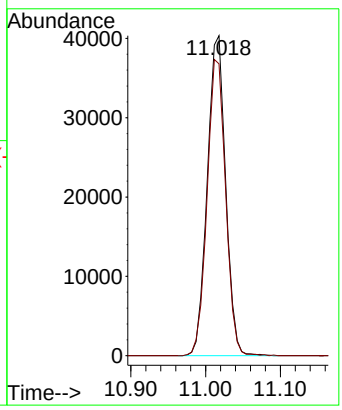


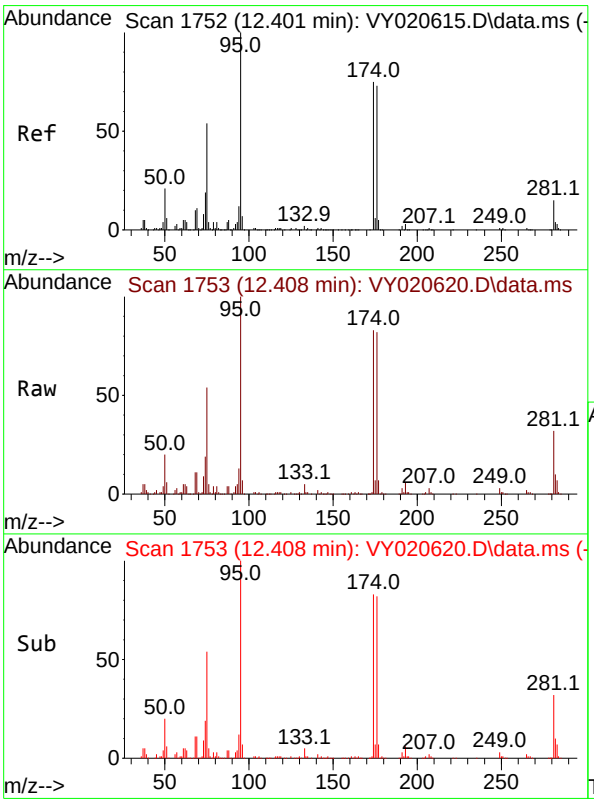
#61
1,2-Dibromoethane
Concen: 45.952 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:107 Resp: 68798

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

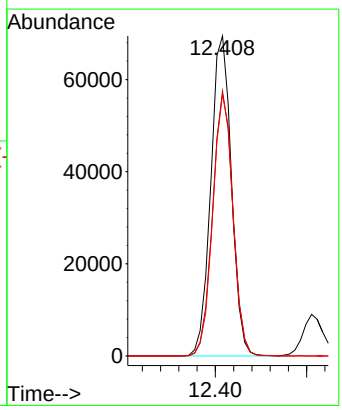


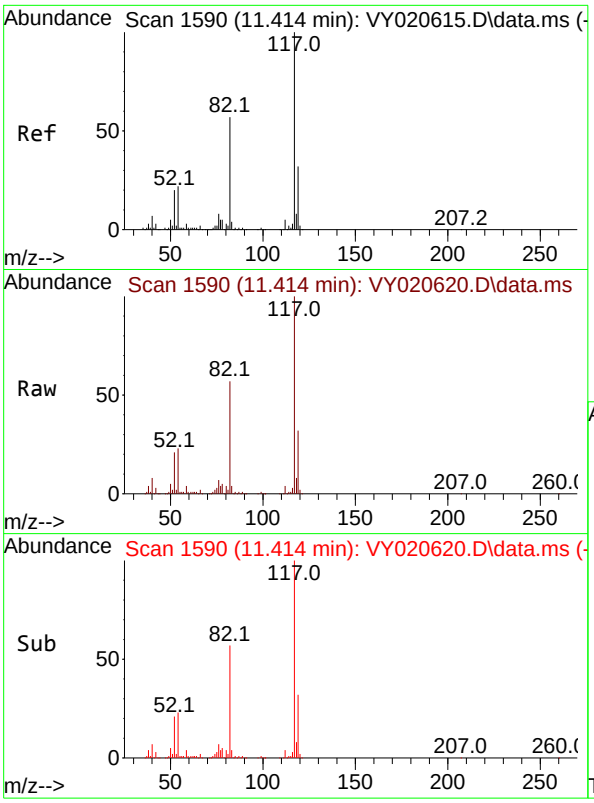


#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



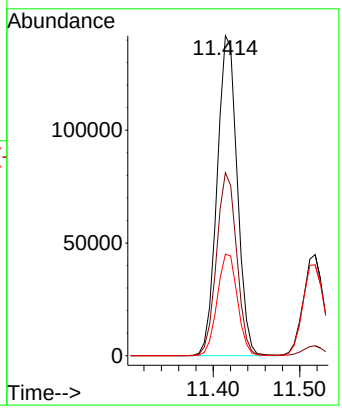


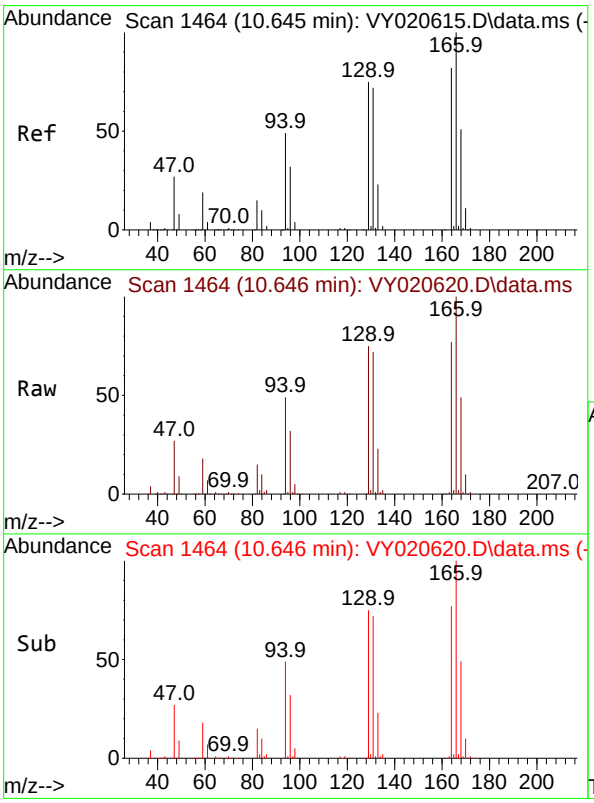
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

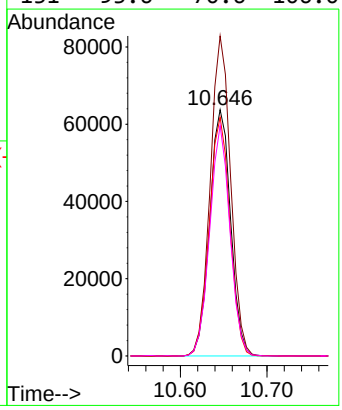


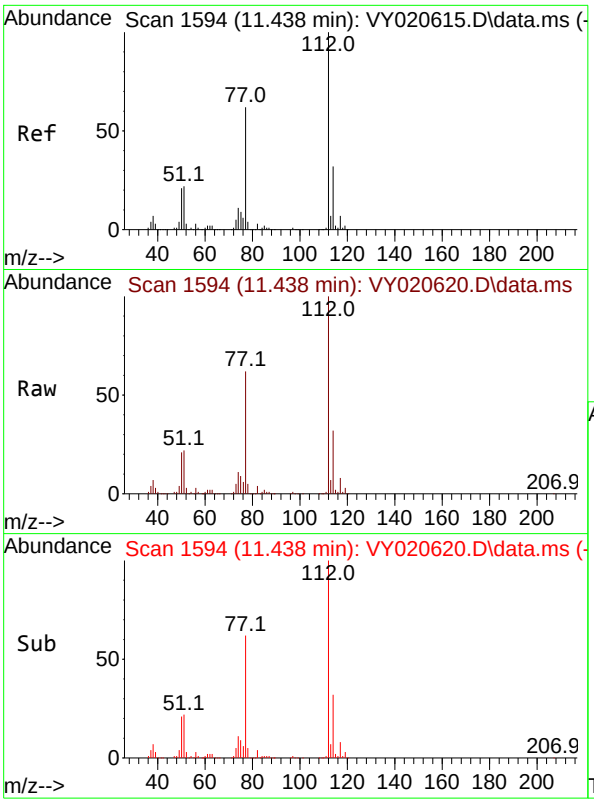


#64
Tetrachloroethene
Concen: 49.626 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



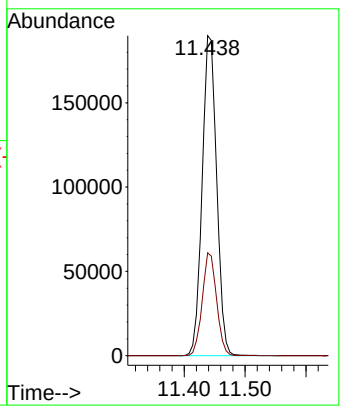


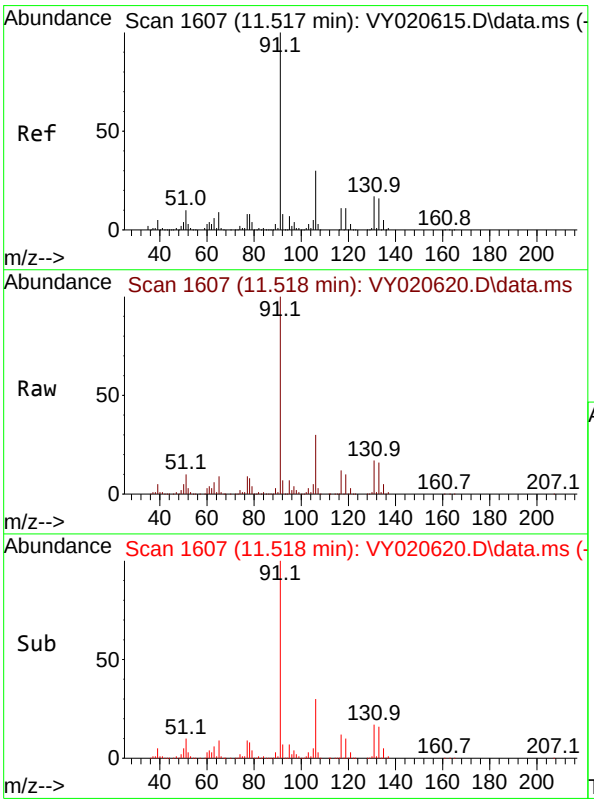
#65
Chlorobenzene
Concen: 48.986 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:112 Resp: 313945

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

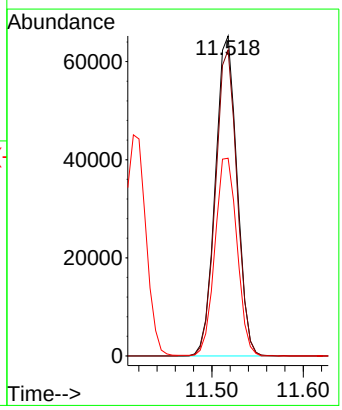


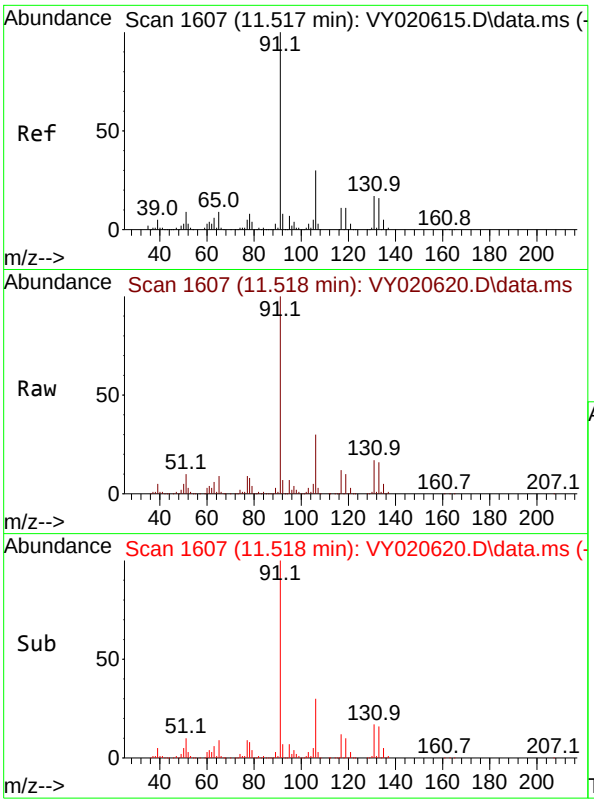


#66
1,1,1,2-Tetrachloroethane
Concen: 49.083 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



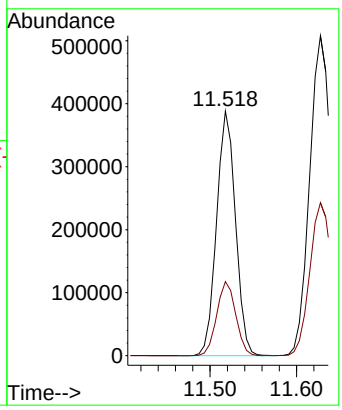


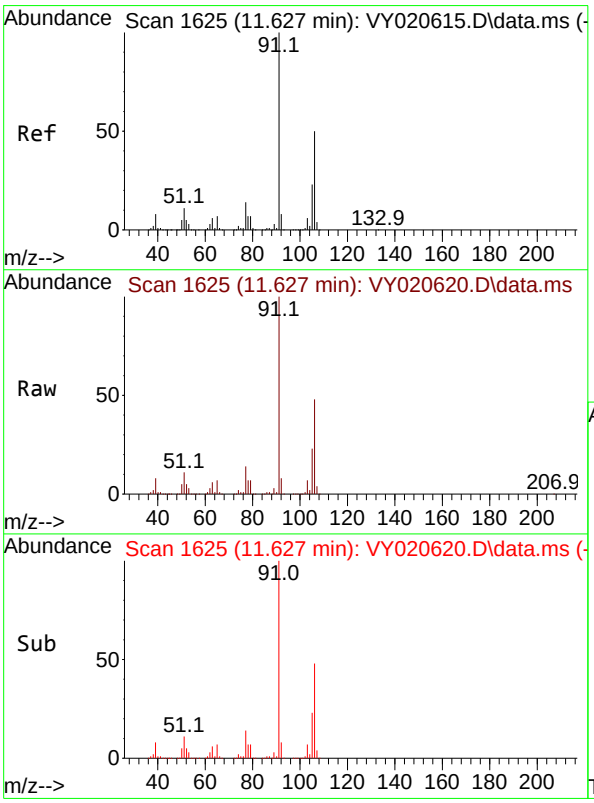
#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 91 Resp: 588990

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9

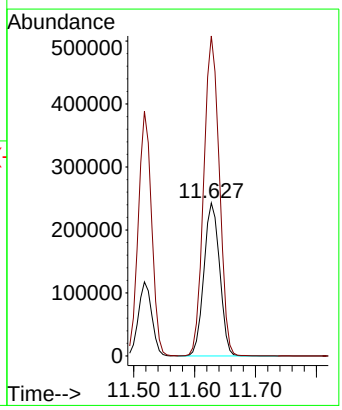


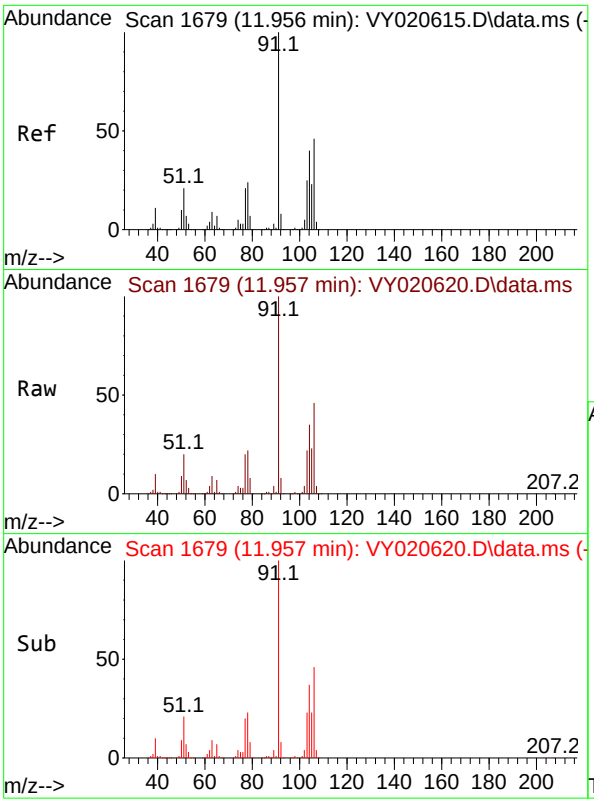


#68
m/p-Xylenes
Concen: 99.430 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:106 Resp: 437108

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4



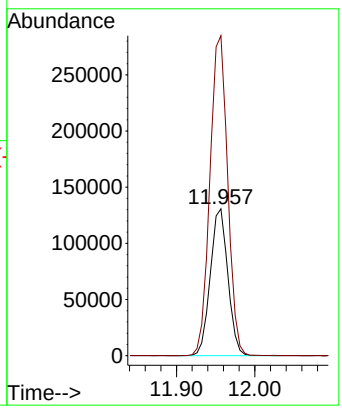


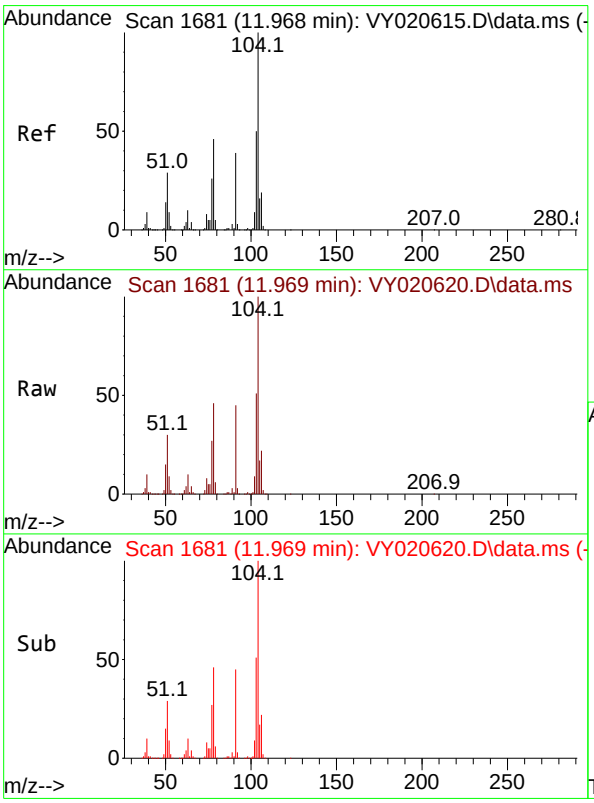
#69
o-Xylene
Concen: 49.568 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:106 Resp: 203316

Ion	Ratio	Lower	Upper
106	100		
91	220.3	108.4	325.2

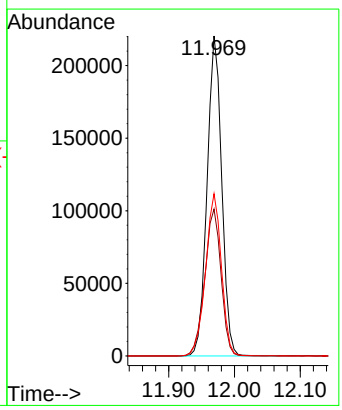


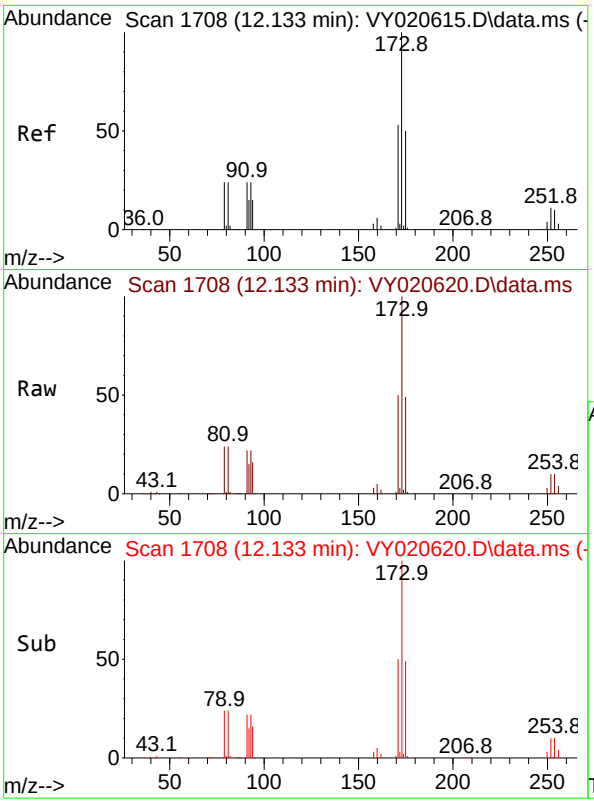


#70
Styrene
Concen: 49.827 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



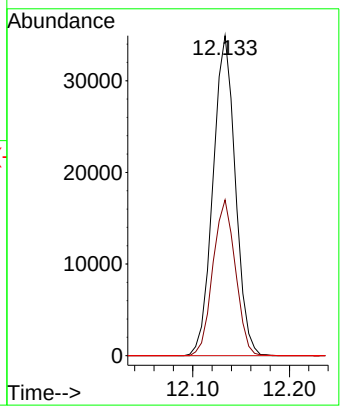


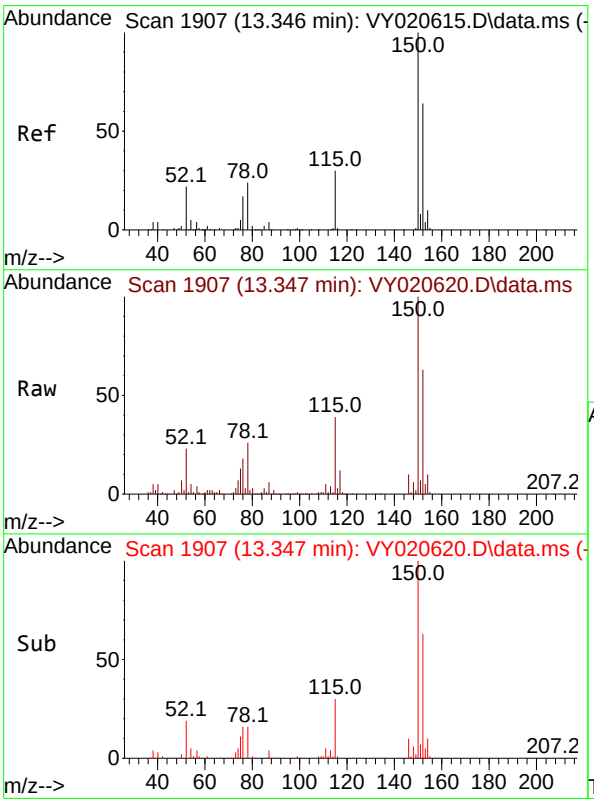
#71
Bromoform
Concen: 45.451 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

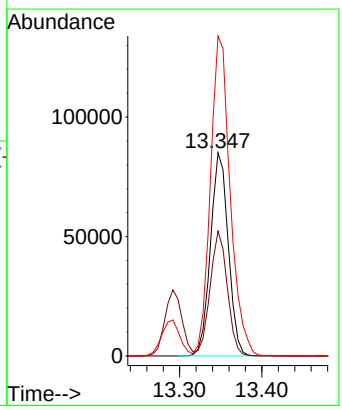


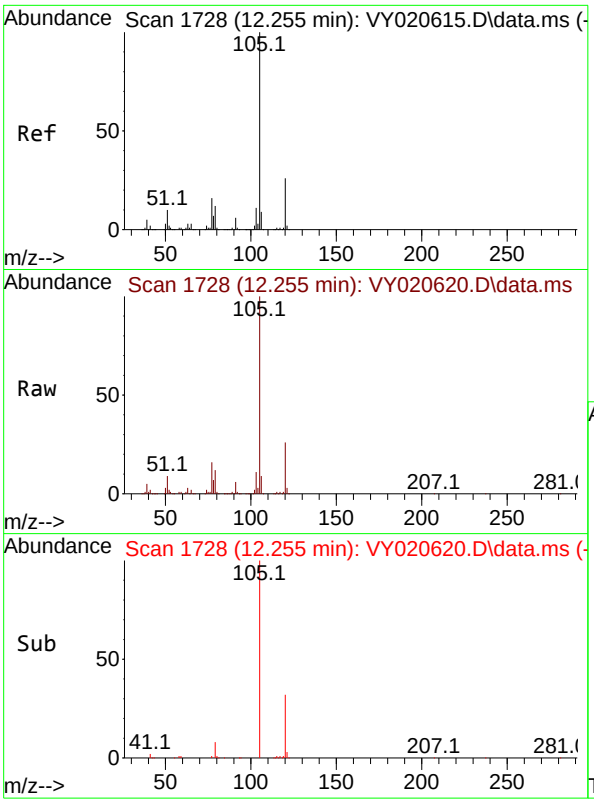


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



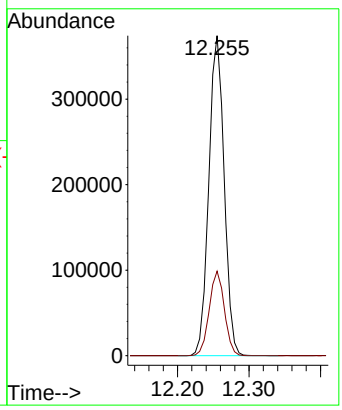


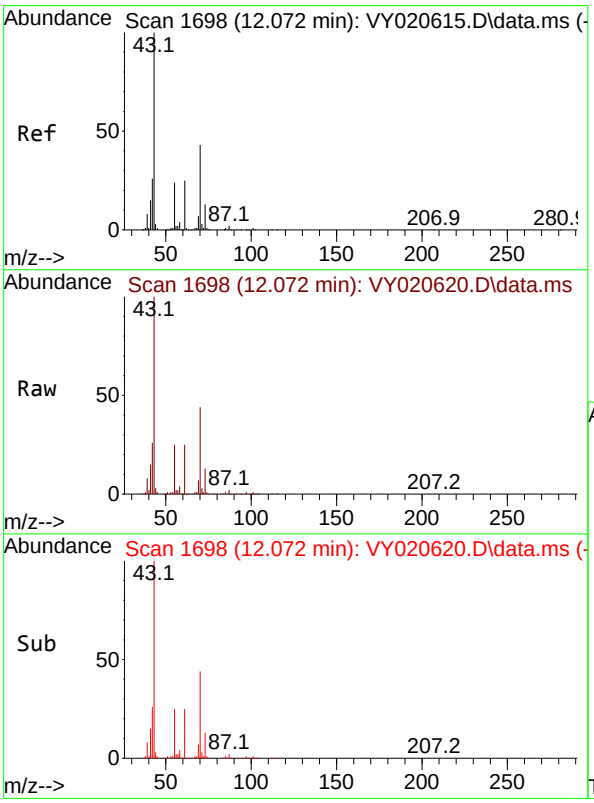
#73
Isopropylbenzene
Concen: 49.908 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:105 Resp: 556414

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

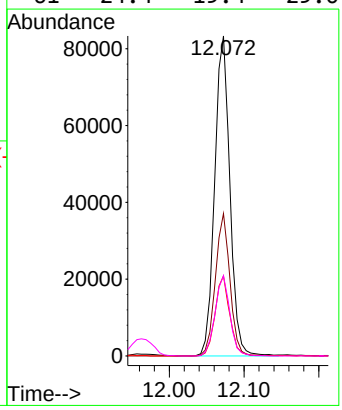


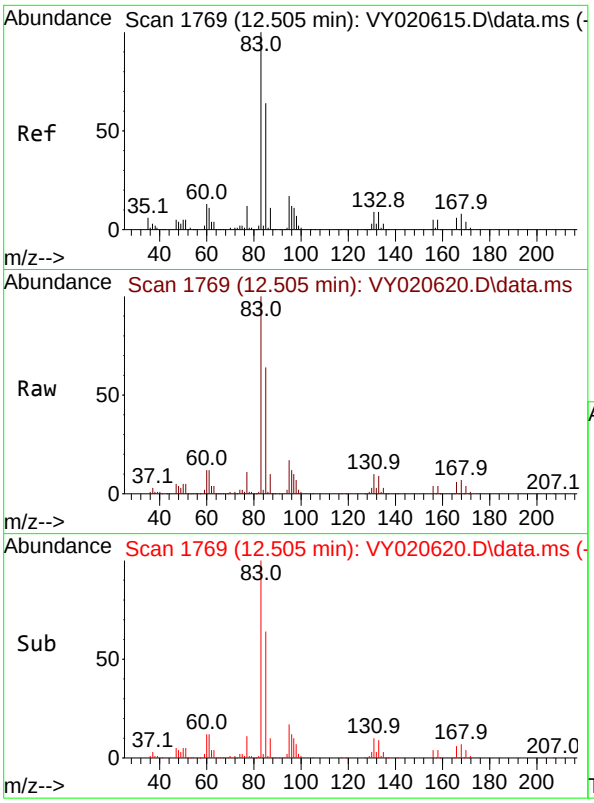


#74
N-amyl acetate
Concen: 45.328 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



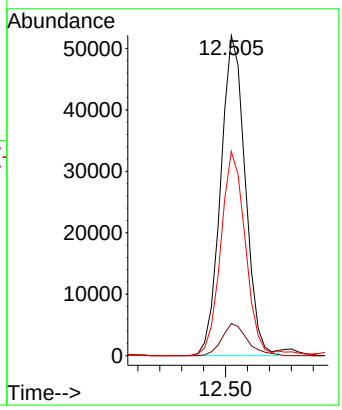


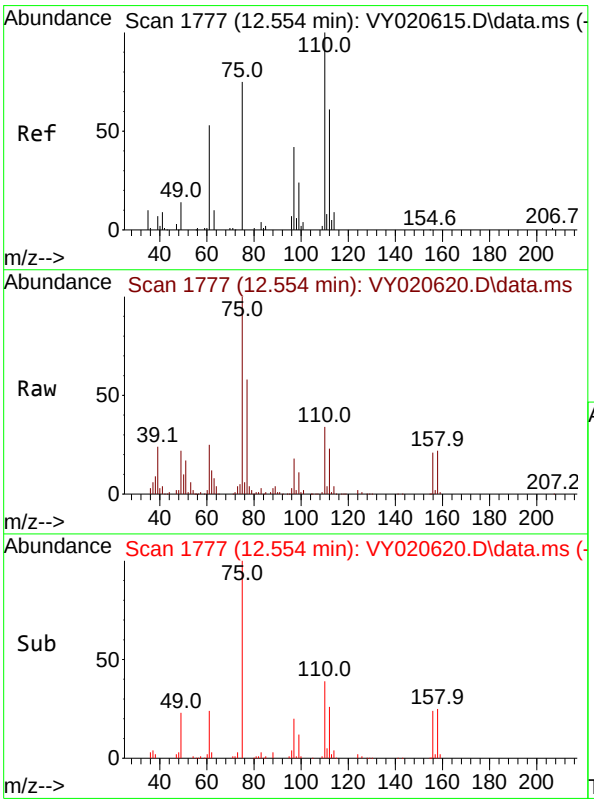
#75
1,1,2,2-Tetrachloroethane
Concen: 44.824 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

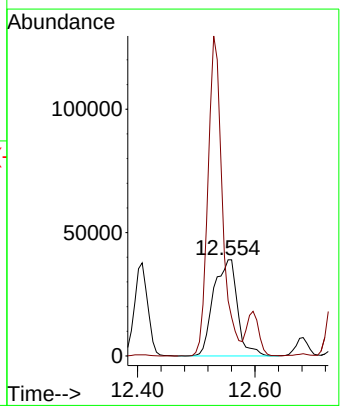


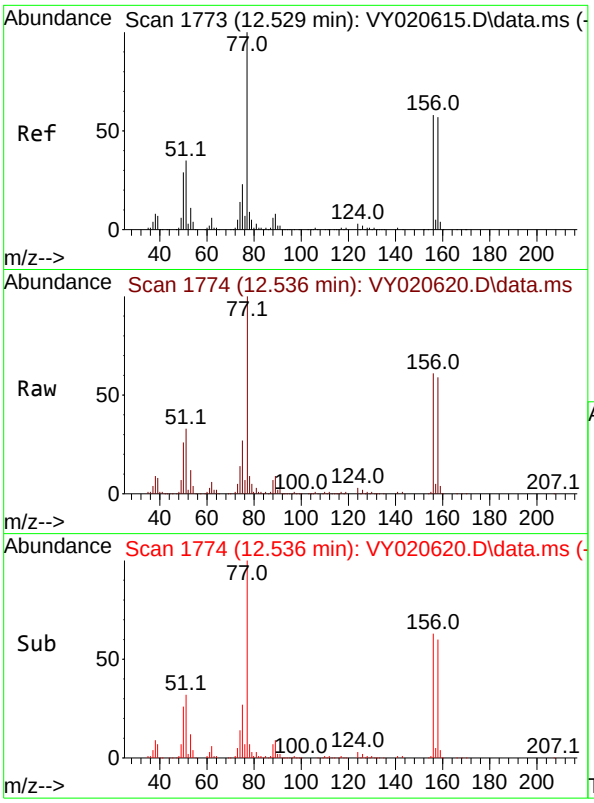


#76
1,2,3-Trichloropropane
Concen: 82.838 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 109938

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



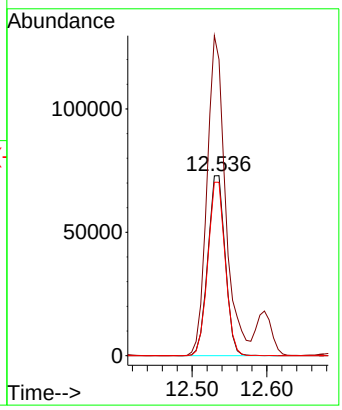


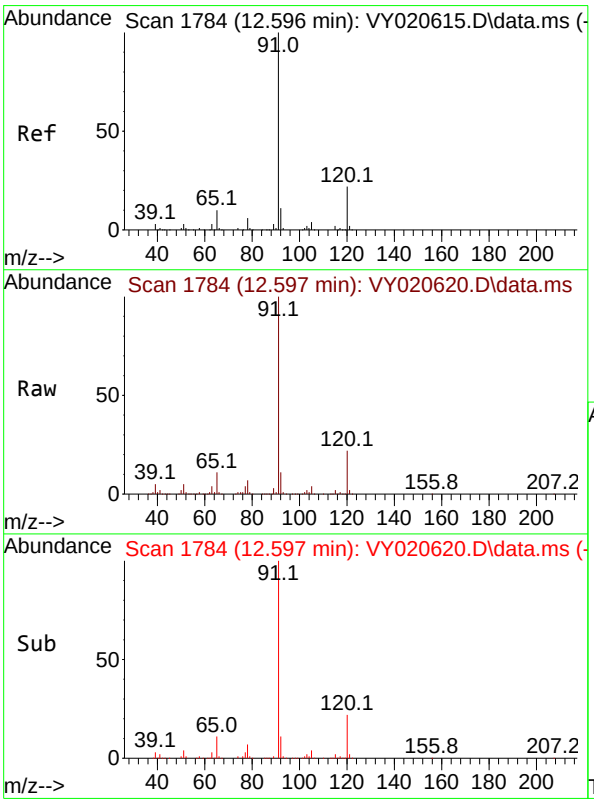
#77
Bromobenzene
Concen: 48.267 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

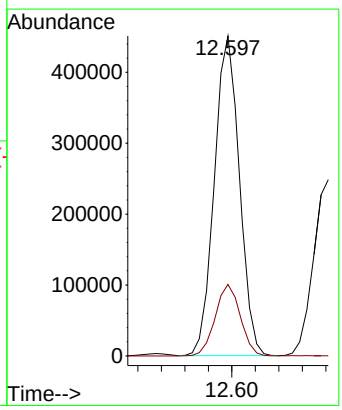


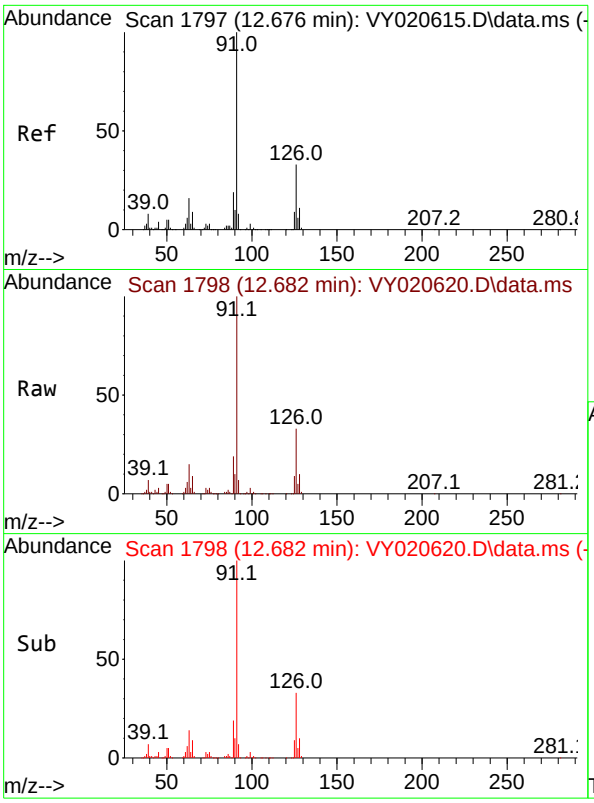


#78
n-propylbenzene
Concen: 49.775 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 668577

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



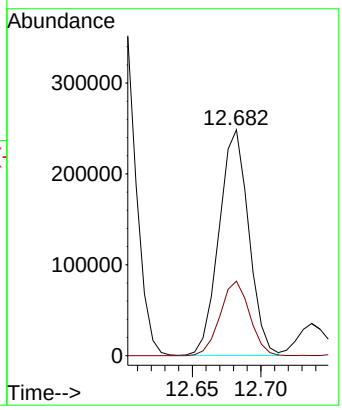


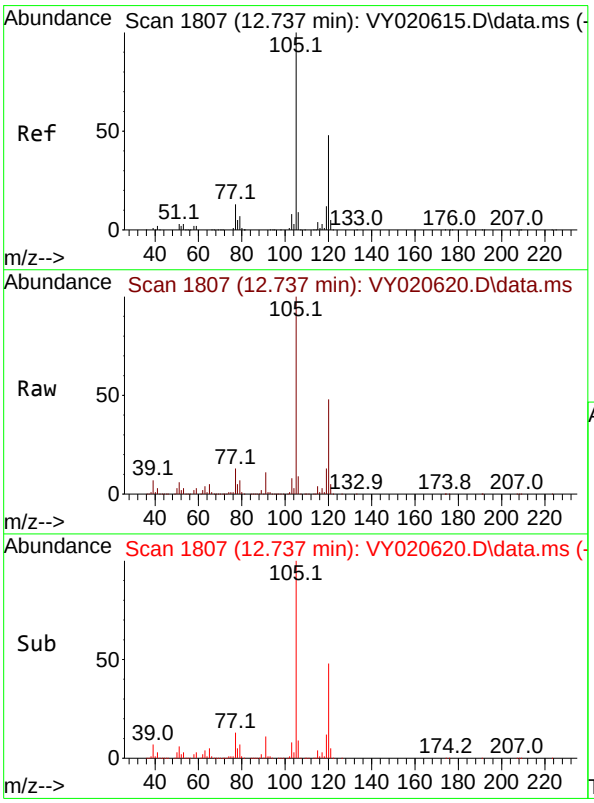
#79
2-Chlorotoluene
Concen: 49.628 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 91 Resp: 375047

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7

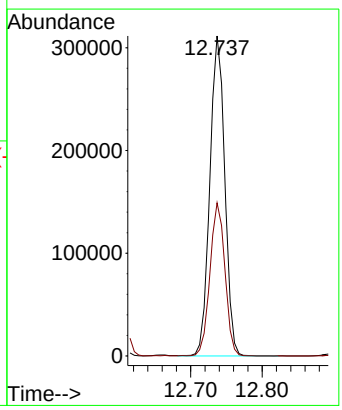


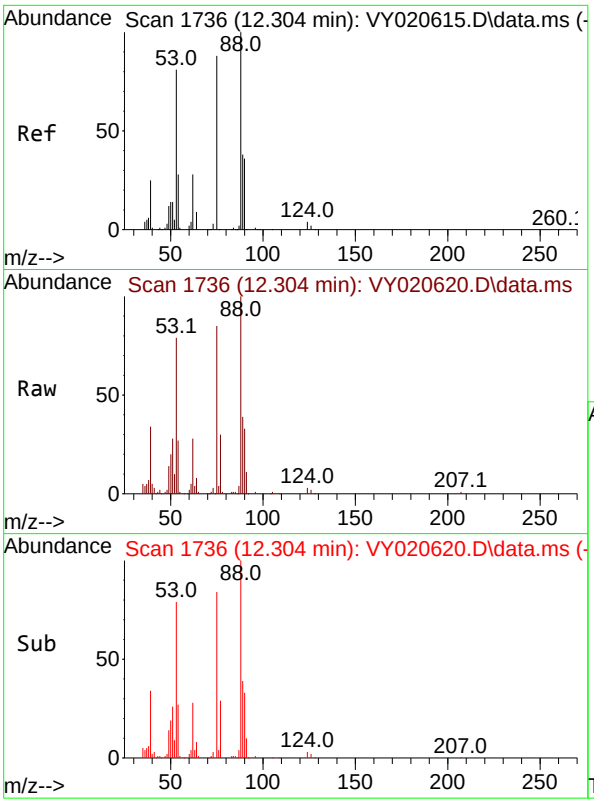


#80
1,3,5-Trimethylbenzene
Concen: 49.995 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 452266

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



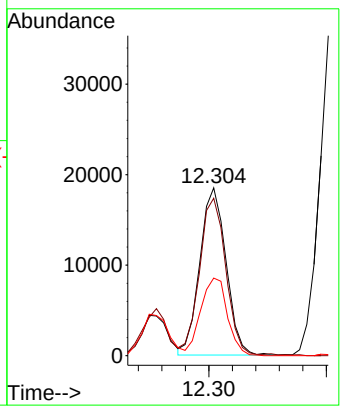


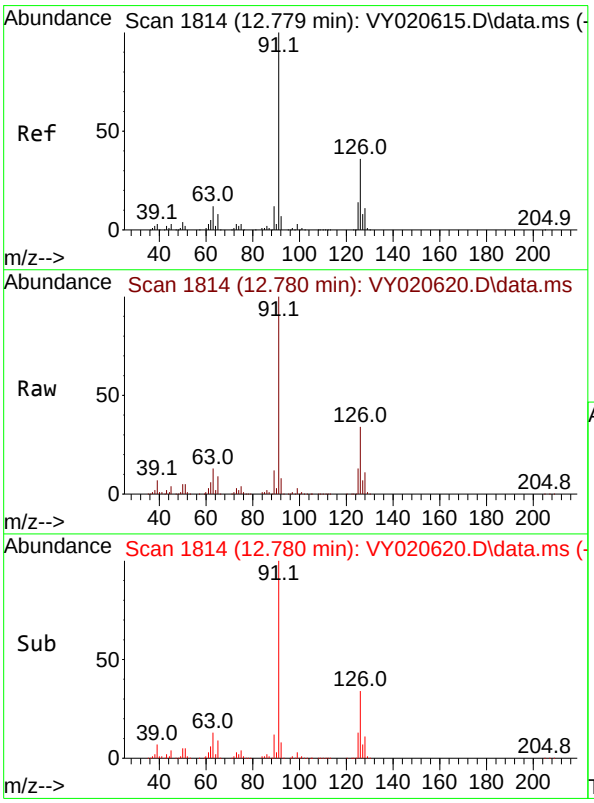
#81
trans-1,4-Dichloro-2-butene
Concen: 45.313 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

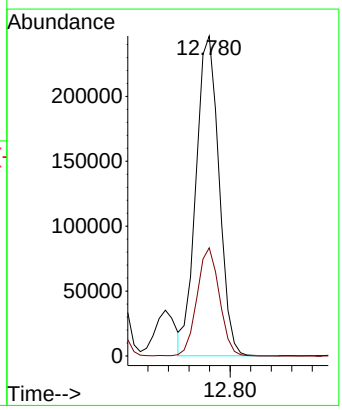


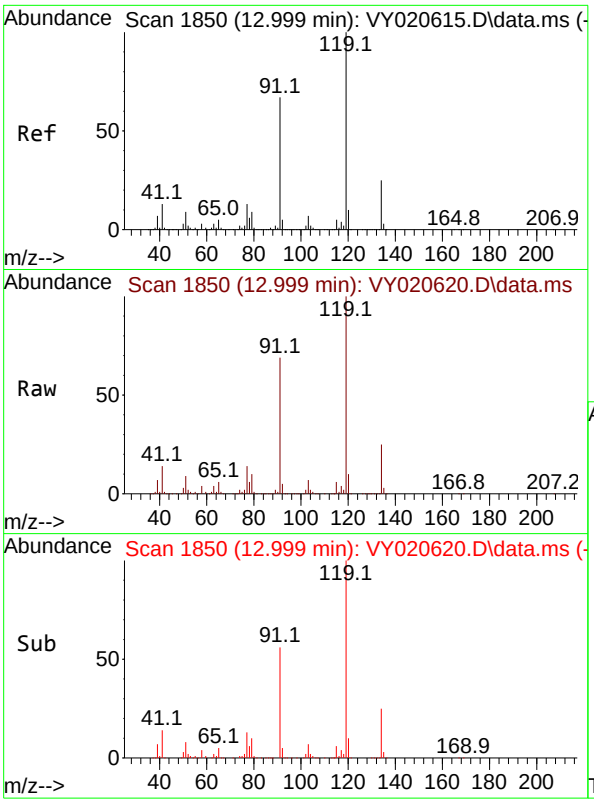


#82
4-Chlorotoluene
Concen: 48.929 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 383617

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7



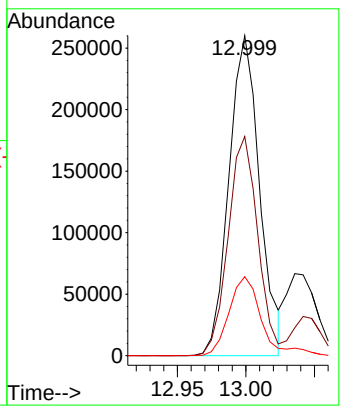


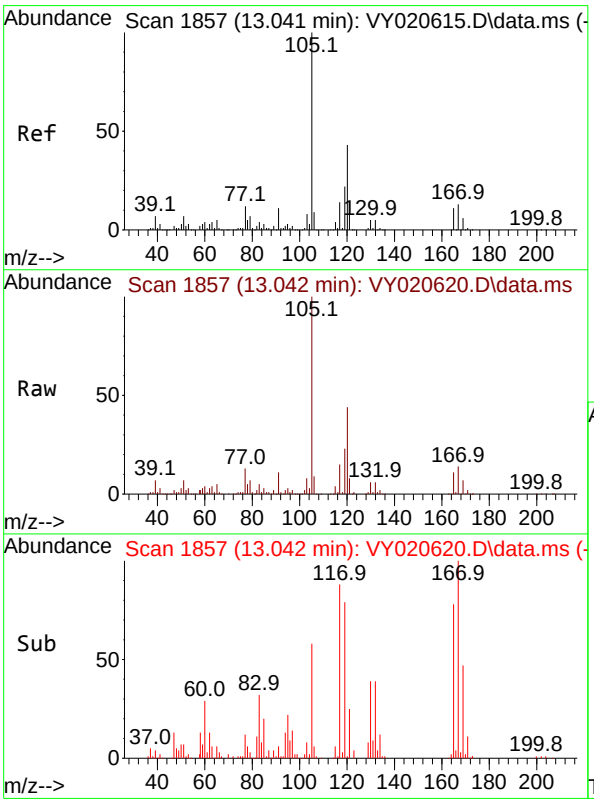
#83
tert-Butylbenzene
Concen: 49.469 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

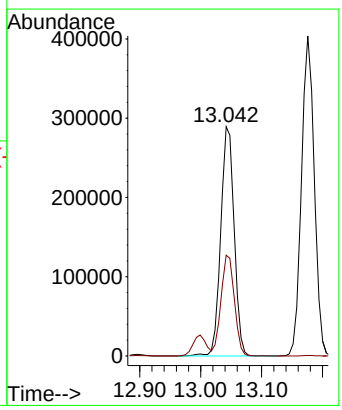


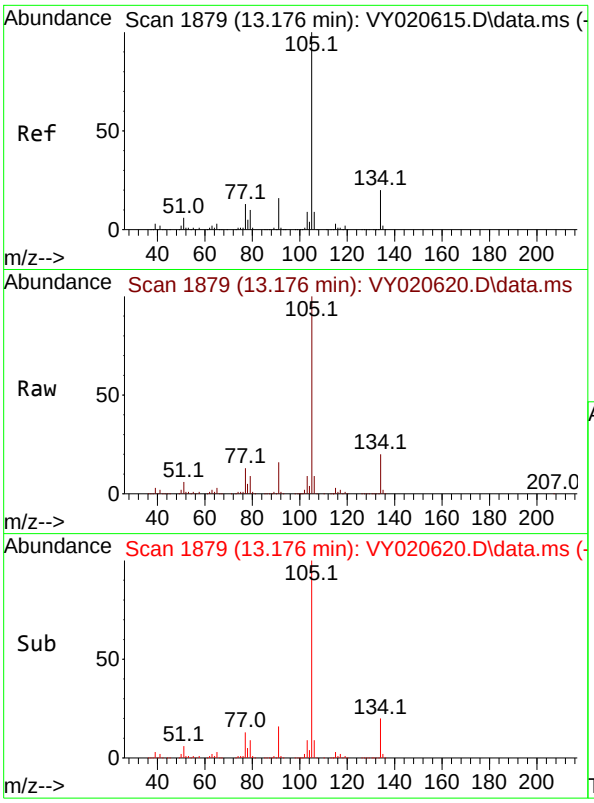


#84
1,2,4-Trimethylbenzene
Concen: 49.877 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 442582

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



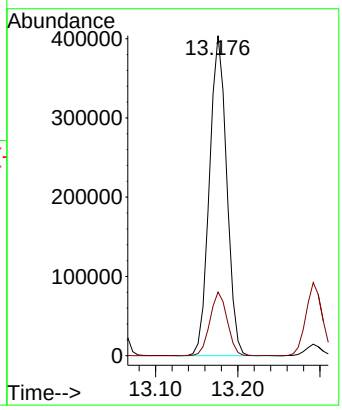


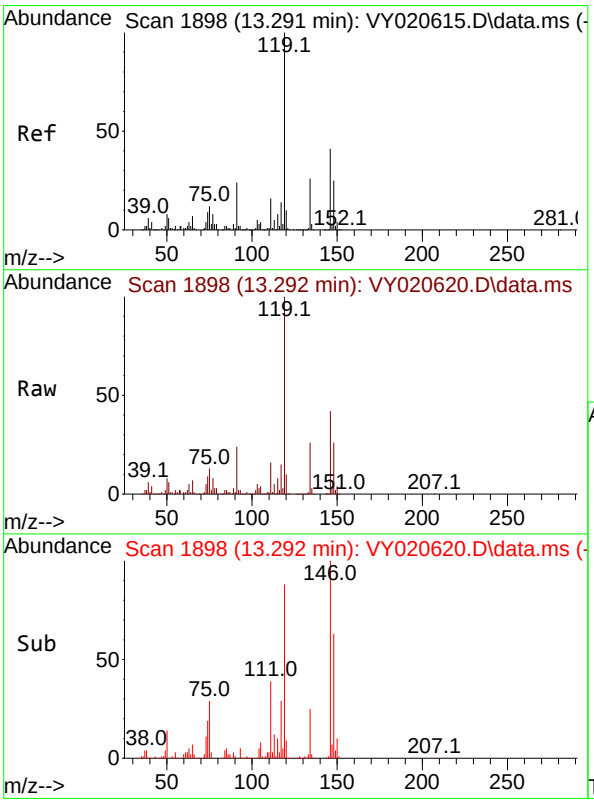
#85
sec-Butylbenzene
Concen: 49.451 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:105 Resp: 589060

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

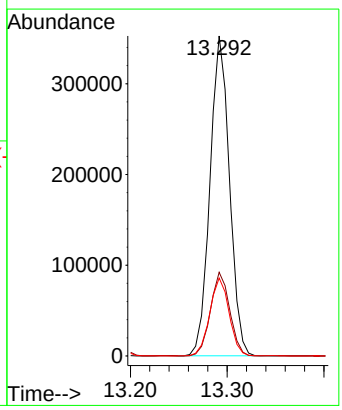


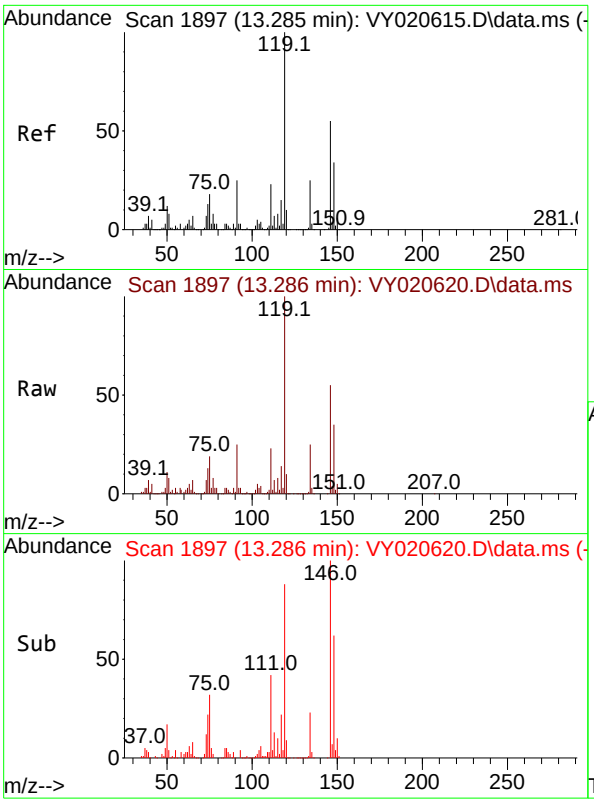


#86
p-Isopropyltoluene
Concen: 50.187 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



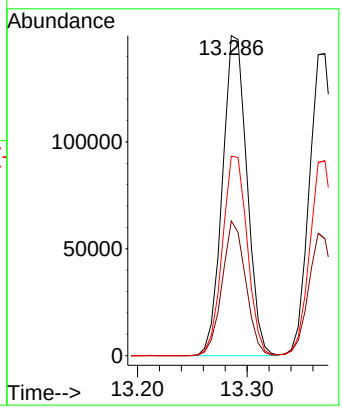


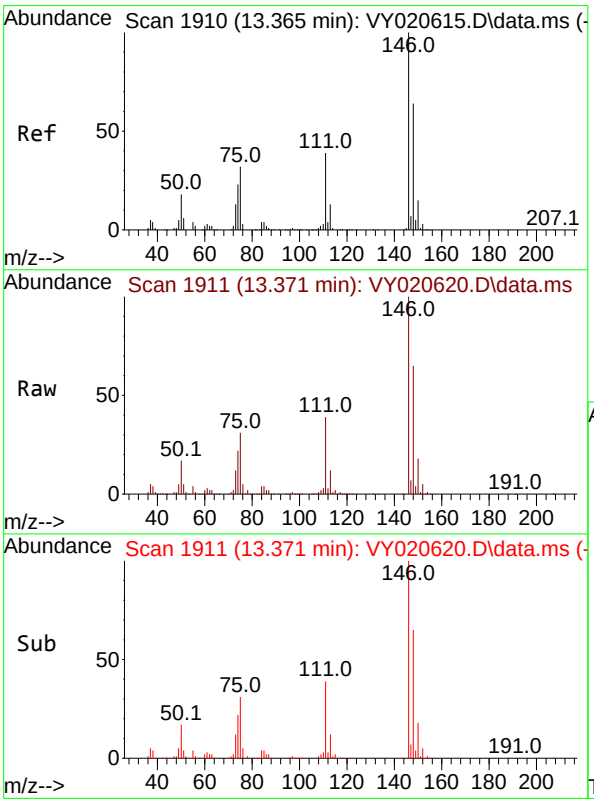
#87
1,3-Dichlorobenzene
Concen: 48.653 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

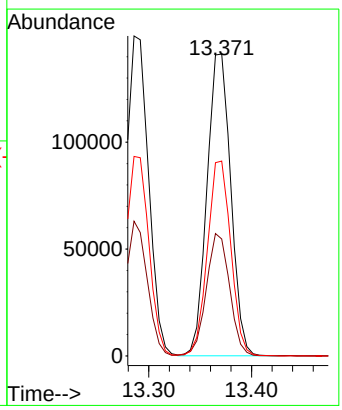


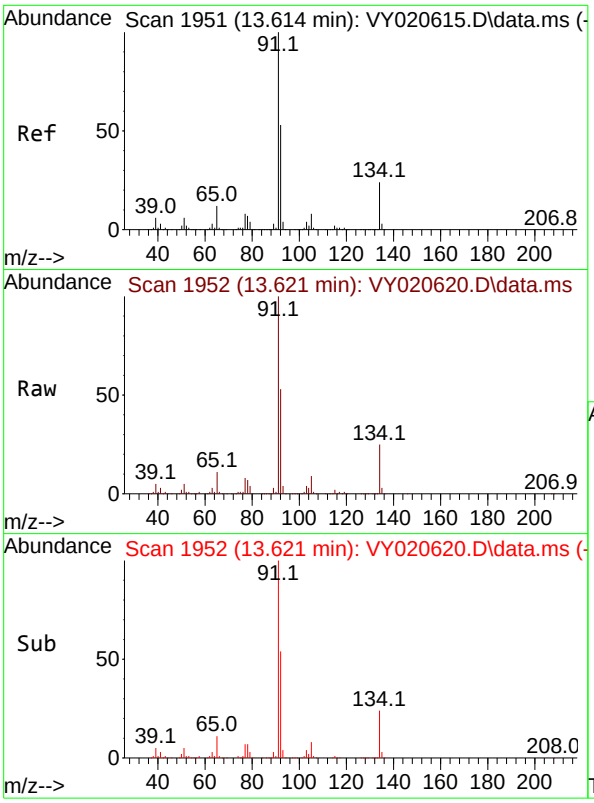


#88
1,4-Dichlorobenzene
Concen: 47.888 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



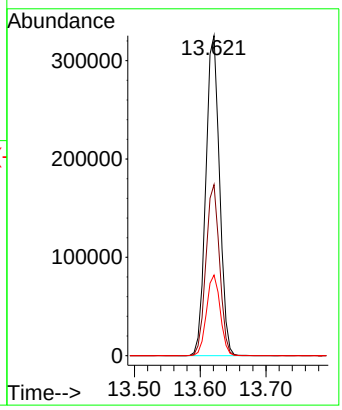


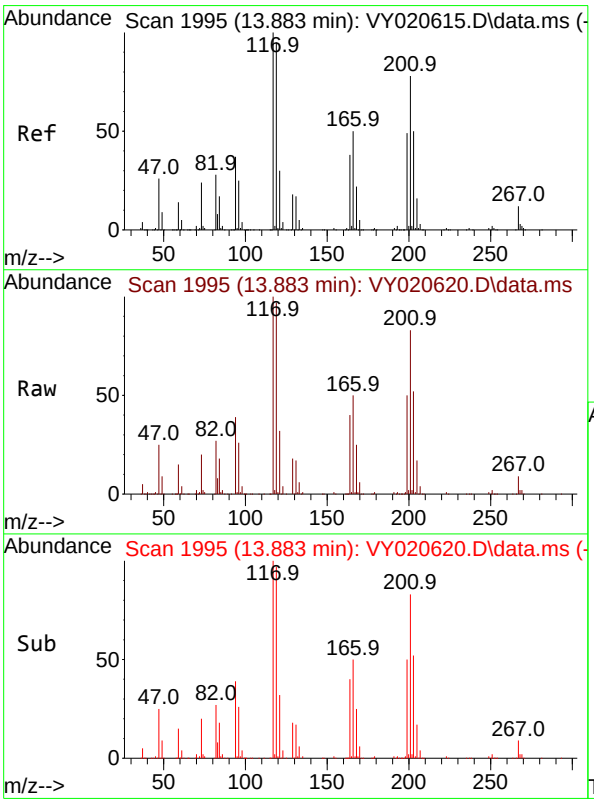
#89
n-Butylbenzene
Concen: 50.725 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

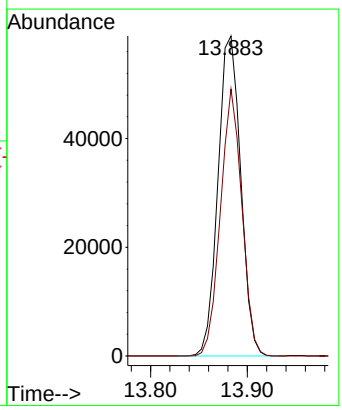


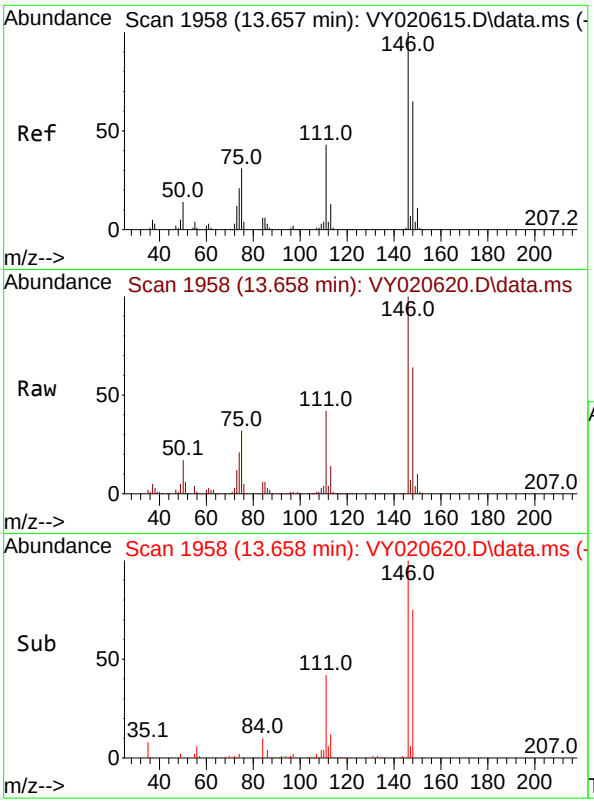


#90
Hexachloroethane
Concen: 49.342 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 96035

Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.1	117.3



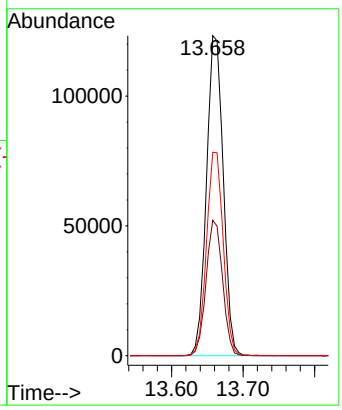


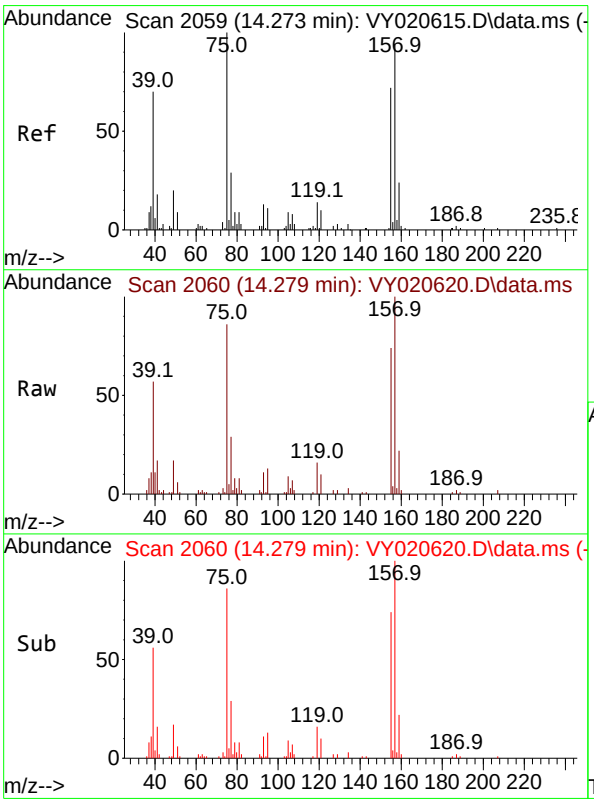
#91
1,2-Dichlorobenzene
Concen: 48.162 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

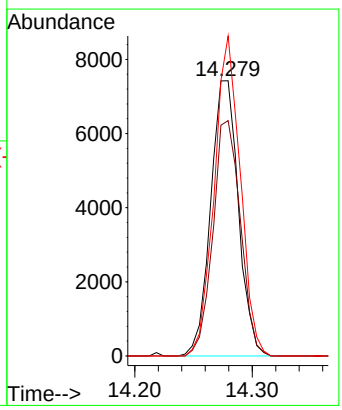


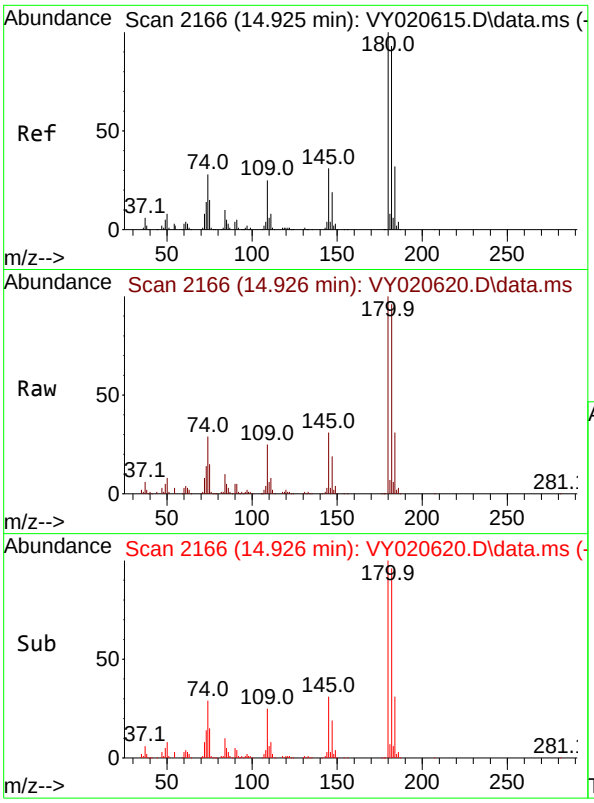


#92
1,2-Dibromo-3-Chloropropane
Concen: 41.418 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



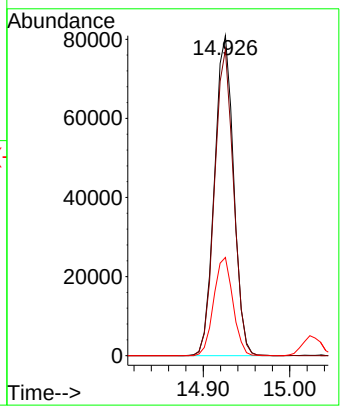


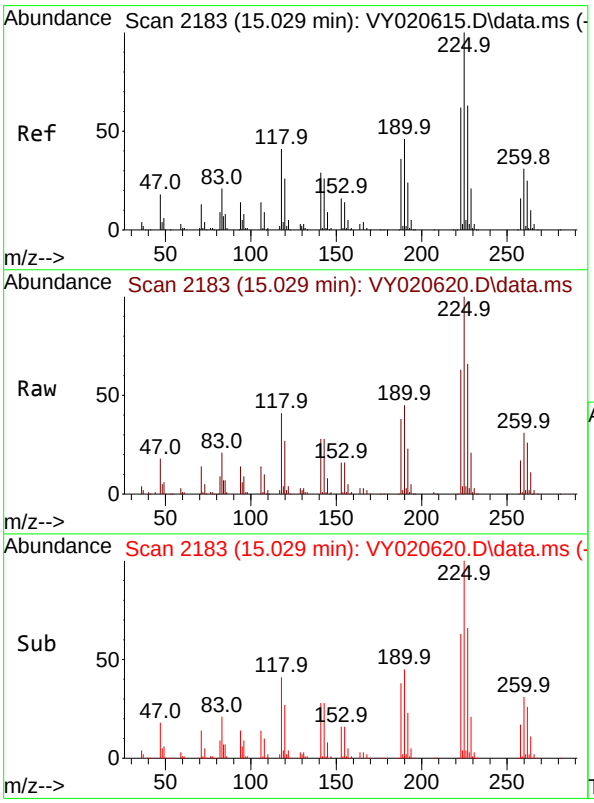
#93
1,2,4-Trichlorobenzene
Concen: 49.388 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

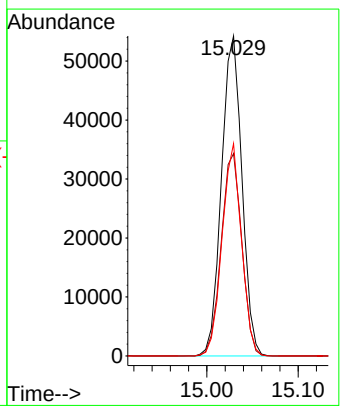


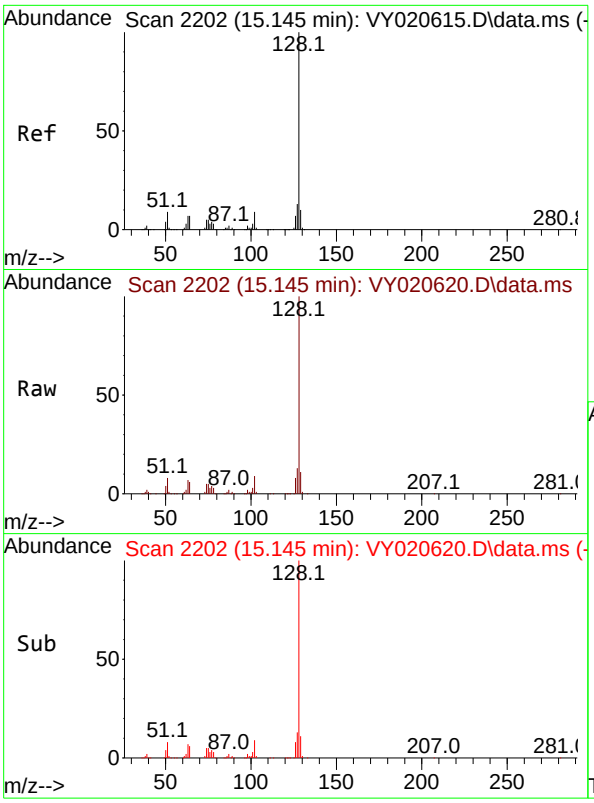


#94
Hexachlorobutadiene
Concen: 51.372 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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



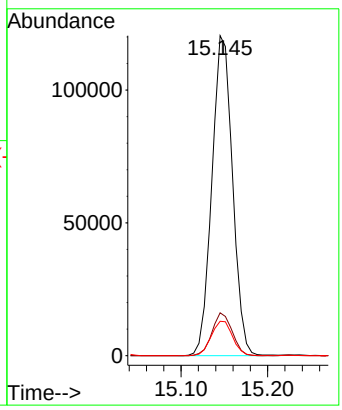


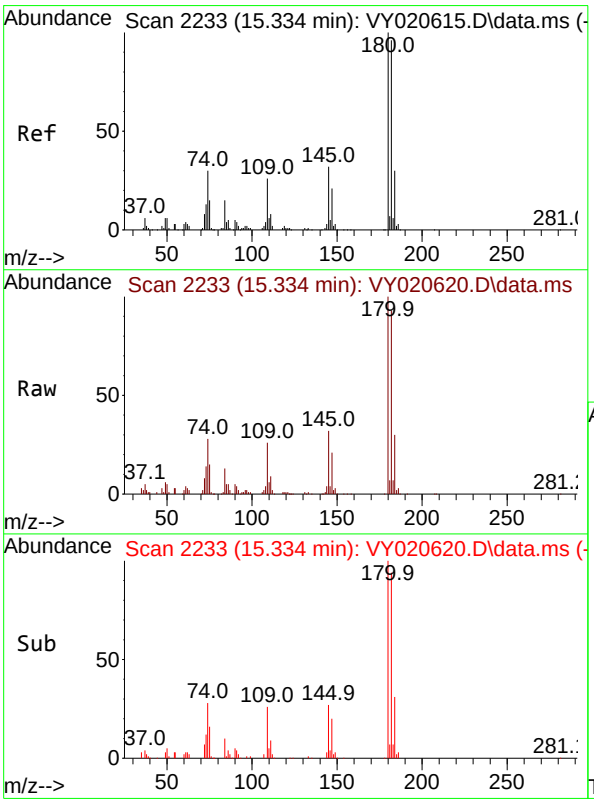
#95
Naphthalene
Concen: 46.344 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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

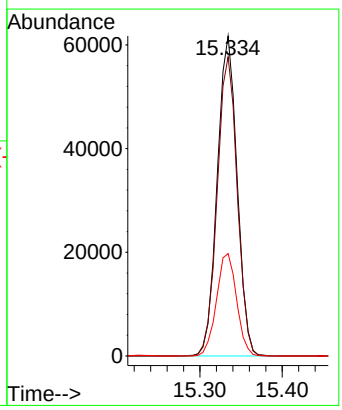




#96
1,2,3-Trichlorobenzene
Concen: 48.662 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

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\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	7.713	168	181172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	281800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	135162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93039	46.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.780%			
35) Dibromofluoromethane	7.640	113	95632	48.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.300%			
50) Toluene-d8	10.109	98	336852	48.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.408	95	123092	45.267	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	116592	51.523	ug/l	98
3) Chloromethane	2.074	50	94009	56.068	ug/l	99
4) Vinyl Chloride	2.208	62	93185	59.712	ug/l	100
5) Bromomethane	2.598	94	58436	58.252	ug/l	98
6) Chloroethane	2.739	64	56906	59.008	ug/l	98
7) Trichlorofluoromethane	3.068	101	174799	53.530	ug/l	98
8) Diethyl Ether	3.458	74	61832	53.992	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	129101	55.158	ug/l	100
10) Methyl Iodide	4.013	142	154019	59.104	ug/l	98
11) Tert butyl alcohol	4.872	59	45575	213.025	ug/l	99
12) 1,1-Dichloroethene	3.799	96	127279	56.045	ug/l	99
13) Acrolein	3.659	56	14612	155.740	ug/l	97
14) Allyl chloride	4.391	41	228359	57.385	ug/l	98
15) Acrylonitrile	5.067	53	142723	260.505	ug/l	98
16) Acetone	3.873	43	101352	257.301	ug/l	100
17) Carbon Disulfide	4.116	76	417887	56.530	ug/l	100
18) Methyl Acetate	4.391	43	73409	54.377	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	317105	54.099	ug/l	99
20) Methylene Chloride	4.629	84	133010	53.915	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	141258	55.450	ug/l	97
22) Diisopropyl ether	6.025	45	452462	56.015	ug/l	97
23) Vinyl Acetate	5.964	43	1258502	275.088	ug/l	100
24) 1,1-Dichloroethane	5.927	63	263259	55.632	ug/l	99
25) 2-Butanone	6.903	43	179579	243.530	ug/l	100
26) 2,2-Dichloropropane	6.890	77	234203	52.354	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	162240	55.354	ug/l	99
28) Bromochloromethane	7.250	49	88805	55.637	ug/l	98
29) Tetrahydrofuran	7.268	42	120593	259.058	ug/l	99
30) Chloroform	7.427	83	267283	56.991	ug/l	97
31) Cyclohexane	7.707	56	230457	50.933	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	236866	54.484	ug/l	99
36) 1,1-Dichloropropene	7.841	75	195474	53.976	ug/l	100
37) Ethyl Acetate	6.988	43	85696	50.307	ug/l	99
38) Carbon Tetrachloride	7.823	117	215219	53.714	ug/l	97
39) Methylcyclohexane	9.109	83	250222	53.013	ug/l	99
40) Benzene	8.085	78	584718	55.083	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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	7.226	41	45639	50.678	ug/l	#	92
42) 1,2-Dichloroethane	8.158	62	149628	53.147	ug/l		100
43) Isopropyl Acetate	8.201	43	170873	52.984	ug/l		100
44) Trichloroethene	8.866	130	142790	54.743	ug/l		99
45) 1,2-Dichloropropane	9.146	63	134987	54.411	ug/l		94
46) Dibromomethane	9.231	93	69796	53.233	ug/l		99
47) Bromodichloromethane	9.426	83	191747	54.141	ug/l		99
48) Methyl methacrylate	9.225	41	80945	52.797	ug/l		98
49) 1,4-Dioxane	9.231	88	15521	1032.238	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	434924	255.497	ug/l		99
52) Toluene	10.176	92	360124	54.590	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	181188	54.904	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	216369	55.329	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	91364	52.705	ug/l		98
56) Ethyl methacrylate	10.438	69	138340	55.009	ug/l		98
57) 1,3-Dichloropropane	10.719	76	165219	53.466	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	246475	232.929	ug/l		100
59) 2-Hexanone	10.762	43	284335	260.158	ug/l		99
60) Dibromochloromethane	10.914	129	126021	54.359	ug/l		99
61) 1,2-Dibromoethane	11.018	107	85370	52.944	ug/l		100
64) Tetrachloroethene	10.652	164	122795	53.056	ug/l		95
65) Chlorobenzene	11.444	112	378529	55.019	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	129481	55.037	ug/l		99
67) Ethyl Benzene	11.524	91	703089	55.393	ug/l		99
68) m/p-Xylenes	11.627	106	519103	109.995	ug/l		100
69) o-Xylene	11.957	106	242747	55.129	ug/l		98
70) Styrene	11.975	104	406649	55.275	ug/l		99
71) Bromoform	12.133	173	71545	54.090	ug/l	#	98
73) Isopropylbenzene	12.255	105	655105	55.541	ug/l		100
74) N-amyl acetate	12.072	43	151318	54.818	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	102678	53.630	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	138980	98.983	ug/l	#	100
77) Bromobenzene	12.536	156	141911	55.233	ug/l		99
78) n-propylbenzene	12.597	91	783540	55.137	ug/l		99
79) 2-Chlorotoluene	12.682	91	446278	55.818	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	534457	55.844	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	37214	55.634	ug/l		99
82) 4-Chlorotoluene	12.780	91	451687	54.455	ug/l		100
83) tert-Butylbenzene	12.999	119	472868	54.556	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	525941	56.024	ug/l		98
85) sec-Butylbenzene	13.176	105	694384	55.099	ug/l		100
86) p-Isopropyltoluene	13.298	119	585461	56.346	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	280882	55.381	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	271866	54.122	ug/l		99
89) n-Butylbenzene	13.621	91	552991	56.156	ug/l		99
90) Hexachloroethane	13.883	117	113928	55.329	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	239707	54.548	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15981	51.412	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	149441	56.222	ug/l		99
94) Hexachlorobutadiene	15.029	225	97741	56.250	ug/l		99
95) Naphthalene	15.151	128	256906	56.376	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	126145	56.169	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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)

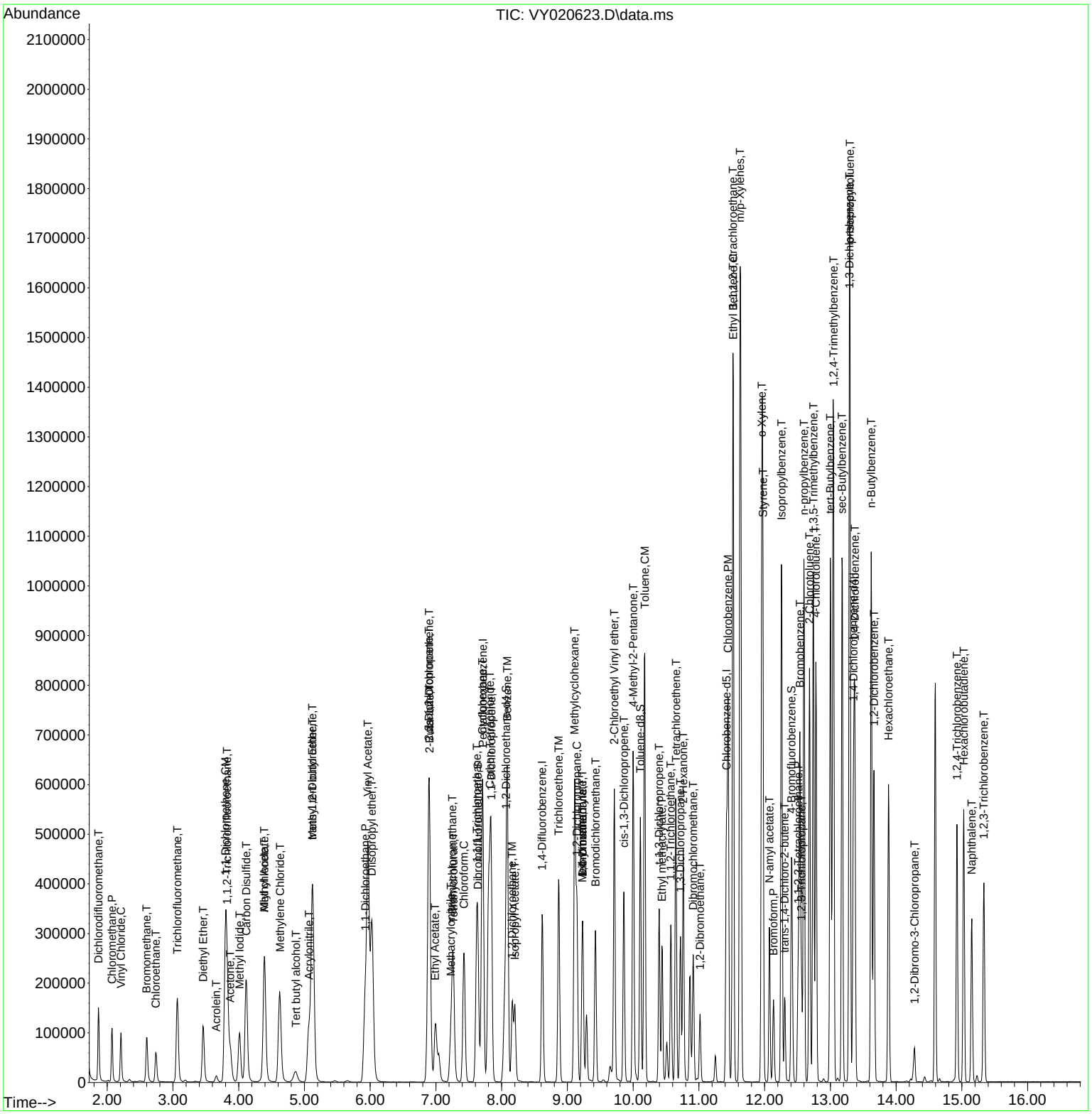
(#) = qualifier out of range (m) = manual integration (+) = signals summed

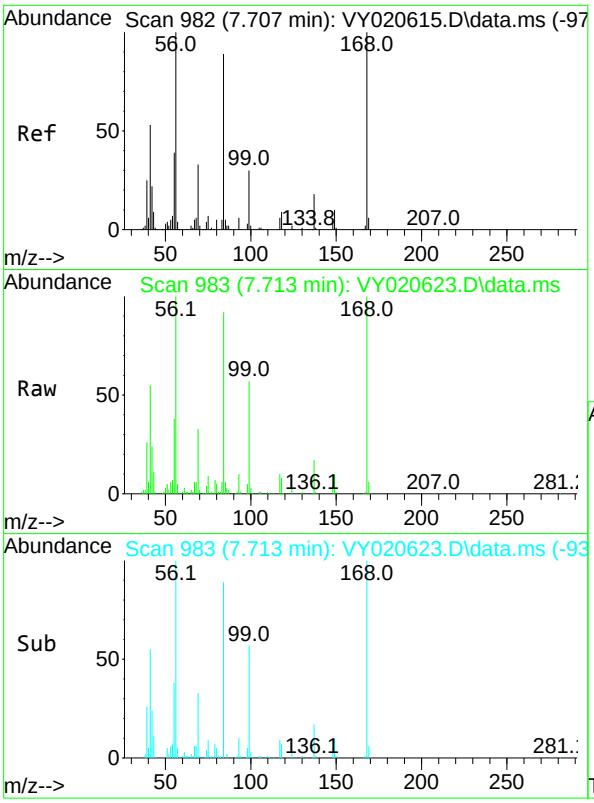
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020623.D
Acq On : 18 Dec 2024 09:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Quant Time: Dec 18 14:20:30 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



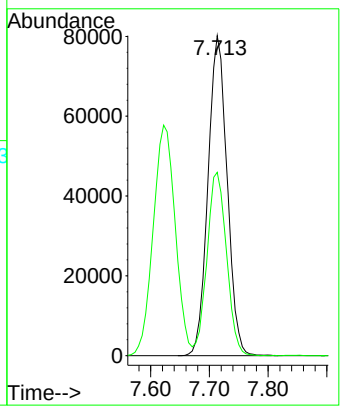


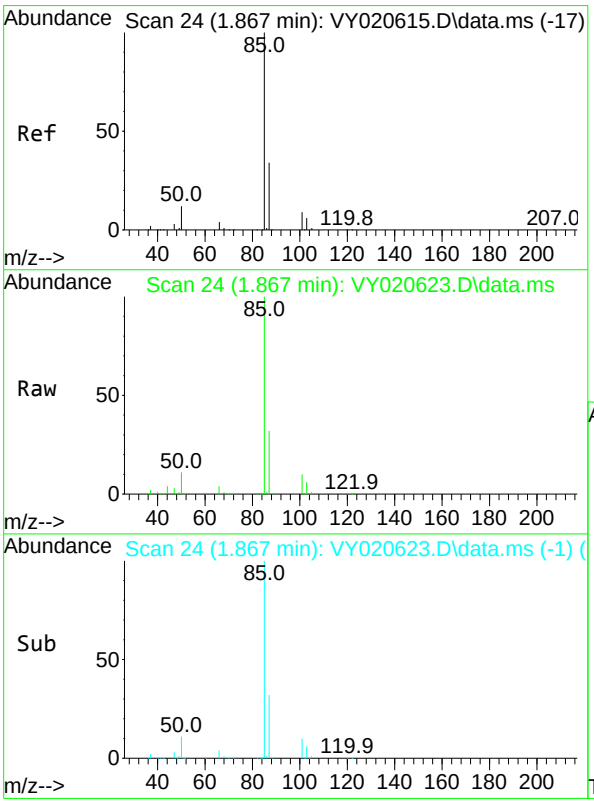
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:168 Resp: 181172

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

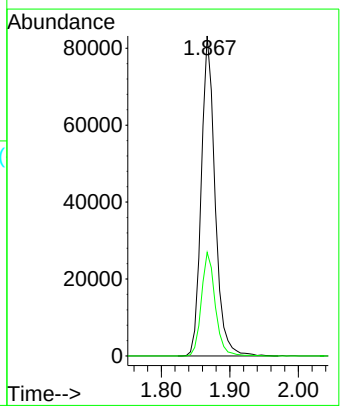


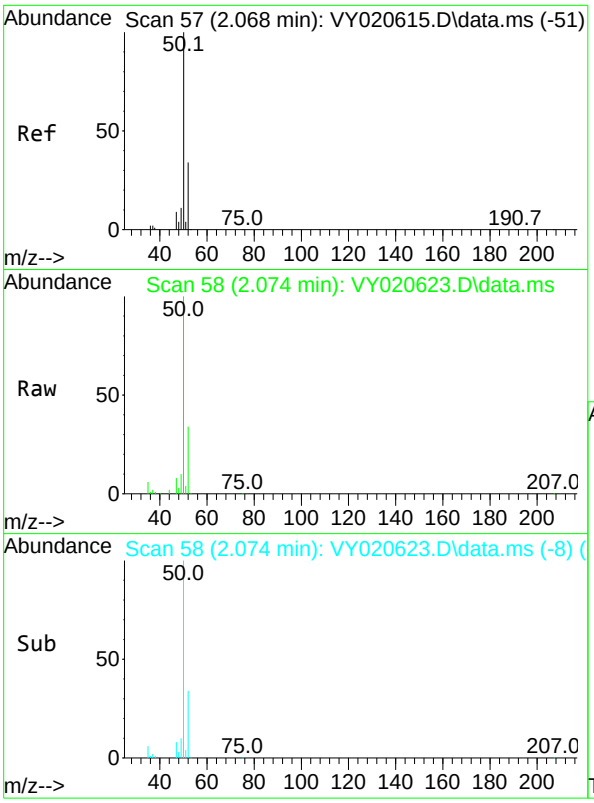


#2
Dichlorodifluoromethane
Concen: 51.523 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 85 Resp: 116592

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.8	50.3



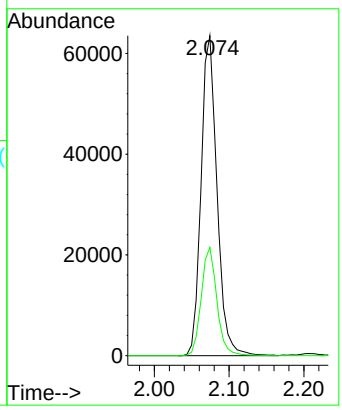


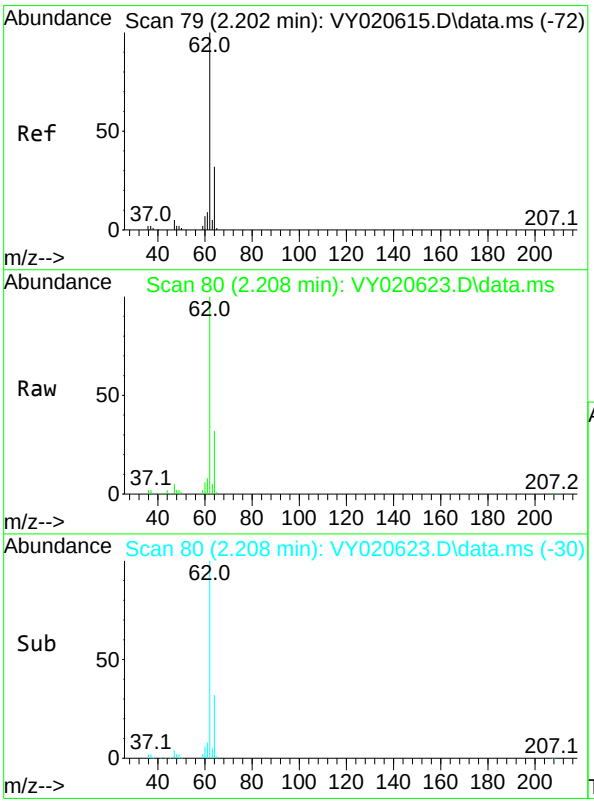
#3
Chloromethane
Concen: 56.068 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 50 Resp: 94009

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.8	40.2

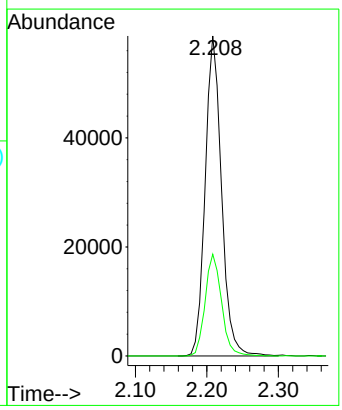


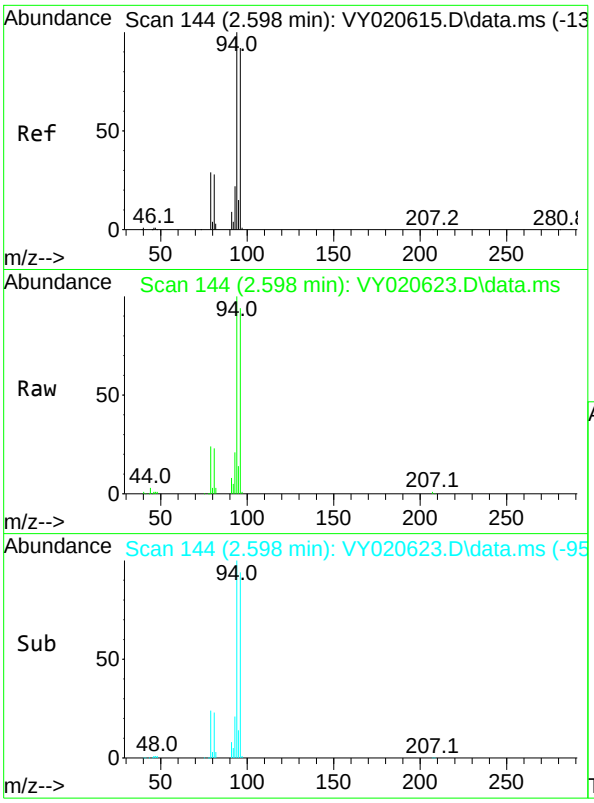


#4
Vinyl Chloride
Concen: 59.712 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 62 Resp: 93185

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.3	37.9



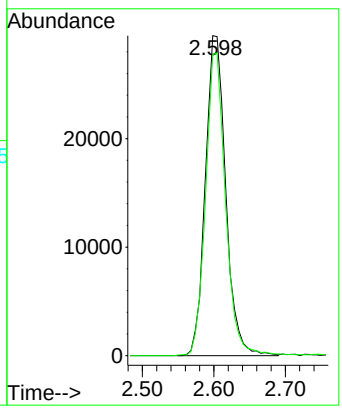


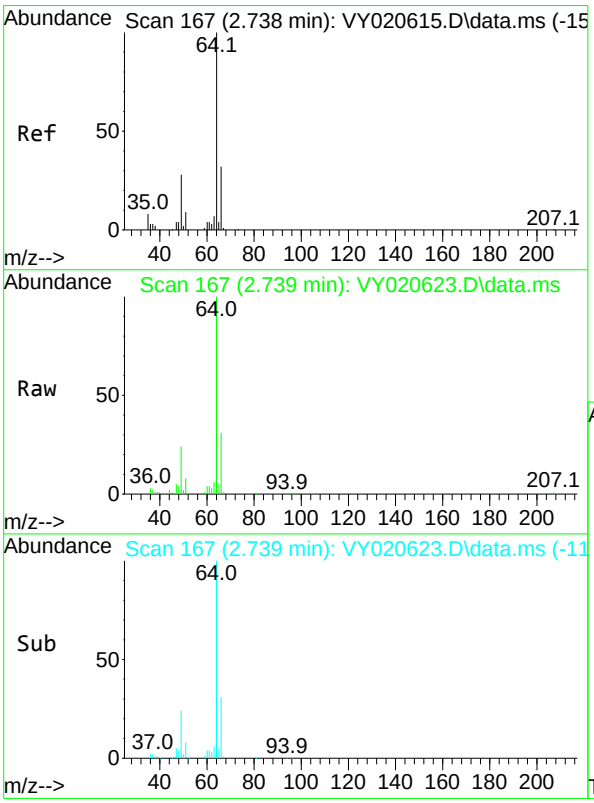
#5
Bromomethane
Concen: 58.252 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 94 Resp: 58436

Ion	Ratio	Lower	Upper
94	100		
96	93.9	73.8	110.6

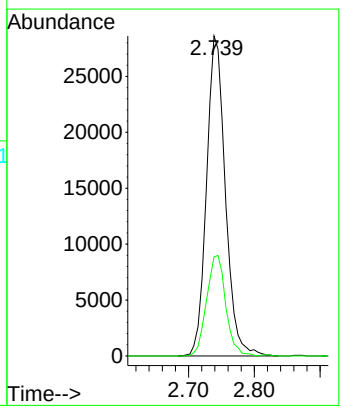


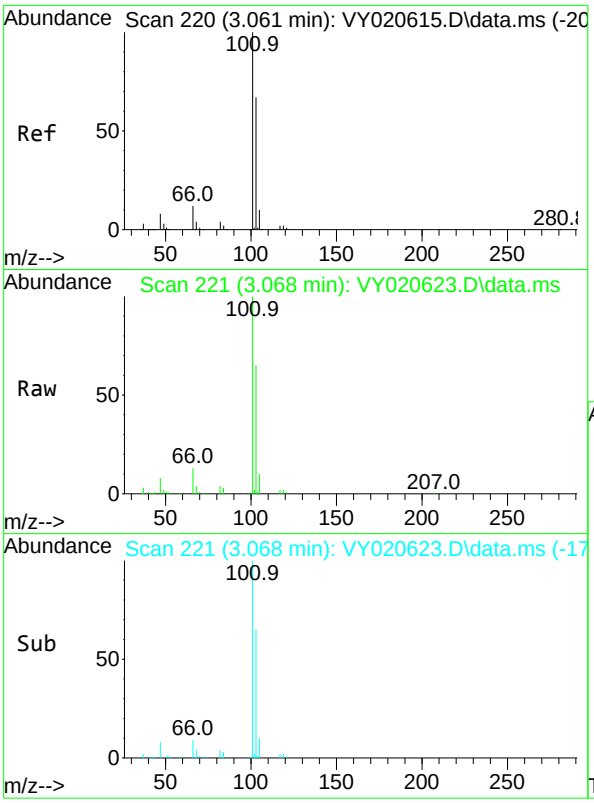


#6
Chloroethane
Concen: 59.008 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 64 Resp: 56906

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6



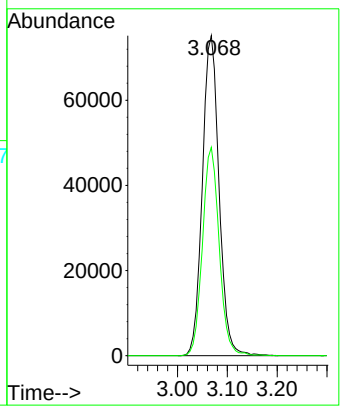


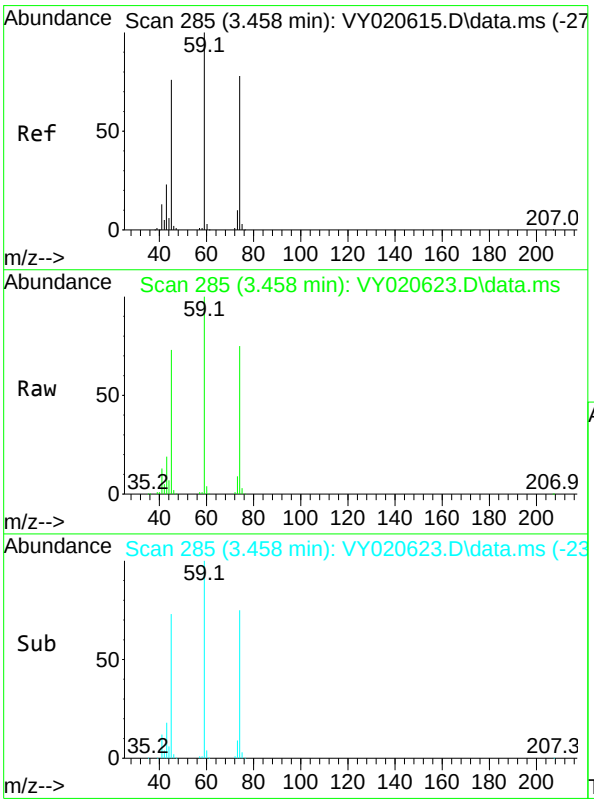
#7
Trichlorofluoromethane
Concen: 53.530 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:101 Resp: 174799

Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.4	80.0

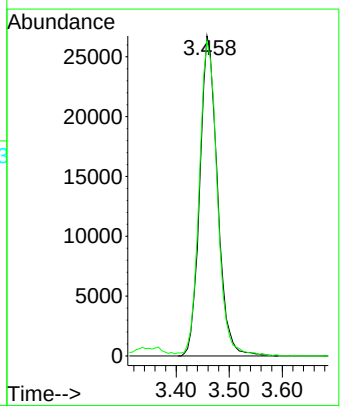


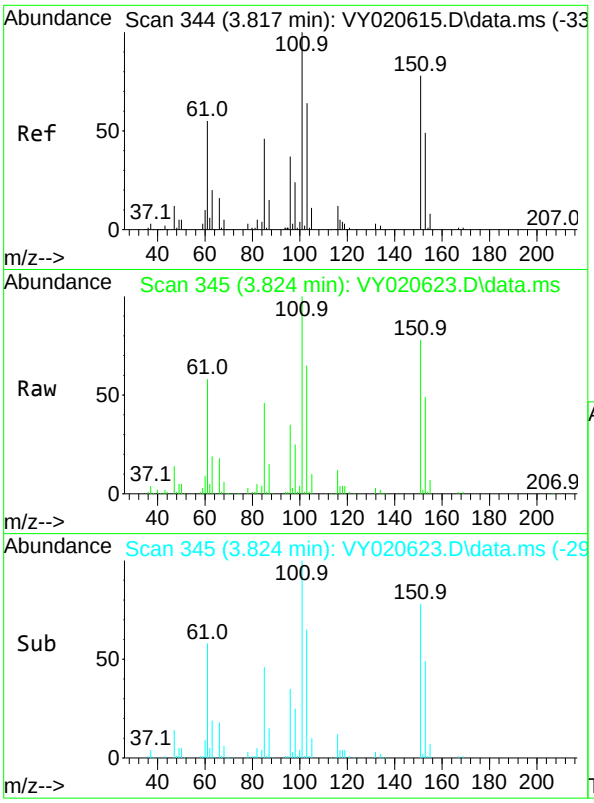


#8
Diethyl Ether
Concen: 53.992 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 74 Resp: 61832

Ion	Ratio	Lower	Upper
74	100		
45	101.1	49.0	147.2



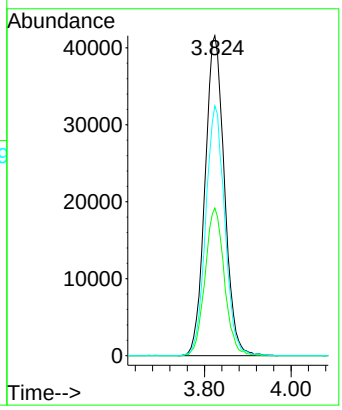


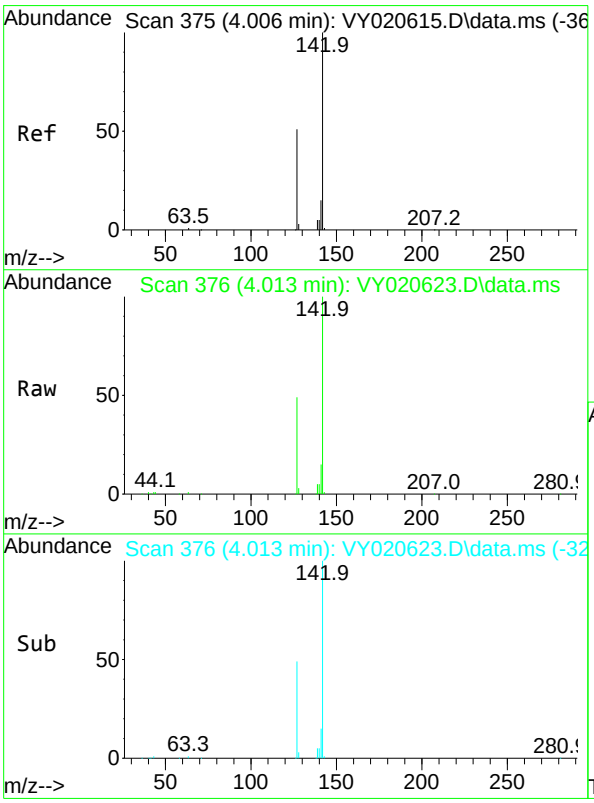
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.158 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:101 Resp: 129101

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.6	54.8
151	76.7	61.5	92.3

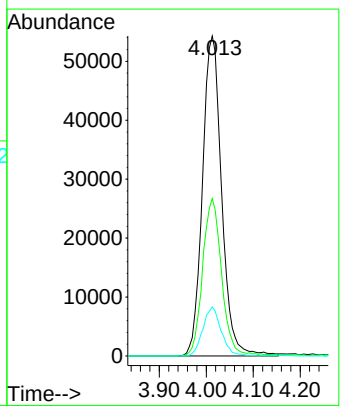


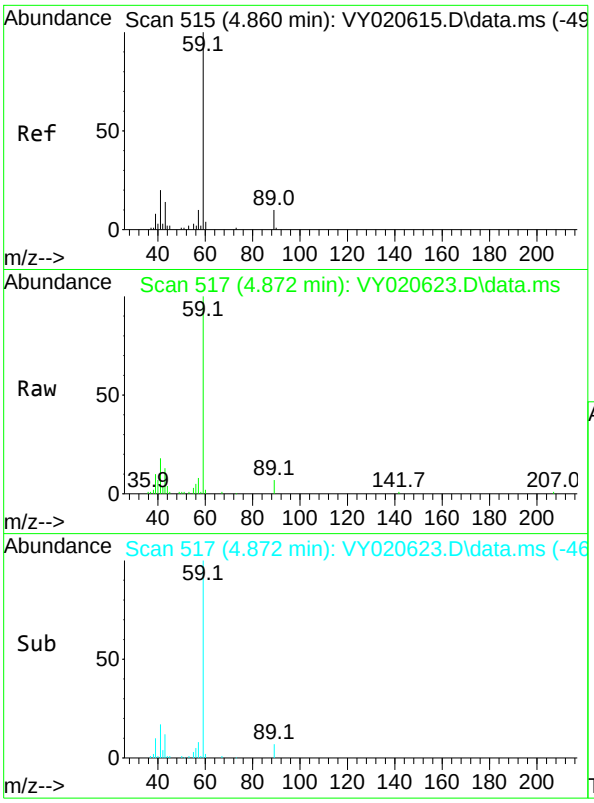


#10
Methyl Iodide
Concen: 59.104 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:142 Resp: 154019

Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.6	61.0
141	14.7	11.7	17.5



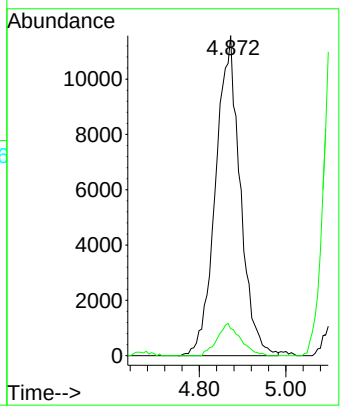


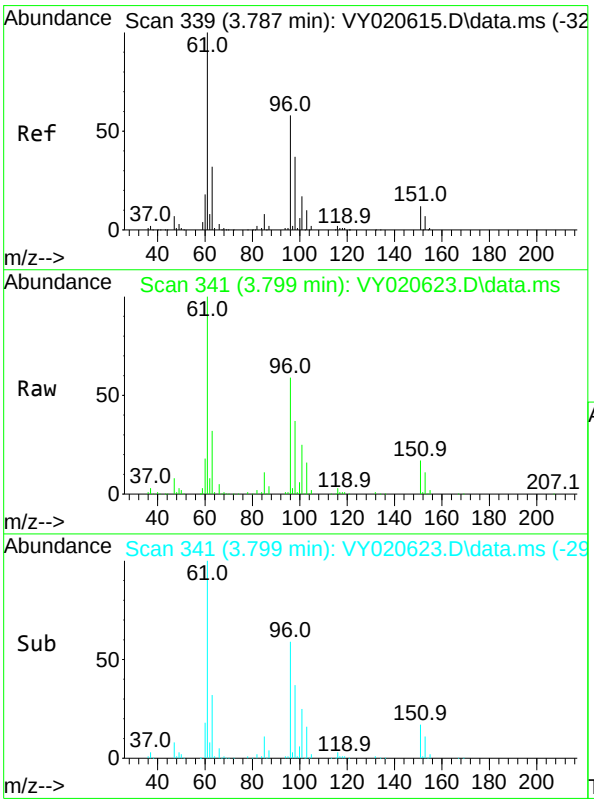
#11
Tert butyl alcohol
Concen: 213.025 ug/l
RT: 4.872 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 59 Resp: 45575

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.4	11.0

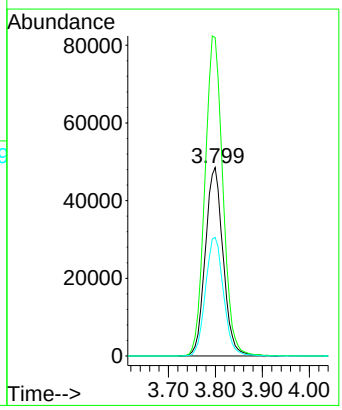


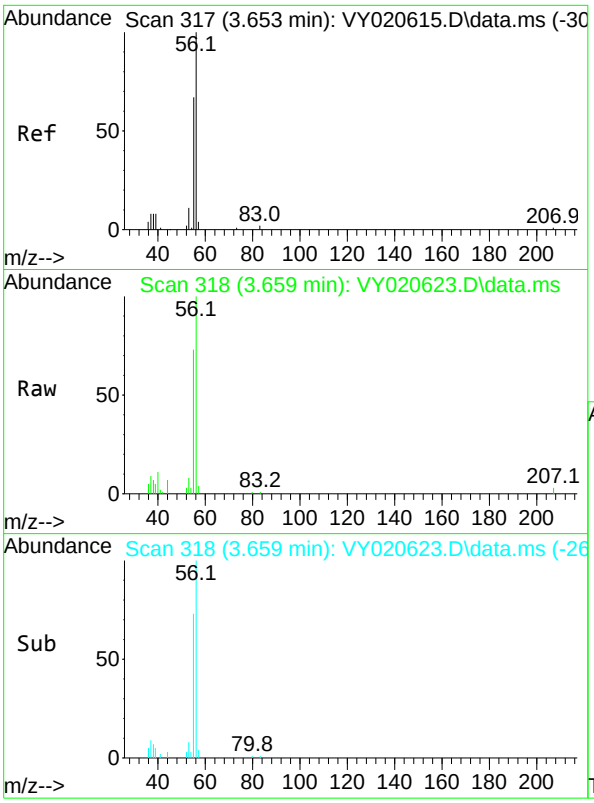


#12
1,1-Dichloroethene
Concen: 56.045 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 96 Resp: 127279

Ion	Ratio	Lower	Upper
96	100		
61	168.8	136.9	205.3
98	62.8	50.2	75.4



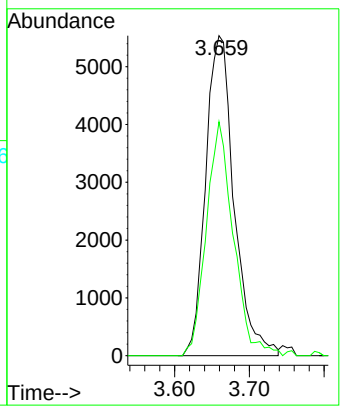


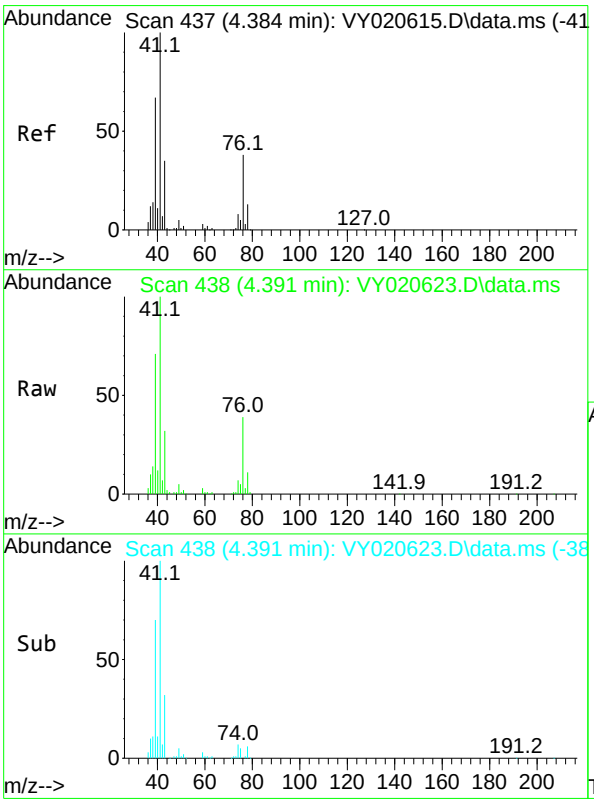
#13
Acrolein
Concen: 155.740 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 56 Resp: 14612

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3

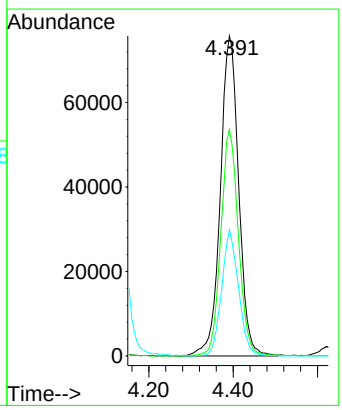


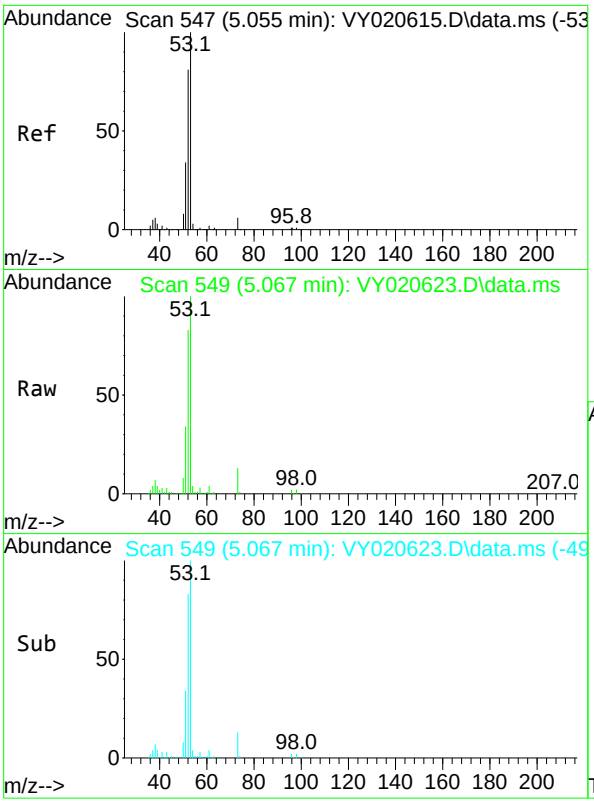


#14
Allyl chloride
Concen: 57.385 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 41 Resp: 228359

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.0	79.4
76	36.2	29.5	44.3



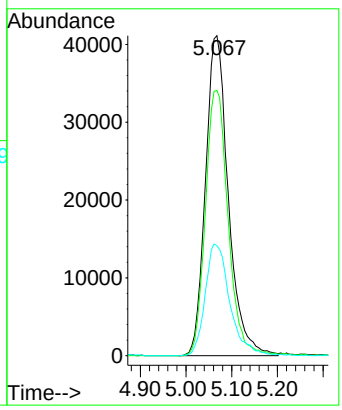


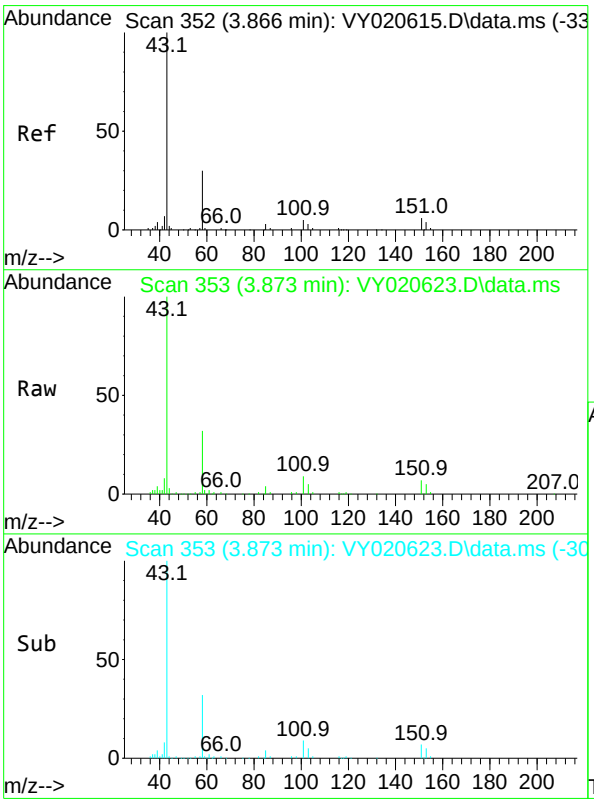
#15
Acrylonitrile
Concen: 260.505 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 53 Resp: 142723

Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.5	96.7
51	37.7	29.4	44.0

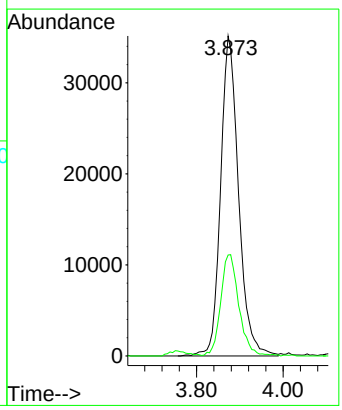


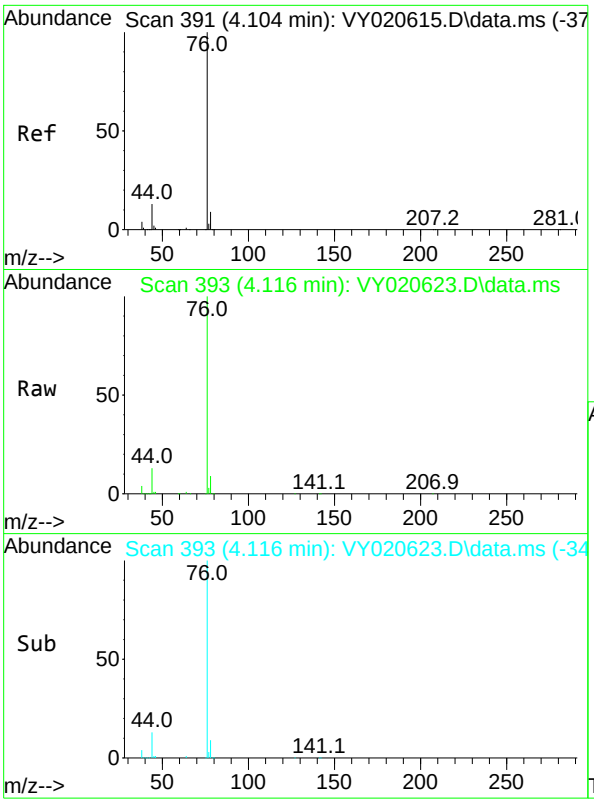


#16
Acetone
Concen: 257.301 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 101352

Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.0	37.6



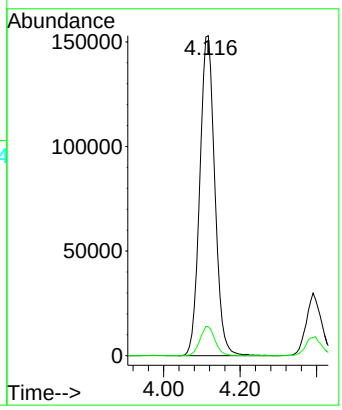


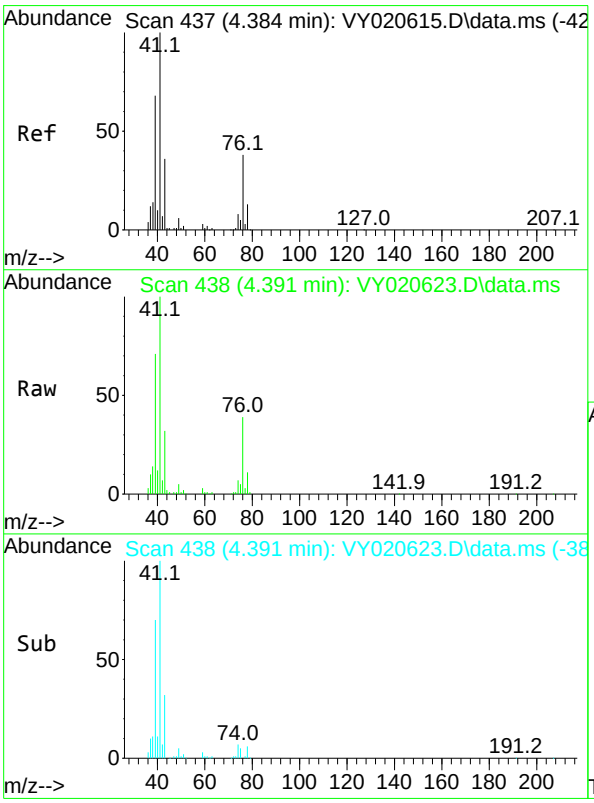
#17
Carbon Disulfide
Concen: 56.530 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 76 Resp: 417887

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

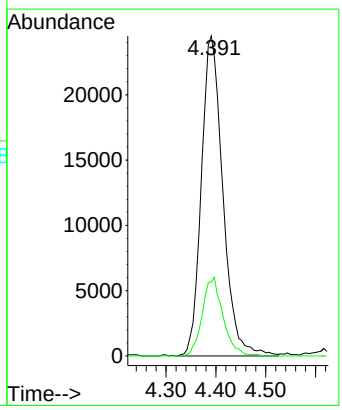


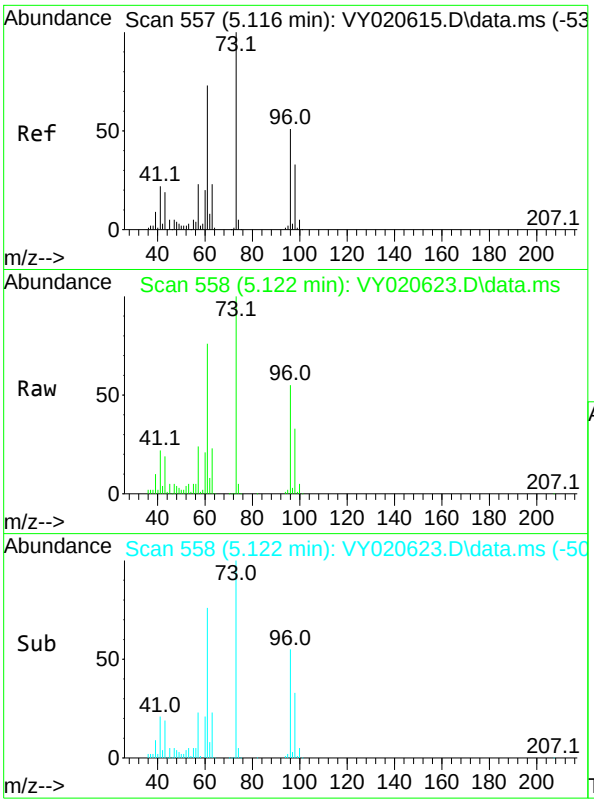


#18
Methyl Acetate
Concen: 54.377 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 73409

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8



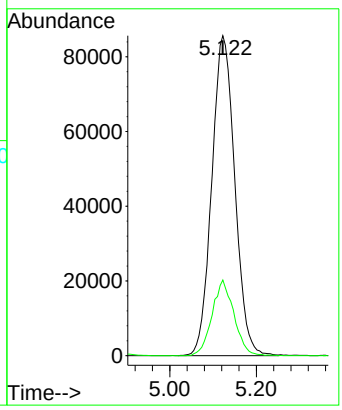


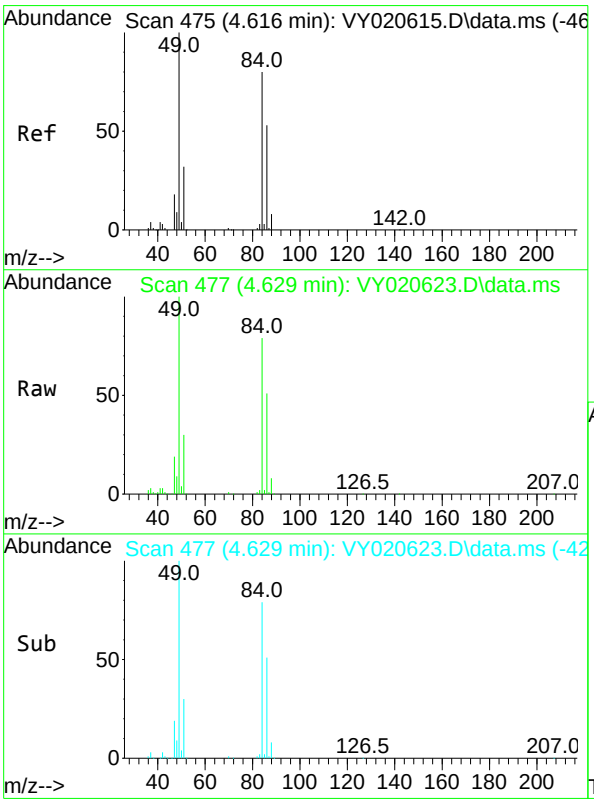
#19
Methyl tert-butyl Ether
Concen: 54.099 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 73 Resp: 317105

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.5	27.7

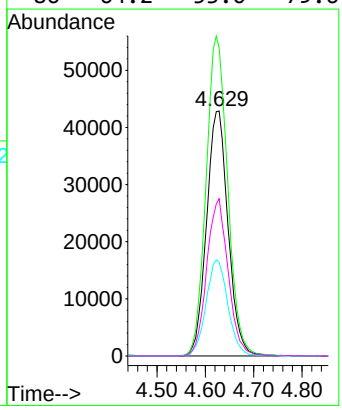


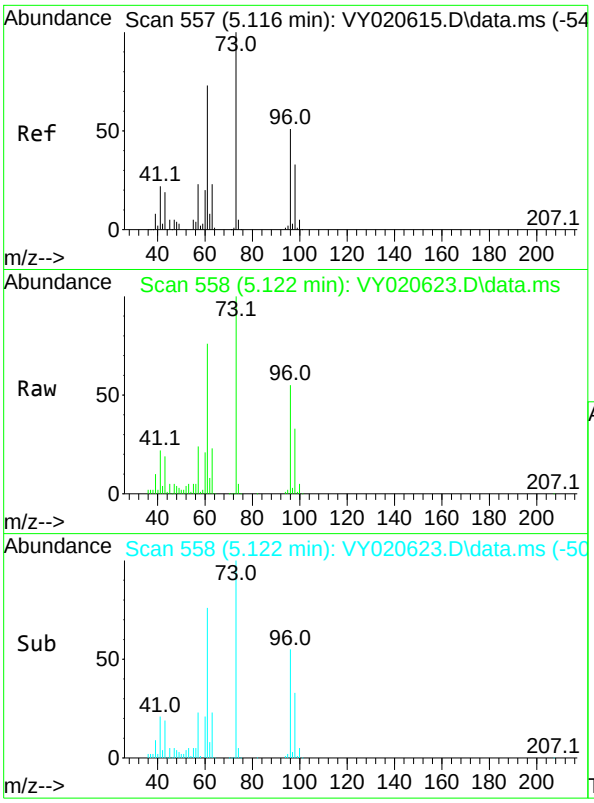


#20
Methylene Chloride
Concen: 53.915 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 84 Resp: 133010

Ion	Ratio	Lower	Upper
84	100		
49	125.8	100.7	151.1
51	38.2	32.2	48.2
86	64.2	53.0	79.6



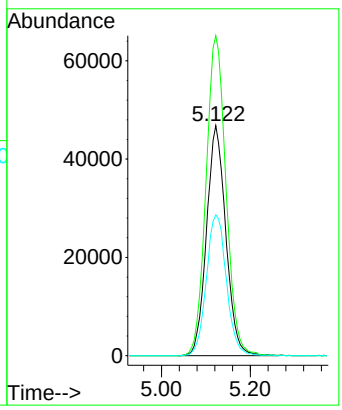


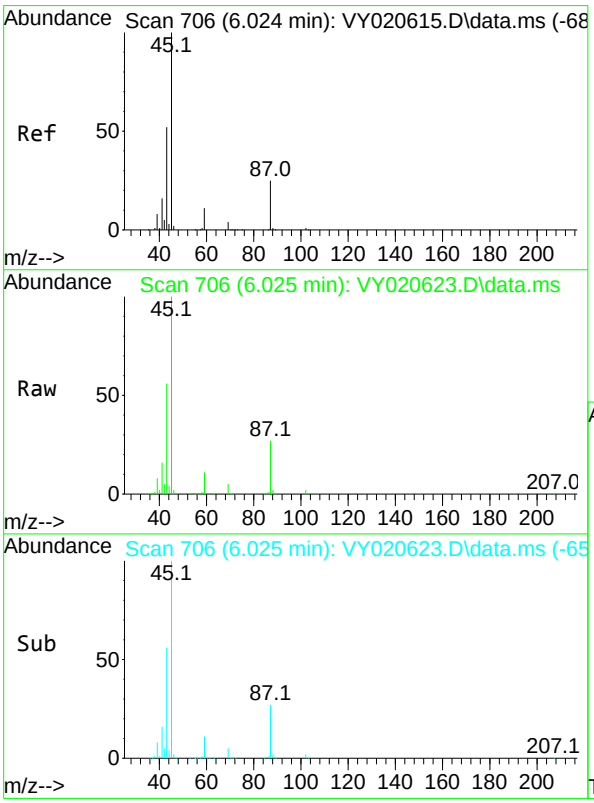
#21
trans-1,2-Dichloroethene
Concen: 55.450 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 96 Resp: 141258

Ion	Ratio	Lower	Upper
96	100		
61	139.1	113.7	170.5
98	61.2	51.7	77.5

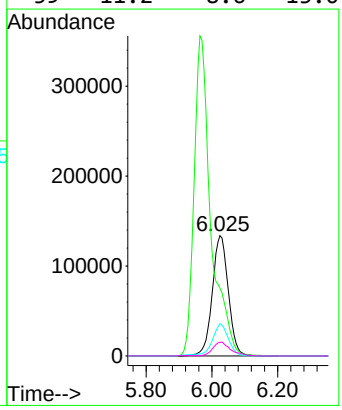


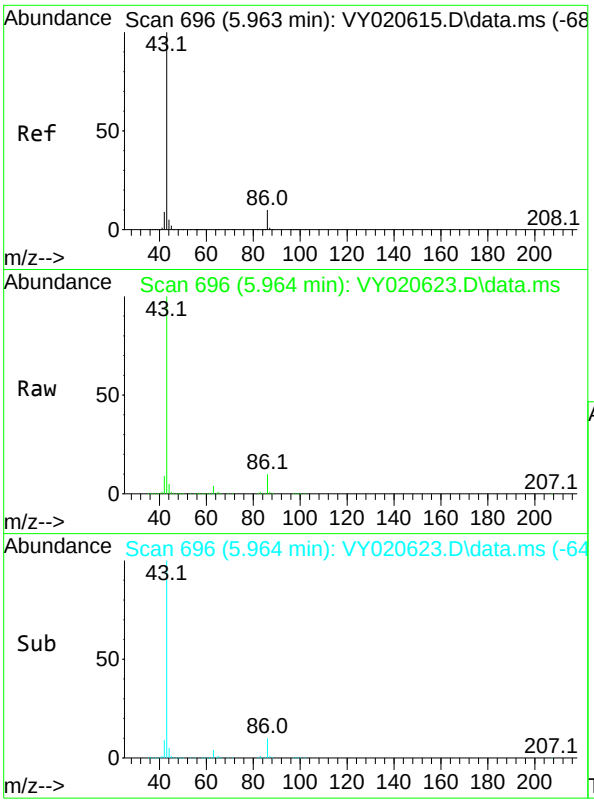


#22
Diisopropyl ether
Concen: 56.015 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 45 Resp: 452462

Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.6	64.0
87	26.9	20.6	31.0
59	11.2	8.6	13.0



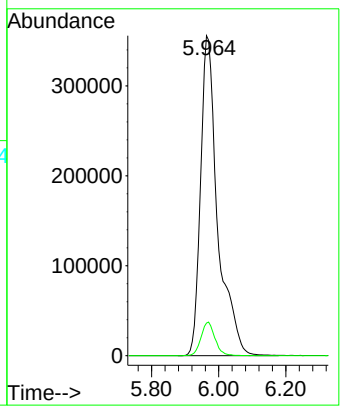


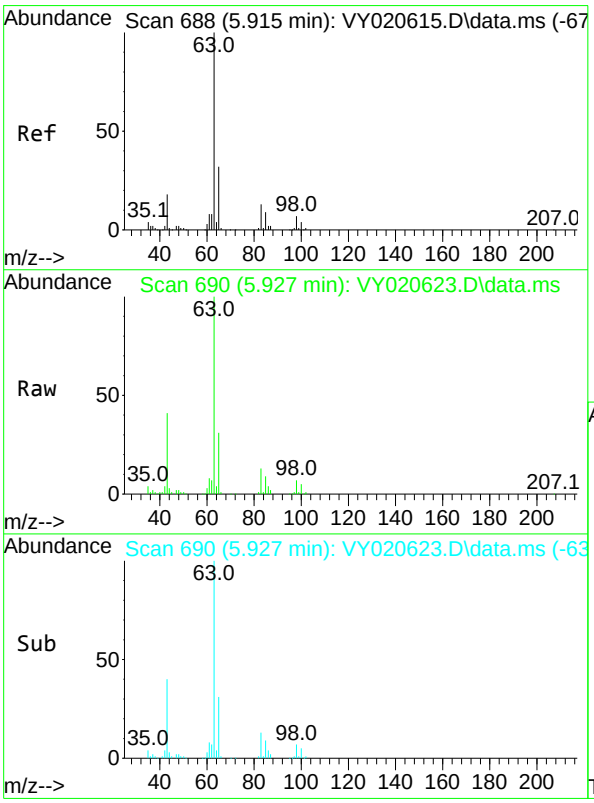
#23
Vinyl Acetate
Concen: 275.088 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 1258502

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

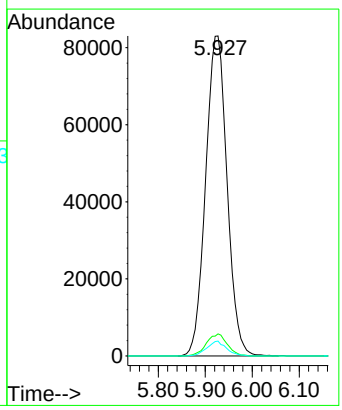


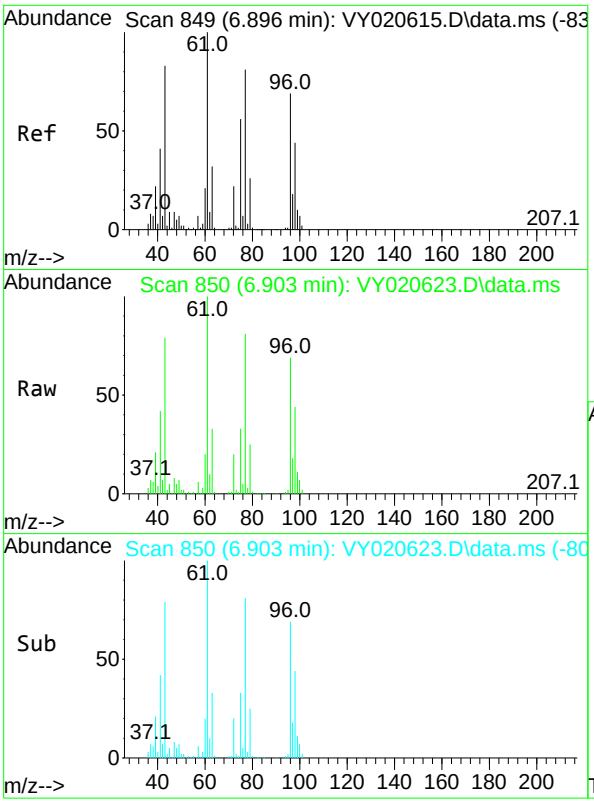


#24
1,1-Dichloroethane
Concen: 55.632 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.012 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 63 Resp: 263259

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.6	2.1	6.5



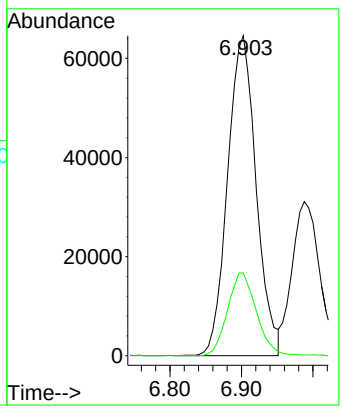


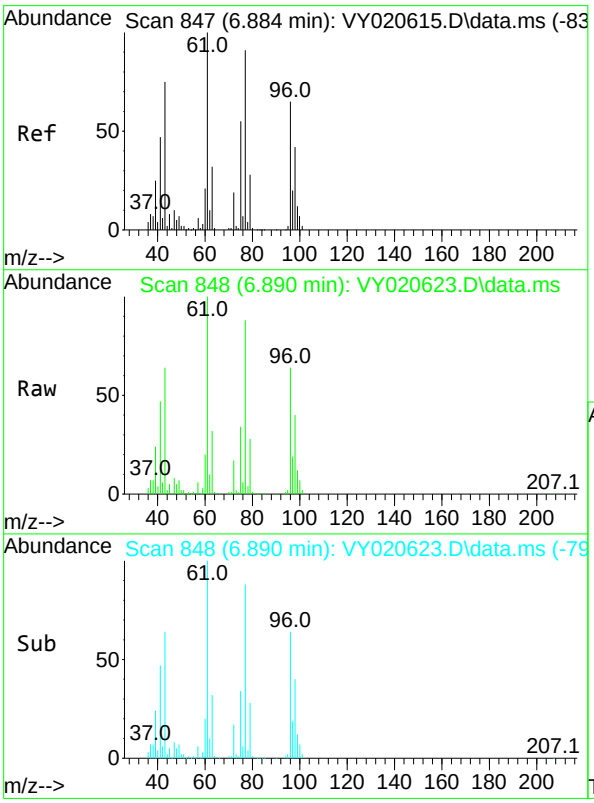
#25
2-Butanone
Concen: 243.530 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 179579

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0

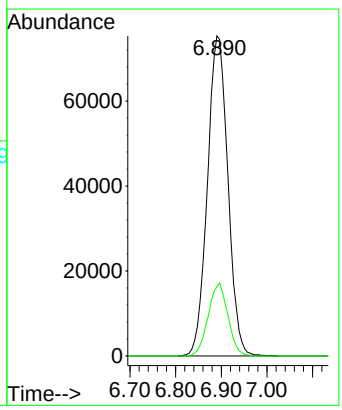


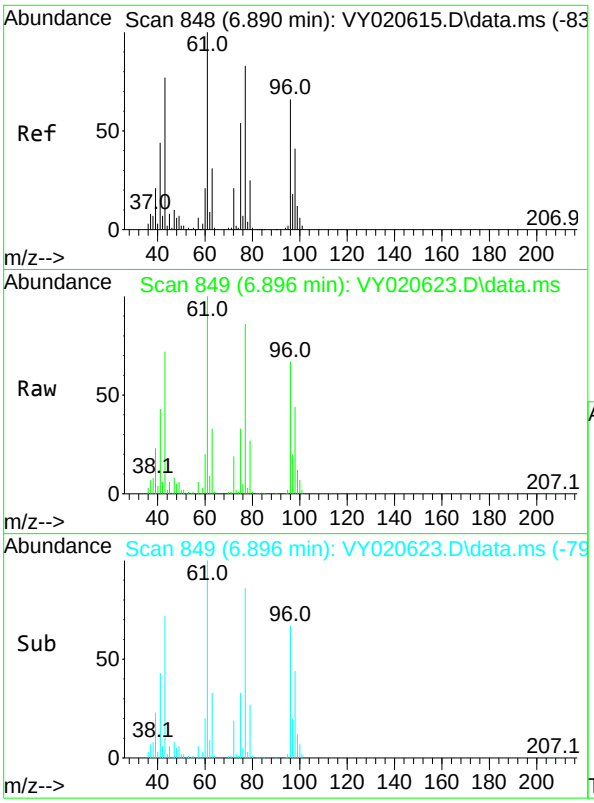


#26
2,2-Dichloropropane
Concen: 52.354 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 77 Resp: 234203

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.6



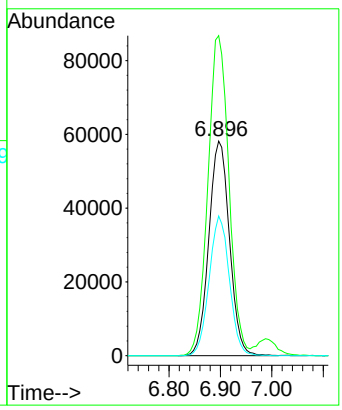


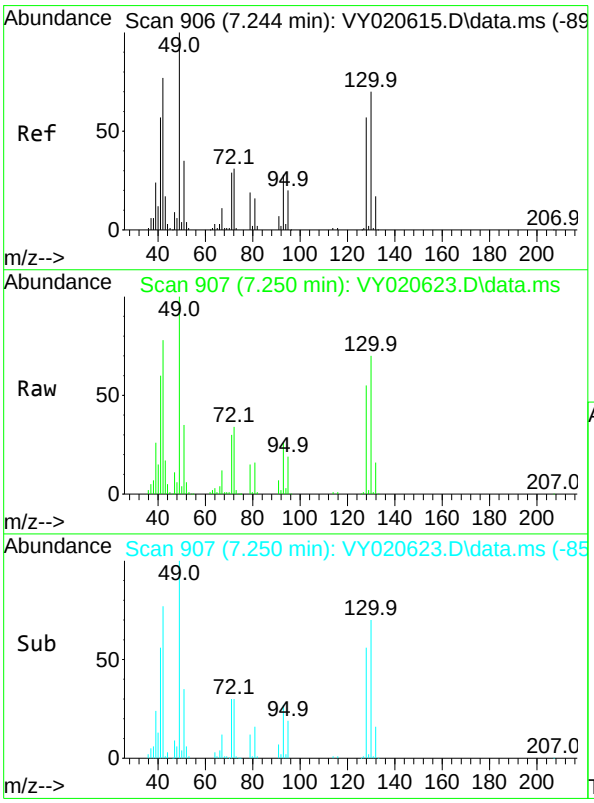
#27
cis-1,2-Dichloroethene
Concen: 55.354 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 96 Resp: 162240

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	306.2
98	63.8	0.0	127.2

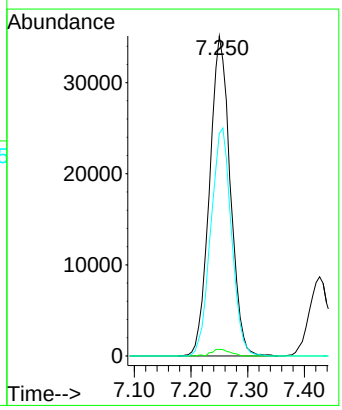


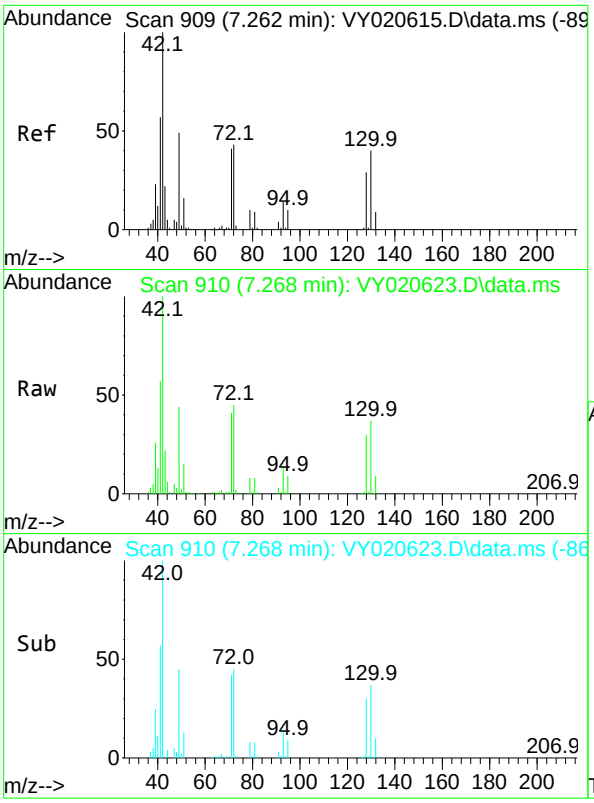


#28
Bromochloromethane
Concen: 55.637 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 49 Resp: 88805

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.5	58.3	87.5



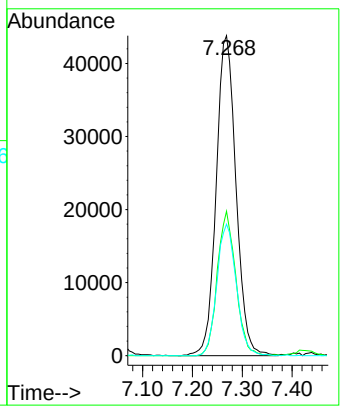


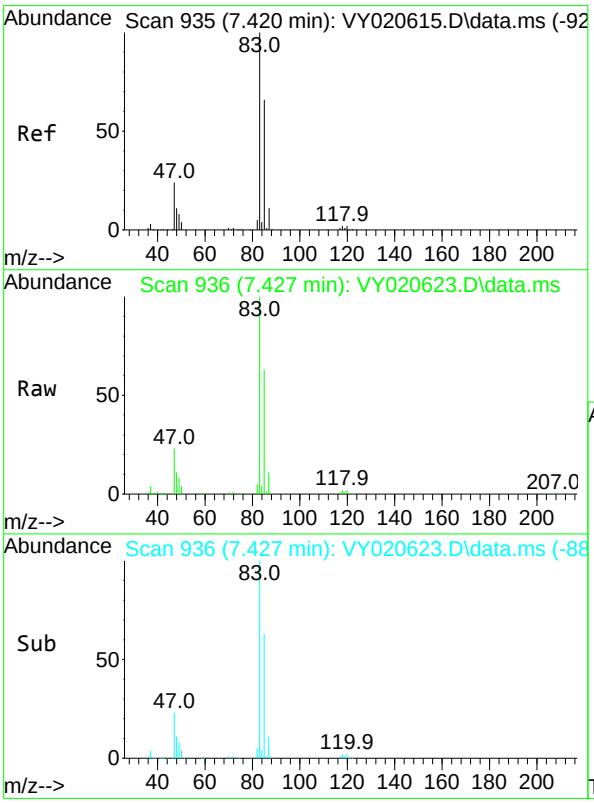
#29
Tetrahydrofuran
Concen: 259.058 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 42 Resp: 120593

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	40.4	31.6	47.4

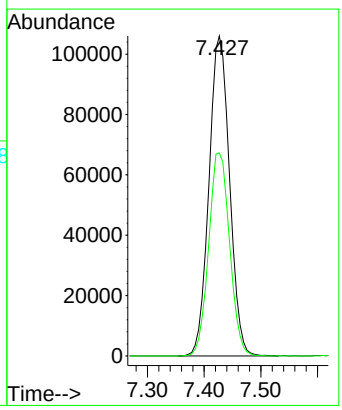


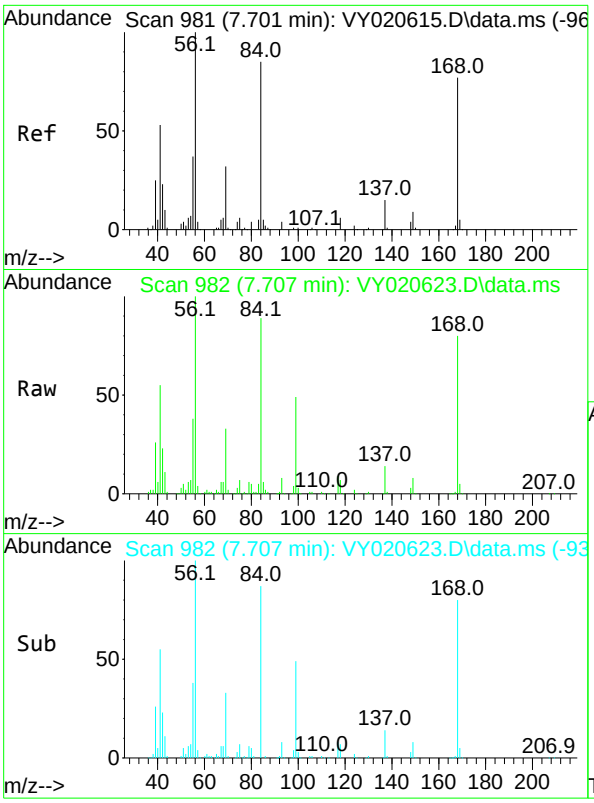


#30
Chloroform
Concen: 56.991 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 83 Resp: 267283

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1



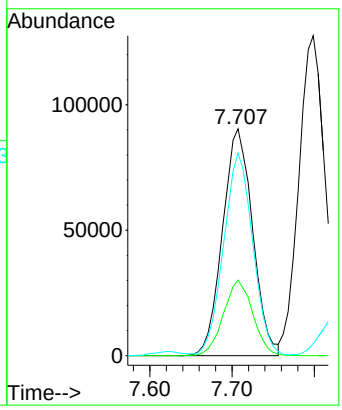


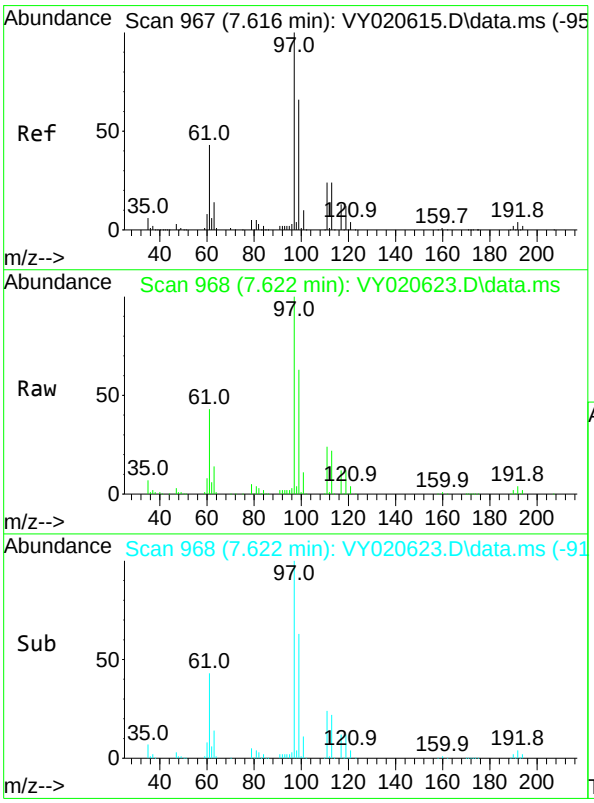
#31
Cyclohexane
Concen: 50.933 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 56 Resp: 230457

Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.4	38.0
84	87.9	68.3	102.5

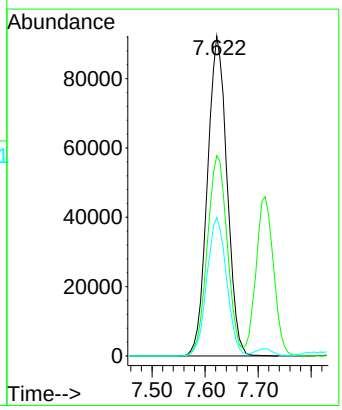


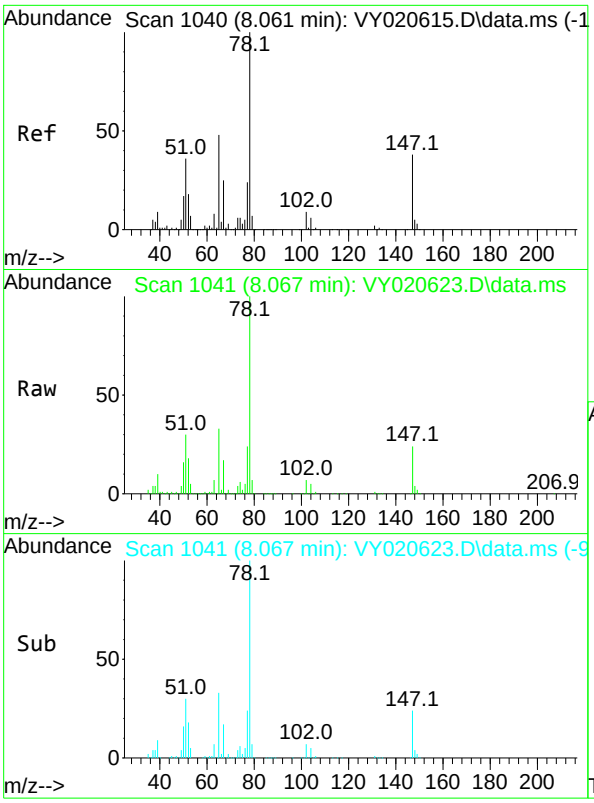


#32
1,1,1-Trichloroethane
Concen: 54.484 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 97 Resp: 236866

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.6	34.7	52.1



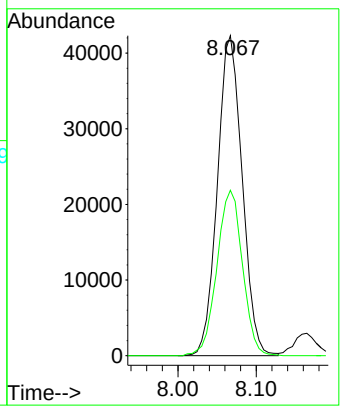


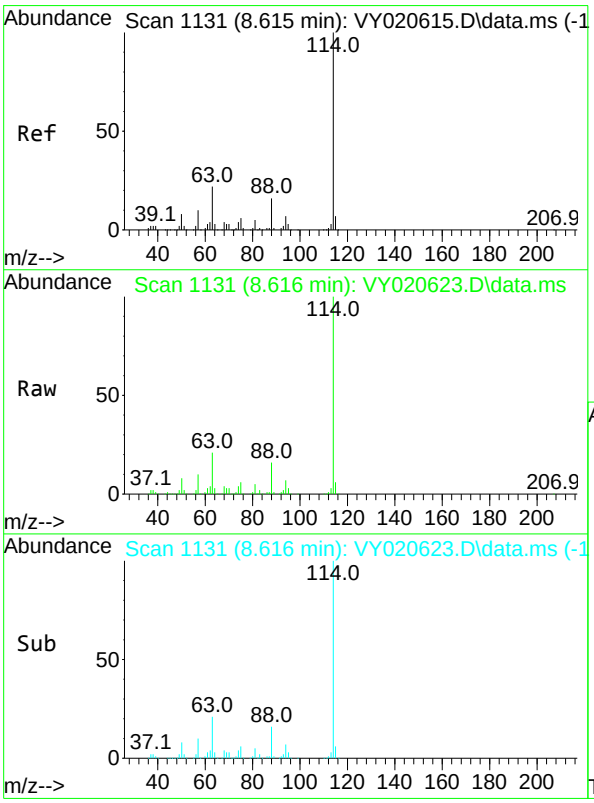
#33
1,2-Dichloroethane-d4
Concen: 46.890 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 65 Resp: 93039

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.0

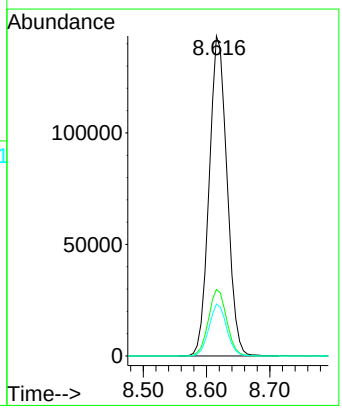


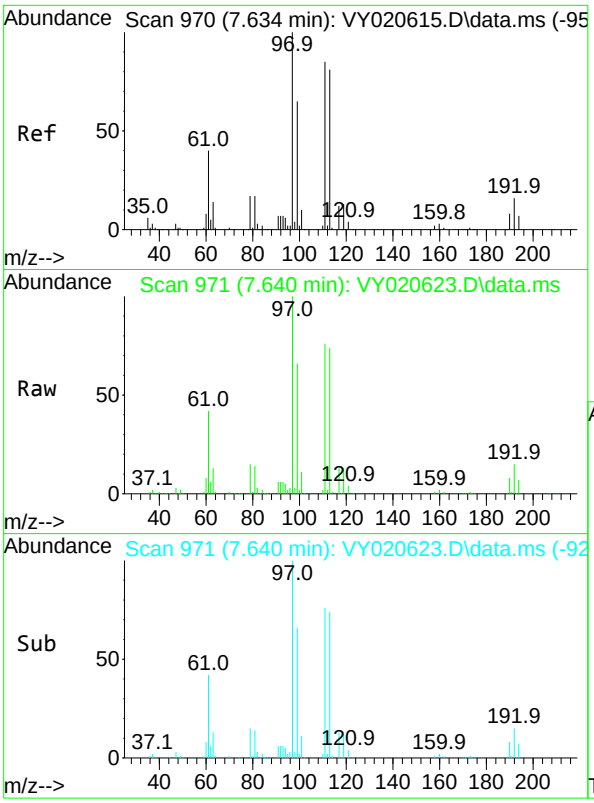


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:114 Resp: 281800

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.2	0.0	32.8



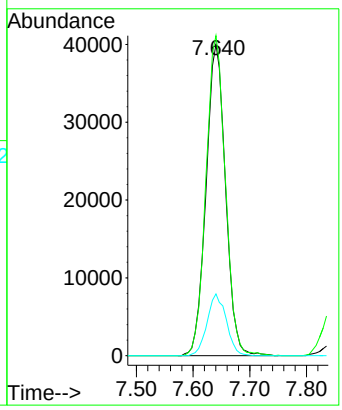


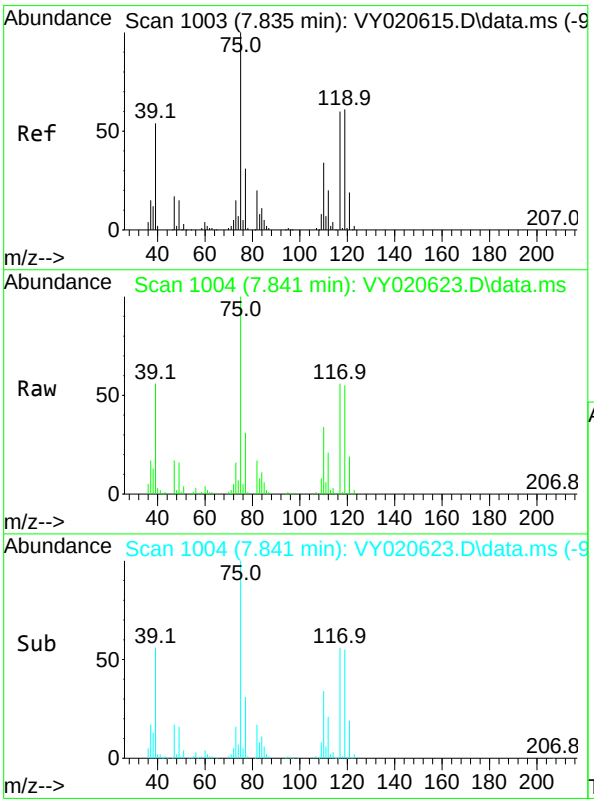
#35
Dibromofluoromethane
Concen: 48.152 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:113 Resp: 95632

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	19.5	15.7	23.5

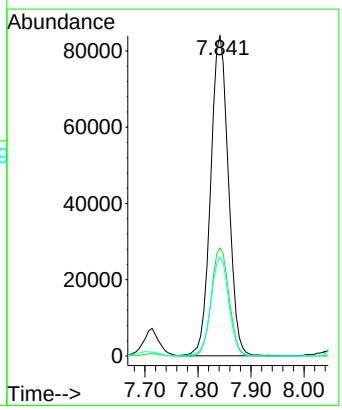


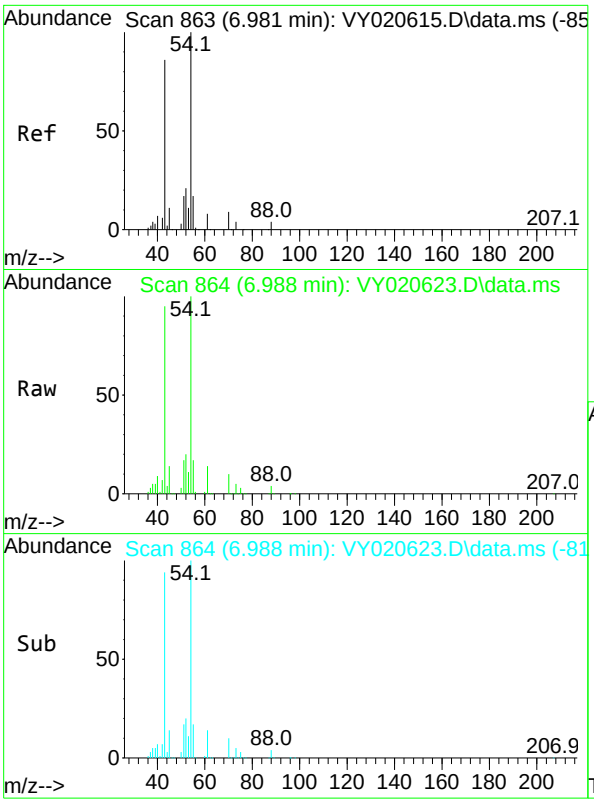


#36
1,1-Dichloropropene
Concen: 53.976 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 195474

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.2	25.0	37.6



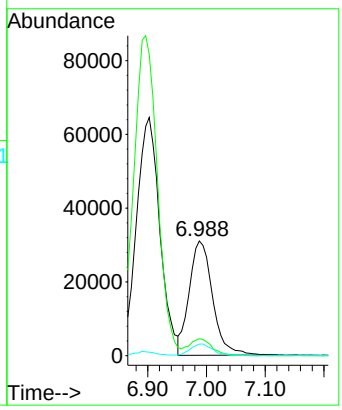


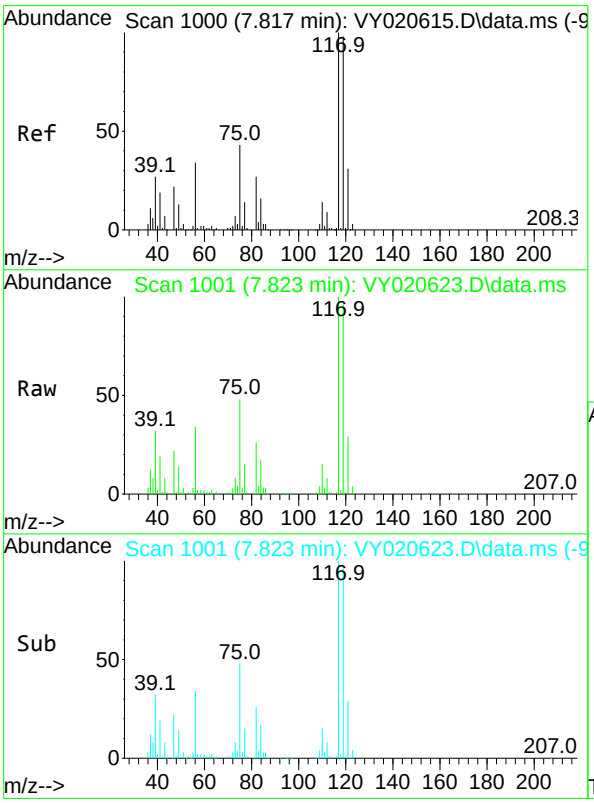
#37
Ethyl Acetate
Concen: 50.307 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 85696

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	9.8	7.9	11.9

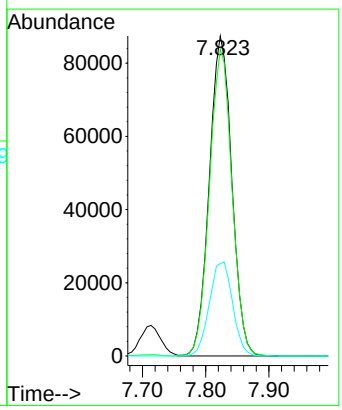


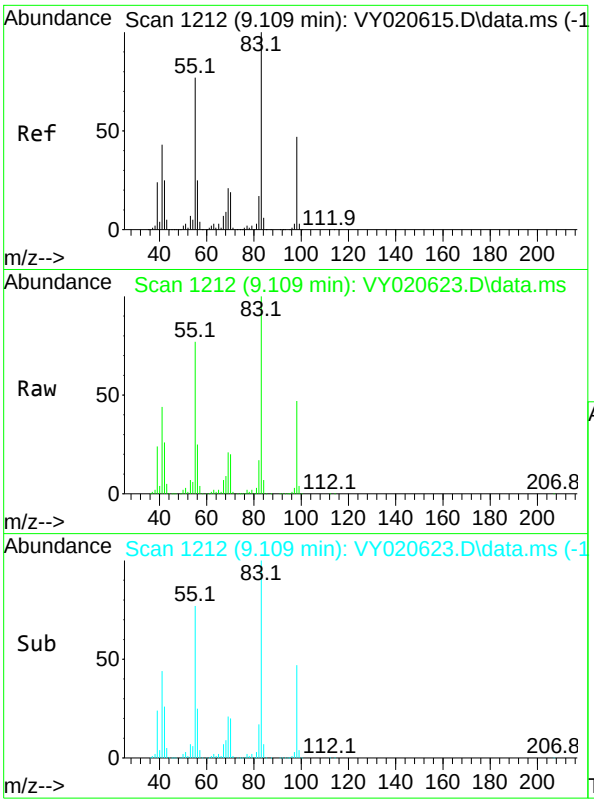


#38
Carbon Tetrachloride
Concen: 53.714 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:117 Resp: 215219

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	28.9	25.1	37.7



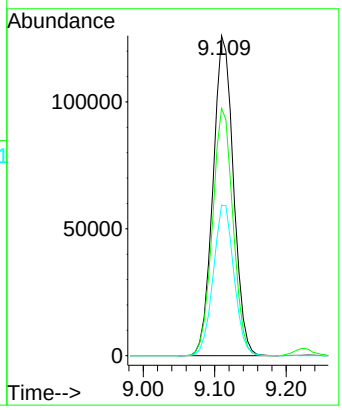


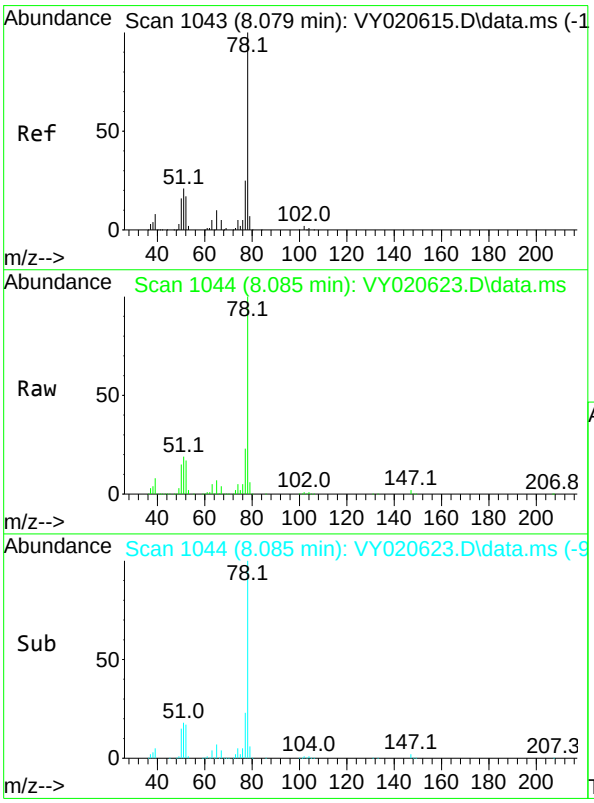
#39
Methylcyclohexane
Concen: 53.013 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 83 Resp: 250222

Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.4	92.0
98	47.1	37.3	55.9

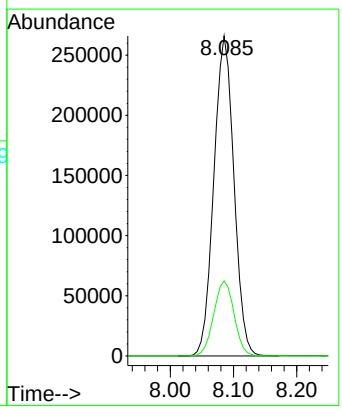


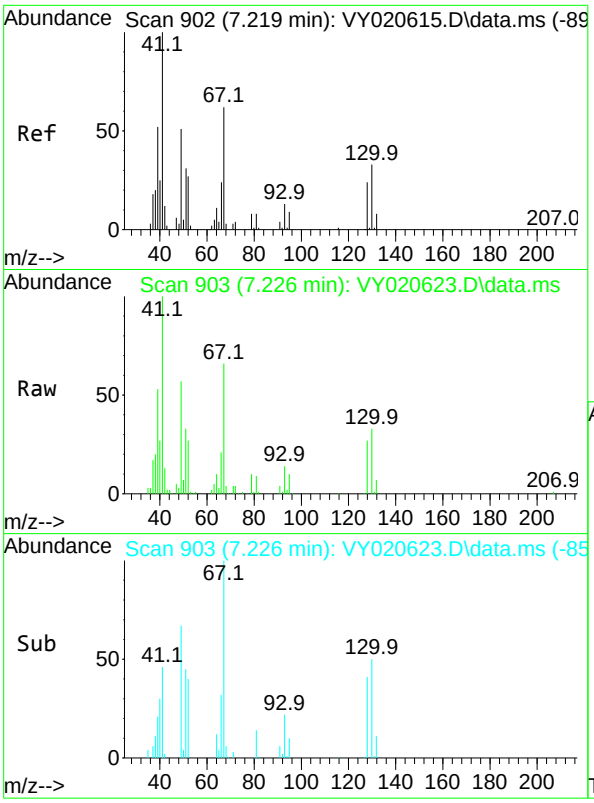


#40
Benzene
Concen: 55.083 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 78 Resp: 584718

Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.1	30.1



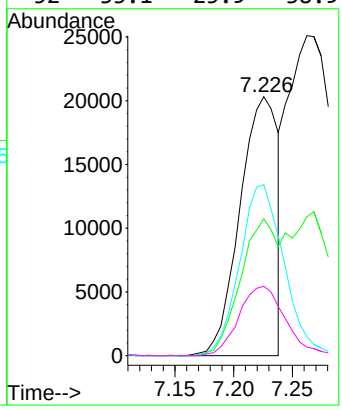


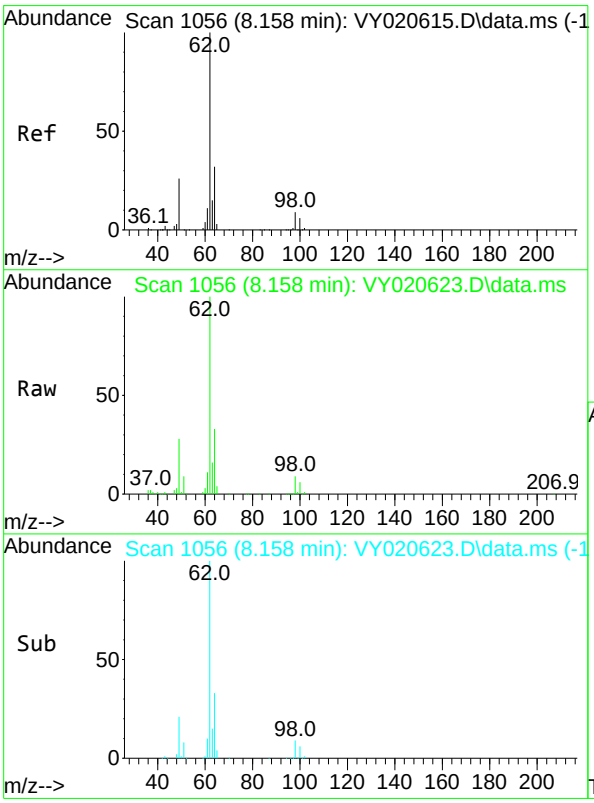
#41
Methacrylonitrile
Concen: 50.678 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 41 Resp: 45639

Ion	Ratio	Lower	Upper
41	100		
39	51.3	53.6	80.4#
67	77.6	62.0	93.0
52	33.1	25.9	38.9

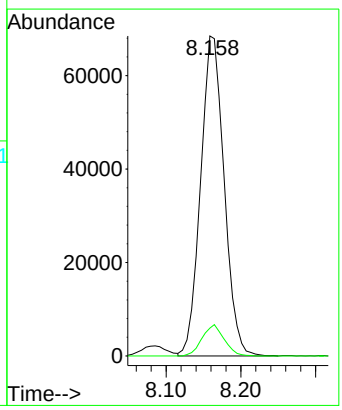


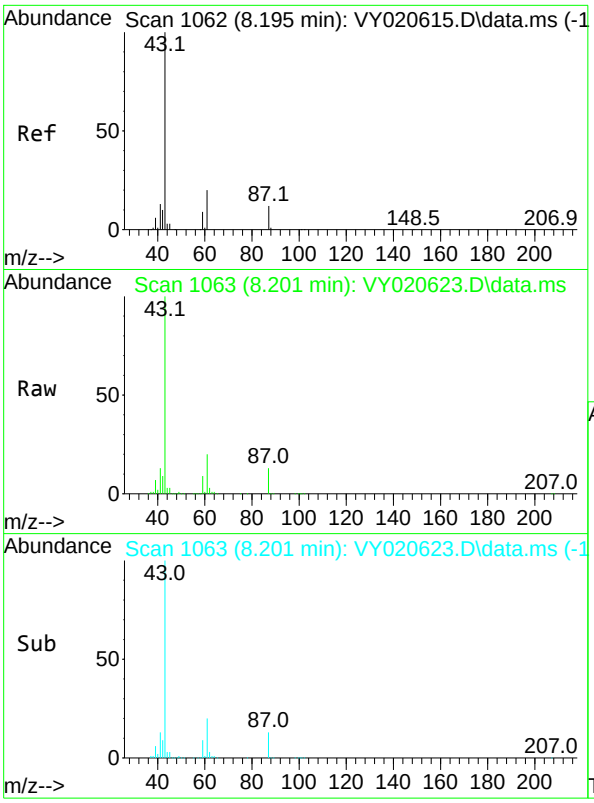


#42
1,2-Dichloroethane
Concen: 53.147 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 62 Resp: 149628

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0



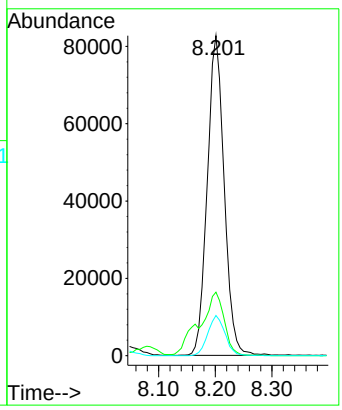


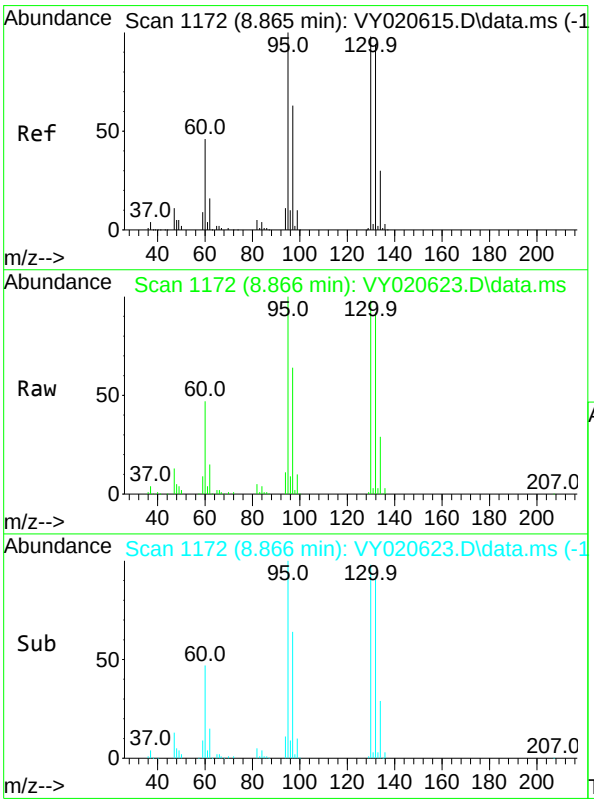
#43
Isopropyl Acetate
Concen: 52.984 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 170873

Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	12.8	10.2	15.4

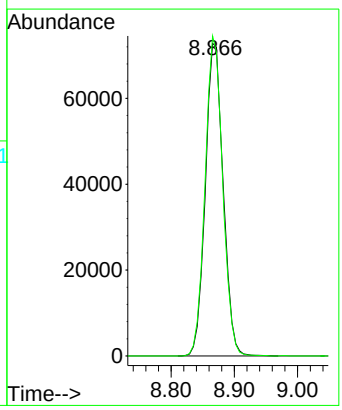


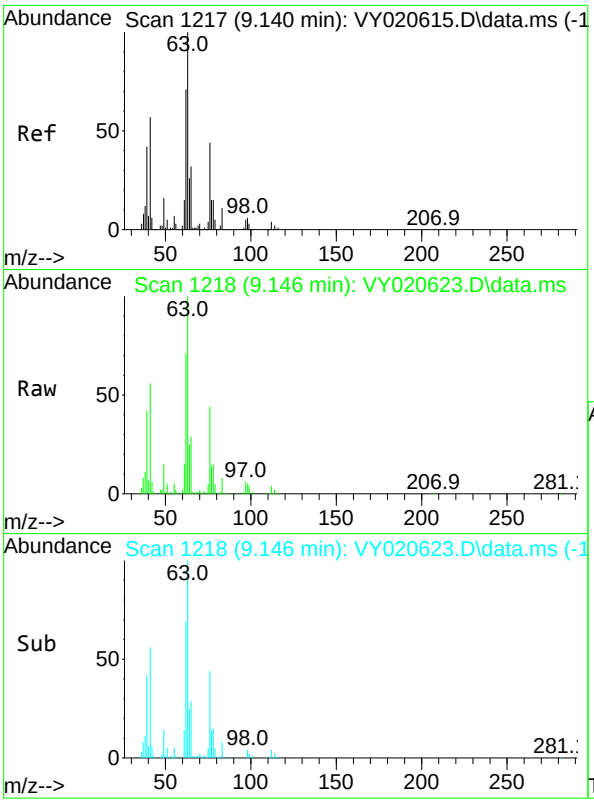


#44
Trichloroethene
Concen: 54.743 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:130 Resp: 142790

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	203.2



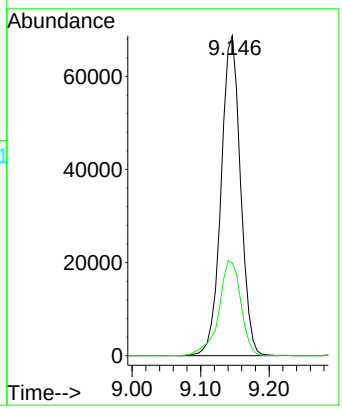


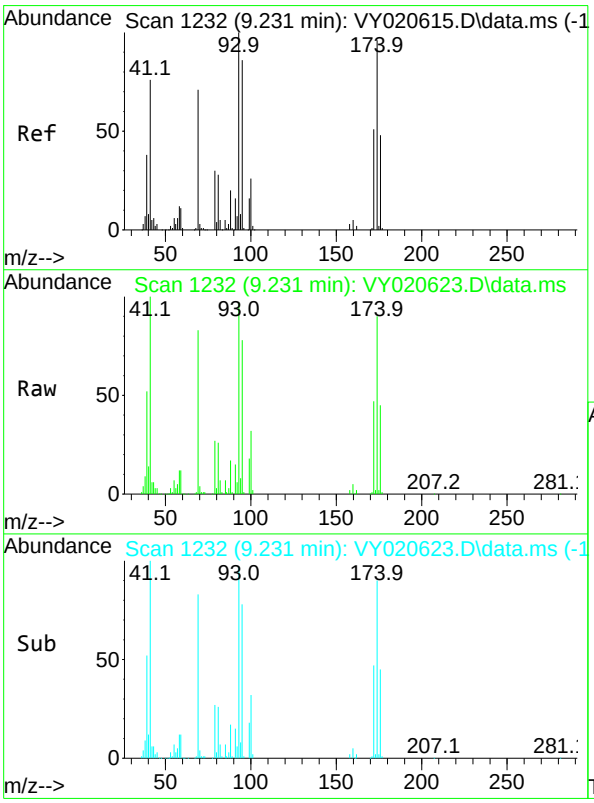
#45
1,2-Dichloropropane
Concen: 54.411 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 63 Resp: 134987

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.9	38.9

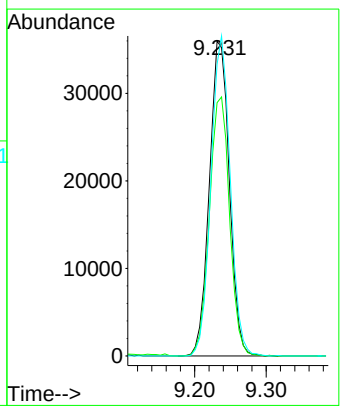


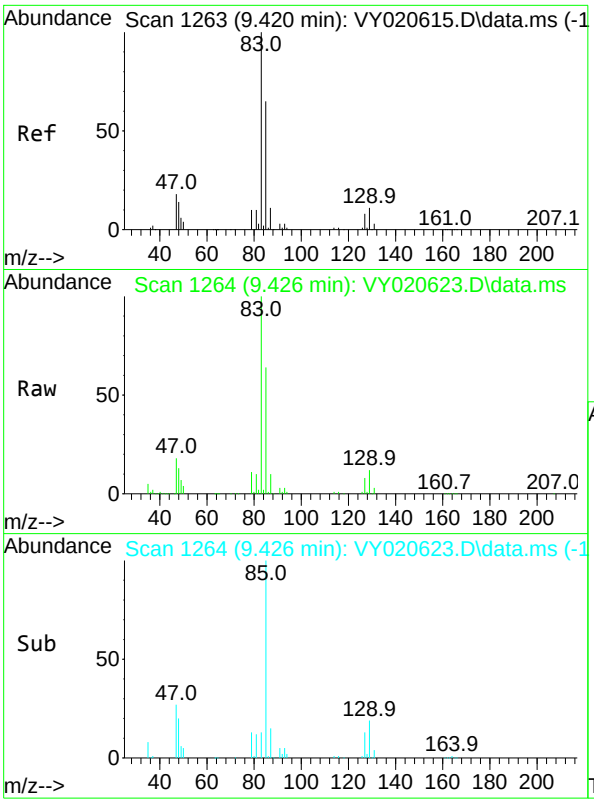


#46
Dibromomethane
Concen: 53.233 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 93 Resp: 69796

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	98.1	77.8	116.6



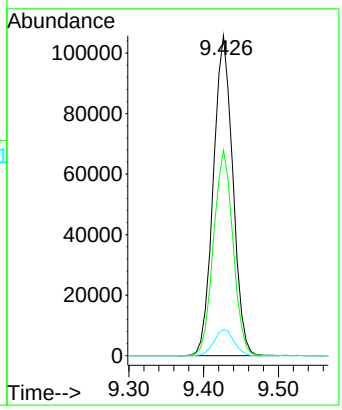


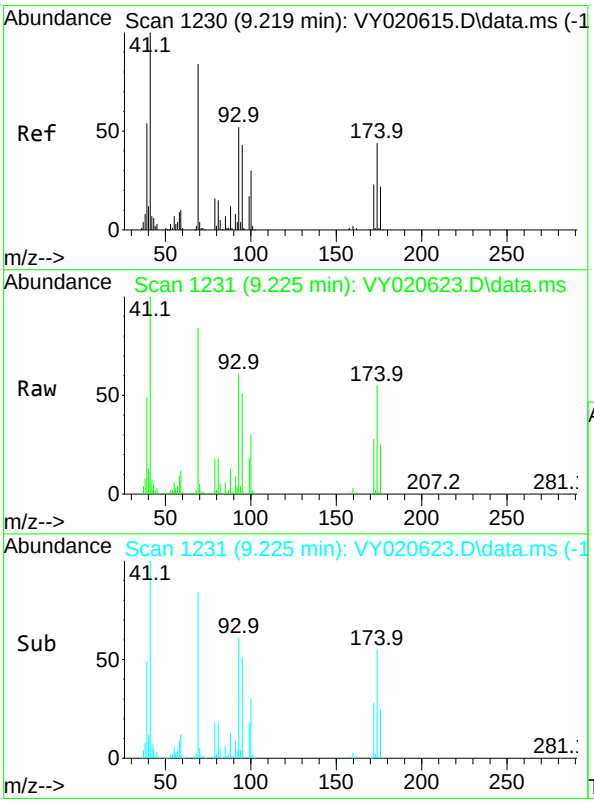
#47
Bromodichloromethane
Concen: 54.141 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 83 Resp: 191747

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1
127	8.2	6.7	10.1

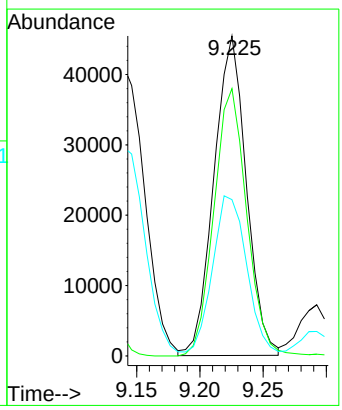


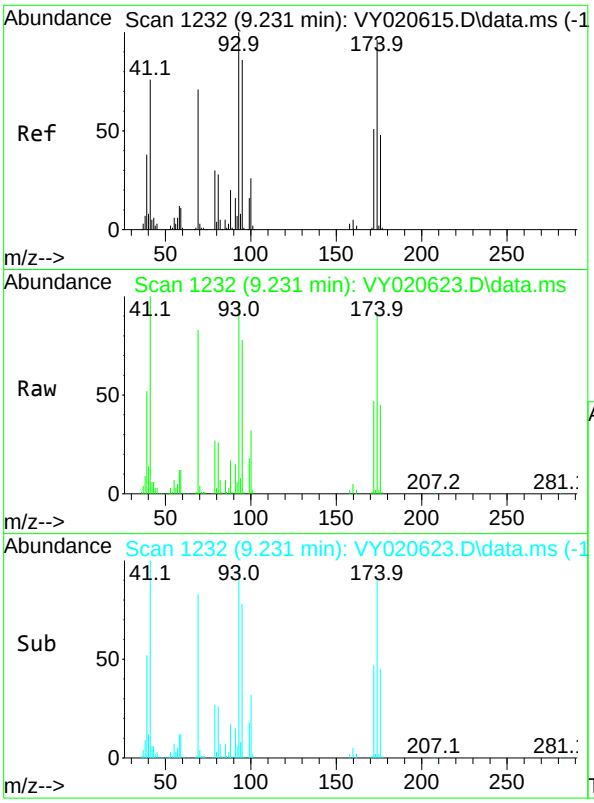


#48
Methyl methacrylate
Concen: 52.797 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 41 Resp: 80945

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.2	100.8
39	50.9	42.2	63.4



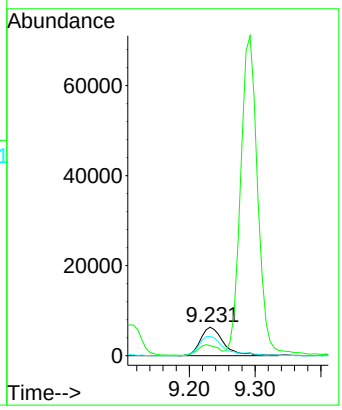


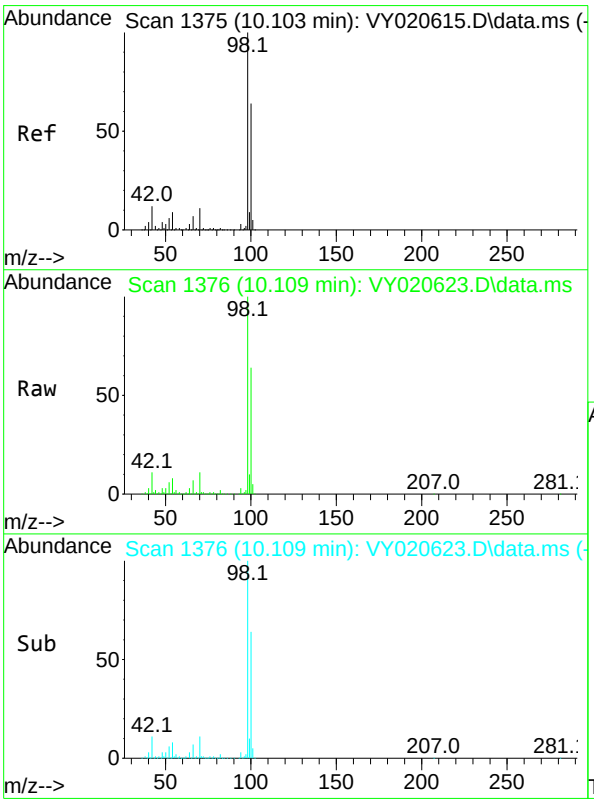
#49
1,4-Dioxane
Concen: 1032.238 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 88 Resp: 15521

Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.6	41.4
58	73.5	61.7	92.5

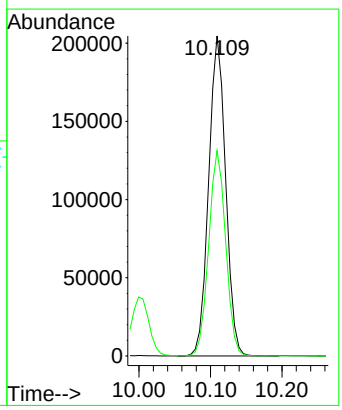


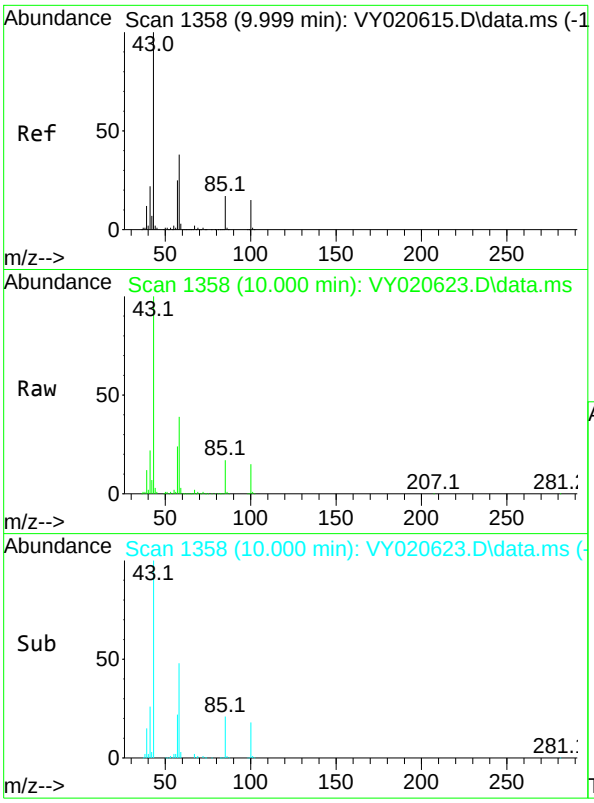


#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 98 Resp: 336852

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



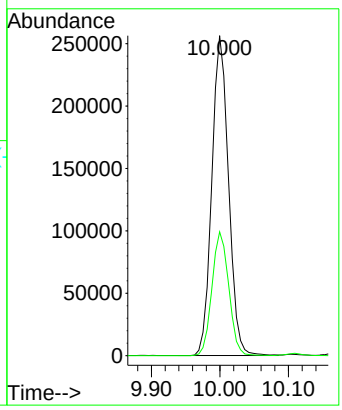


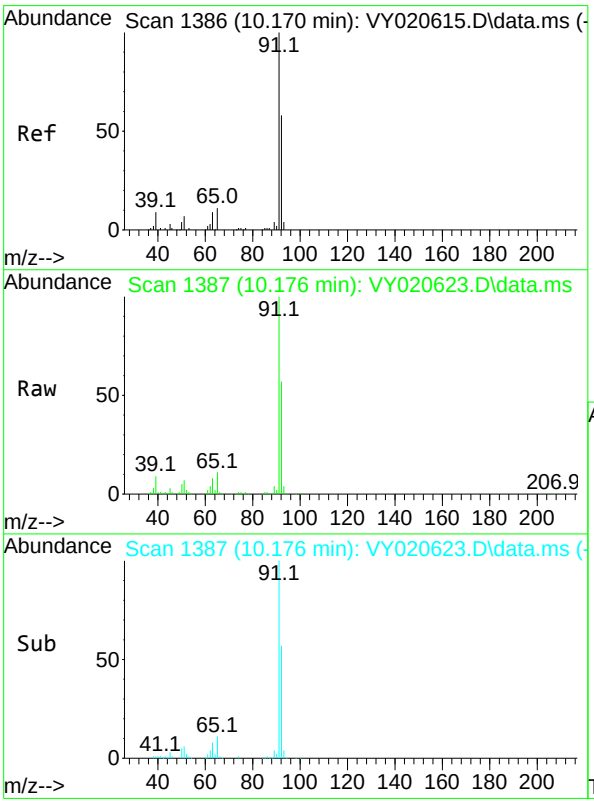
#51
4-Methyl-2-Pentanone
Concen: 255.497 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 434924

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.4	47.2

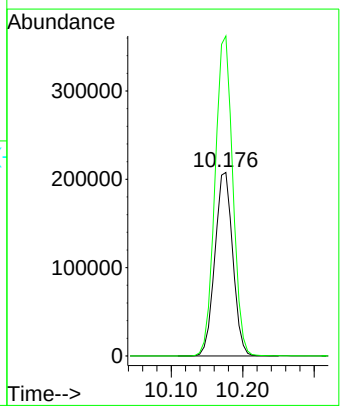


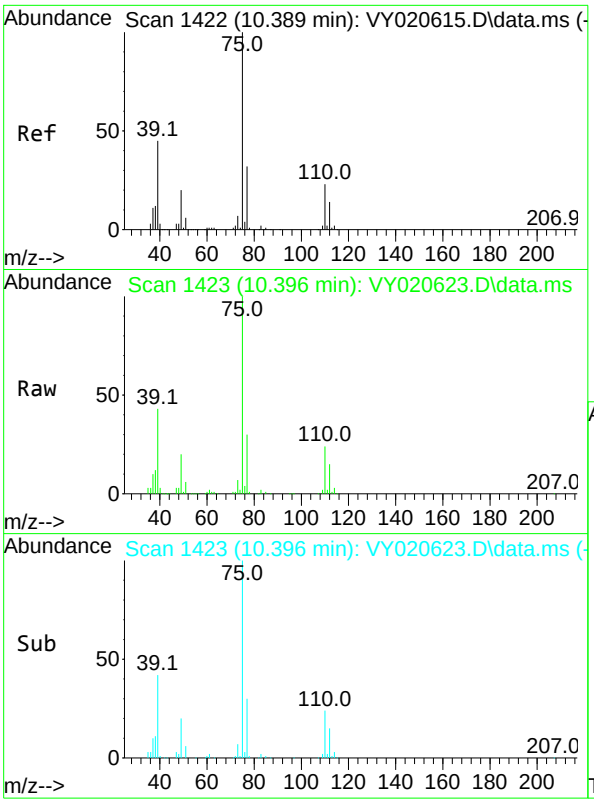


#52
Toluene
Concen: 54.590 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 92 Resp: 360124

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.4	206.0



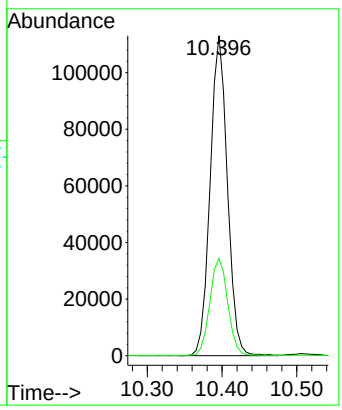


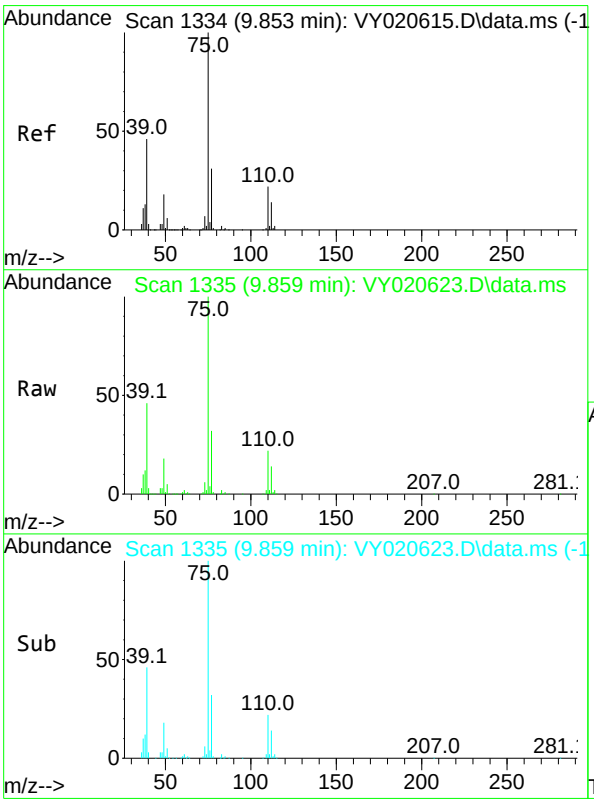
#53
t-1,3-Dichloropropene
Concen: 54.904 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 75 Resp: 181188

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2

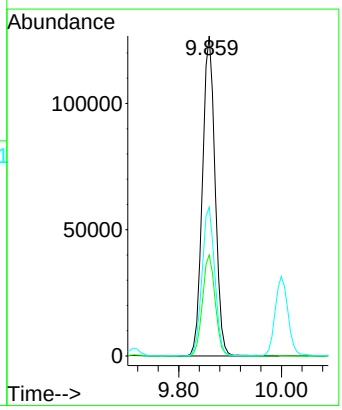


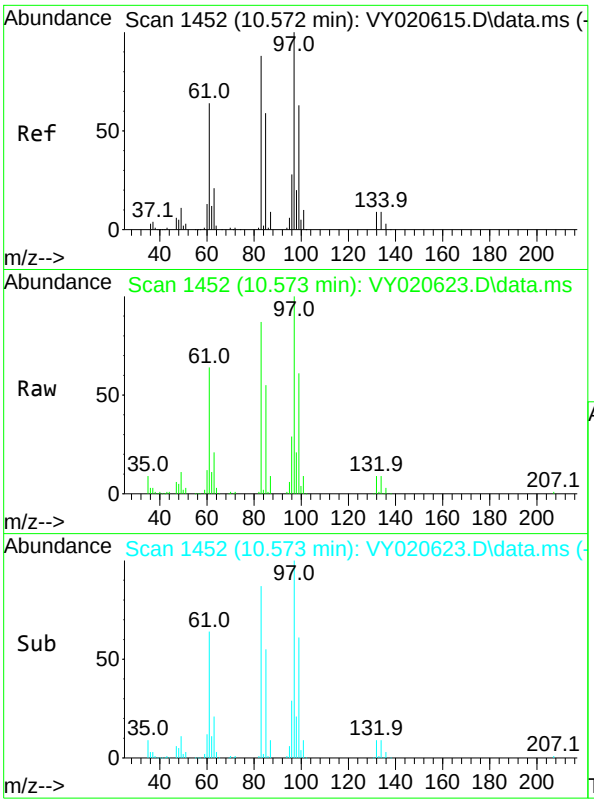


#54
cis-1,3-Dichloropropene
Concen: 55.329 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 216369

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	46.4	36.4	54.6



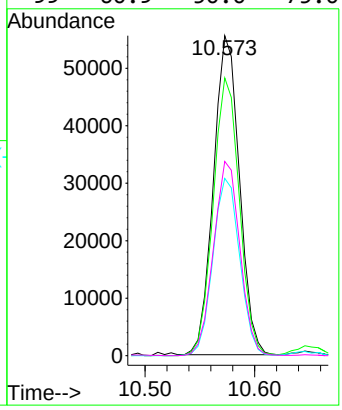


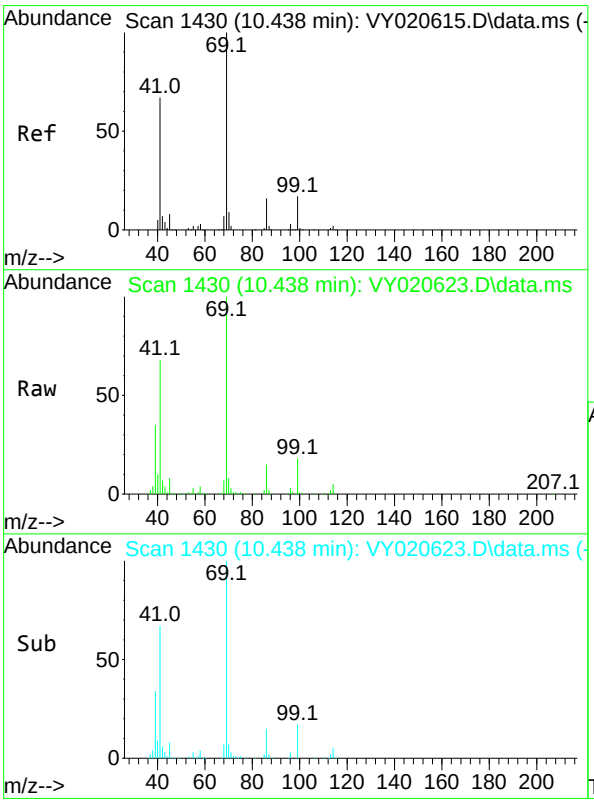
#55
1,1,2-Trichloroethane
Concen: 52.705 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 97 Resp: 91364

Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.4	105.6
85	55.5	47.2	70.8
99	60.9	50.0	75.0

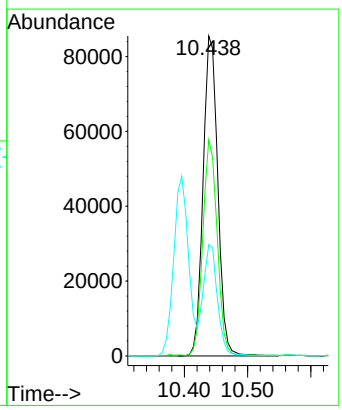


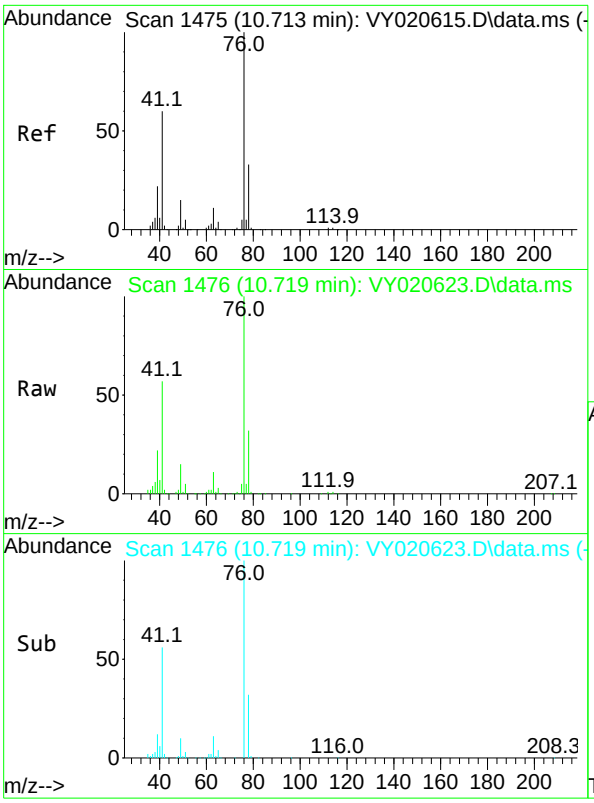


#56
Ethyl methacrylate
Concen: 55.009 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 69 Resp: 138340

Ion	Ratio	Lower	Upper
69	100		
41	66.0	54.0	81.0
39	33.5	27.9	41.9



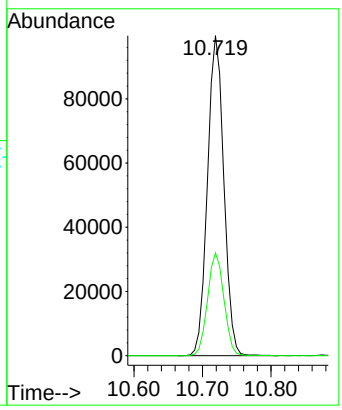


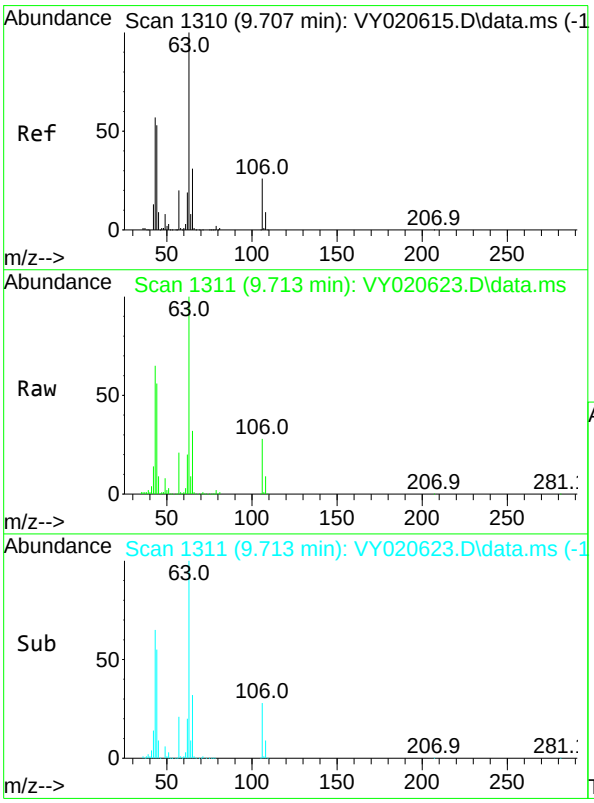
#57
1,3-Dichloropropane
Concen: 53.466 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 76 Resp: 165219

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

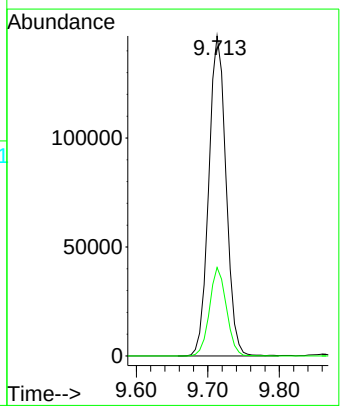


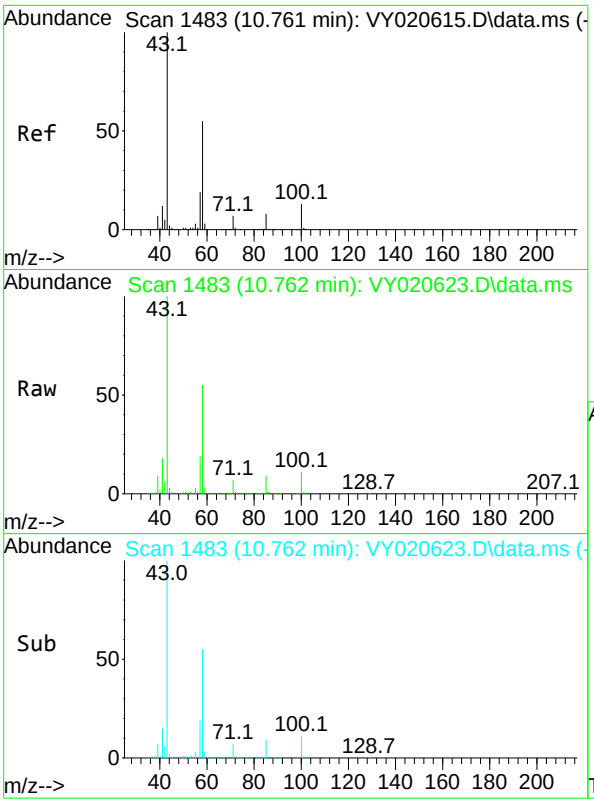


#58
2-Chloroethyl Vinyl ether
Concen: 232.929 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 63 Resp: 246475

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3



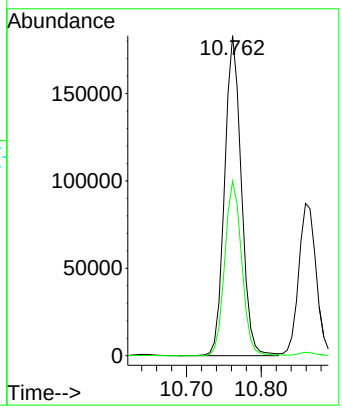


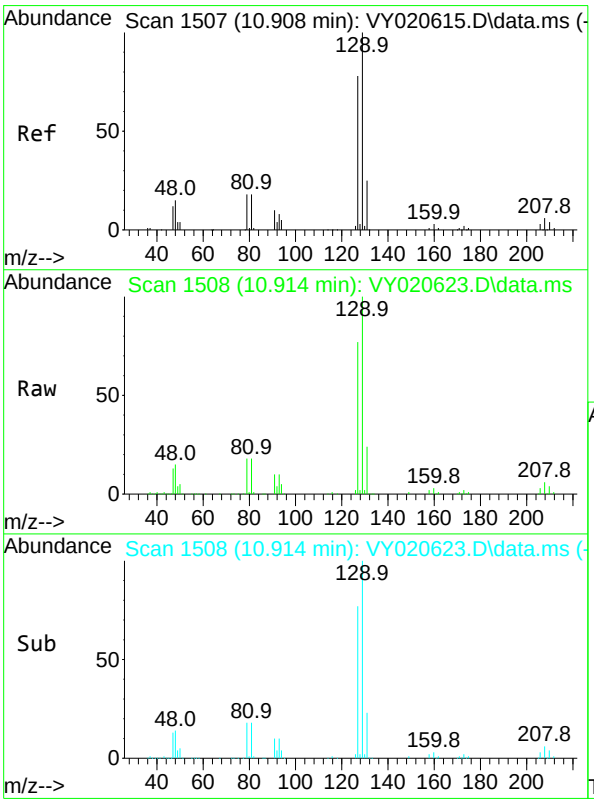
#59
2-Hexanone
Concen: 260.158 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 43 Resp: 284335

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.2	81.6

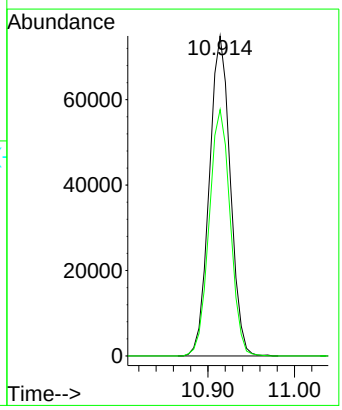


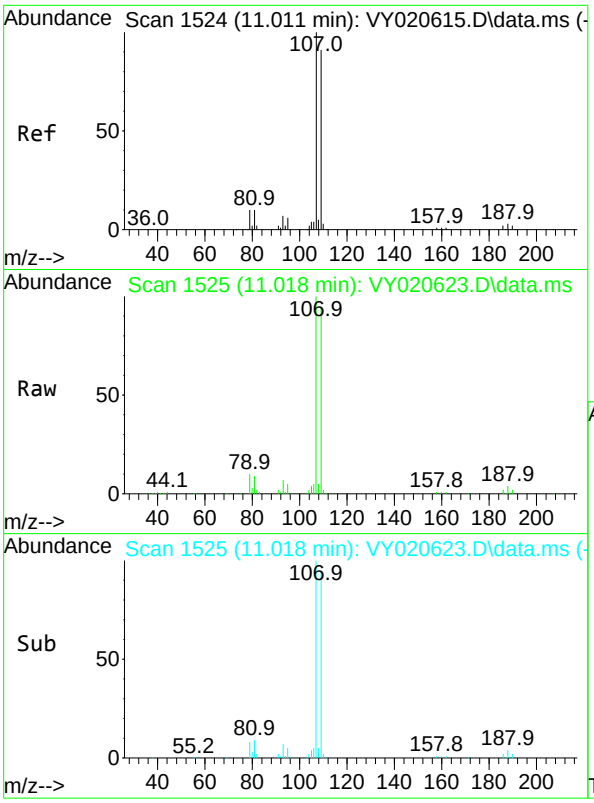


#60
Dibromochloromethane
Concen: 54.359 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:129 Resp: 126021

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



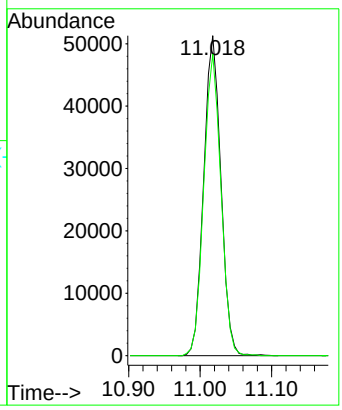


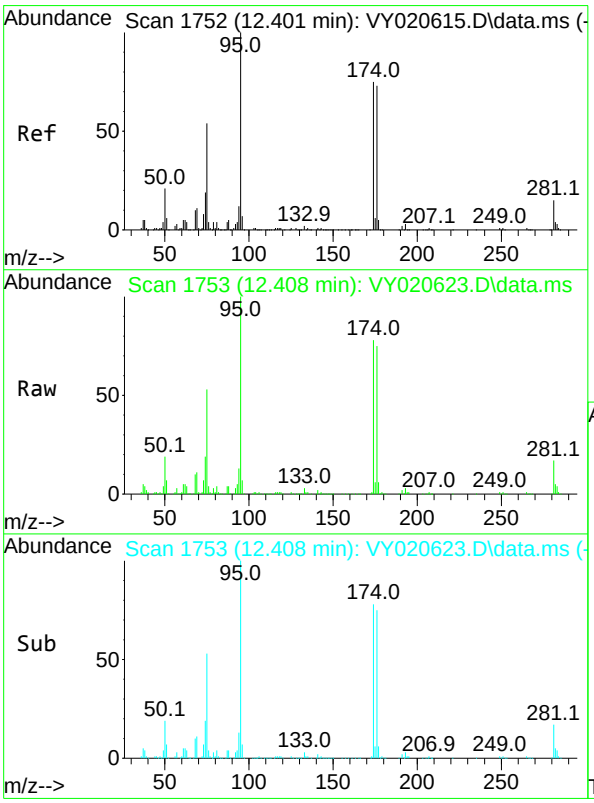
#61
1,2-Dibromoethane
Concen: 52.944 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:107 Resp: 85370

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

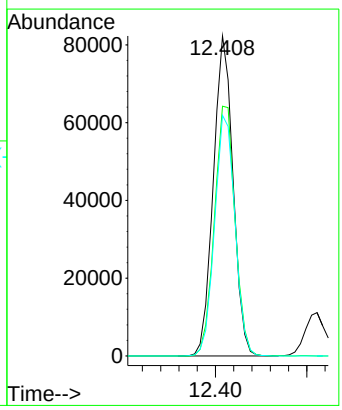


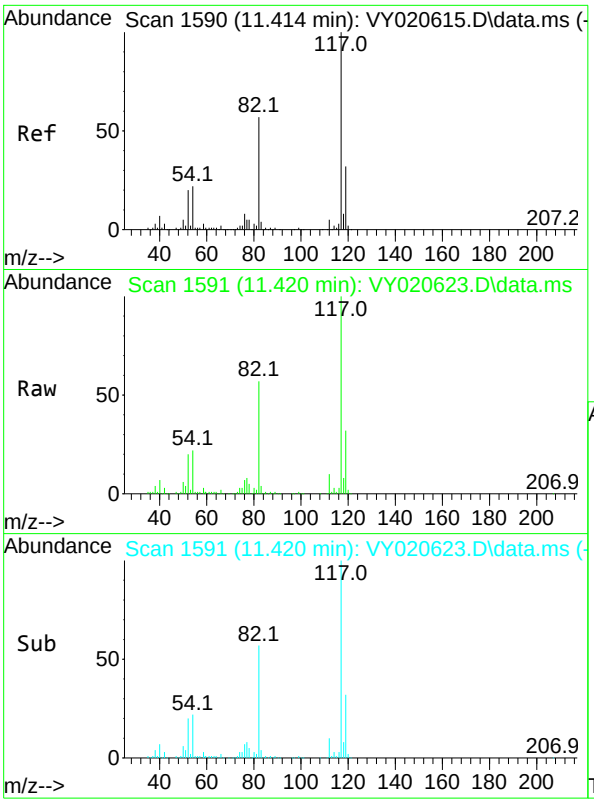


#62
4-Bromofluorobenzene
Concen: 45.267 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 95 Resp: 123092

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.8
176	77.8	0.0	156.6



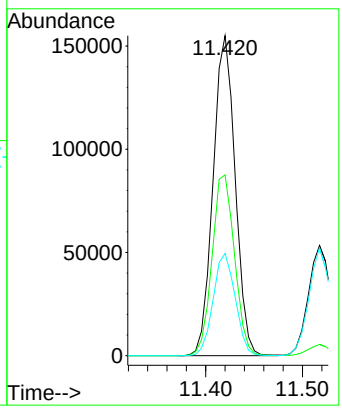


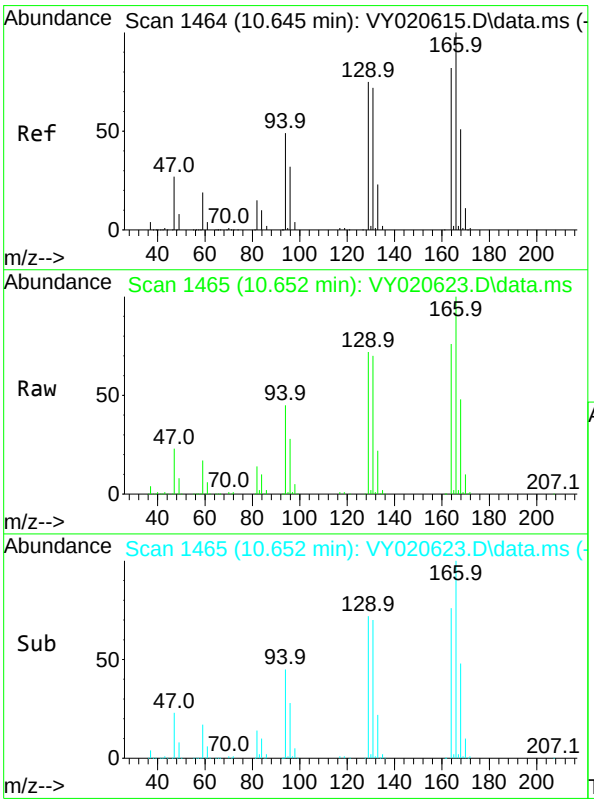
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:117 Resp: 246057

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.6
119	31.9	25.3	37.9

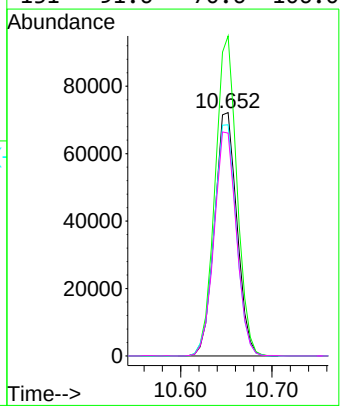


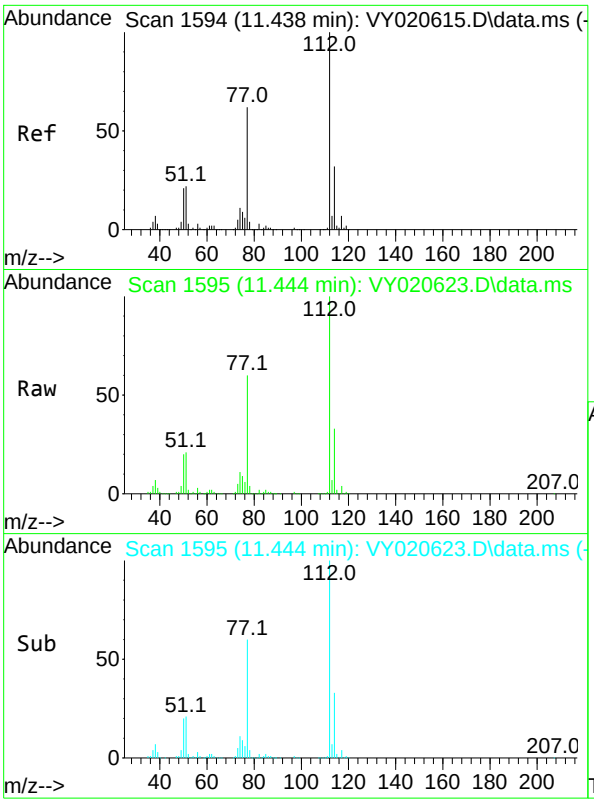


#64
Tetrachloroethene
Concen: 53.056 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:164 Resp: 122795

Ion	Ratio	Lower	Upper
164	100		
166	131.5	97.9	146.9
129	95.0	73.4	110.0
131	91.6	70.6	106.0



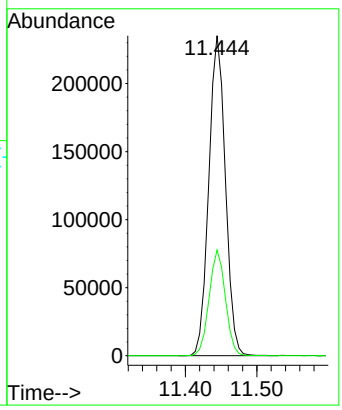


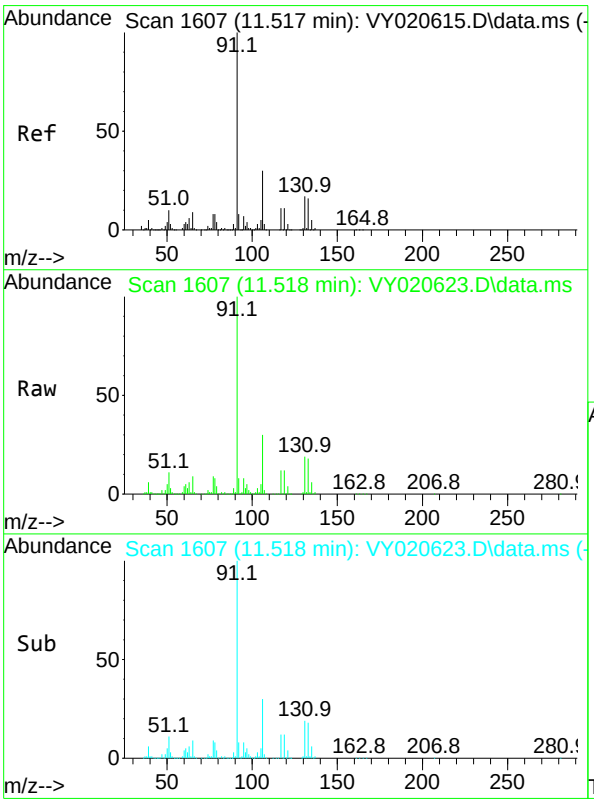
#65
Chlorobenzene
Concen: 55.019 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:112 Resp: 378529

Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.0	39.0

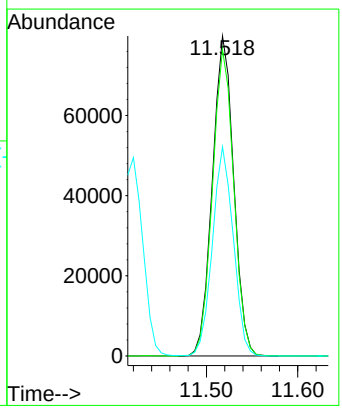


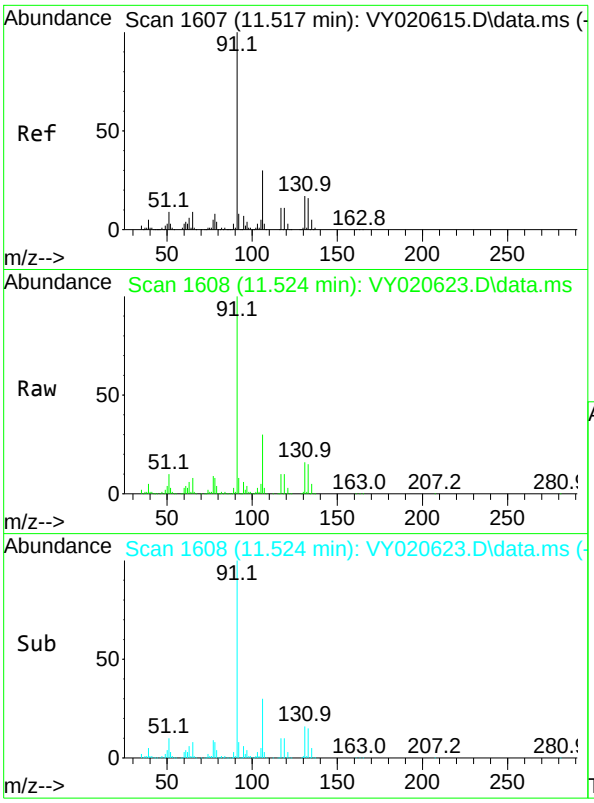


#66
1,1,1,2-Tetrachloroethane
Concen: 55.037 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:131 Resp: 129481

Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.8	140.3
119	64.0	31.8	95.3



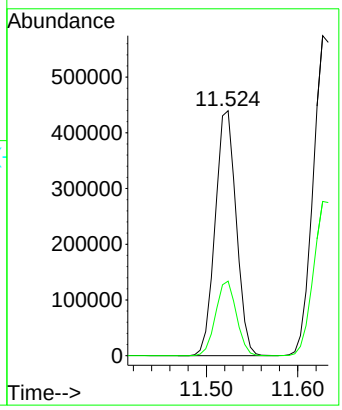


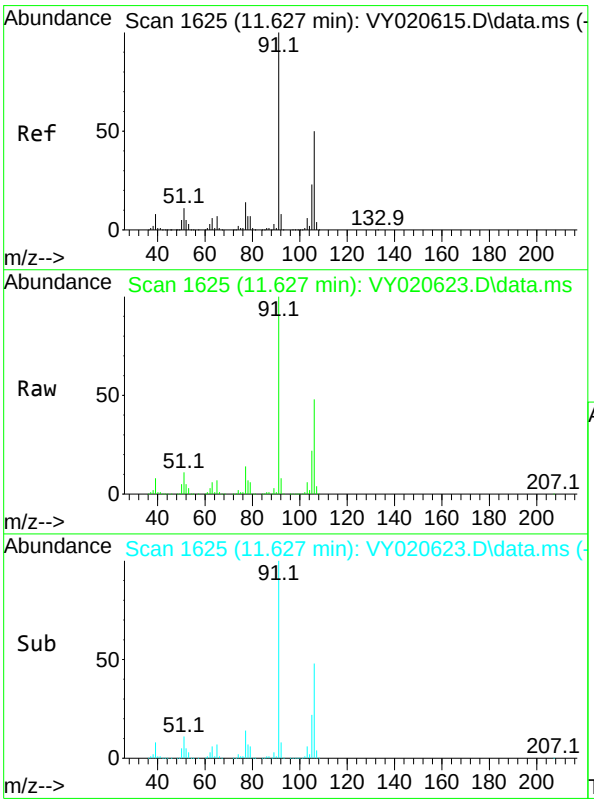
#67
Ethyl Benzene
Concen: 55.393 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 91 Resp: 703089

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

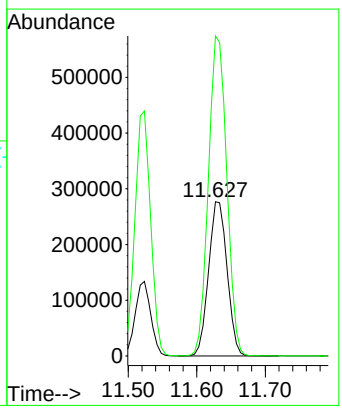


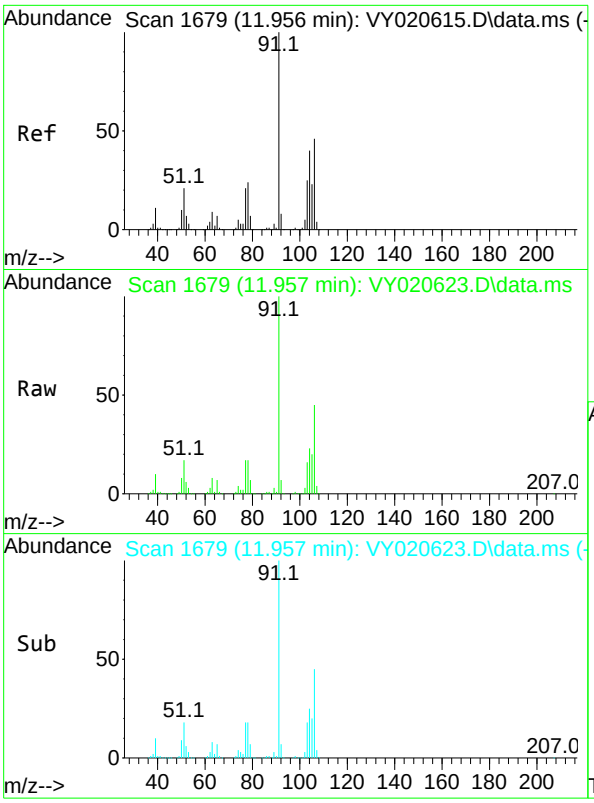


#68
m/p-Xylenes
Concen: 109.995 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:106 Resp: 519103

Ion	Ratio	Lower	Upper
106	100		
91	206.4	165.0	247.4



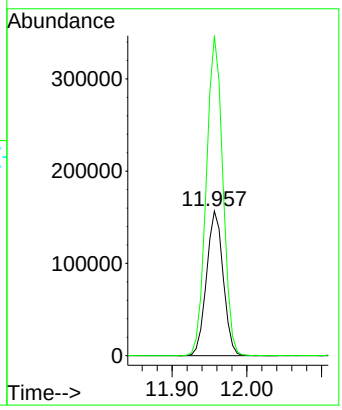


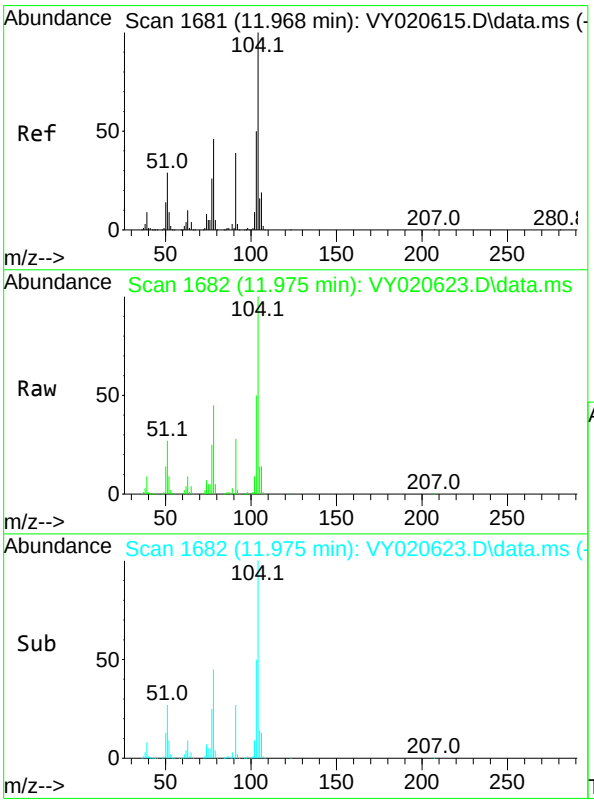
#69
o-Xylene
Concen: 55.129 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:106 Resp: 242747

Ion	Ratio	Lower	Upper
106	100		
91	219.6	108.4	325.2

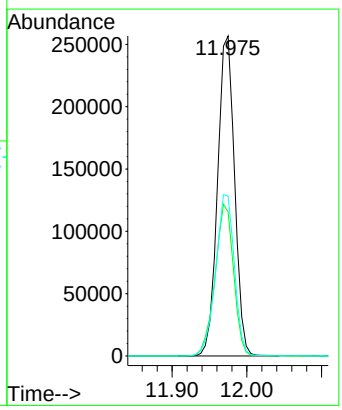


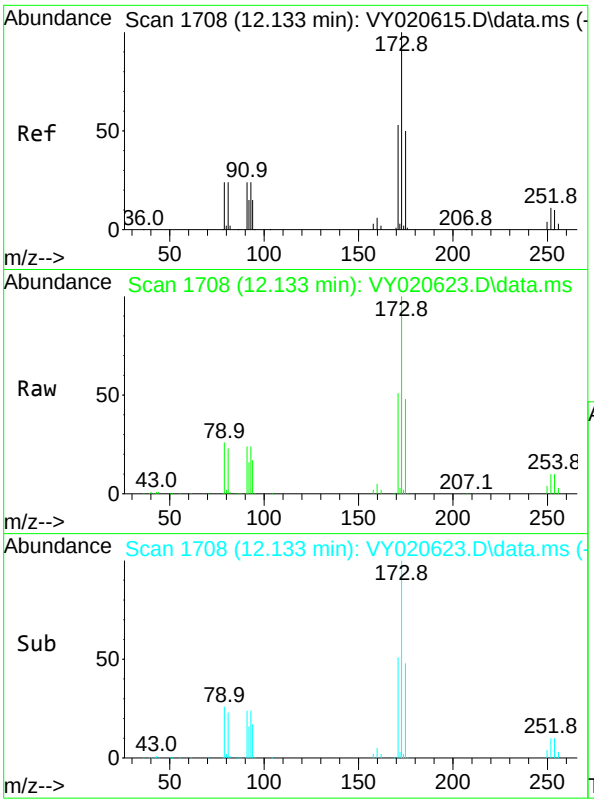


#70
Styrene
Concen: 55.275 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:104 Resp: 406649

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	55.3	43.7	65.5



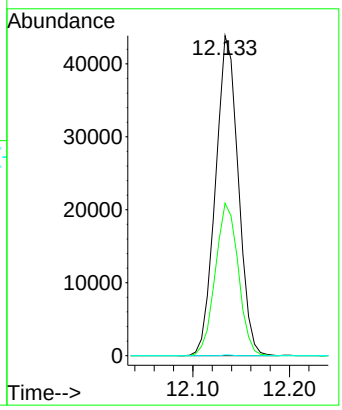


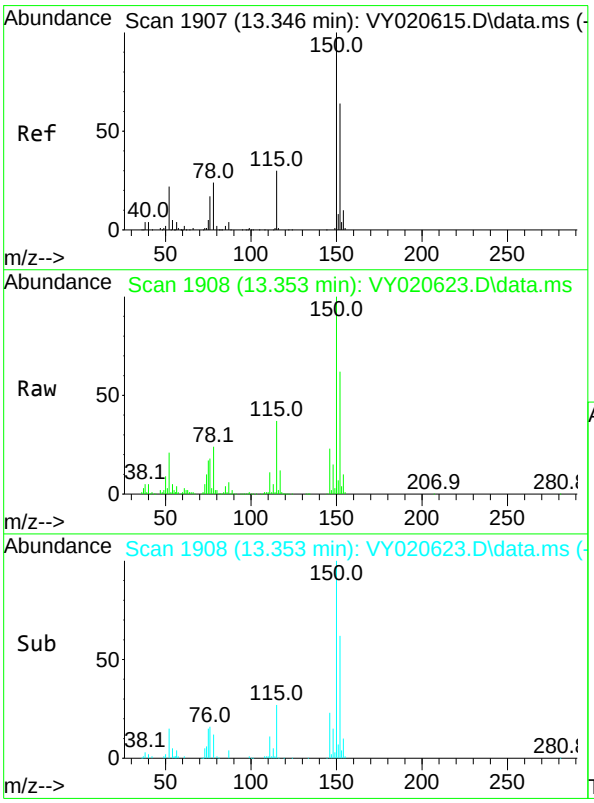
#71
Bromoform
Concen: 54.090 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:173 Resp: 71545

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.1	0.0	0.0#

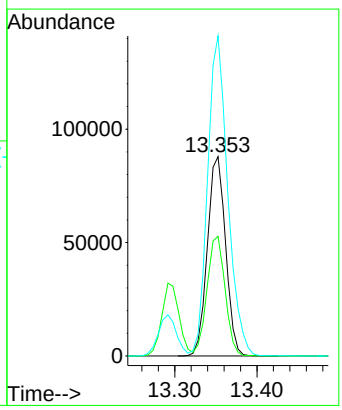


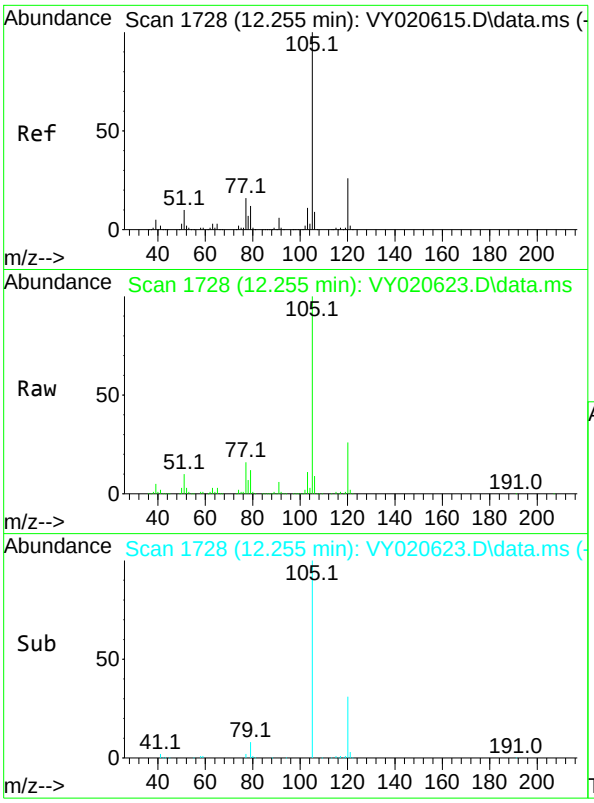


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:152 Resp: 135162

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.2	90.6
150	177.4	0.0	355.4



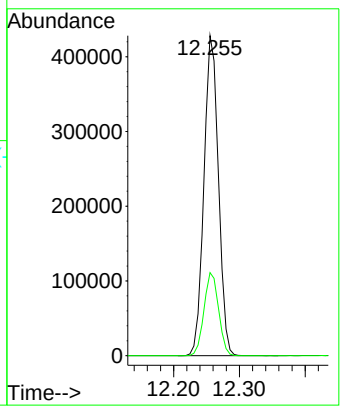


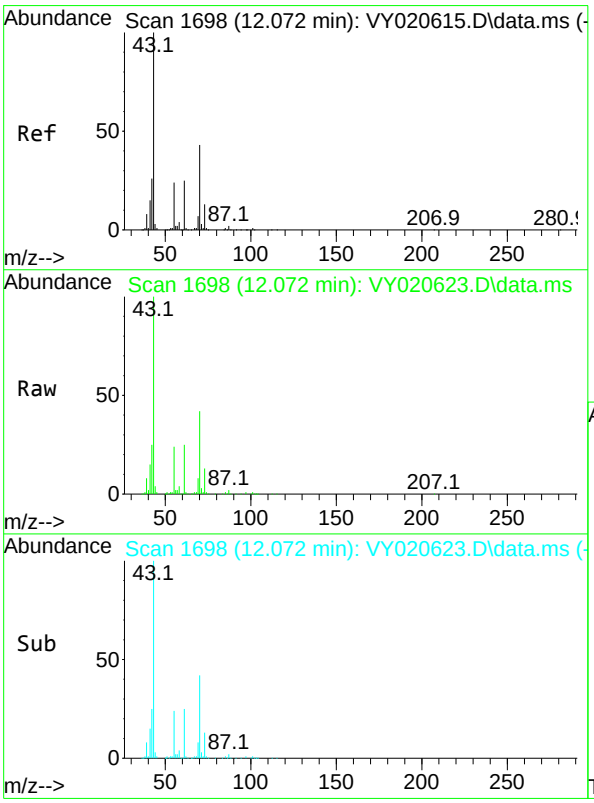
#73
Isopropylbenzene
Concen: 55.541 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:105 Resp: 655105

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.1

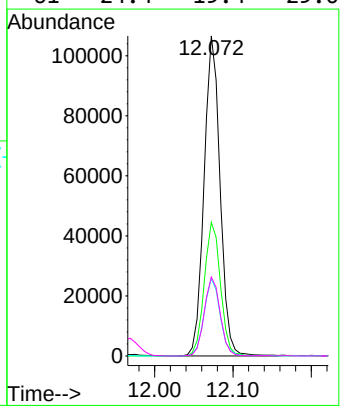


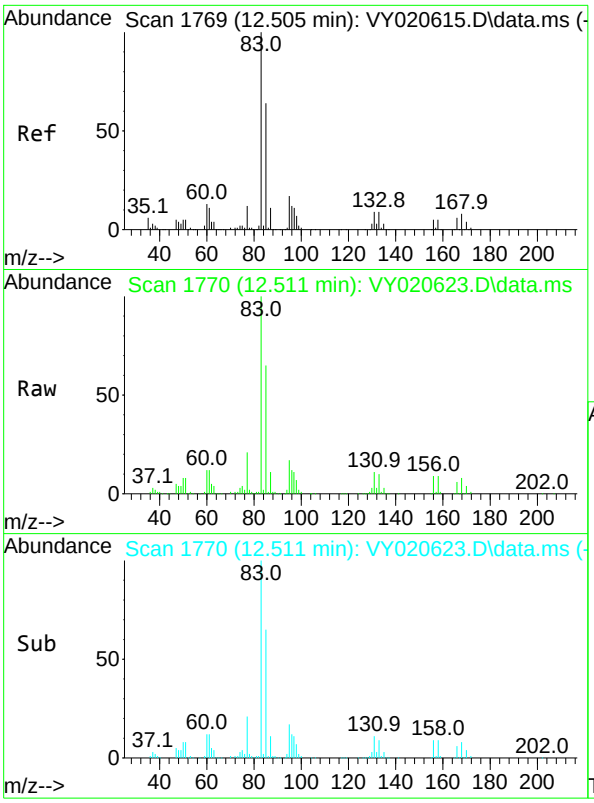


#74
N-amyl acetate
Concen: 54.818 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 43 Resp: 151318

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.2	51.2
55	24.2	19.6	29.4
61	24.4	19.4	29.0



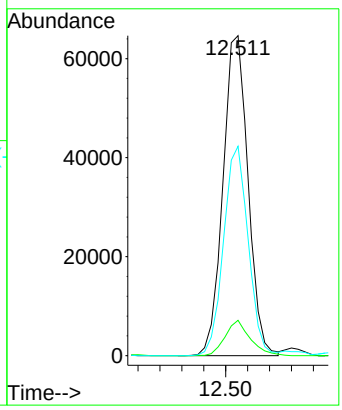


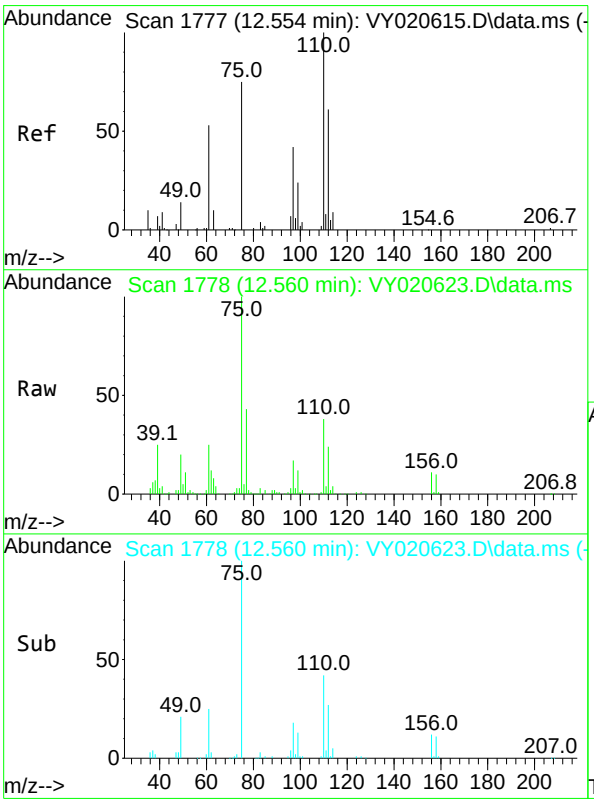
#75
1,1,2,2-Tetrachloroethane
Concen: 53.630 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 83 Resp: 102678

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	64.3	32.5	97.4

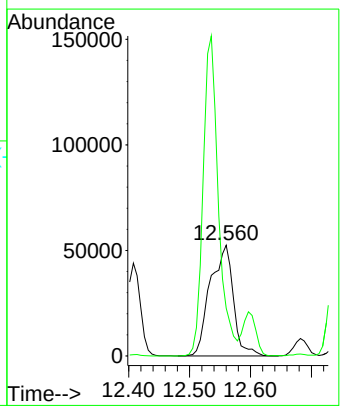


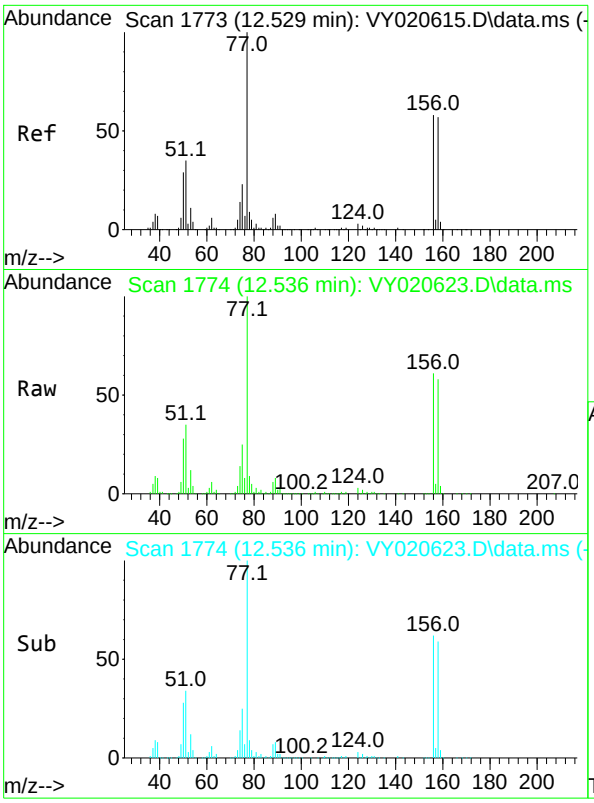


#76
1,2,3-Trichloropropane
Concen: 98.983 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 138980

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



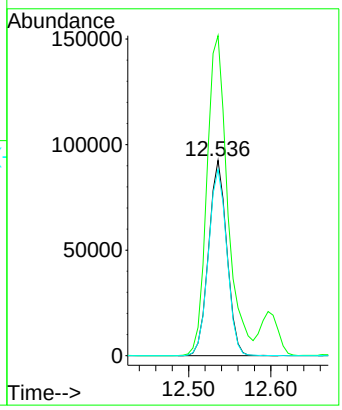


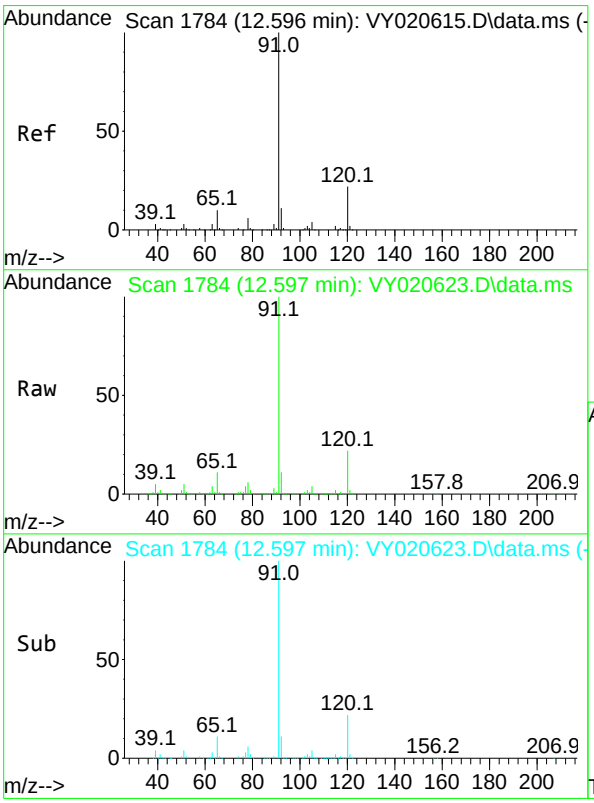
#77
Bromobenzene
Concen: 55.233 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:156 Resp: 141911

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.2	282.4
158	96.9	48.9	146.6

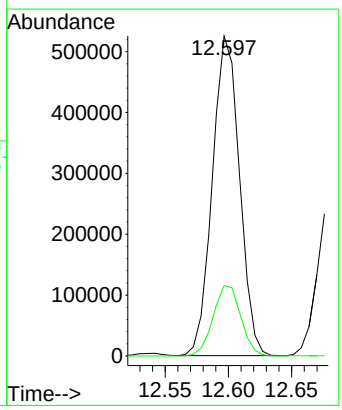


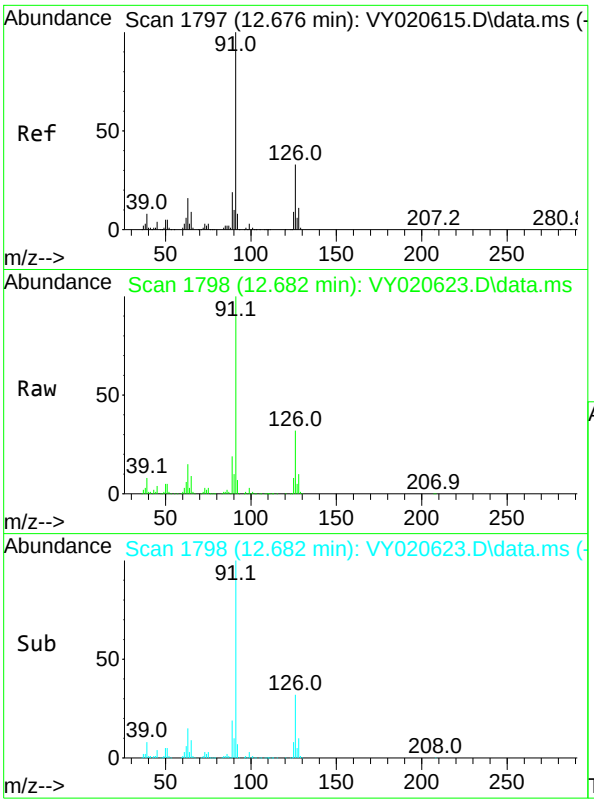


#78
n-propylbenzene
Concen: 55.137 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 783540

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



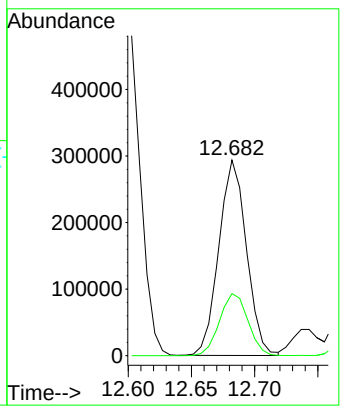


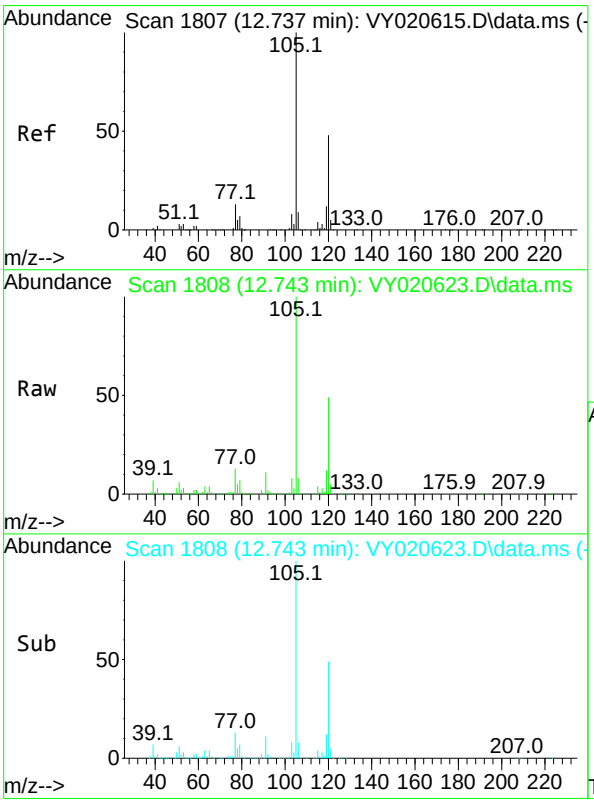
#79
2-Chlorotoluene
Concen: 55.818 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 91 Resp: 446278

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.7

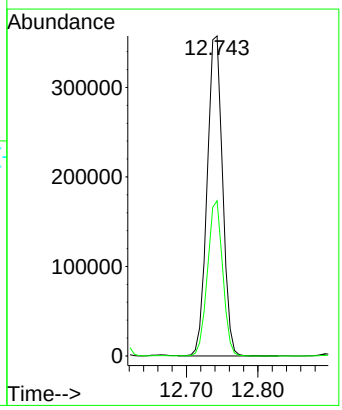


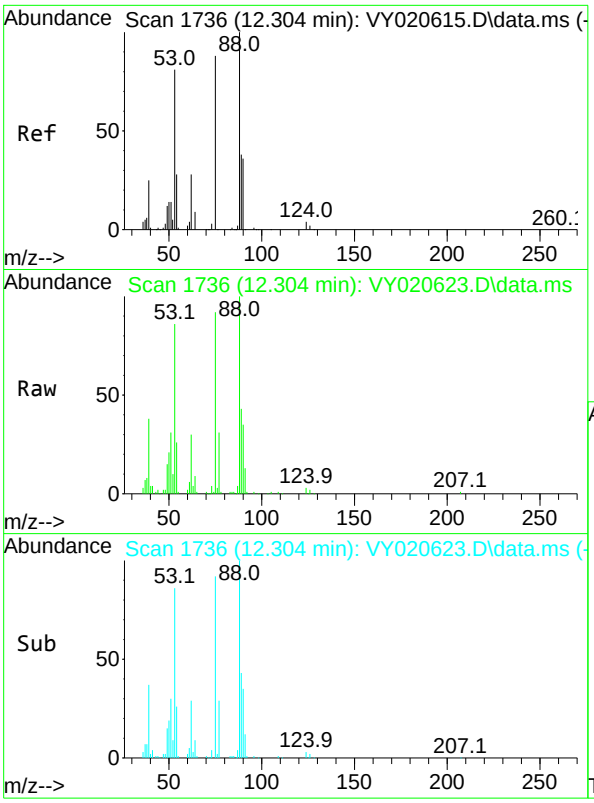


#80
1,3,5-Trimethylbenzene
Concen: 55.844 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 534457

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



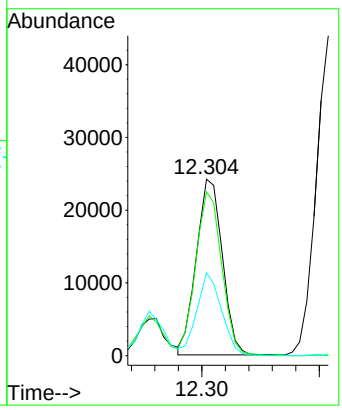


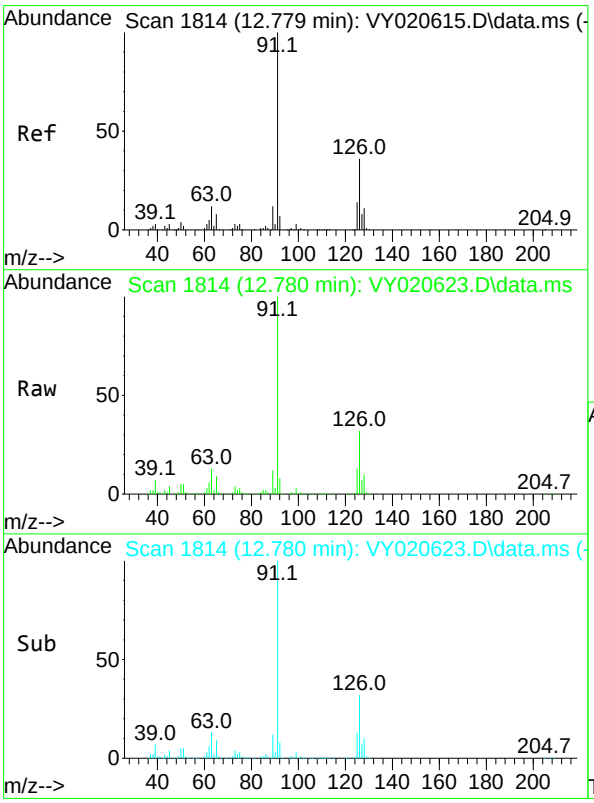
#81
trans-1,4-Dichloro-2-butene
Concen: 55.634 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 75 Resp: 37214

Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.4	113.2
89	45.0	37.0	55.4

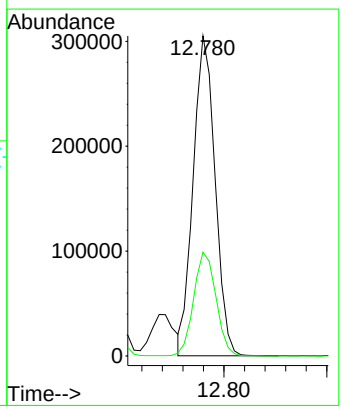


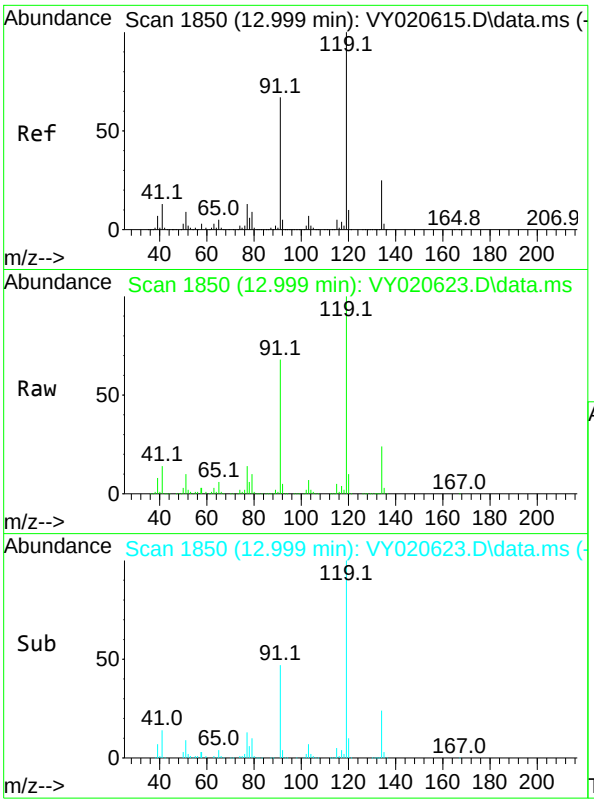


#82
4-Chlorotoluene
Concen: 54.455 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 91 Resp: 451687

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7



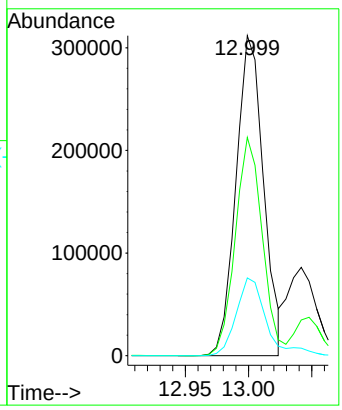


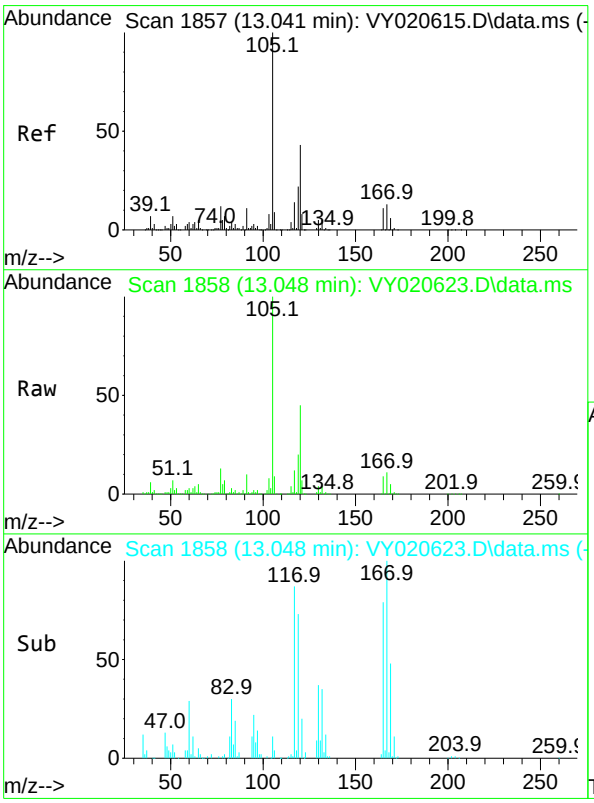
#83
tert-Butylbenzene
Concen: 54.556 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:119 Resp: 472868

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.6	13.1	39.1

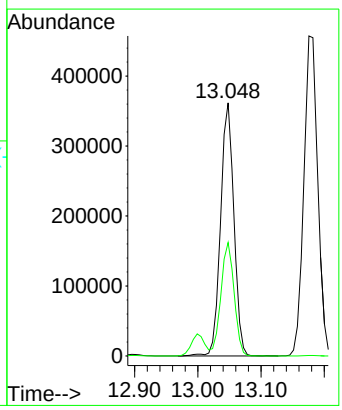


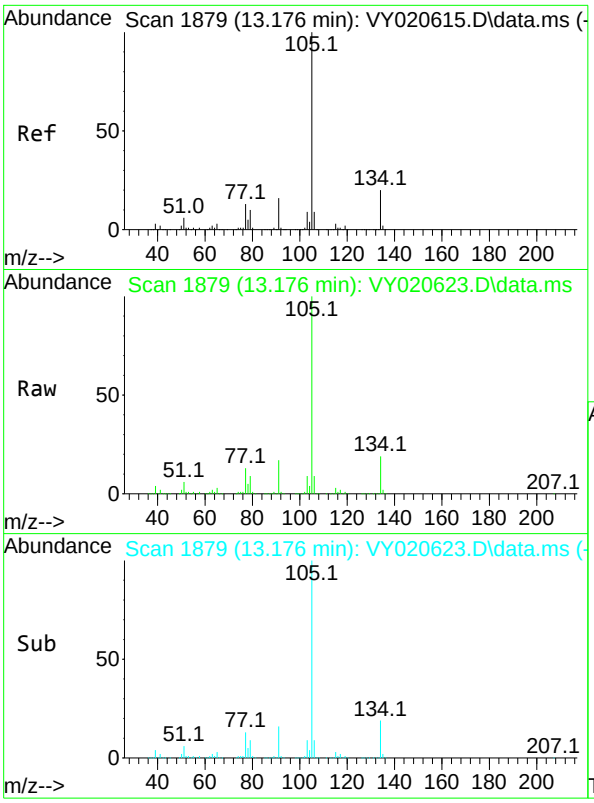


#84
1,2,4-Trimethylbenzene
Concen: 56.024 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:105 Resp: 525941

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.8	65.4



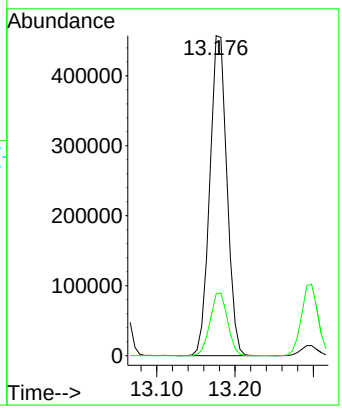


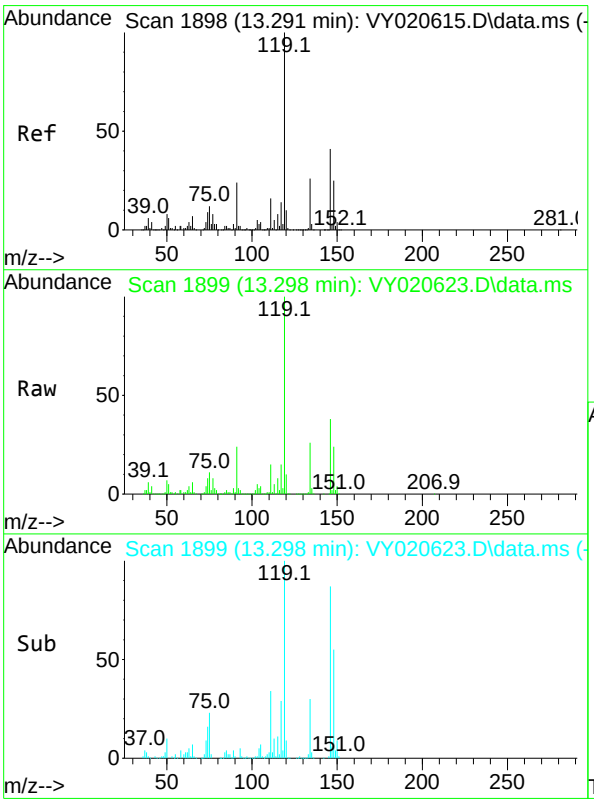
#85
sec-Butylbenzene
Concen: 55.099 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:105 Resp: 694384

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

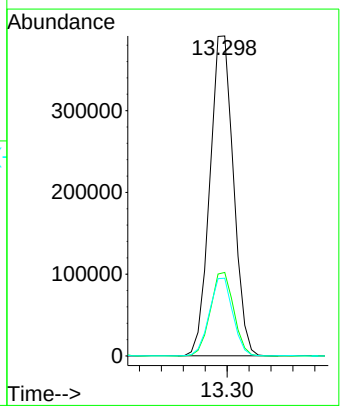


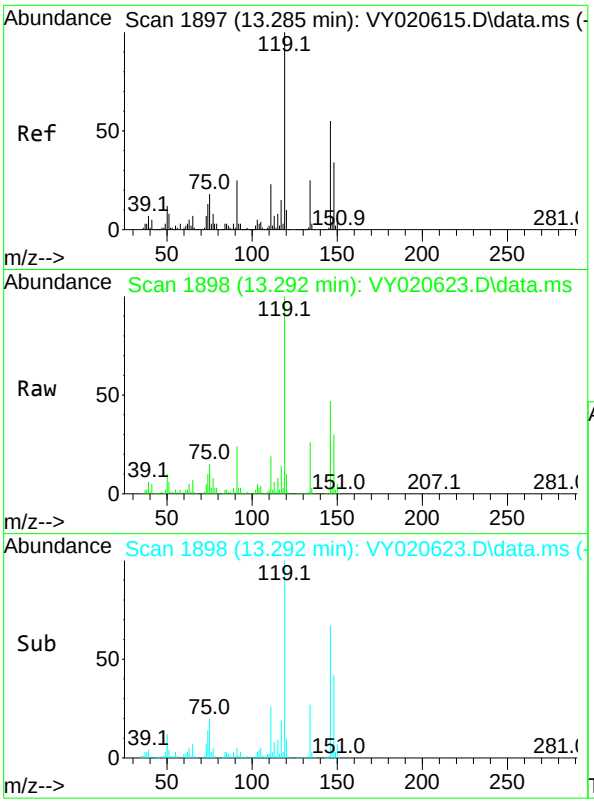


#86
p-Isopropyltoluene
Concen: 56.346 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:119 Resp: 585461

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.1	12.1	36.3



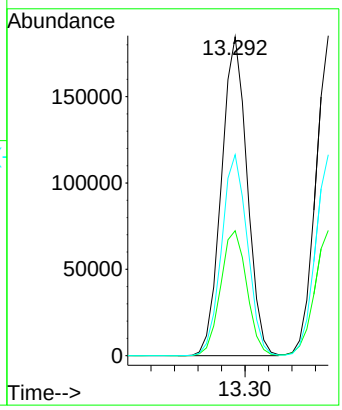


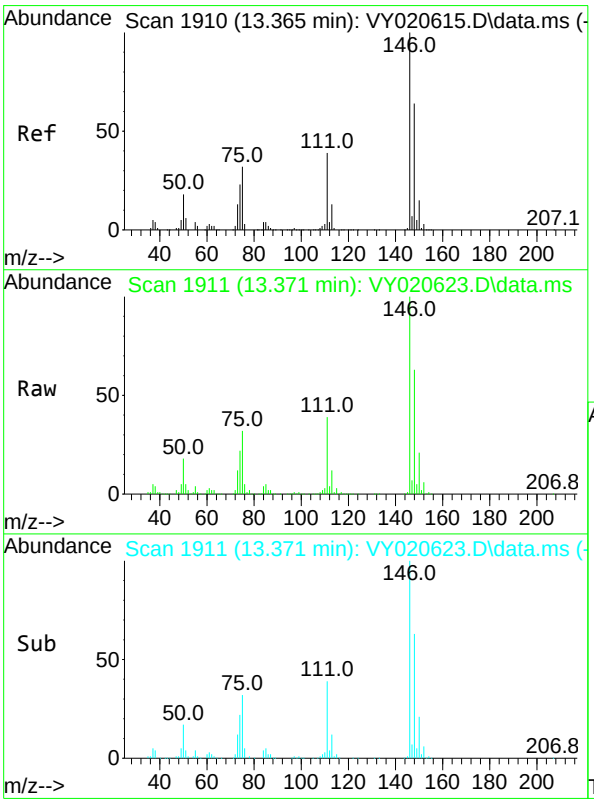
#87
1,3-Dichlorobenzene
Concen: 55.381 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:146 Resp: 280882

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	63.5	31.4	94.0

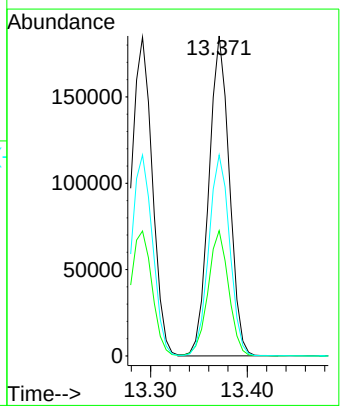


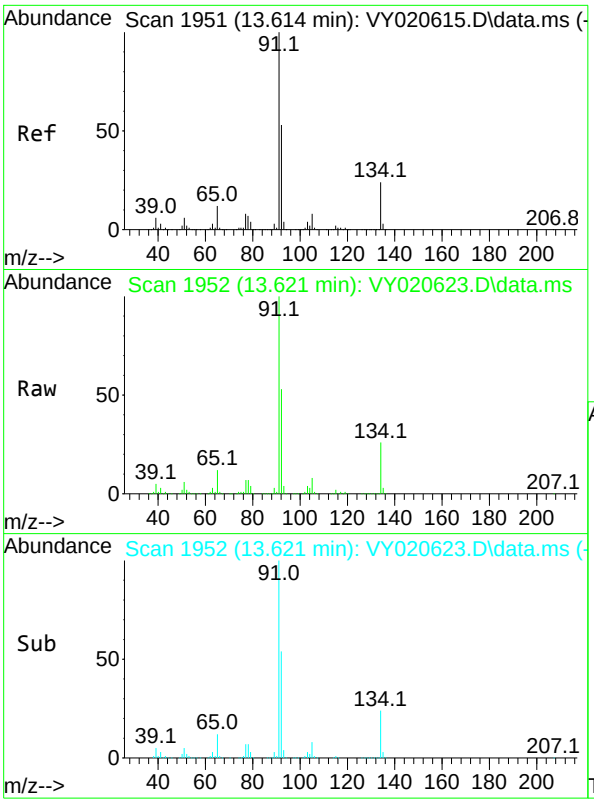


#88
1,4-Dichlorobenzene
Concen: 54.122 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:146 Resp: 271866

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.7	31.9	95.5



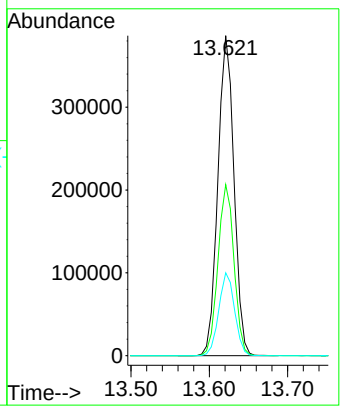


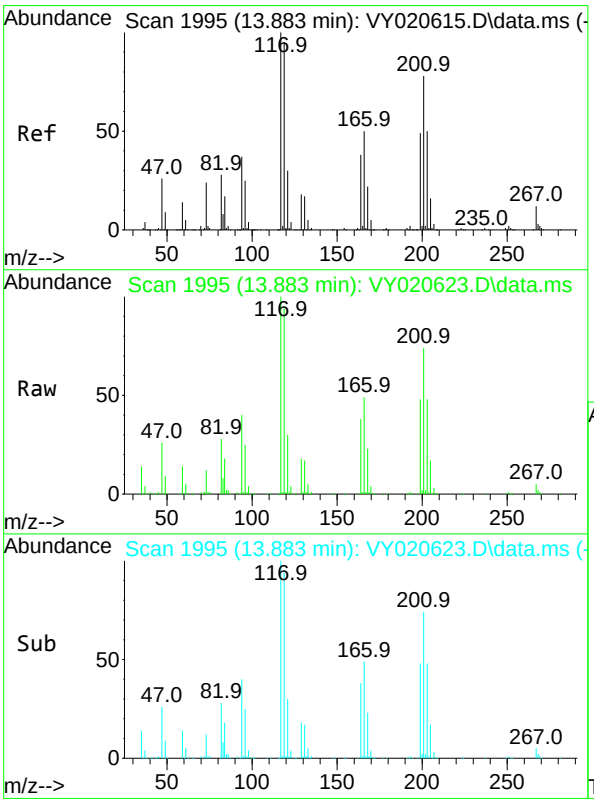
#89
n-Butylbenzene
Concen: 56.156 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion: 91 Resp: 552991

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	25.5	12.5	37.5

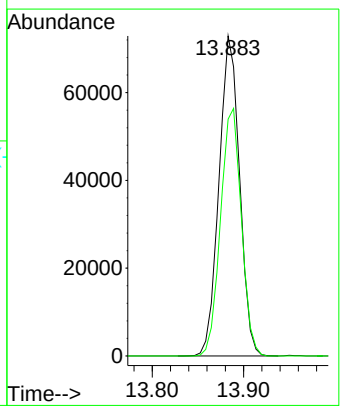


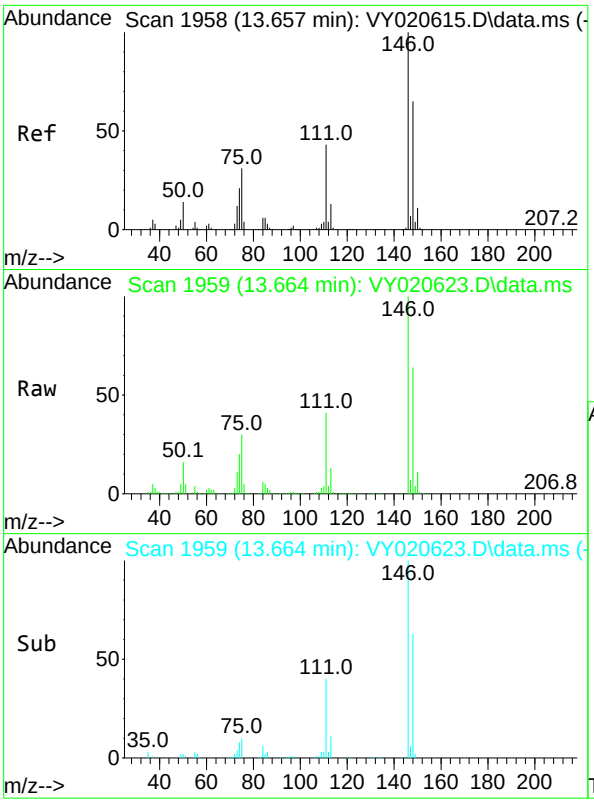


#90
Hexachloroethane
Concen: 55.329 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:117 Resp: 113928

Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.3



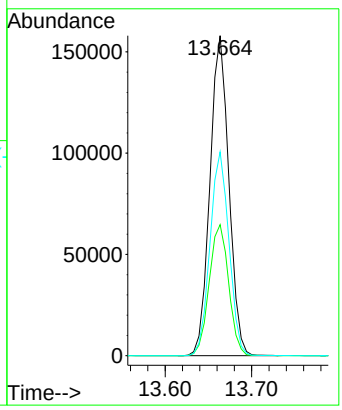


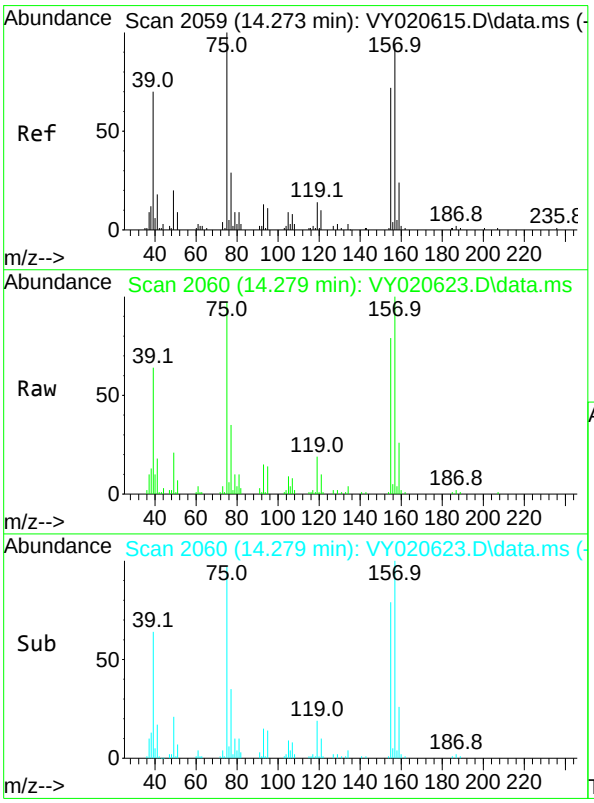
#91
1,2-Dichlorobenzene
Concen: 54.548 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:146 Resp: 239707

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.9	32.0	96.0

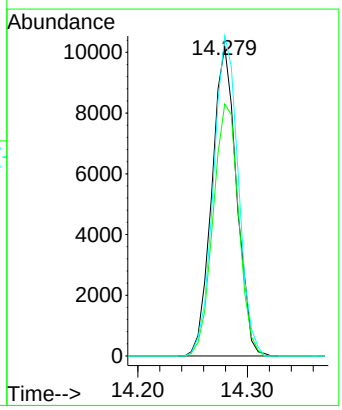


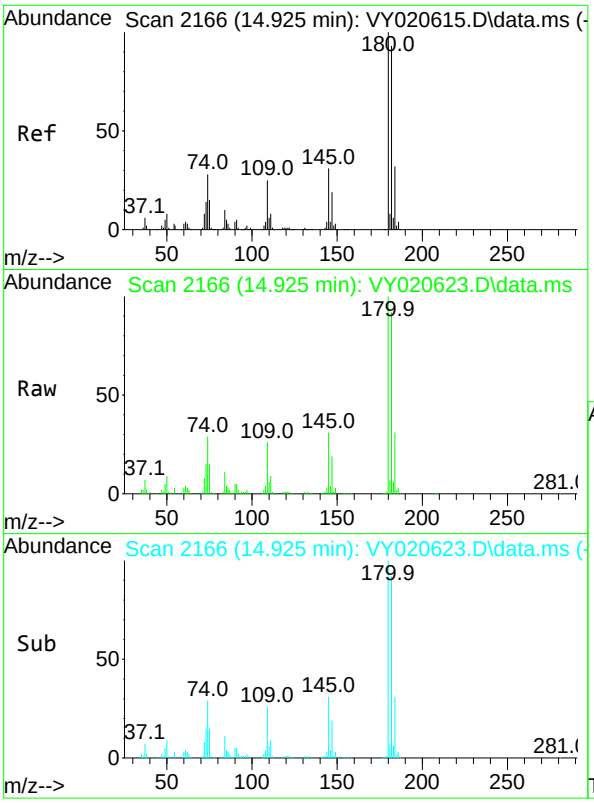


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.412 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion: 75 Resp: 15981

Ion	Ratio	Lower	Upper
75	100		
155	83.8	41.1	123.3
157	103.4	52.9	158.8



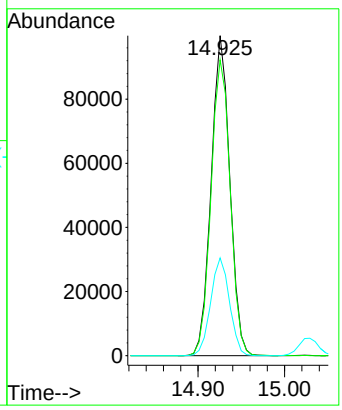


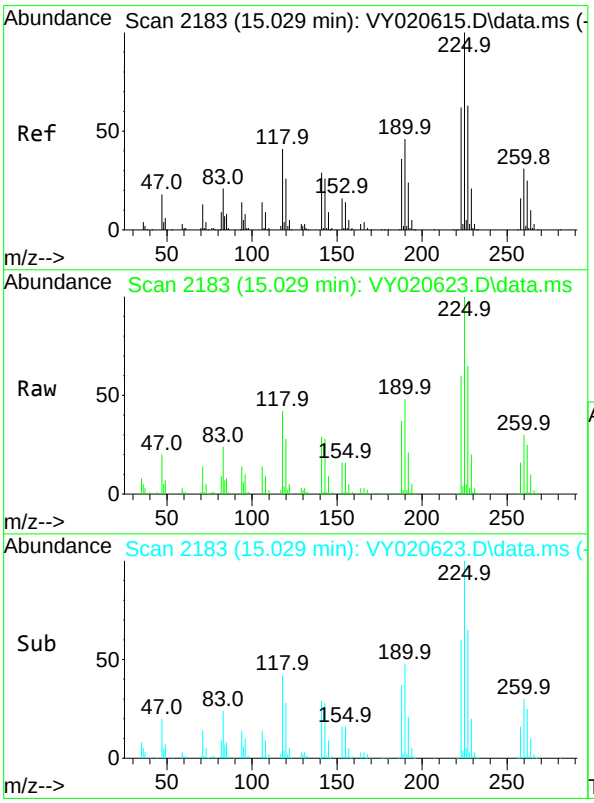
#93
1,2,4-Trichlorobenzene
Concen: 56.222 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:180 Resp: 149441

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	30.8	15.6	46.7

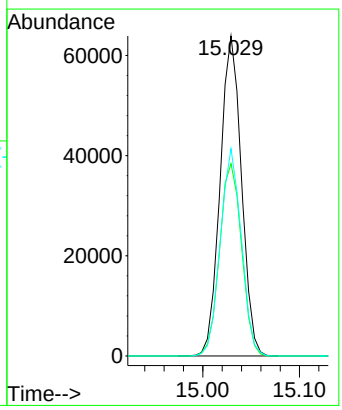


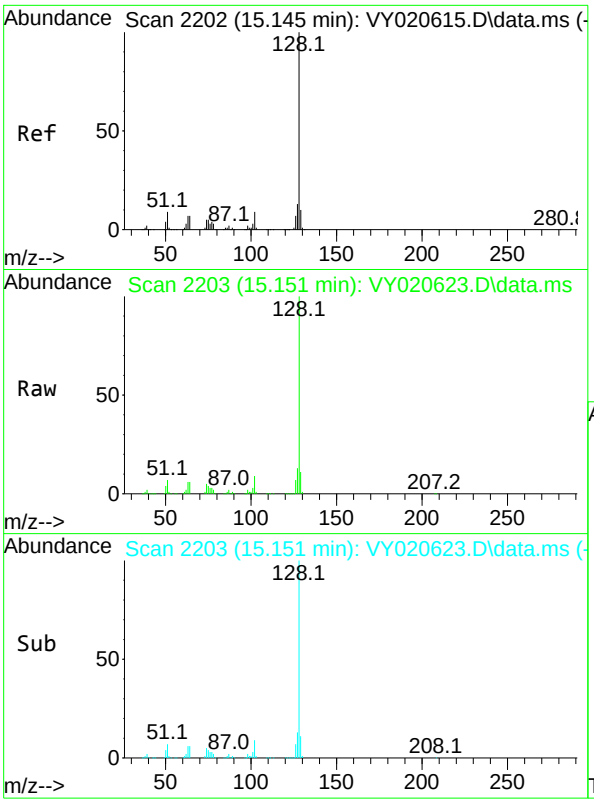


#94
Hexachlorobutadiene
Concen: 56.250 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:225 Resp: 97741

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.3
227	64.0	32.2	96.6



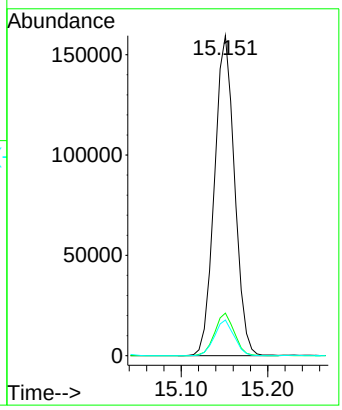


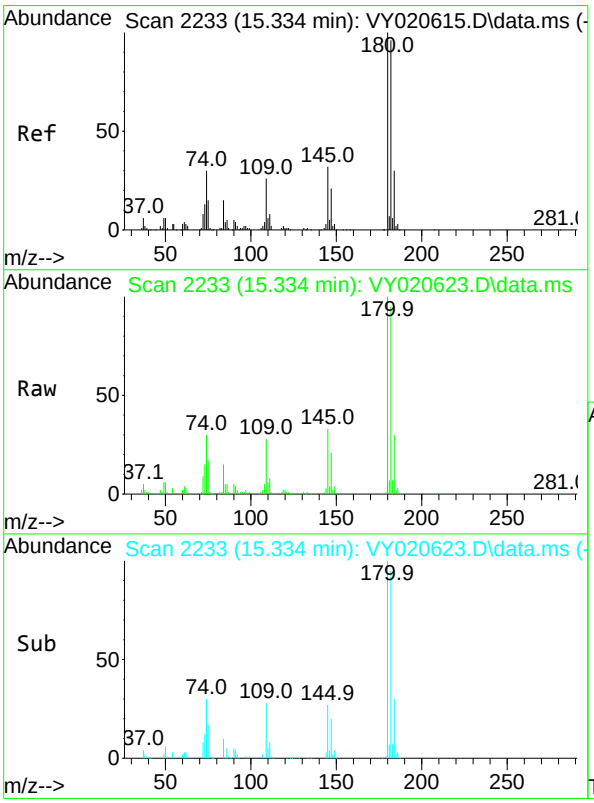
#95
Naphthalene
Concen: 56.376 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121824

Tgt Ion:128 Resp: 256906

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	8.5	12.7

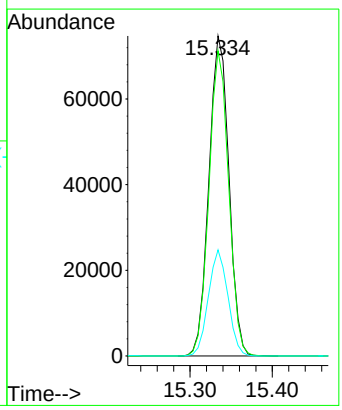




#96
1,2,3-Trichlorobenzene
Concen: 56.169 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020623.D
Acq: 18 Dec 2024 09:43

Tgt Ion:180 Resp: 126145

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	32.4	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	206000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117960	52.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	122865	56.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.900%			
50) Toluene-d8	10.103	98	426408	55.973	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.940%			
62) 4-Bromofluorobenzene	12.408	95	159346	53.472	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	133894	52.037	ug/l	98
3) Chloromethane	2.068	50	89931	47.172	ug/l	99
4) Vinyl Chloride	2.202	62	86336	48.655	ug/l	100
5) Bromomethane	2.598	94	53050	46.509	ug/l	99
6) Chloroethane	2.733	64	51312	46.795	ug/l	99
7) Trichlorofluoromethane	3.062	101	187636	50.536	ug/l	99
8) Diethyl Ether	3.452	74	68568	52.658	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	148014	55.617	ug/l	99
10) Methyl Iodide	4.007	142	167021	56.369	ug/l	97
11) Tert butyl alcohol	4.860	59	54368	225.962	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	139823	54.148	ug/l	96
13) Acrolein	3.653	56	17954	168.296	ug/l	96
14) Allyl chloride	4.385	41	232338	51.348	ug/l	98
15) Acrylonitrile	5.055	53	170856	274.269	ug/l	99
16) Acetone	3.873	43	111898	249.644	ug/l	96
17) Carbon Disulfide	4.104	76	457151	54.388	ug/l	100
18) Methyl Acetate	4.385	43	78056	50.850	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	375333	56.315	ug/l	97
20) Methylene Chloride	4.616	84	144922	51.663	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	162132	55.973	ug/l	99
22) Diisopropyl ether	6.019	45	496112	54.016	ug/l	96
23) Vinyl Acetate	5.958	43	1420555	273.086	ug/l	98
24) 1,1-Dichloroethane	5.915	63	298067	55.396	ug/l	99
25) 2-Butanone	6.890	43	211202	251.894	ug/l	99
26) 2,2-Dichloropropane	6.884	77	264836	52.067	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184657	55.409	ug/l	97
28) Bromochloromethane	7.244	49	101052	55.679	ug/l	96
29) Tetrahydrofuran	7.262	42	143510	271.132	ug/l	97
30) Chloroform	7.421	83	292213	54.569	ug/l	100
31) Cyclohexane	7.701	56	268423	52.174	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	274460	55.522	ug/l	99
36) 1,1-Dichloropropene	7.835	75	225884	56.915	ug/l	99
37) Ethyl Acetate	6.982	43	100446	53.805	ug/l	99
38) Carbon Tetrachloride	7.817	117	252799	57.572	ug/l	98
39) Methylcyclohexane	9.109	83	287808	55.640	ug/l	99
40) Benzene	8.079	78	650927	55.955	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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	51462	52.143	ug/l		94
42) 1,2-Dichloroethane	8.158	62	168914	54.747	ug/l		99
43) Isopropyl Acetate	8.195	43	195375	55.280	ug/l	#	88
44) Trichloroethene	8.866	130	164213	57.447	ug/l		99
45) 1,2-Dichloropropane	9.140	63	151671	55.786	ug/l		96
46) Dibromomethane	9.231	93	80300	55.885	ug/l		97
47) Bromodichloromethane	9.420	83	217355	56.001	ug/l		98
48) Methyl methacrylate	9.219	41	93111	55.418	ug/l		97
49) 1,4-Dioxane	9.225	88	19191	1164.626	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	502739	269.490	ug/l		98
52) Toluene	10.170	92	407430	56.356	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	207340	57.330	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241551	56.364	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	108487	57.107	ug/l		97
56) Ethyl methacrylate	10.439	69	162282	58.883	ug/l		94
57) 1,3-Dichloropropane	10.713	76	192310	56.787	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	330296	284.827	ug/l		98
59) 2-Hexanone	10.762	43	332124	277.291	ug/l		96
60) Dibromochloromethane	10.908	129	145879	57.418	ug/l		99
61) 1,2-Dibromoethane	11.012	107	100336	56.781	ug/l		100
64) Tetrachloroethene	10.646	164	143419	57.159	ug/l		95
65) Chlorobenzene	11.438	112	427986	57.381	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	147222	57.723	ug/l		98
67) Ethyl Benzene	11.518	91	781876	56.821	ug/l		99
68) m/p-Xylenes	11.627	106	585329	114.405	ug/l		100
69) o-Xylene	11.950	106	274190	57.438	ug/l		99
70) Styrene	11.969	104	462869	58.035	ug/l		99
71) Bromoform	12.133	173	84075	58.631	ug/l	#	100
73) Isopropylbenzene	12.255	105	736909	57.692	ug/l		100
74) N-amyl acetate	12.072	43	169942	56.850	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	122009	58.846	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	160371	105.472	ug/l	#	100
77) Bromobenzene	12.530	156	160597	57.720	ug/l		98
78) n-propylbenzene	12.597	91	875016	56.859	ug/l		99
79) 2-Chlorotoluene	12.682	91	495724	57.255	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	587819	56.716	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	45189	62.383	ug/l		97
82) 4-Chlorotoluene	12.780	91	507510	56.500	ug/l		99
83) tert-Butylbenzene	12.999	119	535639	57.066	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	580706	57.121	ug/l		98
85) sec-Butylbenzene	13.176	105	765369	56.081	ug/l		100
86) p-Isopropyltoluene	13.292	119	641459	57.008	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	311630	56.738	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	303316	55.759	ug/l		99
89) n-Butylbenzene	13.621	91	600466	56.308	ug/l		99
90) Hexachloroethane	13.883	117	126128	56.563	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	268348	56.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18918	56.200	ug/l		96
93) 1,2,4-Trichlorobenzene	14.926	180	161670	56.165	ug/l		99
94) Hexachlorobutadiene	15.029	225	104328	55.442	ug/l		99
95) Naphthalene	15.145	128	288782	58.518	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	136737	56.223	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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

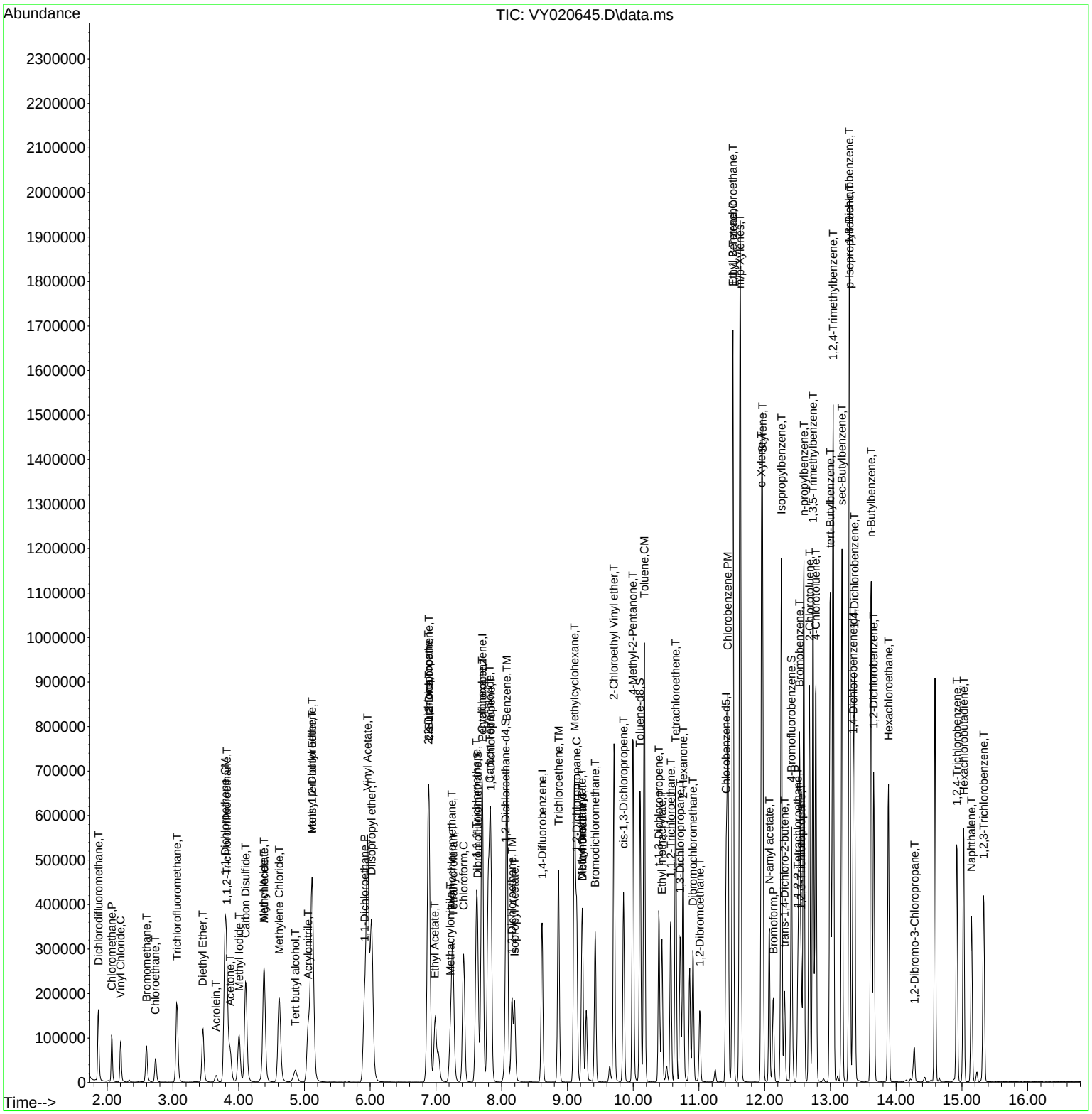
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

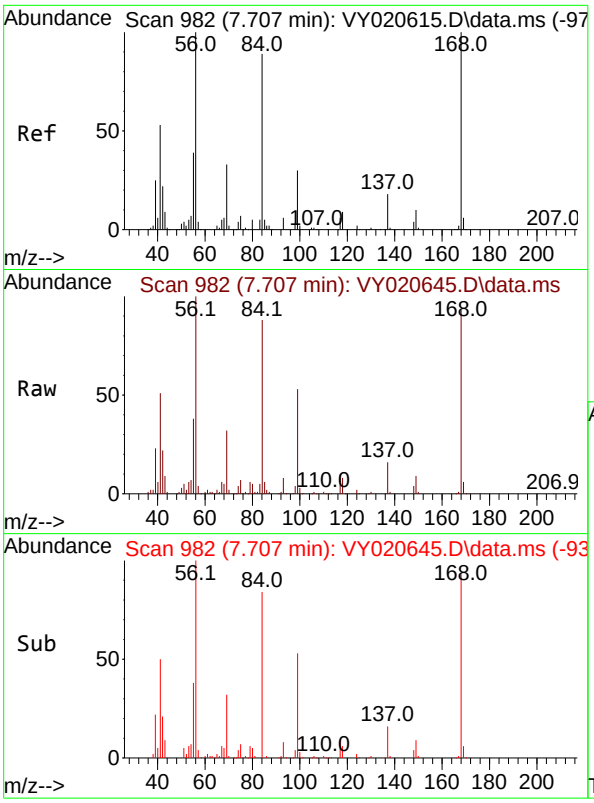
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020645.D
Acq On : 19 Dec 2024 09:43
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 00:45:12 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



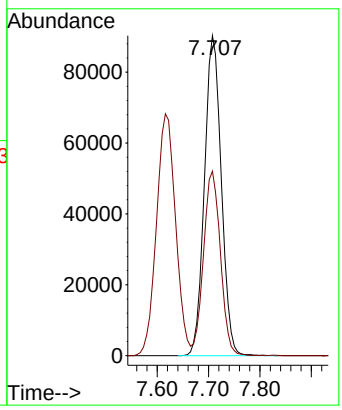


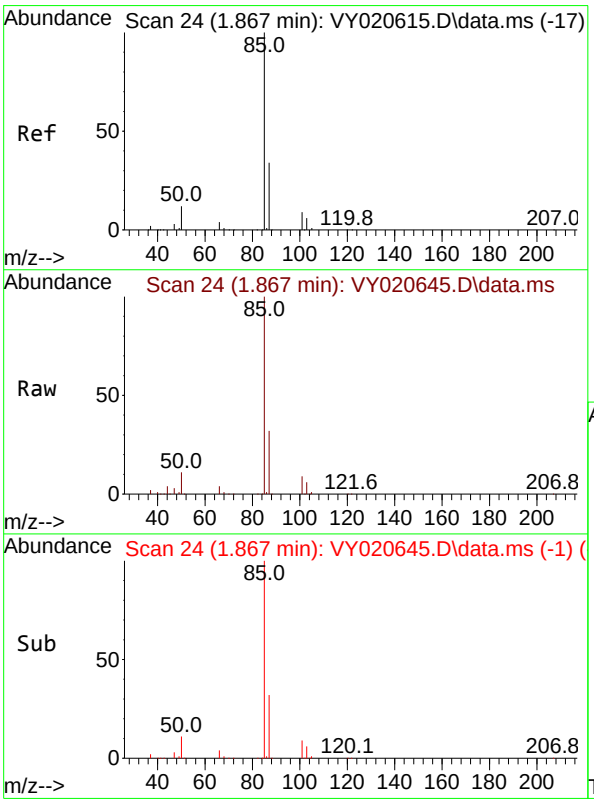
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 206000

Ion	Ratio	Lower	Upper
168	100		
99	57.6	47.0	70.6

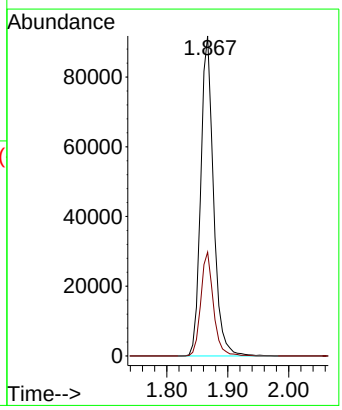


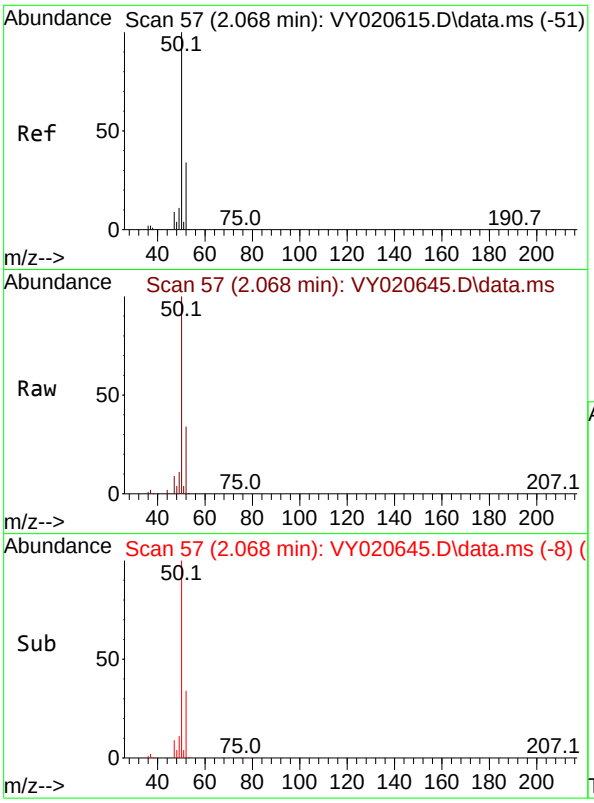


#2
Dichlorodifluoromethane
Concen: 52.037 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 85 Resp: 133894

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.8	50.3



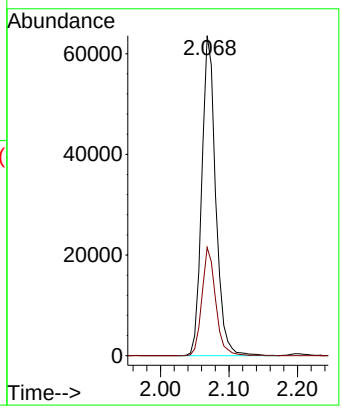


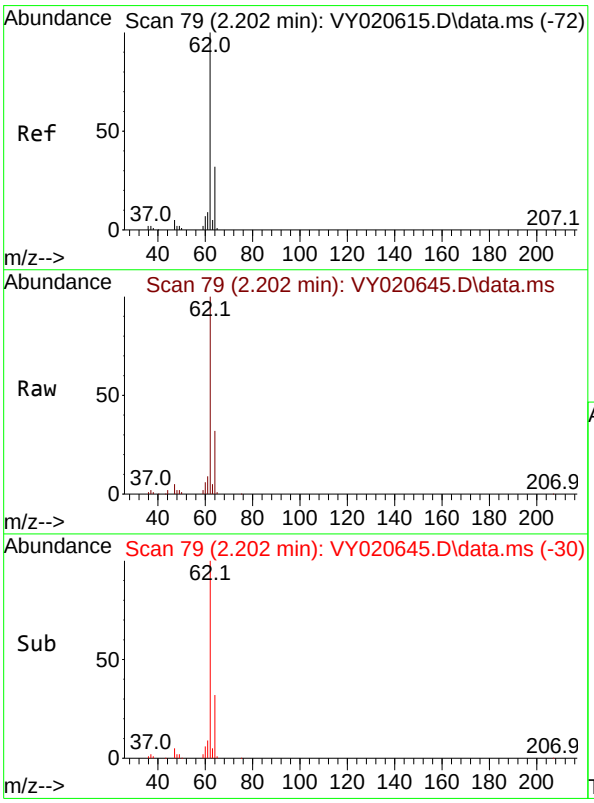
#3
Chloromethane
Concen: 47.172 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 89931

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.8	40.2

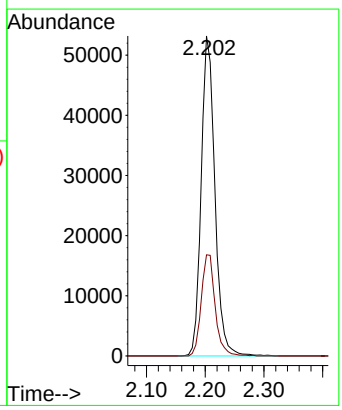


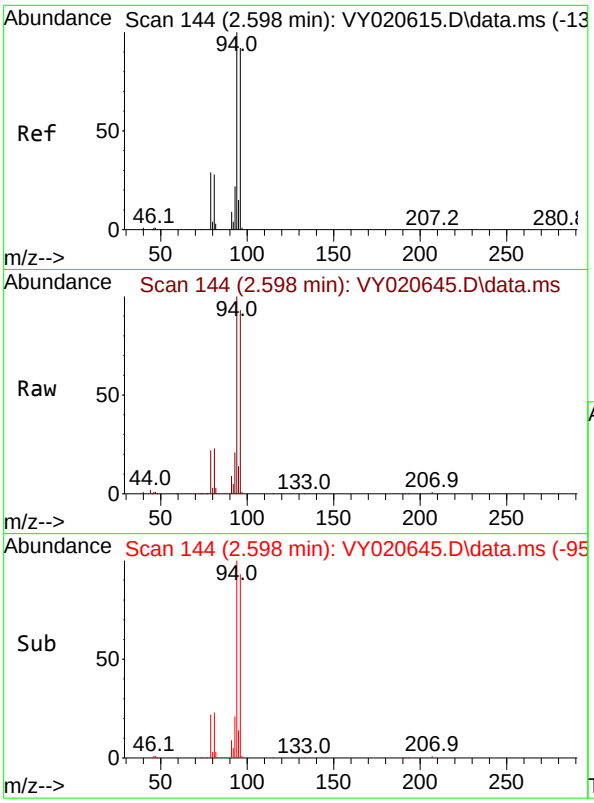


#4
Vinyl Chloride
Concen: 48.655 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 62 Resp: 86336

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



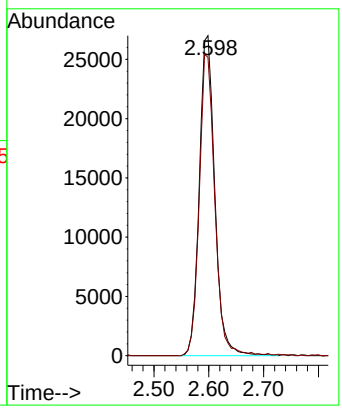


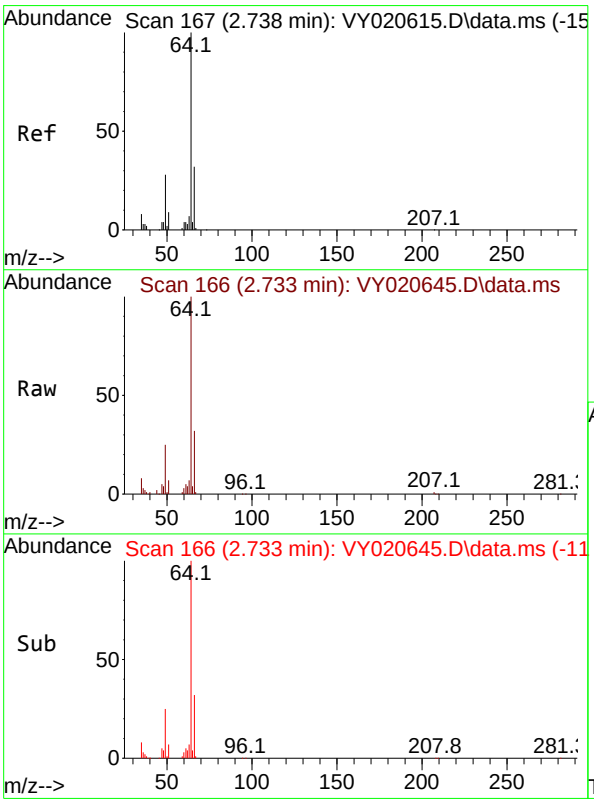
#5
Bromomethane
Concen: 46.509 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 53050

Ion	Ratio	Lower	Upper
94	100		
96	93.3	73.8	110.6

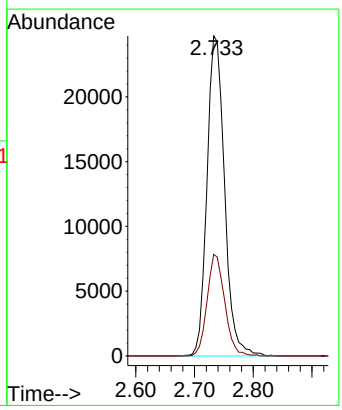


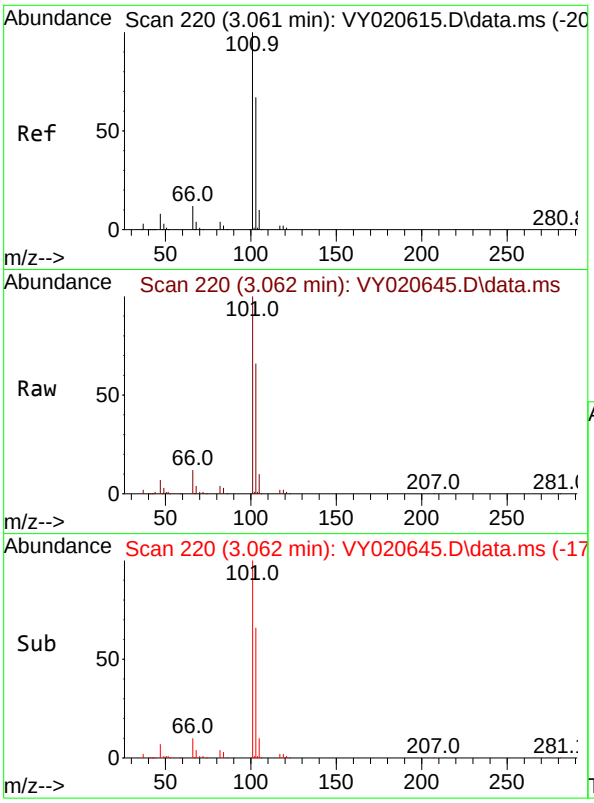


#6
Chloroethane
Concen: 46.795 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 64 Resp: 51312

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.8	38.6



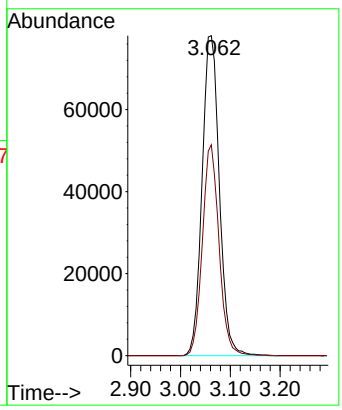


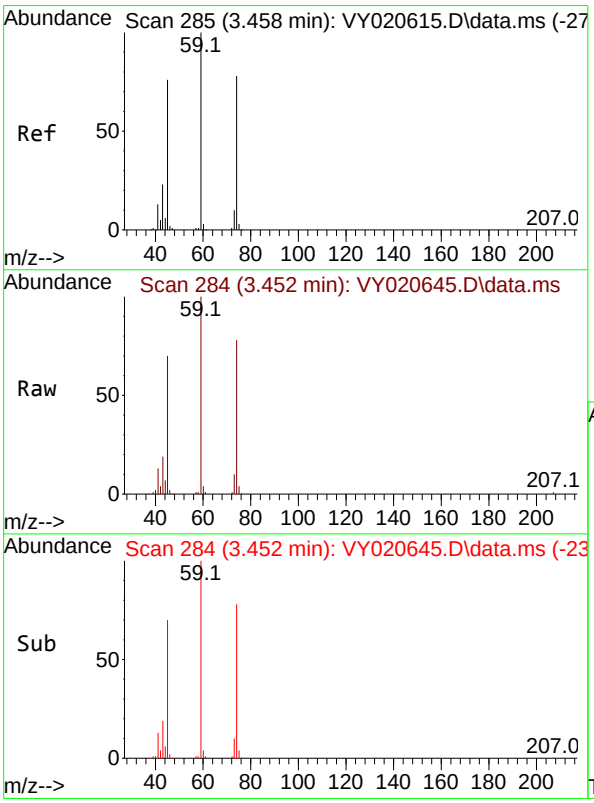
#7
Trichlorofluoromethane
Concen: 50.536 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 187636

Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.4	80.0

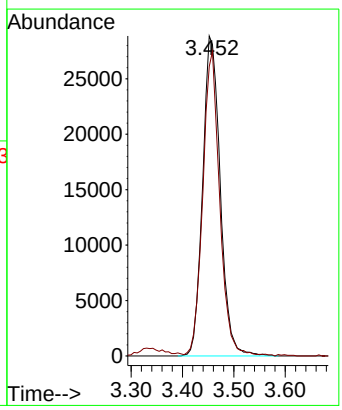


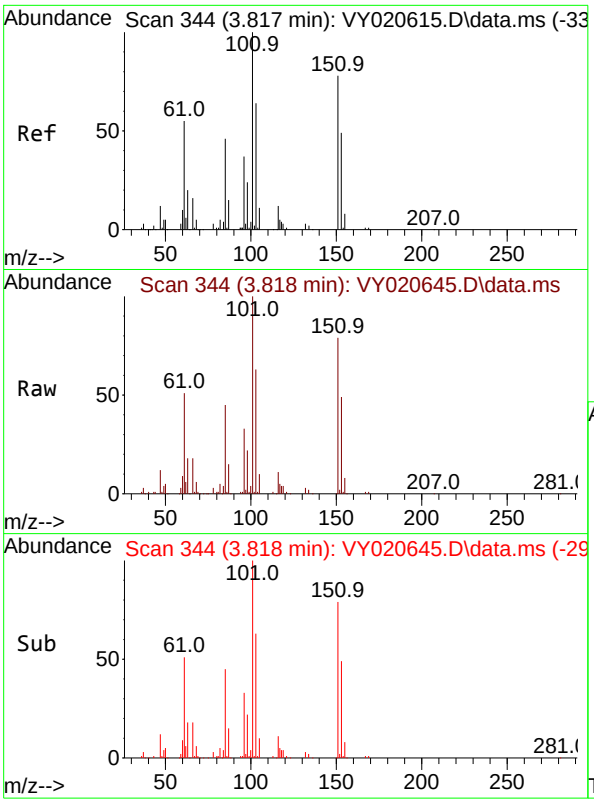


#8
Diethyl Ether
Concen: 52.658 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 74 Resp: 68568

Ion	Ratio	Lower	Upper
74	100		
45	91.6	49.0	147.2



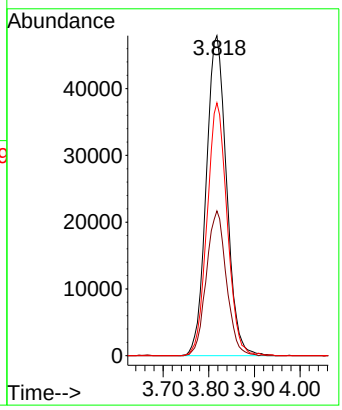


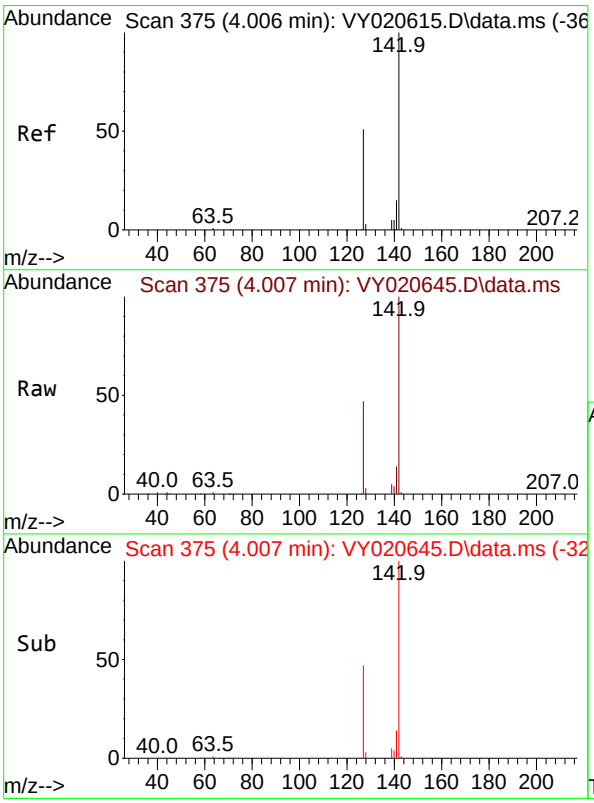
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.617 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 148014

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.6	54.8
151	78.1	61.5	92.3

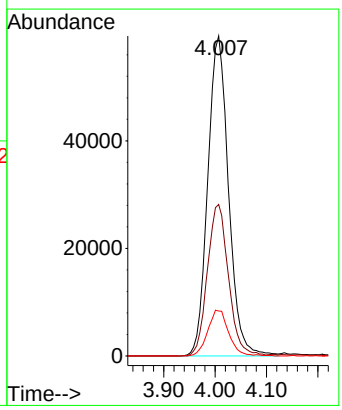


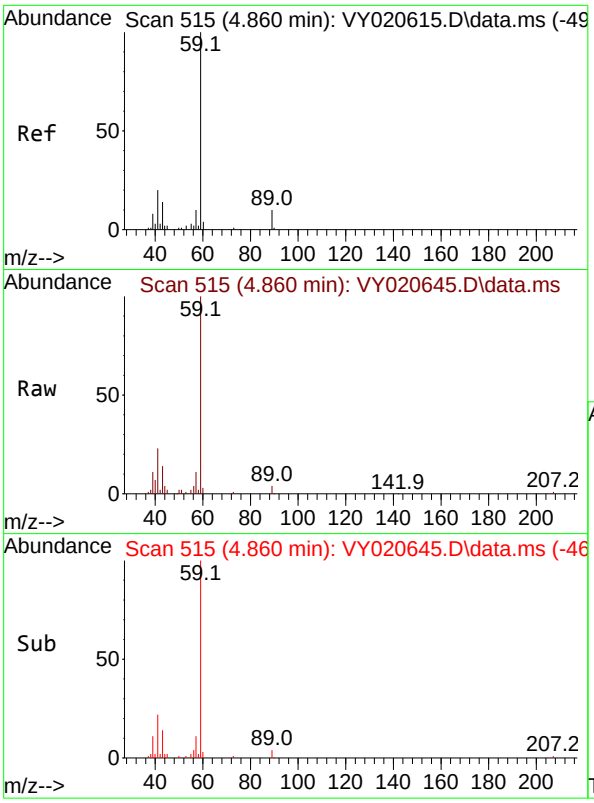


#10
Methyl Iodide
Concen: 56.369 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:142 Resp: 167021

Ion	Ratio	Lower	Upper
142	100		
127	48.1	40.6	61.0
141	14.5	11.7	17.5



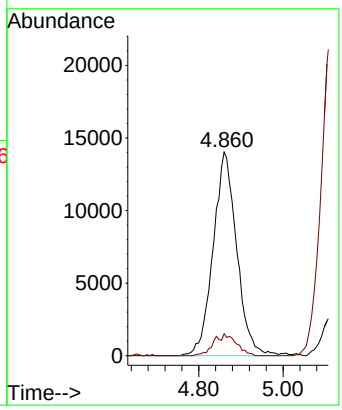


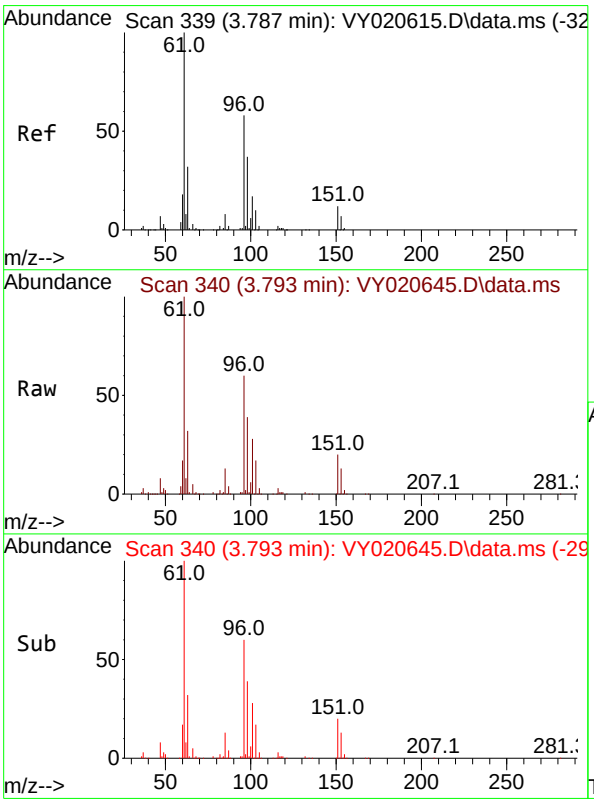
#11
Tert butyl alcohol
Concen: 225.962 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 54368

Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.4	11.0#

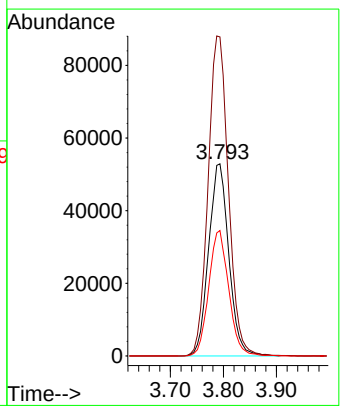


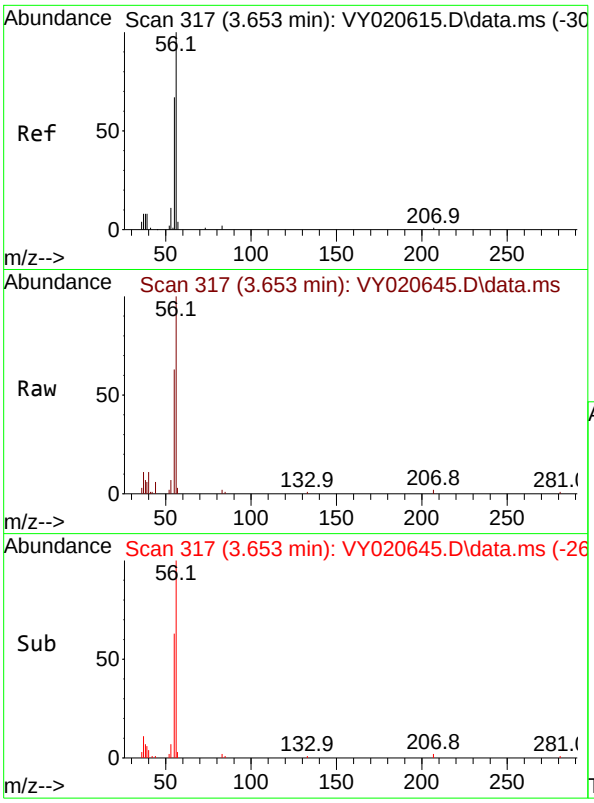


#12
1,1-Dichloroethene
Concen: 54.148 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 96 Resp: 139823

Ion	Ratio	Lower	Upper
96	100		
61	166.0	136.9	205.3
98	65.3	50.2	75.4



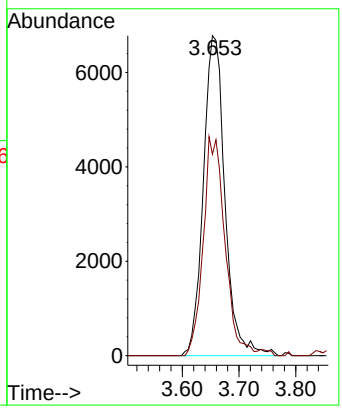


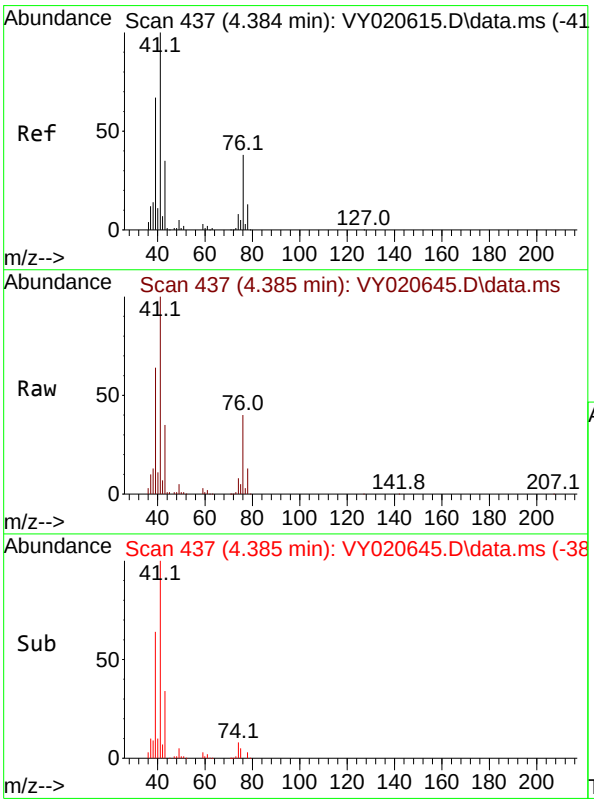
#13
Acrolein
Concen: 168.296 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 17954

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.5	86.3

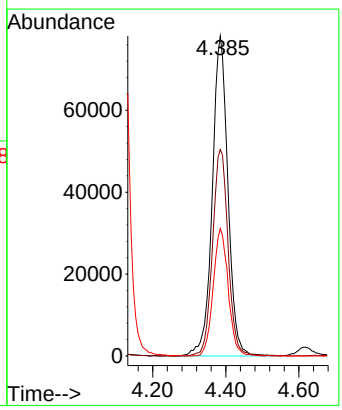


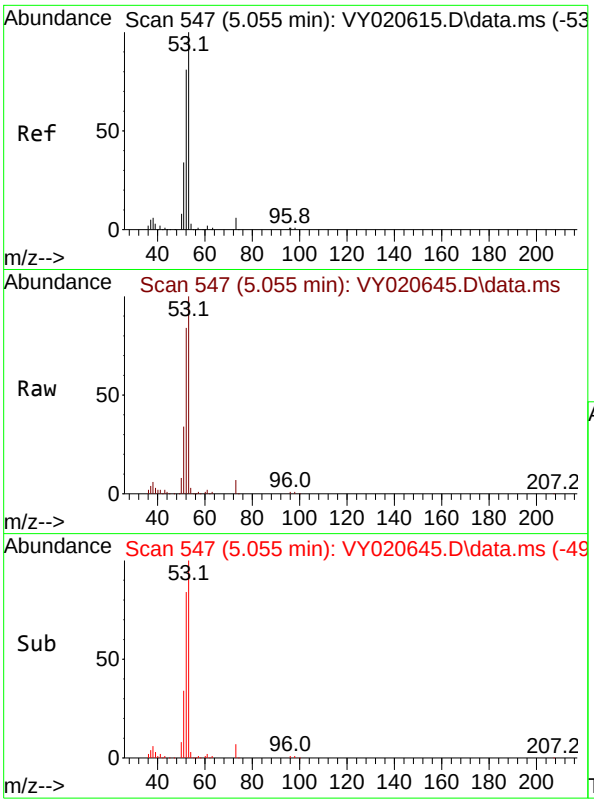


#14
Allyl chloride
Concen: 51.348 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 41 Resp: 232338

Ion	Ratio	Lower	Upper
41	100		
39	64.2	53.0	79.4
76	38.2	29.5	44.3



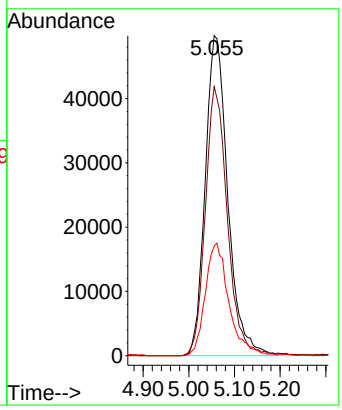


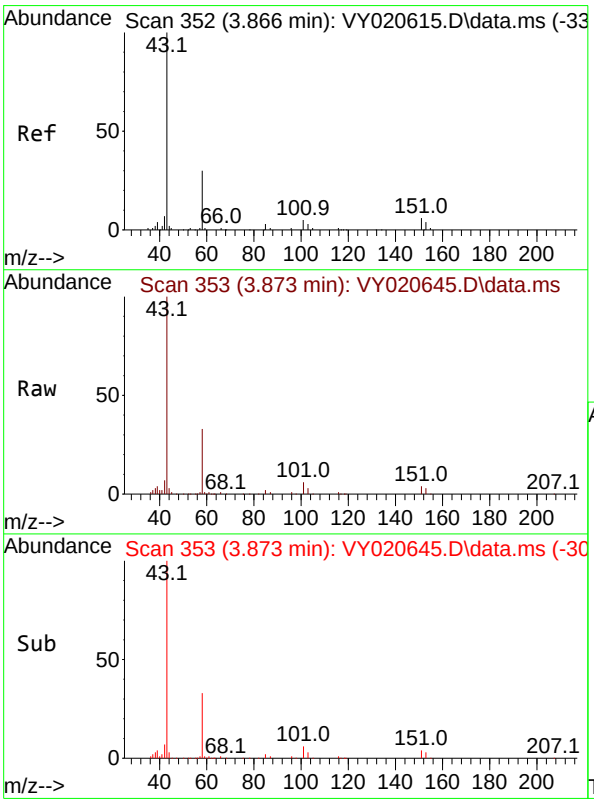
#15
Acrylonitrile
Concen: 274.269 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 170856

Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.5	96.7
51	36.8	29.4	44.0

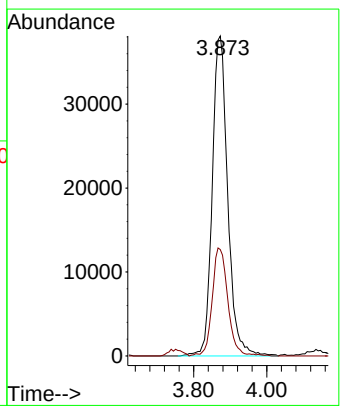


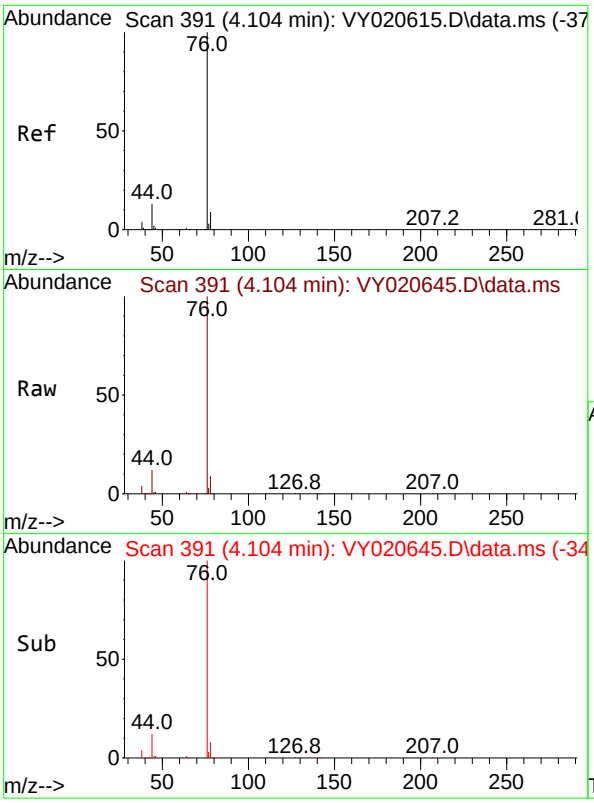


#16
Acetone
Concen: 249.644 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 111898

Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.0	37.6



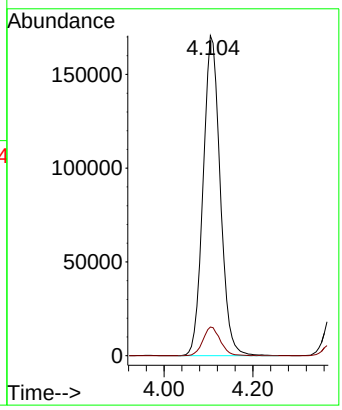


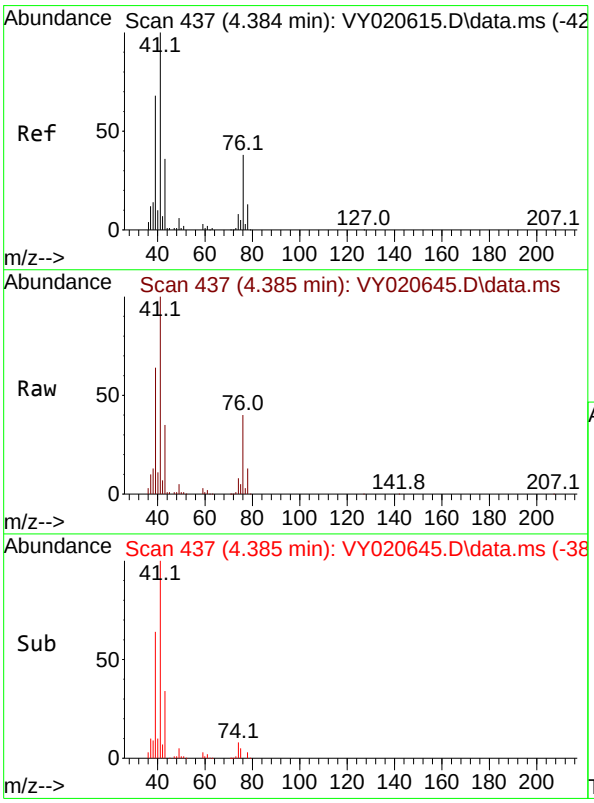
#17
Carbon Disulfide
Concen: 54.388 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 457151

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

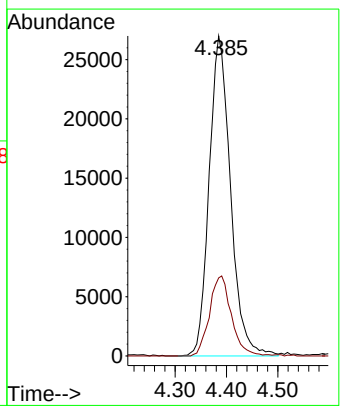


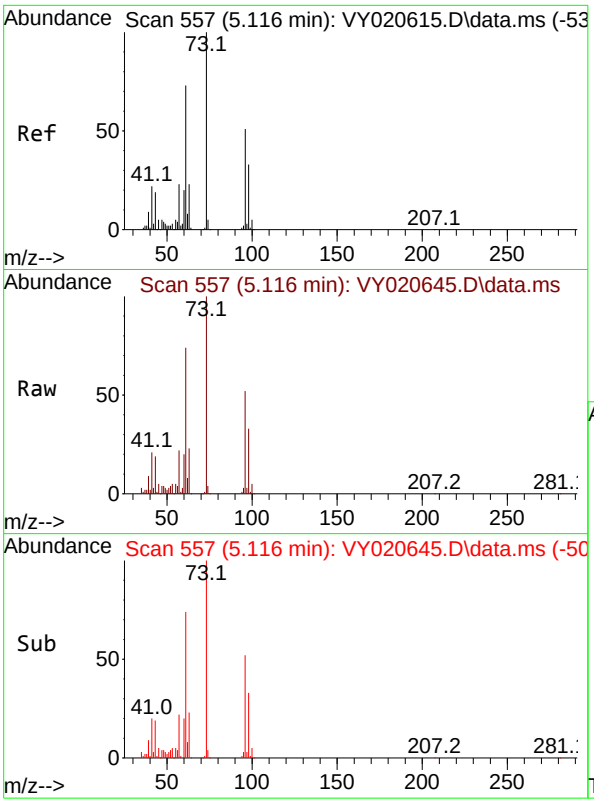


#18
Methyl Acetate
Concen: 50.850 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 78056

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.2	28.8



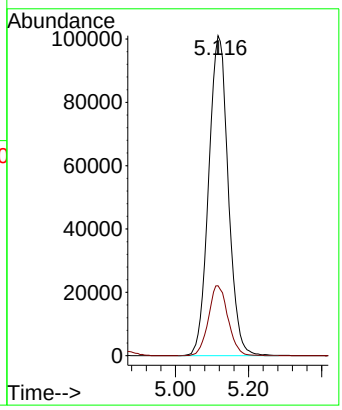


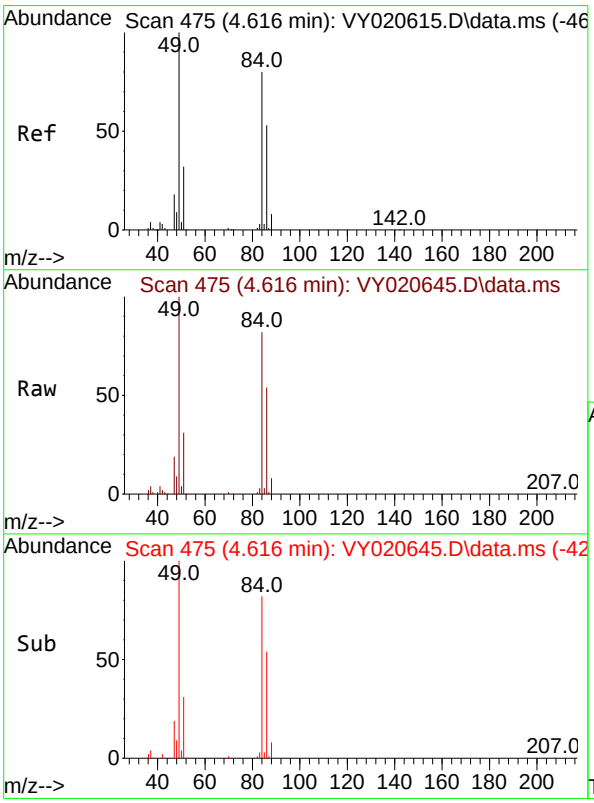
#19
Methyl tert-butyl Ether
Concen: 56.315 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 375333

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7

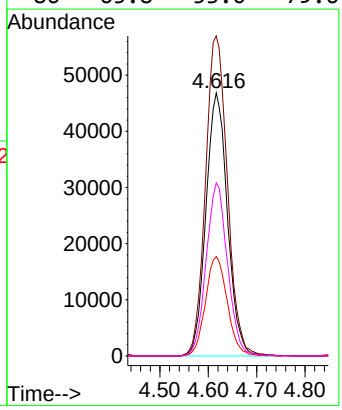


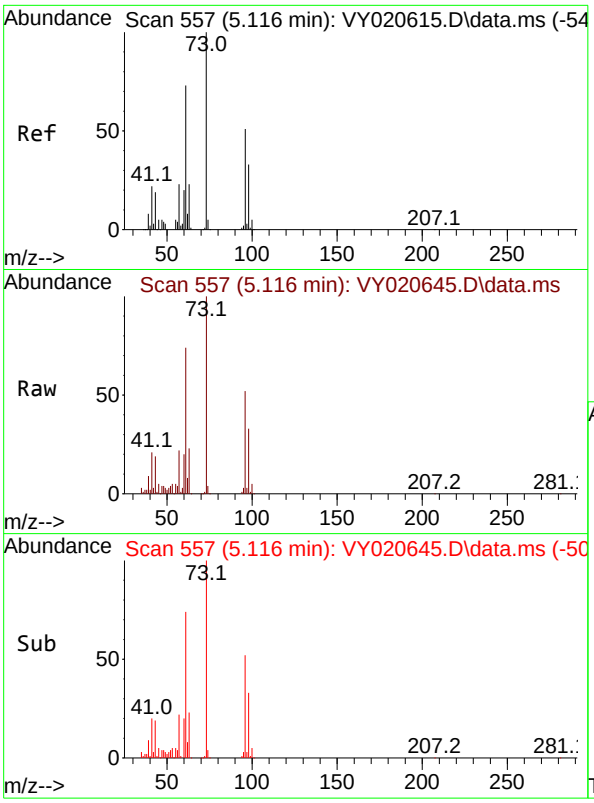


#20
Methylene Chloride
Concen: 51.663 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 84 Resp: 144922

Ion	Ratio	Lower	Upper
84	100		
49	121.7	100.7	151.1
51	37.8	32.2	48.2
86	65.8	53.0	79.6



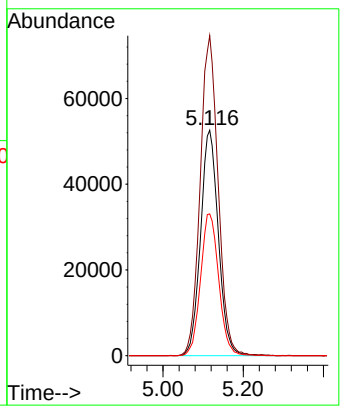


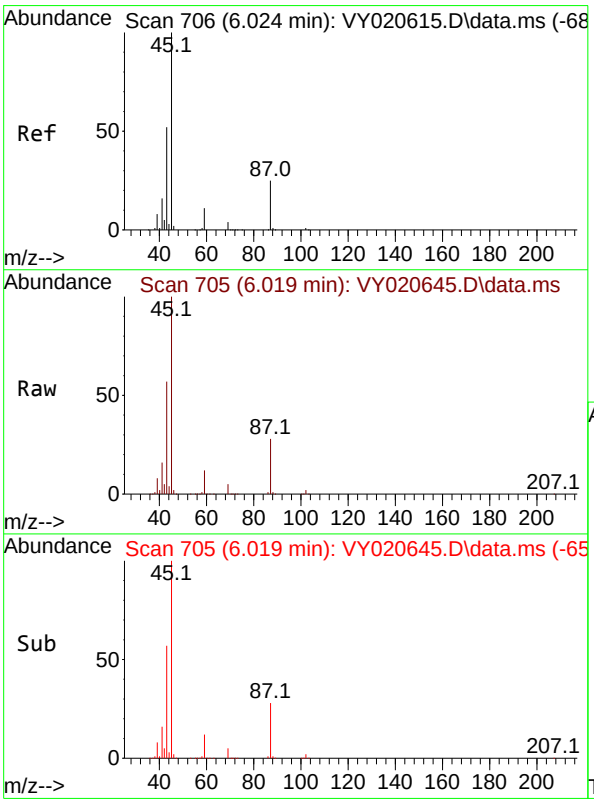
#21
trans-1,2-Dichloroethene
Concen: 55.973 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 162132

Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.7	170.5
98	62.9	51.7	77.5

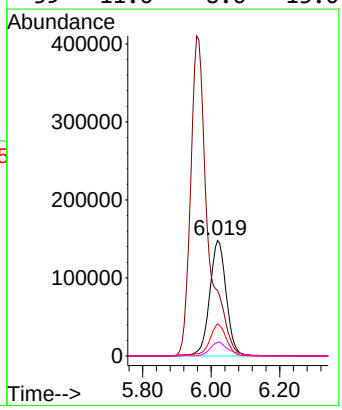


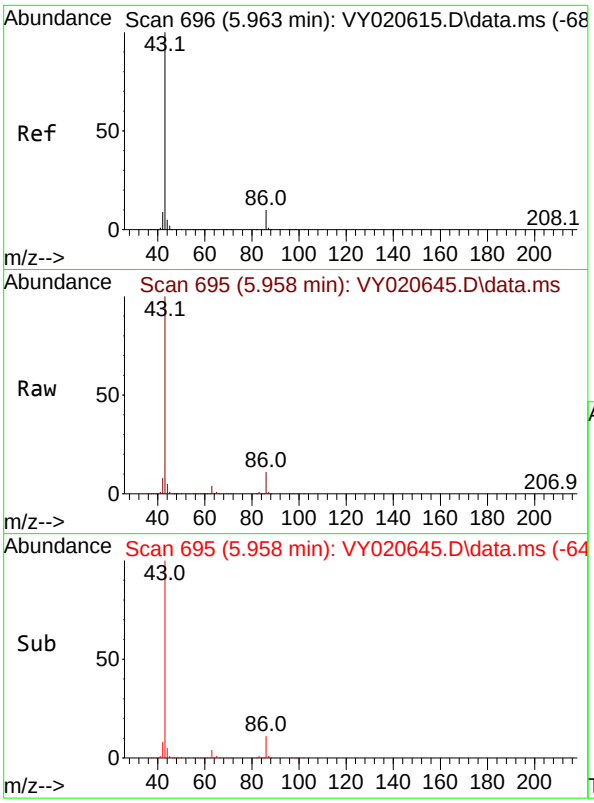


#22
Diisopropyl ether
Concen: 54.016 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 45 Resp: 496112

Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.6	64.0
87	27.8	20.6	31.0
59	11.6	8.6	13.0



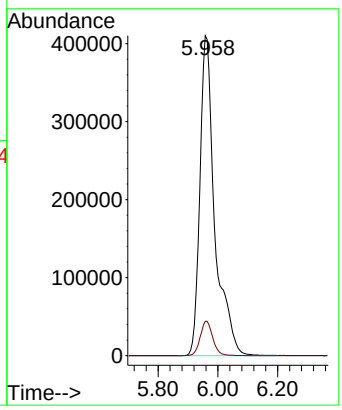


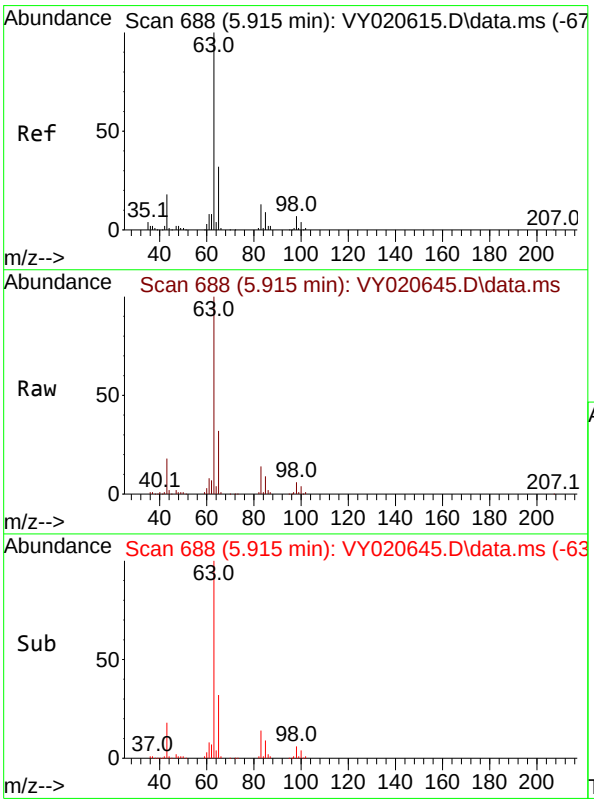
#23
Vinyl Acetate
Concen: 273.086 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1420555

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.1	12.1

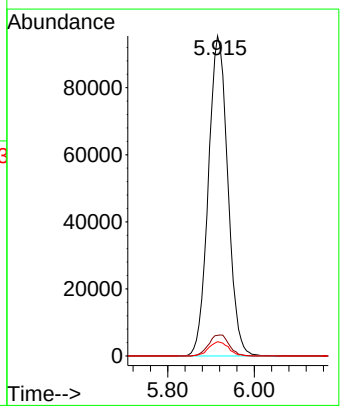


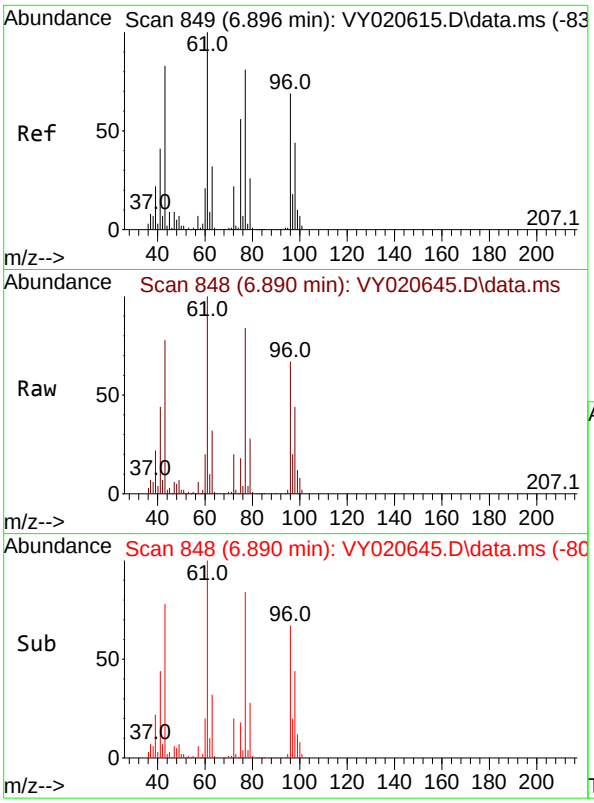


#24
1,1-Dichloroethane
Concen: 55.396 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 63 Resp: 298067

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.4	2.1	6.5



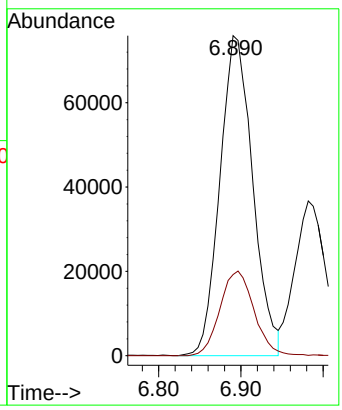


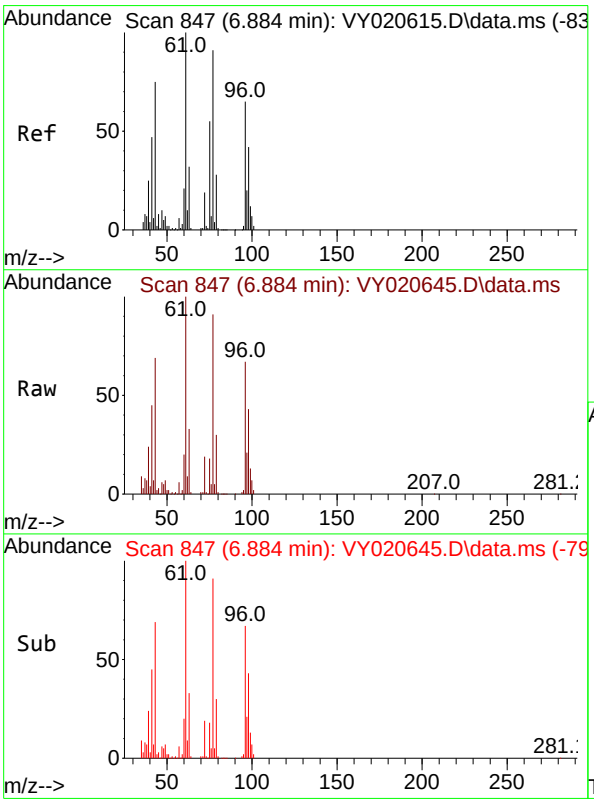
#25
2-Butanone
Concen: 251.894 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 211202

Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.6	31.0

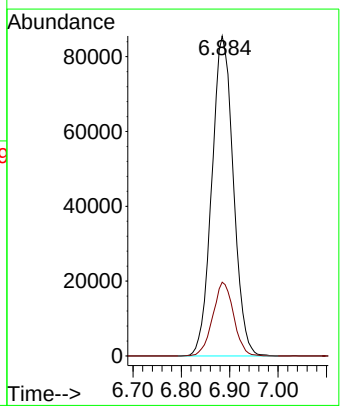


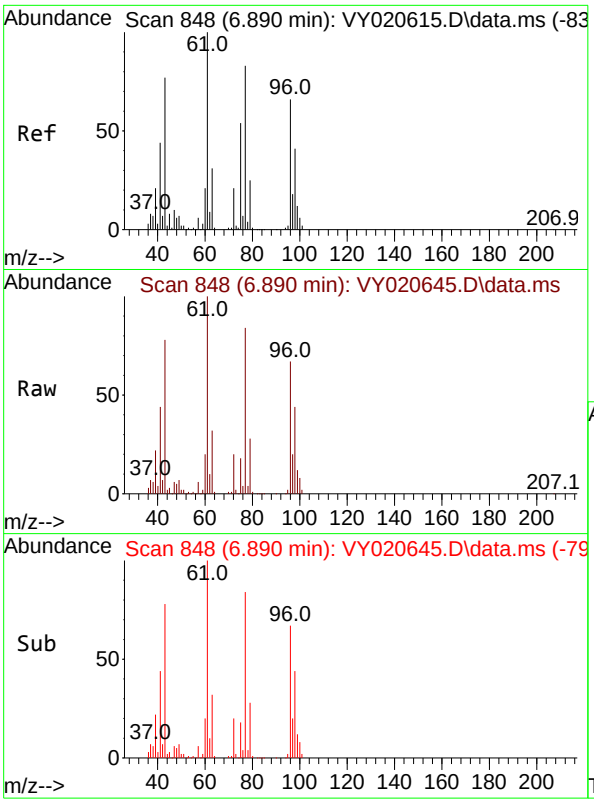


#26
2,2-Dichloropropane
Concen: 52.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 77 Resp: 264836

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6



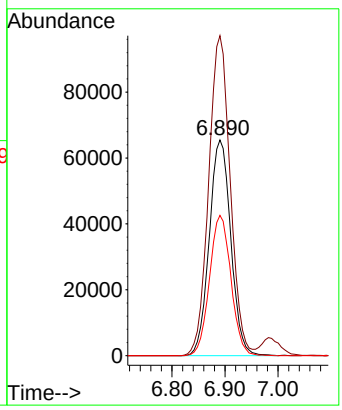


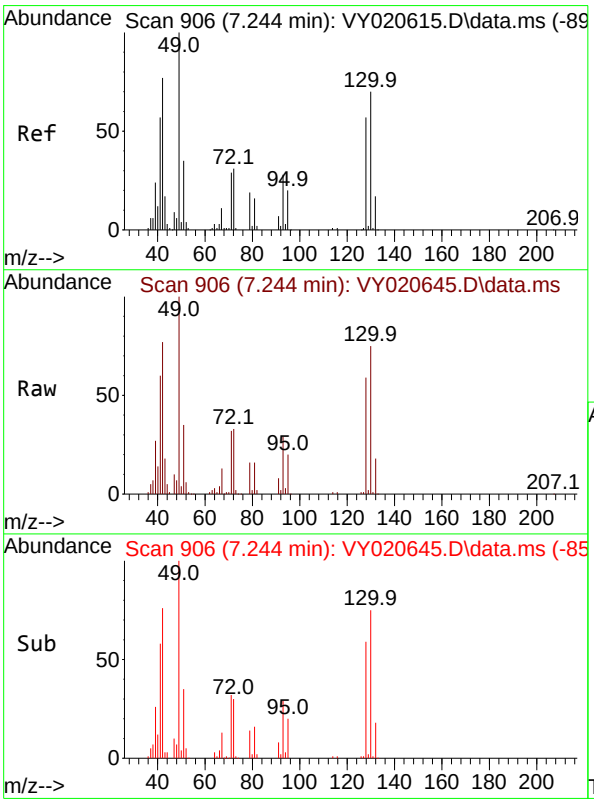
#27
cis-1,2-Dichloroethene
Concen: 55.409 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 184657

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	306.2
98	64.8	0.0	127.2

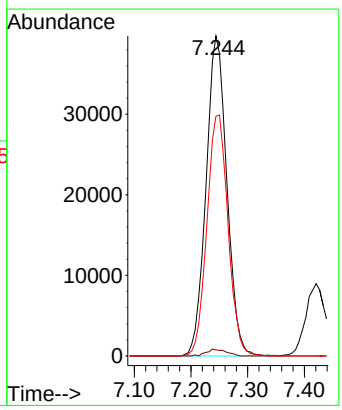


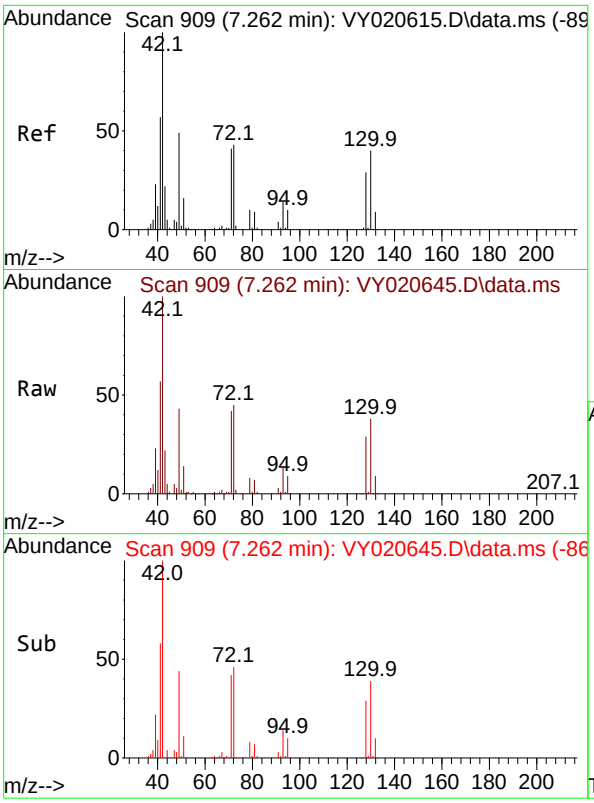


#28
Bromochloromethane
Concen: 55.679 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 49 Resp: 101052

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.5	58.3	87.5



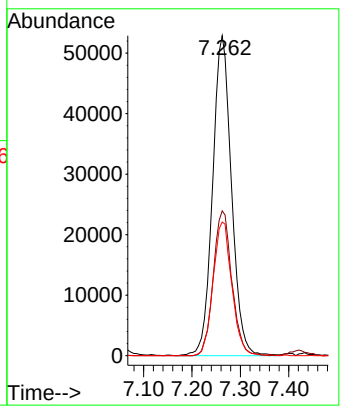


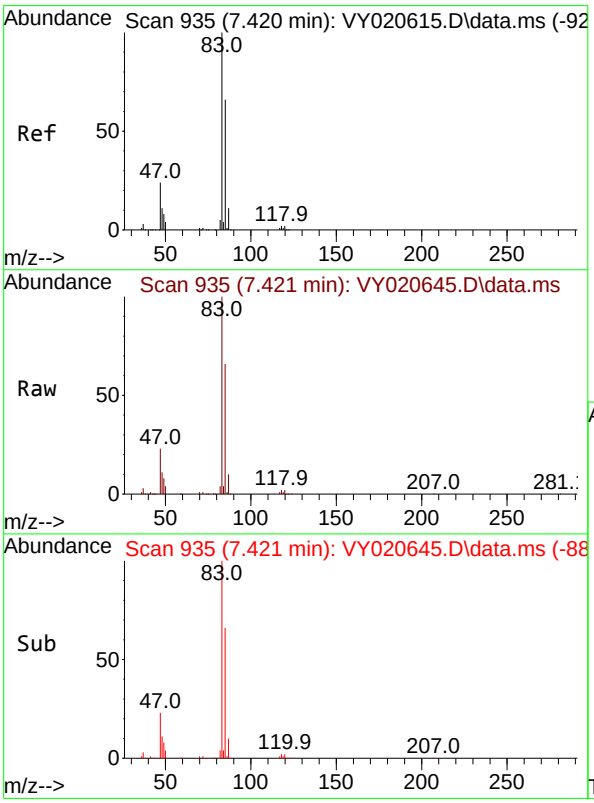
#29
Tetrahydrofuran
Concen: 271.132 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 143510

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.0	51.0
71	41.4	31.6	47.4

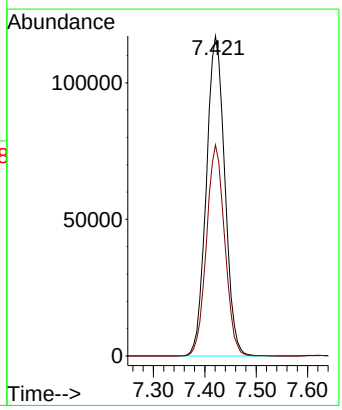


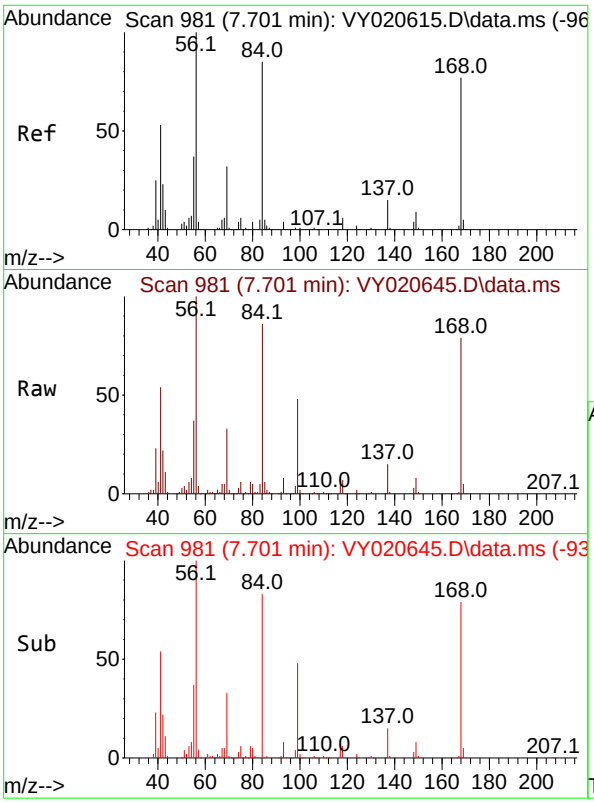


#30
Chloroform
Concen: 54.569 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 83 Resp: 292213

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1



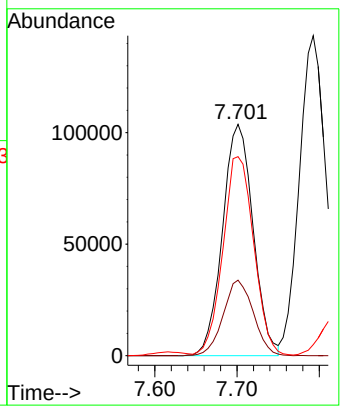


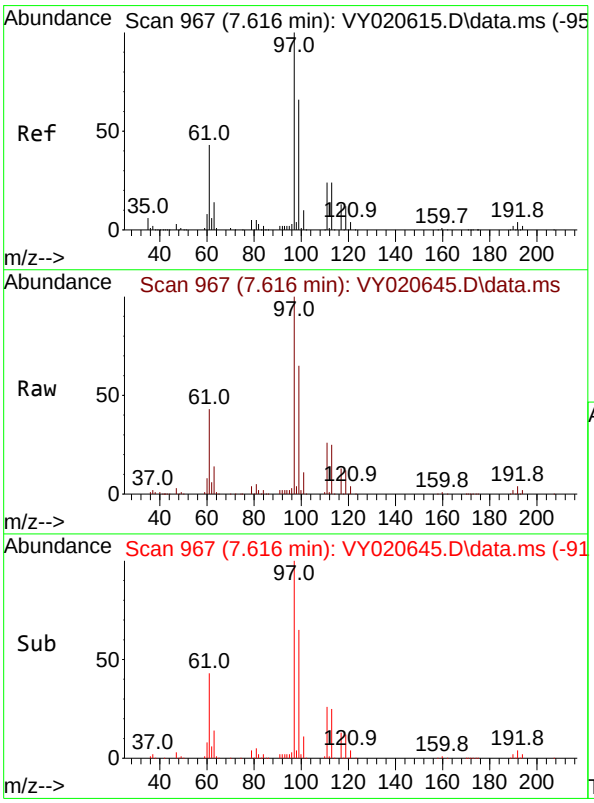
#31
Cyclohexane
Concen: 52.174 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 268423

Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.4	38.0
84	84.6	68.3	102.5

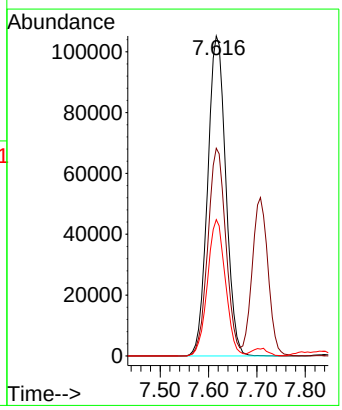


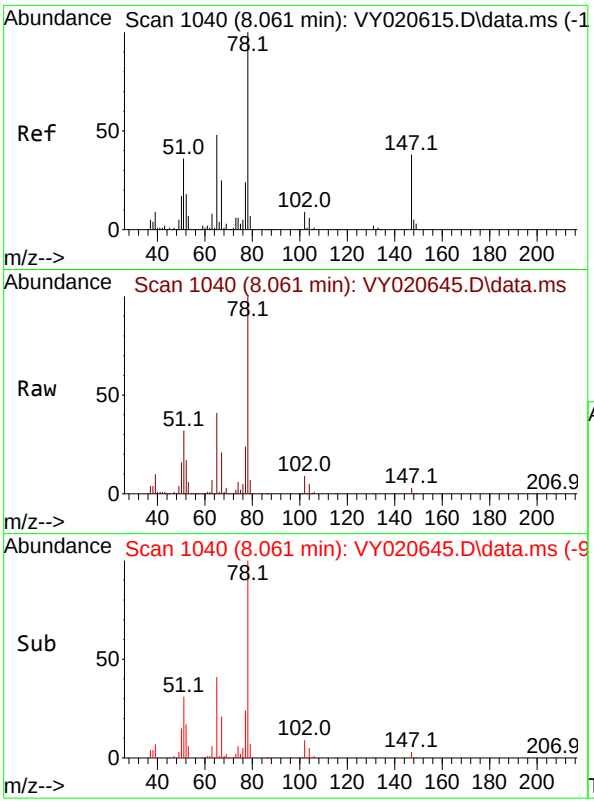


#32
1,1,1-Trichloroethane
Concen: 55.522 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 97 Resp: 274460

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.1	34.7	52.1



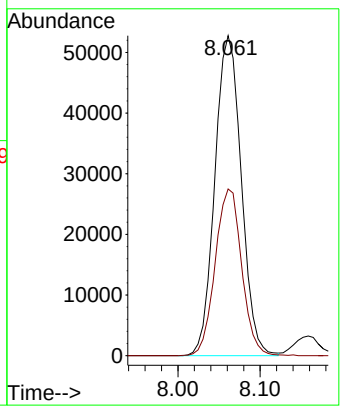


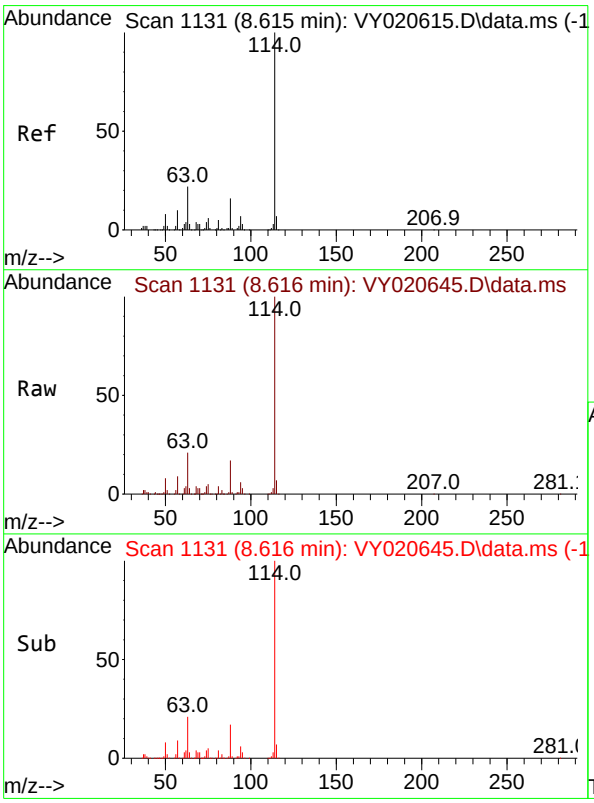
#33
1,2-Dichloroethane-d4
Concen: 52.284 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 117960

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.0

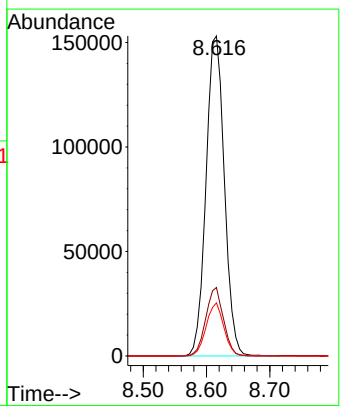


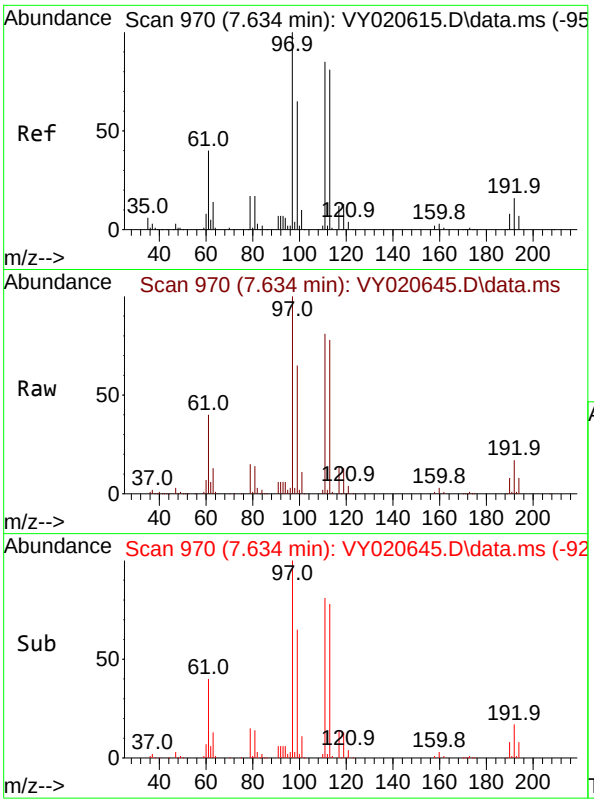


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:114 Resp: 308825

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.6	0.0	32.8



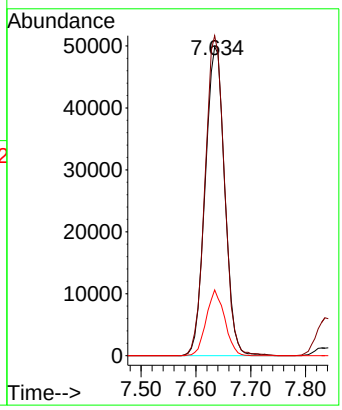


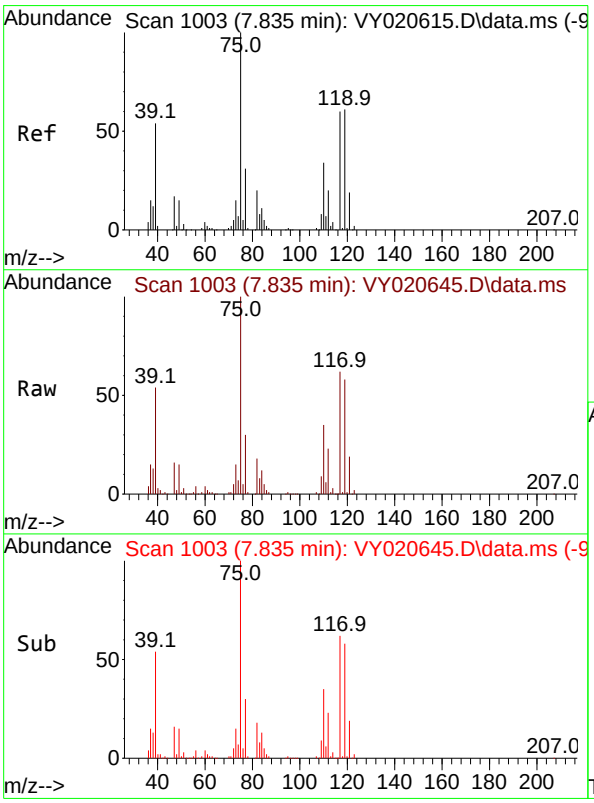
#35
Dibromofluoromethane
Concen: 56.450 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 122865

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.1	15.7	23.5

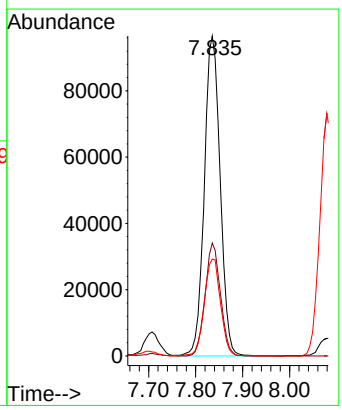


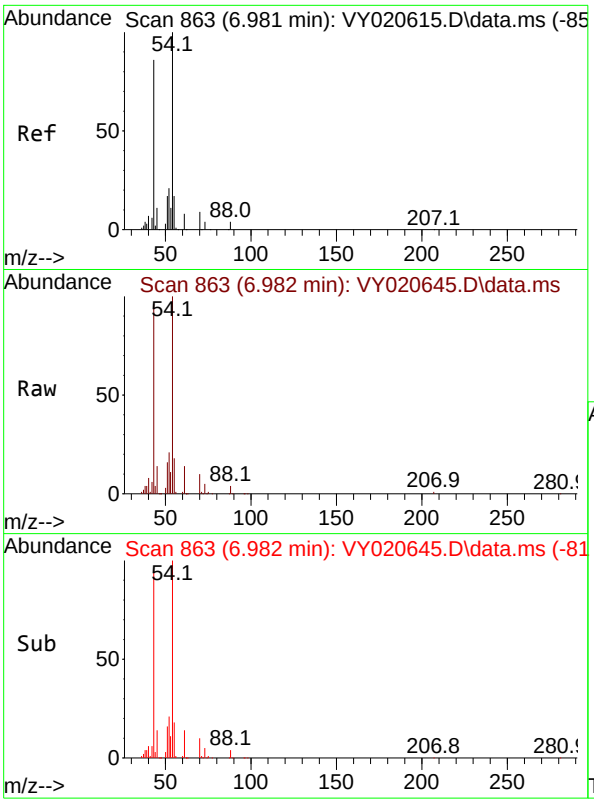


#36
1,1-Dichloropropene
Concen: 56.915 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 225884

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	31.0	25.0	37.6



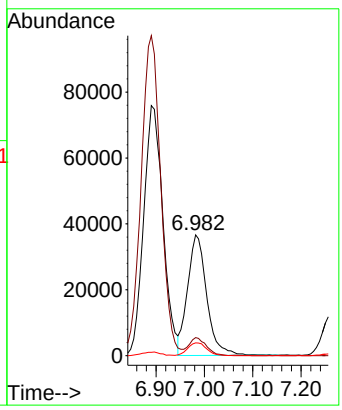


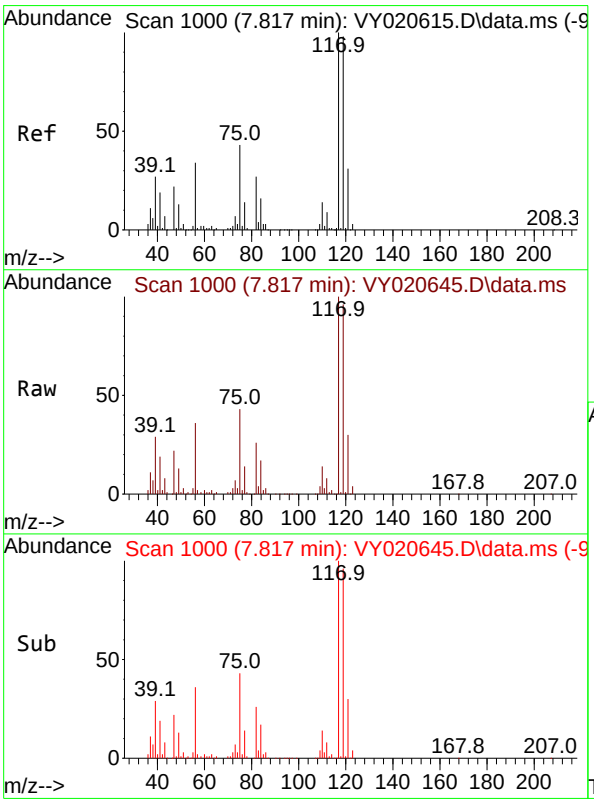
#37
Ethyl Acetate
Concen: 53.805 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 100446

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.6	7.9	11.9

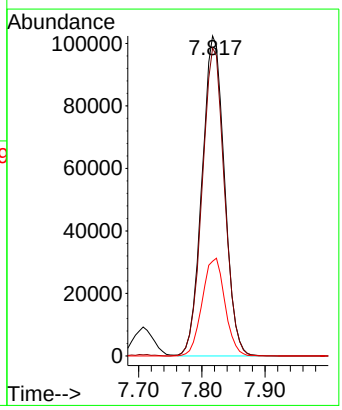


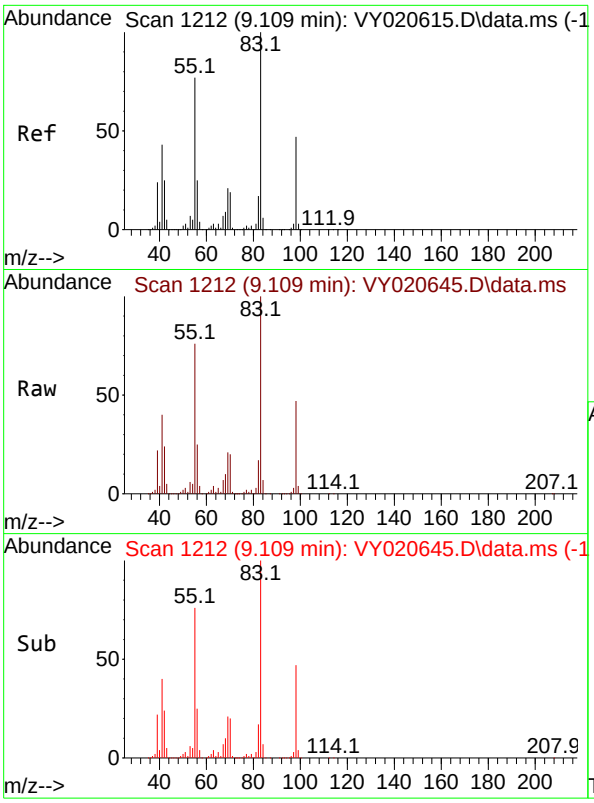


#38
Carbon Tetrachloride
Concen: 57.572 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:117 Resp: 252799

Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.3	117.5
121	29.6	25.1	37.7



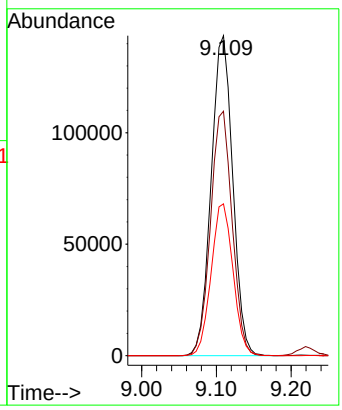


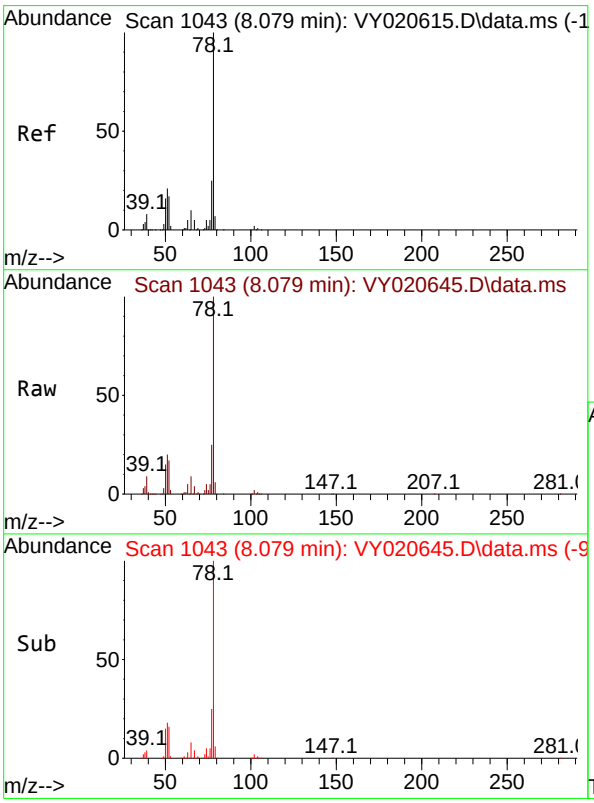
#39
Methylcyclohexane
Concen: 55.640 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 287808

Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.4	92.0
98	47.5	37.3	55.9

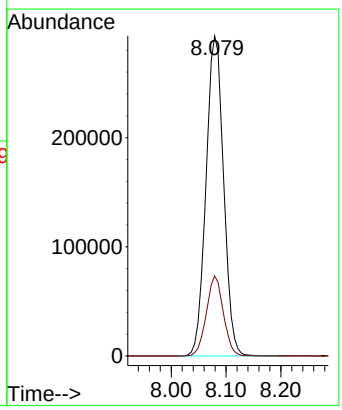


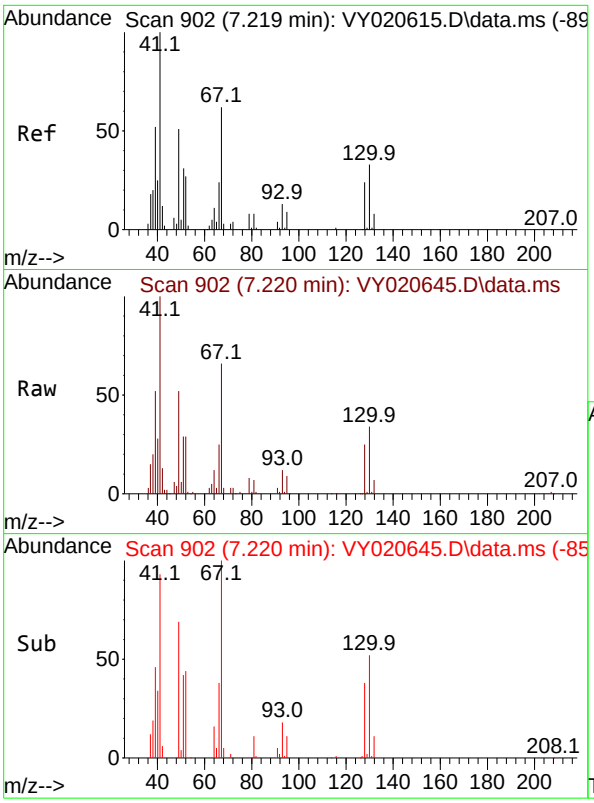


#40
Benzene
Concen: 55.955 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 78 Resp: 650927

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1



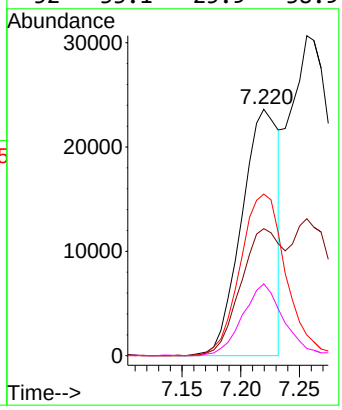


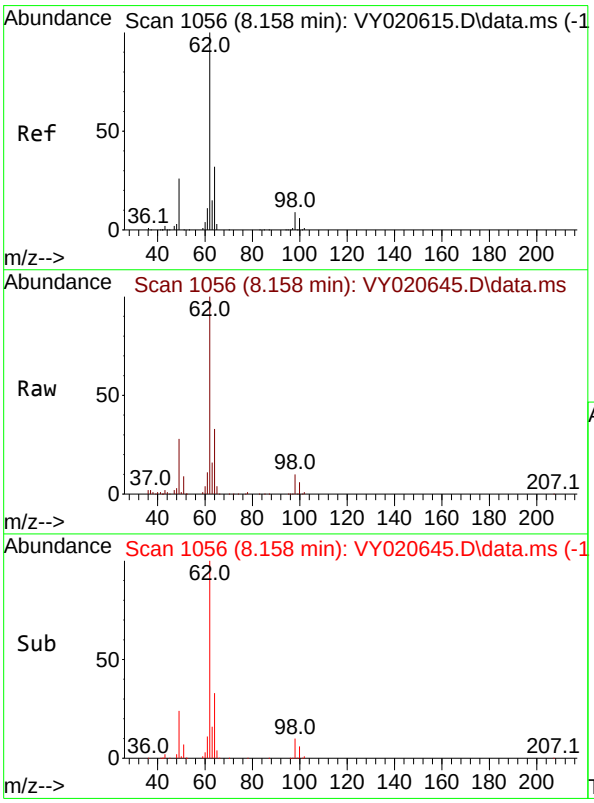
#41
Methacrylonitrile
Concen: 52.143 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 51462

Ion	Ratio	Lower	Upper
41	100		
39	59.5	53.6	80.4
67	81.5	62.0	93.0
52	33.1	25.9	38.9

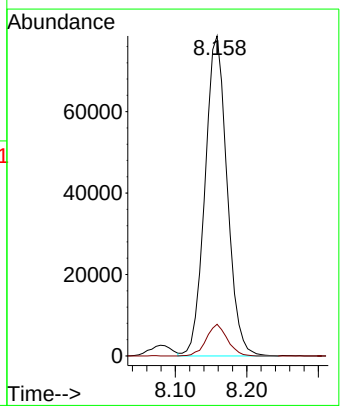


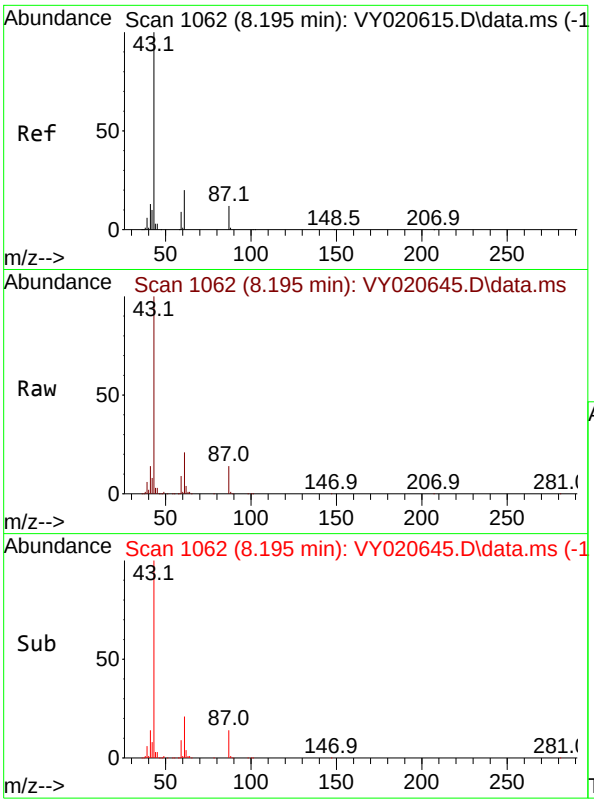


#42
1,2-Dichloroethane
Concen: 54.747 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 62 Resp: 168914

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0



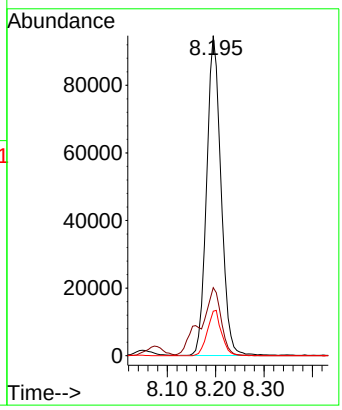


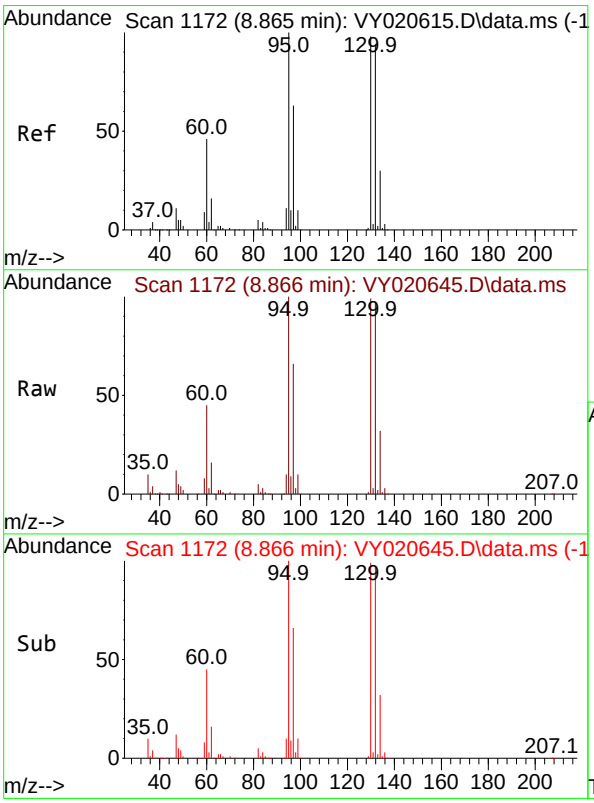
#43
Isopropyl Acetate
Concen: 55.280 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 195375

Ion	Ratio	Lower	Upper
43	100		
61	21.3	23.8	35.6#
87	13.9	10.2	15.4

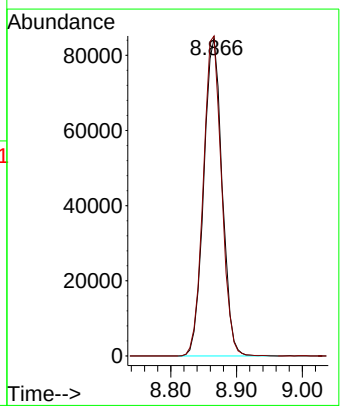


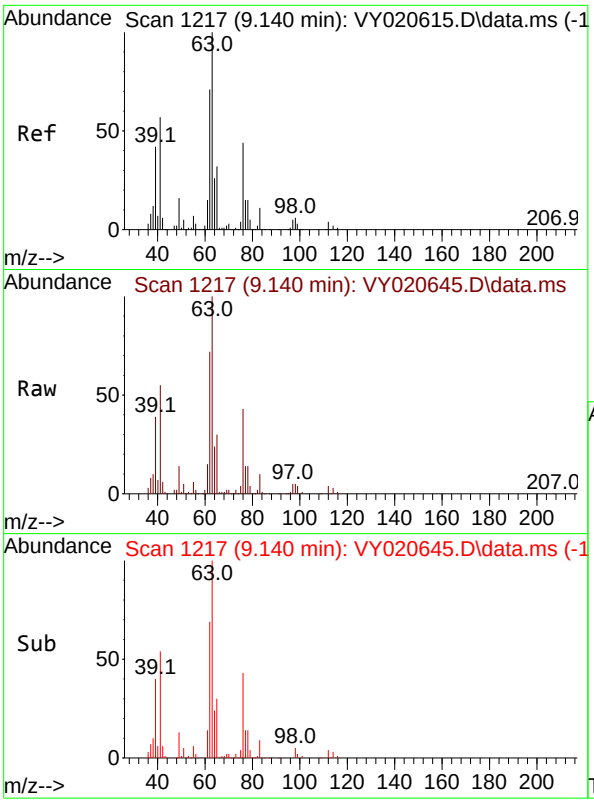


#44
Trichloroethene
Concen: 57.447 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:130 Resp: 164213

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2



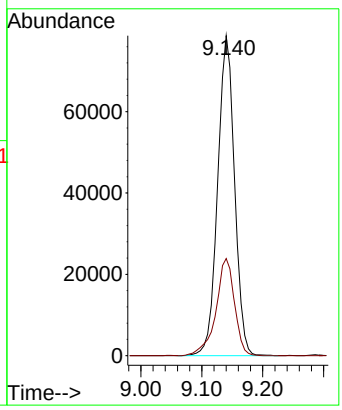


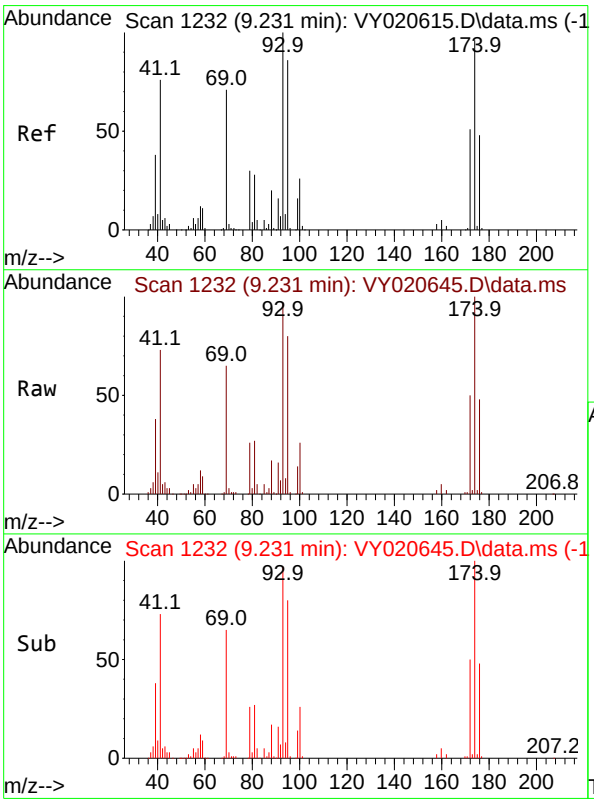
#45
1,2-Dichloropropane
Concen: 55.786 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 151671

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.9	38.9

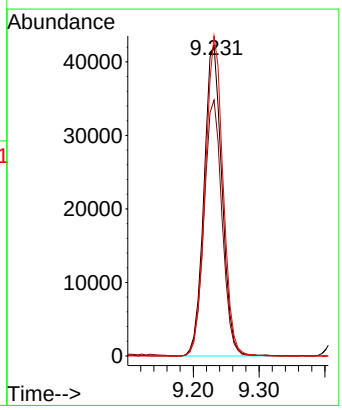


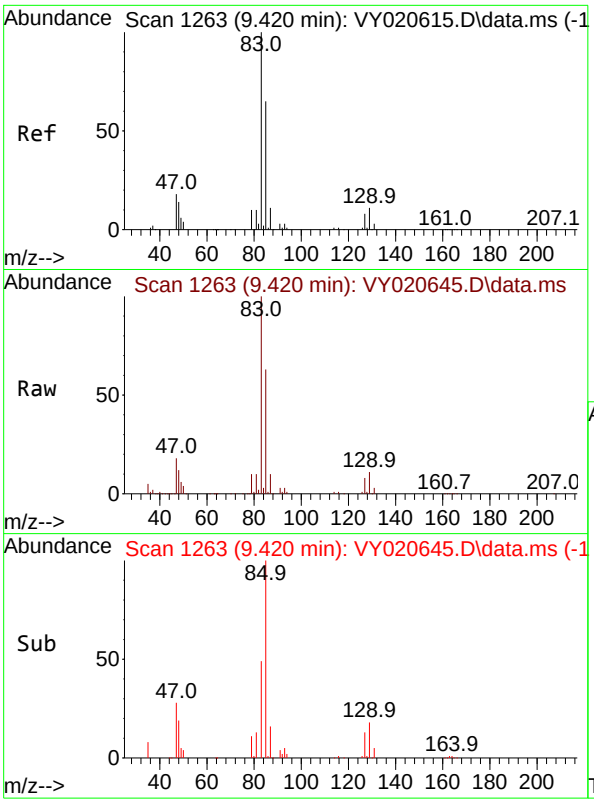


#46
Dibromomethane
Concen: 55.885 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 93 Resp: 80300

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	101.6	77.8	116.6



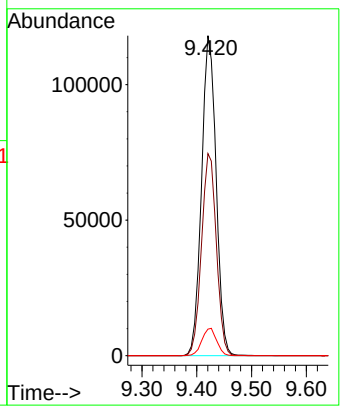


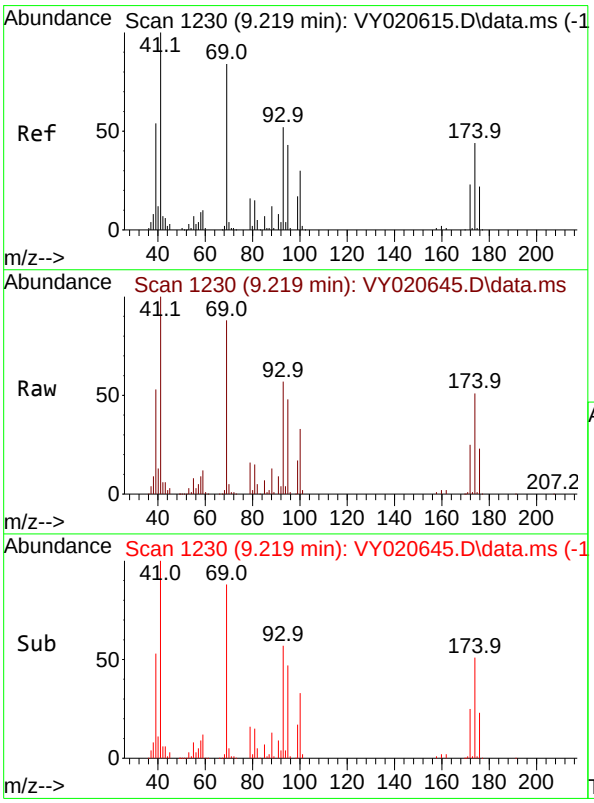
#47
Bromodichloromethane
Concen: 56.001 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 217355

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1
127	8.3	6.7	10.1

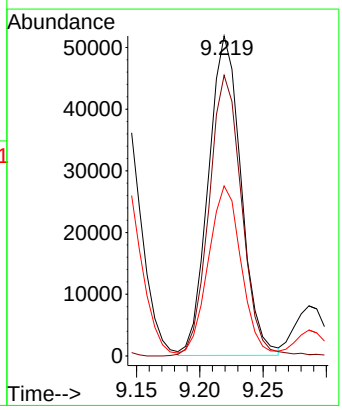


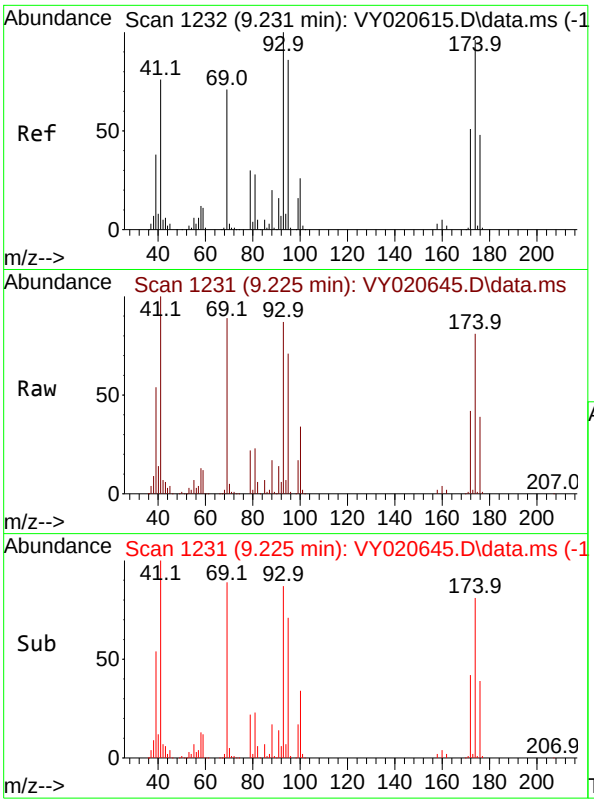


#48
Methyl methacrylate
Concen: 55.418 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 41 Resp: 93111

Ion	Ratio	Lower	Upper
41	100		
69	88.0	67.2	100.8
39	51.9	42.2	63.4



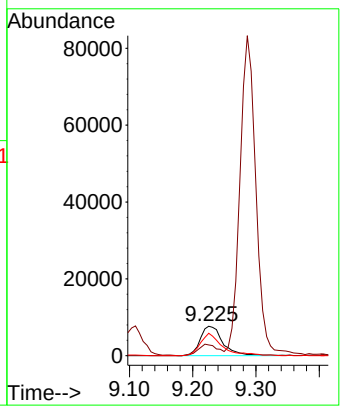


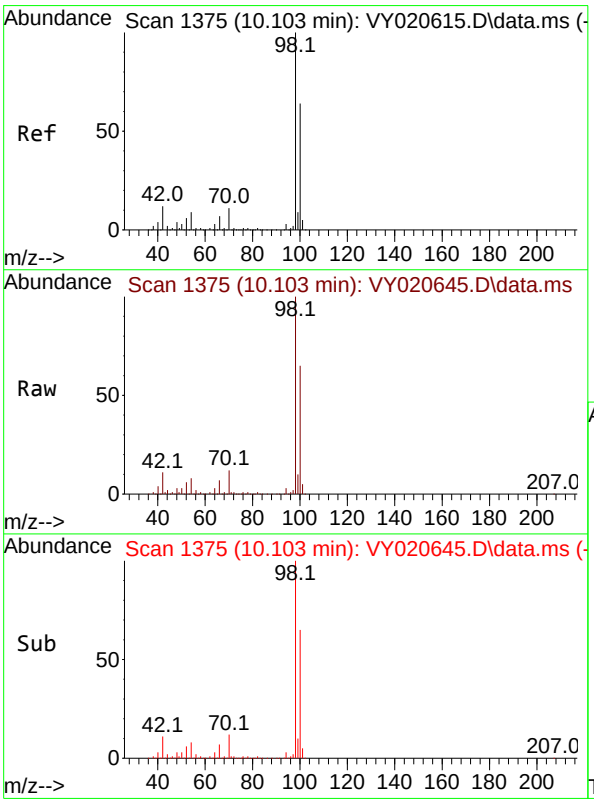
#49
1,4-Dioxane
Concen: 1164.626 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 19191

Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.6	41.4
58	73.2	61.7	92.5

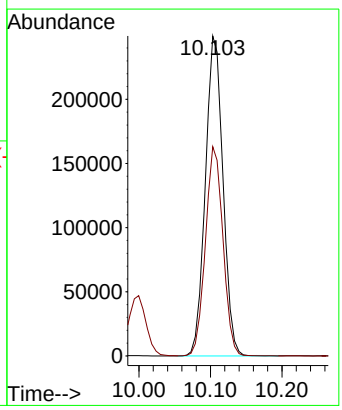


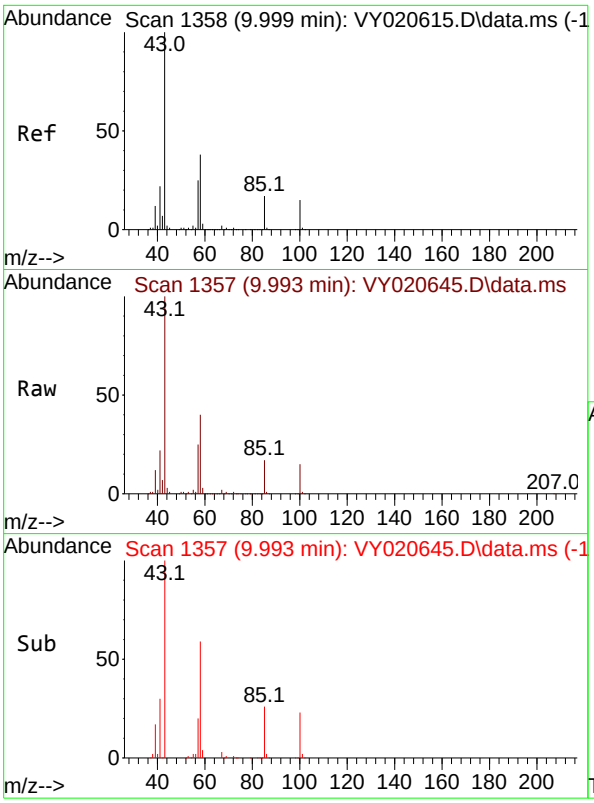


#50
Toluene-d8
Concen: 55.973 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 98 Resp: 426408

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



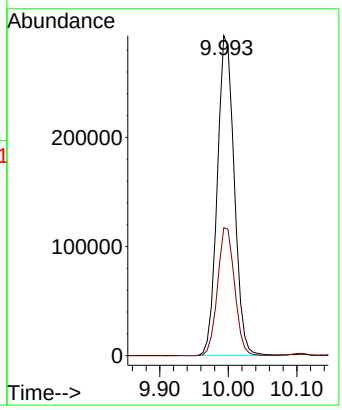


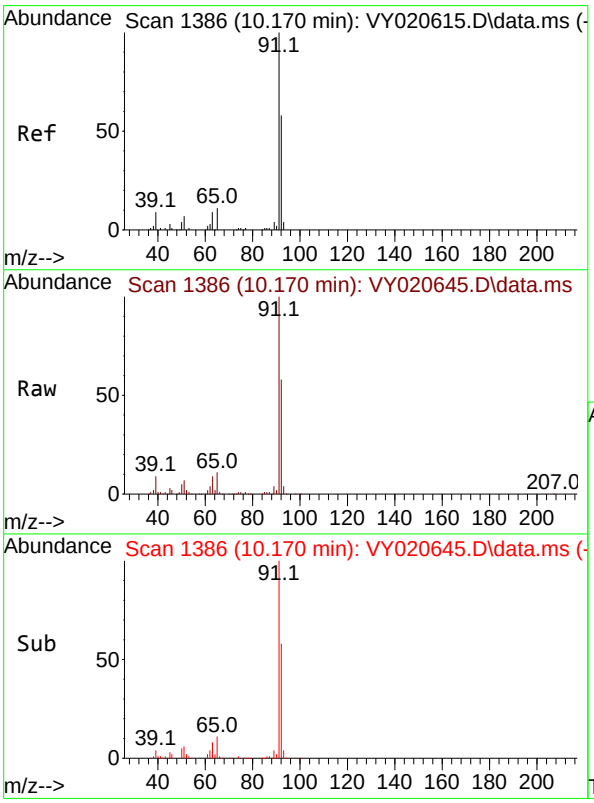
#51
4-Methyl-2-Pentanone
Concen: 269.490 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 502739

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.4	47.2

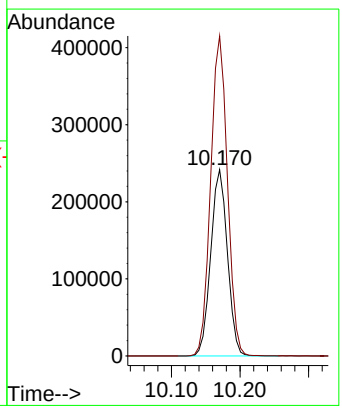


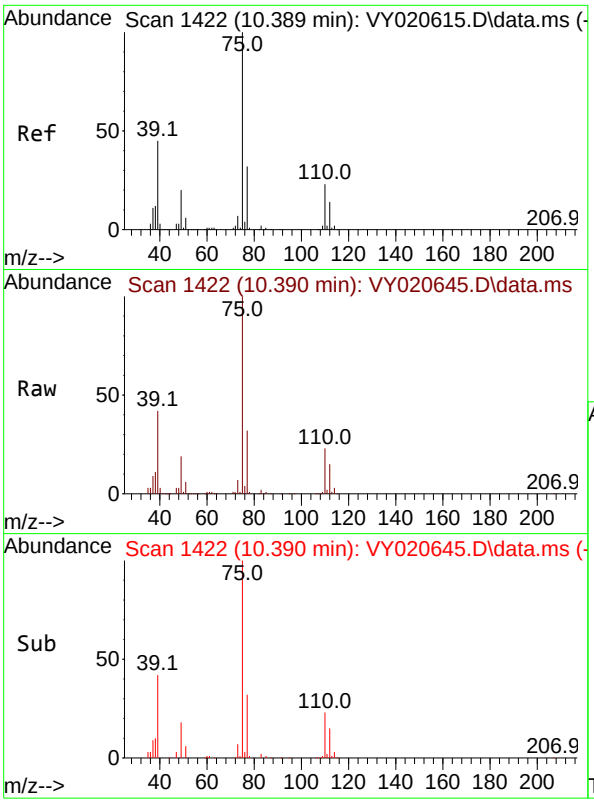


#52
Toluene
Concen: 56.356 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 92 Resp: 407430

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.0



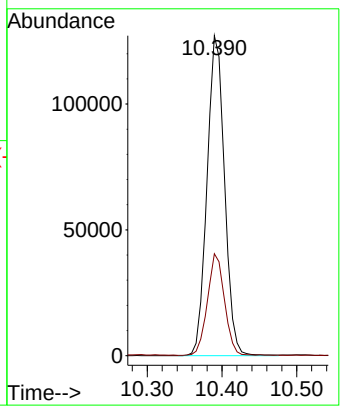


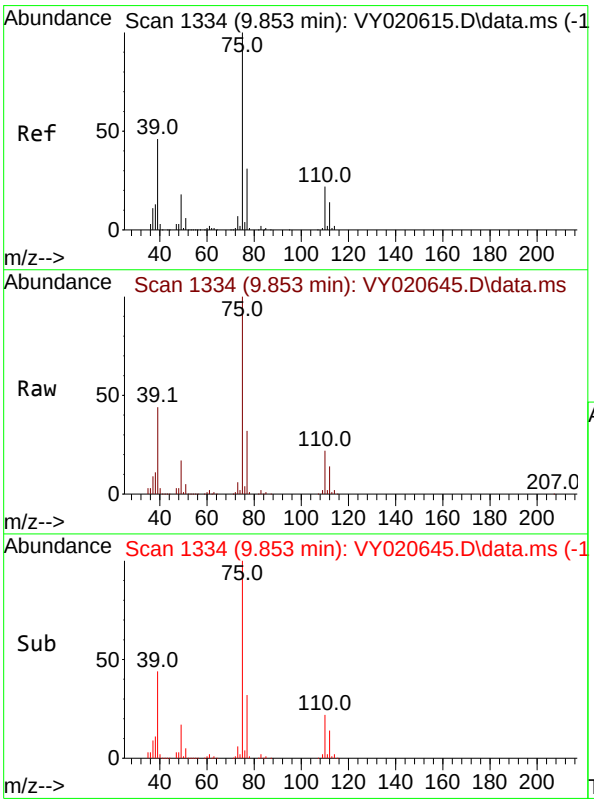
#53
t-1,3-Dichloropropene
Concen: 57.330 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 207340

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

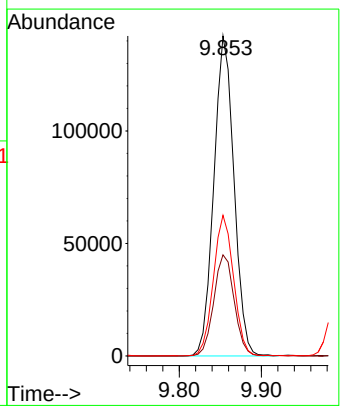


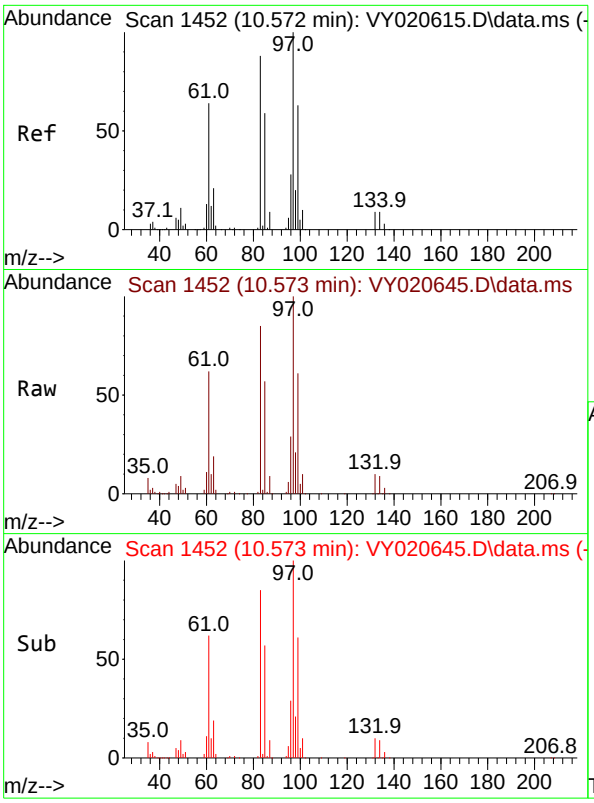


#54
cis-1,3-Dichloropropene
Concen: 56.364 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 241551

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	43.9	36.4	54.6



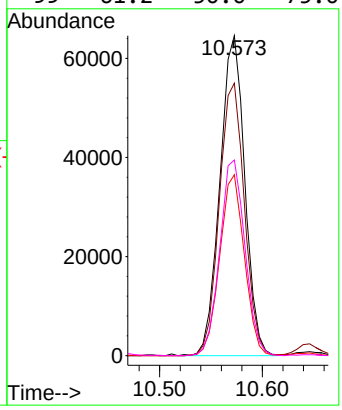


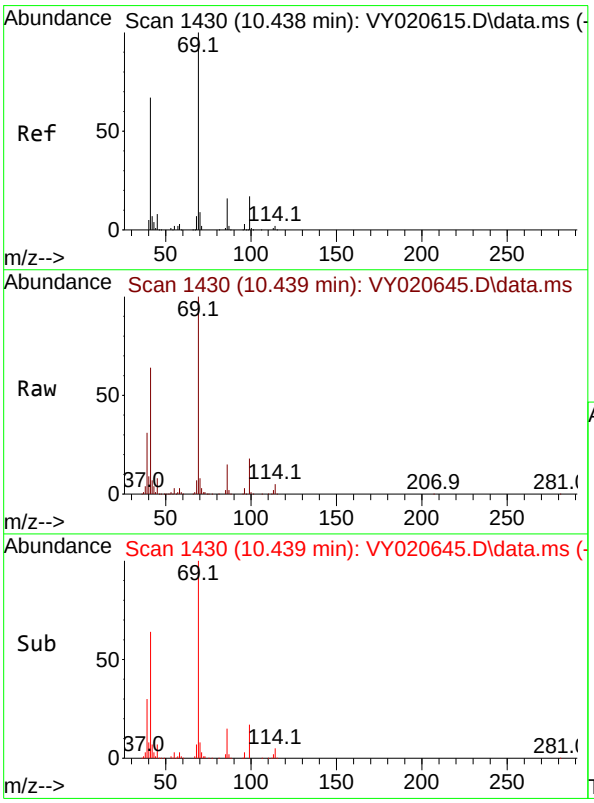
#55
1,1,2-Trichloroethane
Concen: 57.107 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 108487

Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.4	105.6
85	56.6	47.2	70.8
99	61.2	50.0	75.0

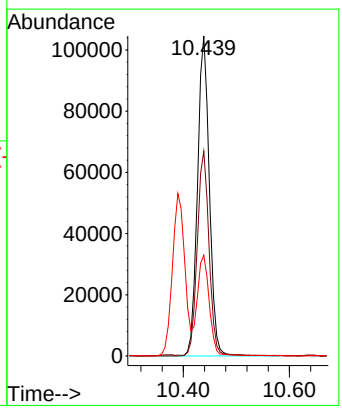


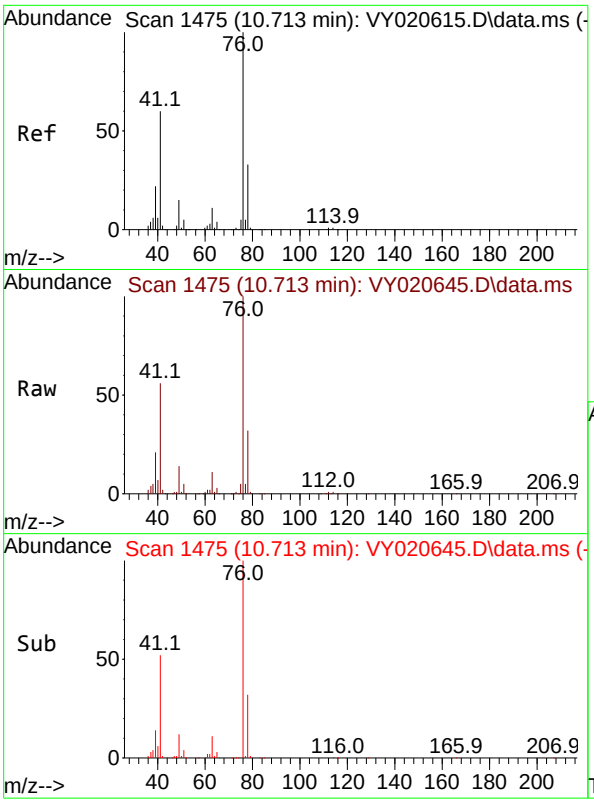


#56
Ethyl methacrylate
Concen: 58.883 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 69 Resp: 162282

Ion	Ratio	Lower	Upper
69	100		
41	62.7	54.0	81.0
39	31.9	27.9	41.9



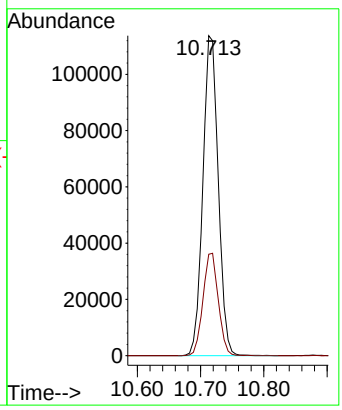


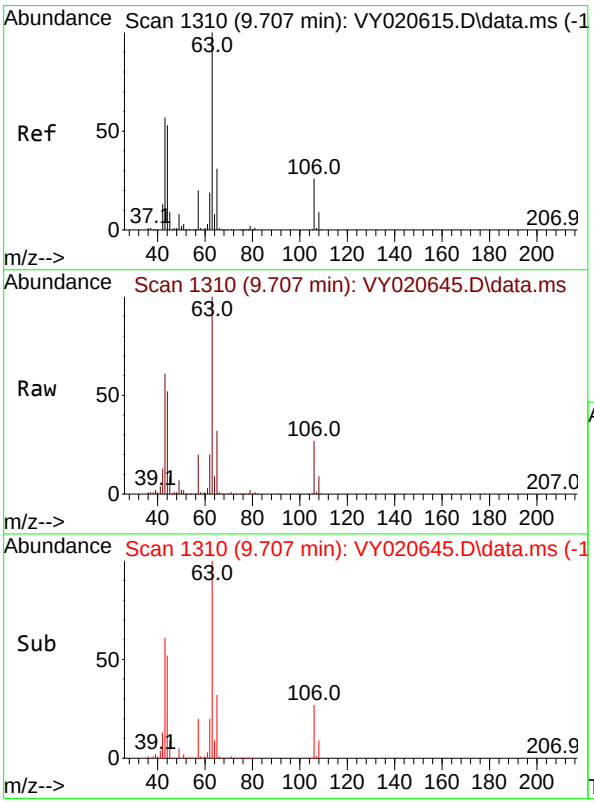
#57
1,3-Dichloropropane
Concen: 56.787 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 192310

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

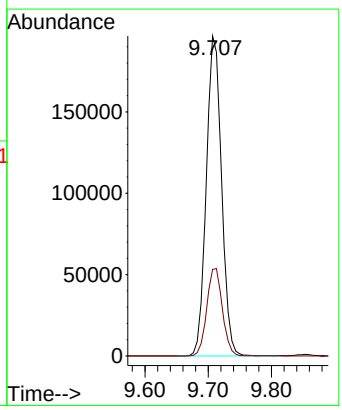


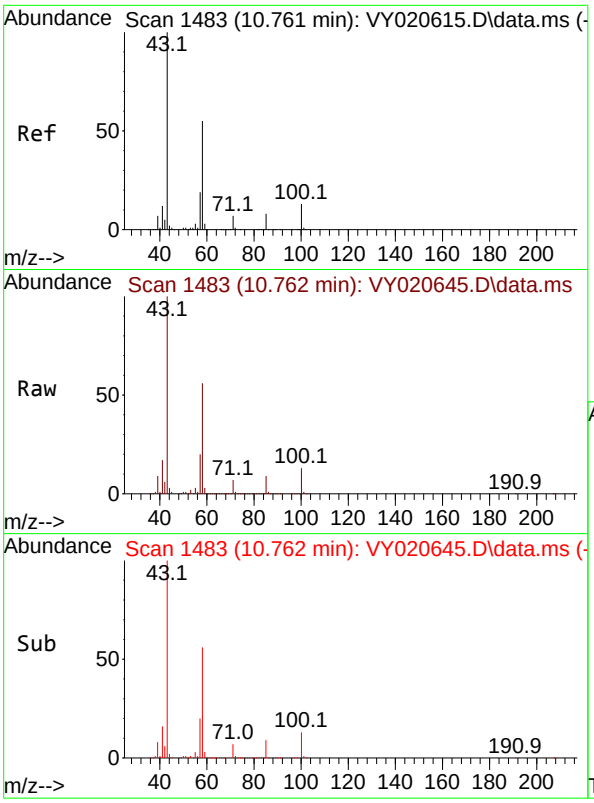


#58
2-Chloroethyl Vinyl ether
Concen: 284.827 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 63 Resp: 330296

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.5	32.3



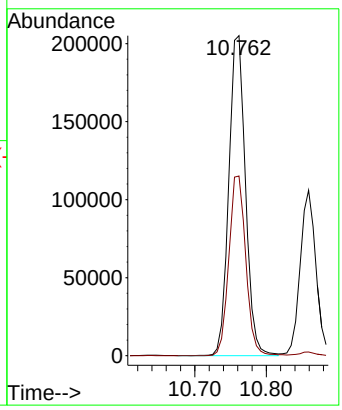


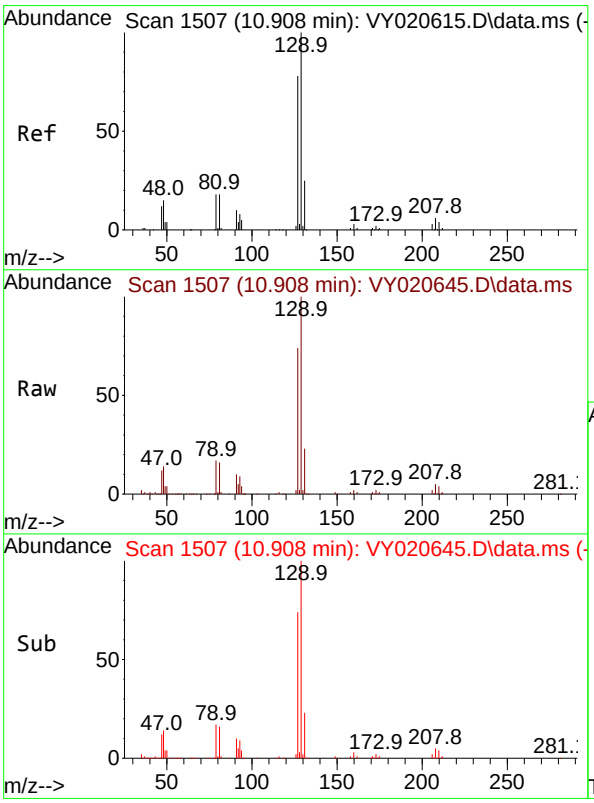
#59
2-Hexanone
Concen: 277.291 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 332124

Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.2	81.6

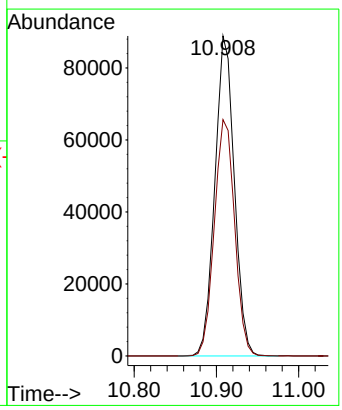


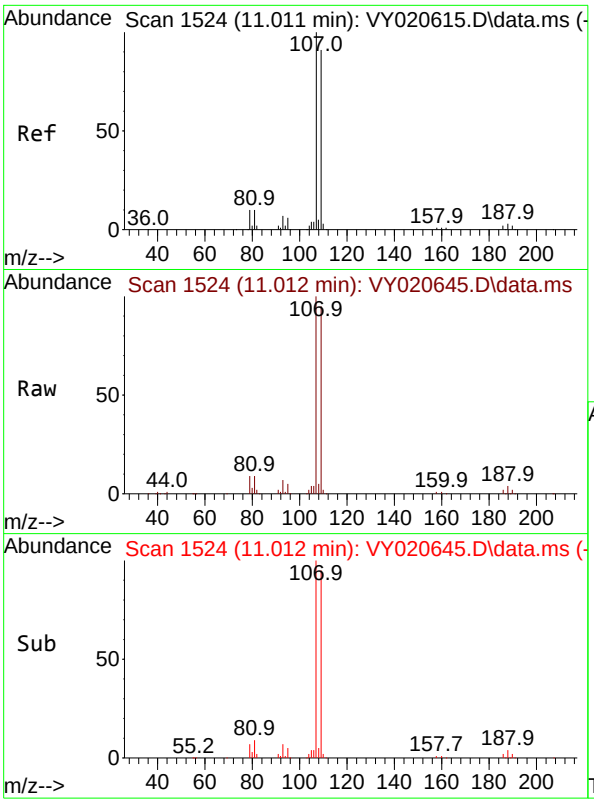


#60
Dibromochloromethane
Concen: 57.418 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:129 Resp: 145879

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.1	114.3



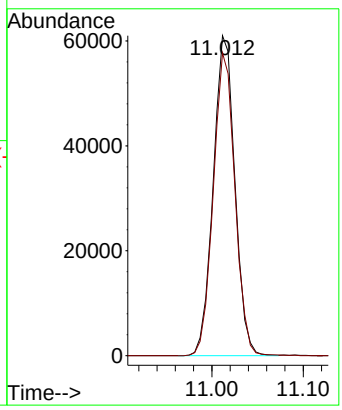


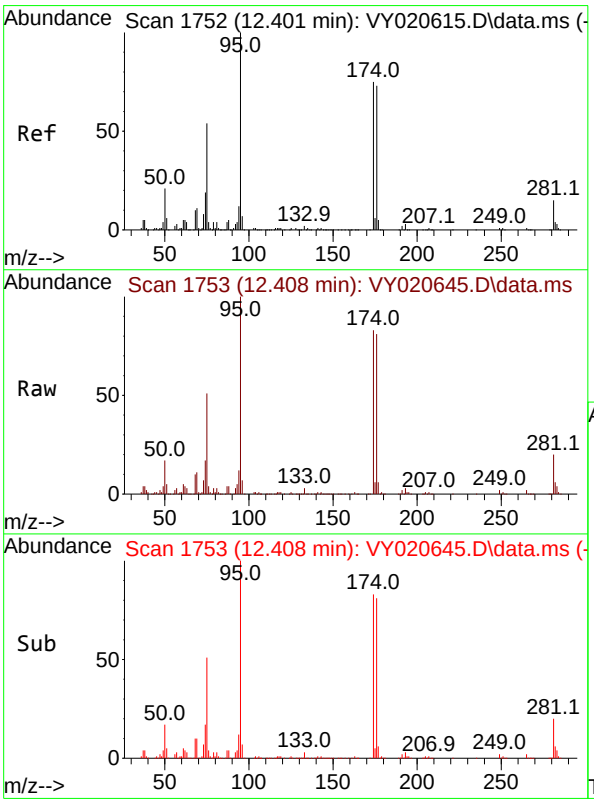
#61
1,2-Dibromoethane
Concen: 56.781 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 100336

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

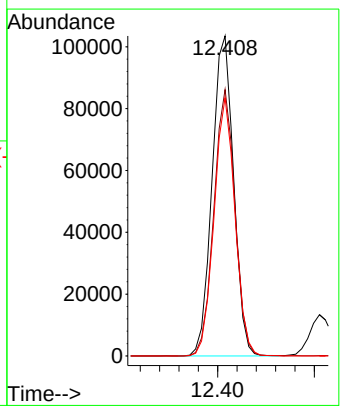


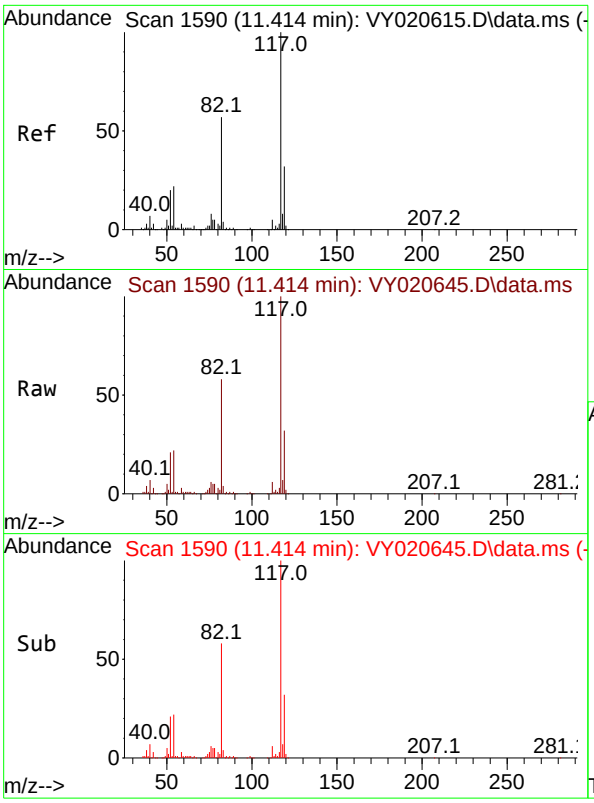


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 95 Resp: 159346

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	161.8
176	78.6	0.0	156.6



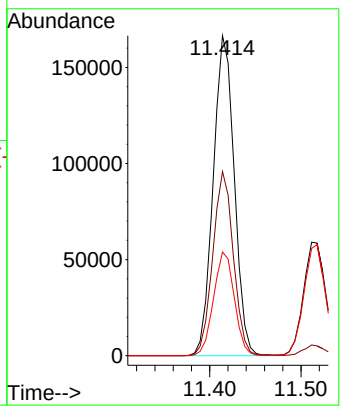


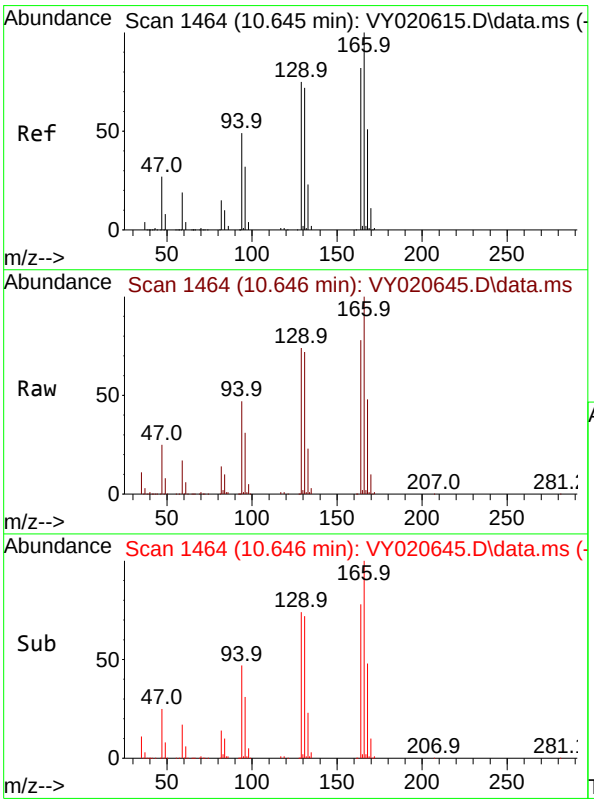
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 266753

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	32.4	25.3	37.9

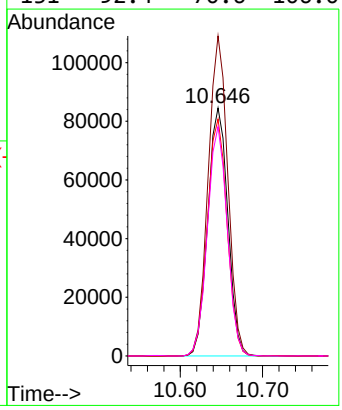


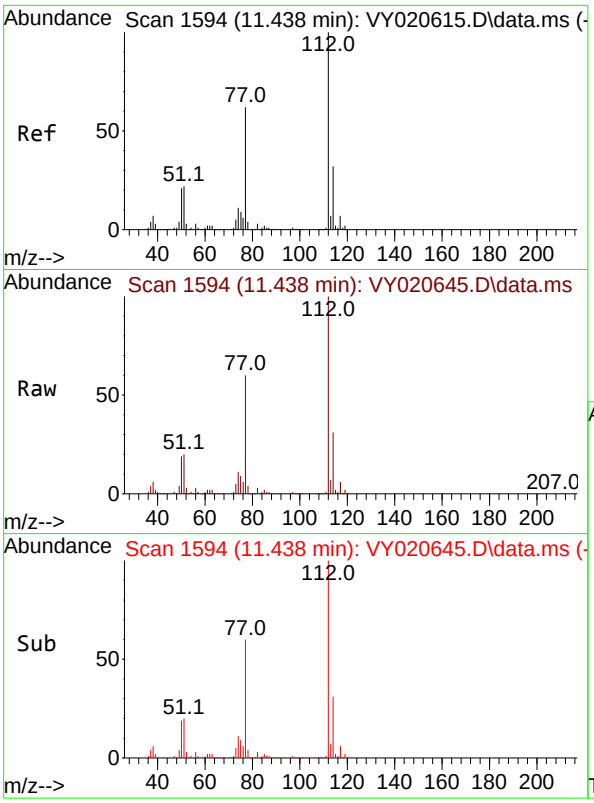


#64
Tetrachloroethene
Concen: 57.159 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:164 Resp: 143419

Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.9	146.9
129	95.4	73.4	110.0
131	92.4	70.6	106.0



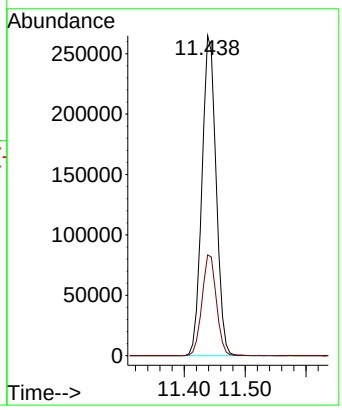


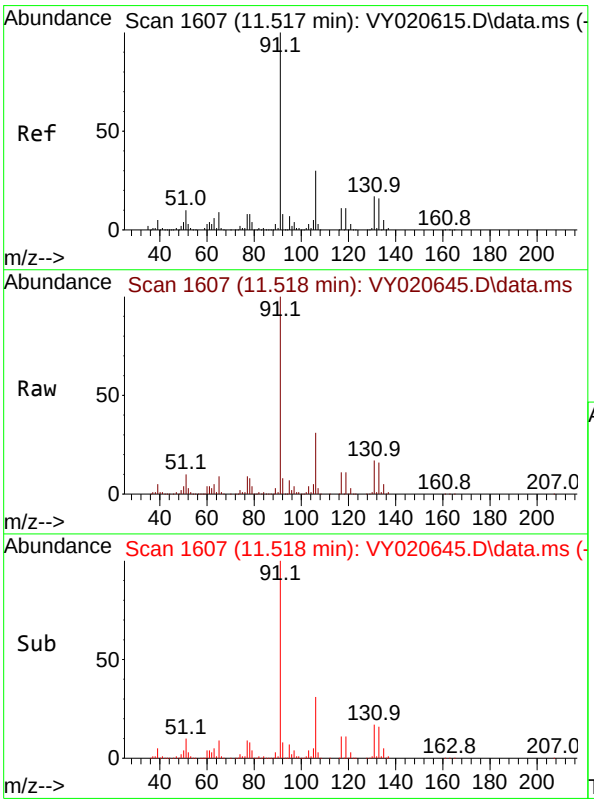
#65
Chlorobenzene
Concen: 57.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 427986

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0

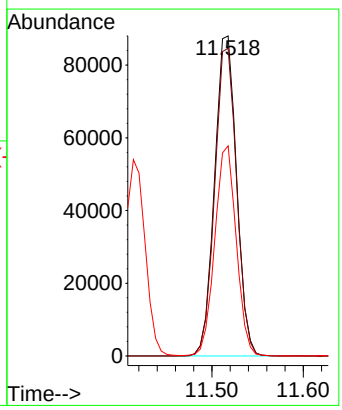


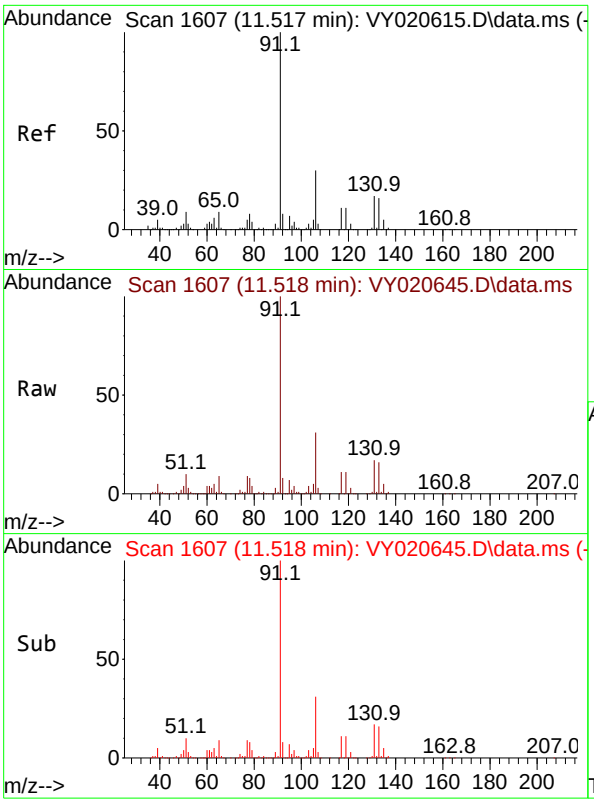


#66
1,1,1,2-Tetrachloroethane
Concen: 57.723 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:131 Resp: 147222

Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.8	140.3
119	64.3	31.8	95.3



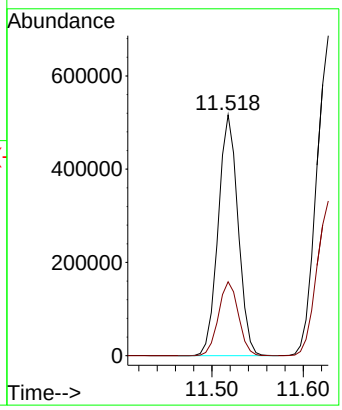


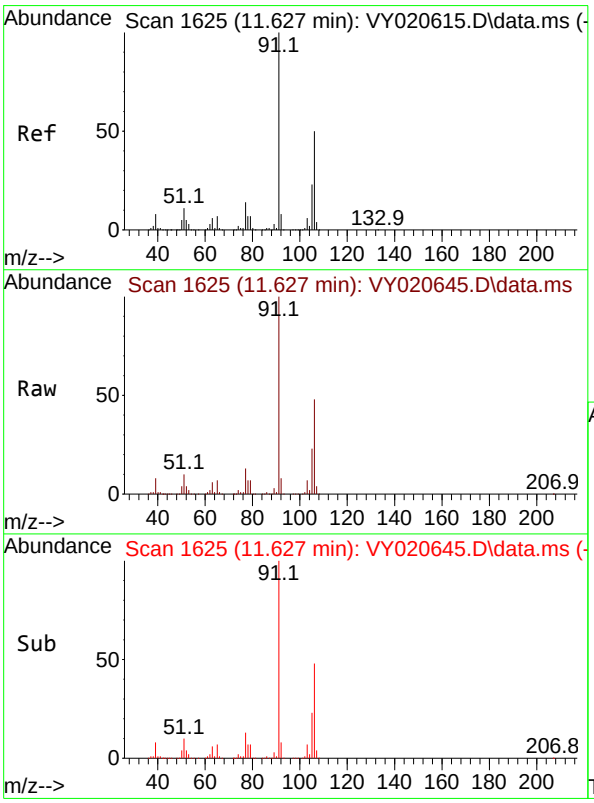
#67
Ethyl Benzene
Concen: 56.821 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 781876

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

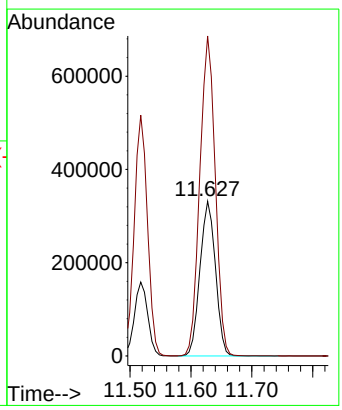


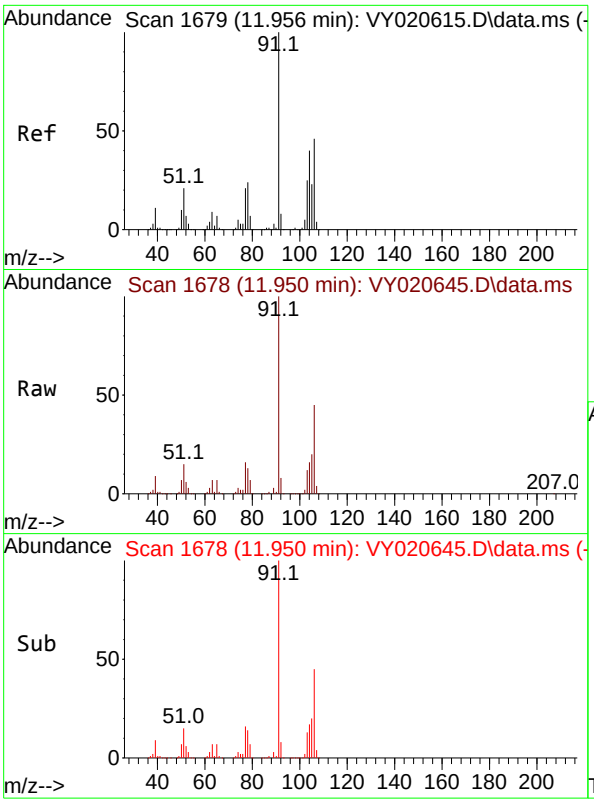


#68
m/p-Xylenes
Concen: 114.405 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:106 Resp: 585329

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.0	247.4



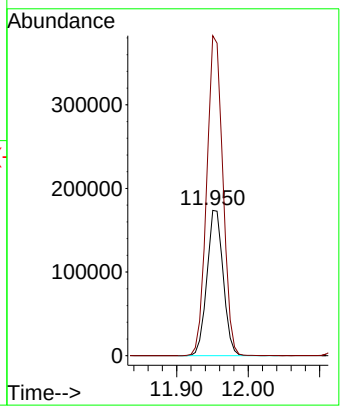


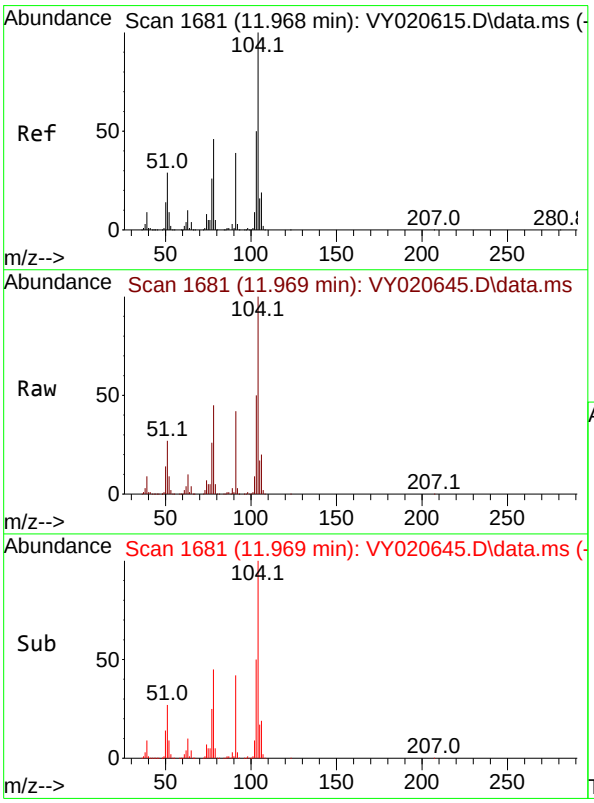
#69
o-Xylene
Concen: 57.438 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 274190

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.4	325.2

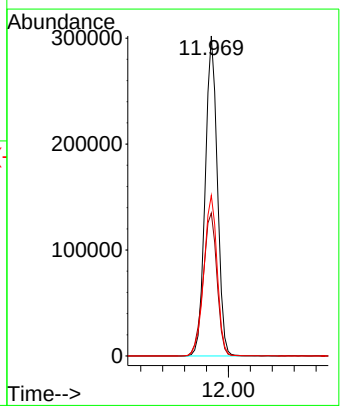


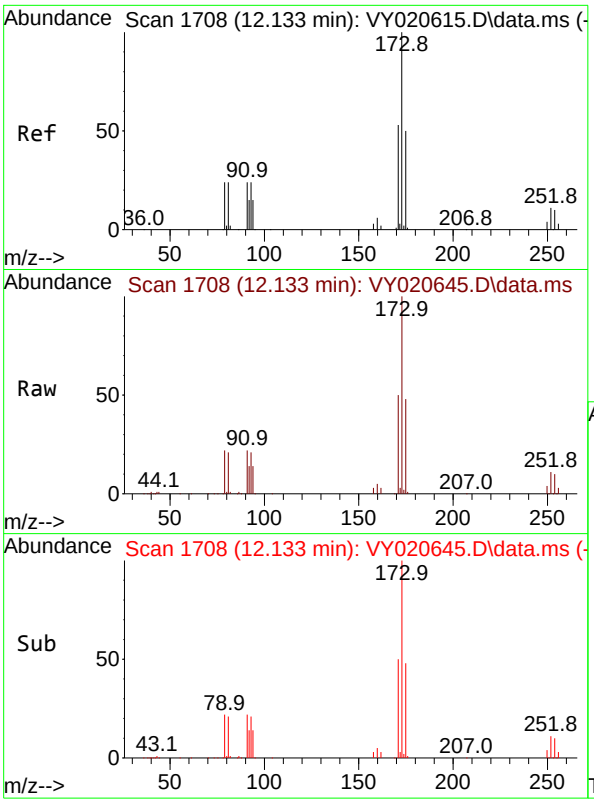


#70
Styrene
Concen: 58.035 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:104 Resp: 462869

Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.6	62.4
103	54.6	43.7	65.5



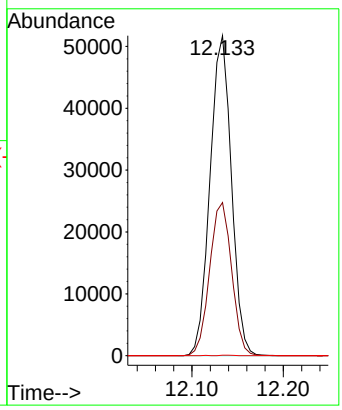


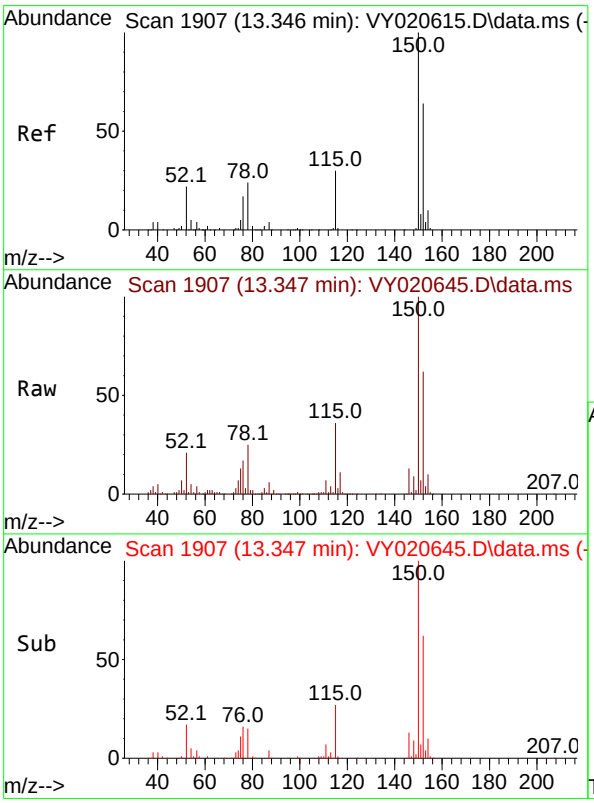
#71
Bromoform
Concen: 58.631 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 84075

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.1	0.0	0.0#

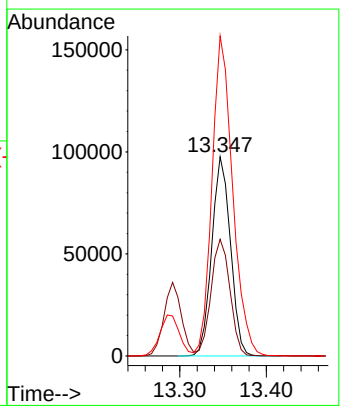


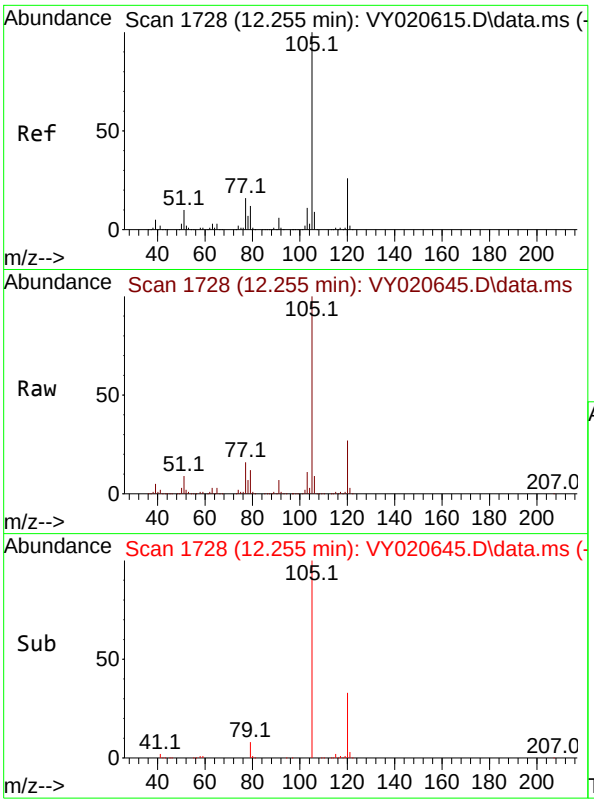


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:152 Resp: 146371

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	177.6	0.0	355.4



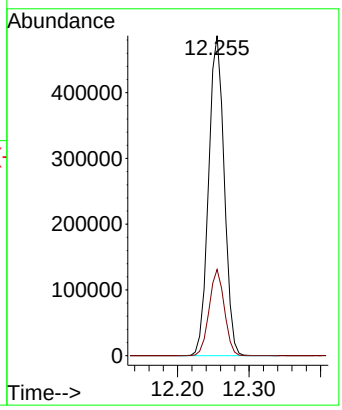


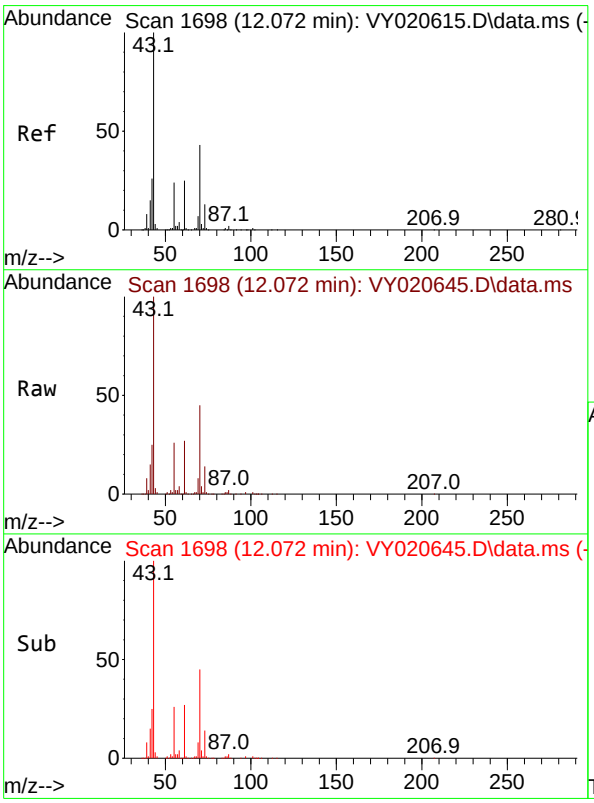
#73
Isopropylbenzene
Concen: 57.692 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 736909

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

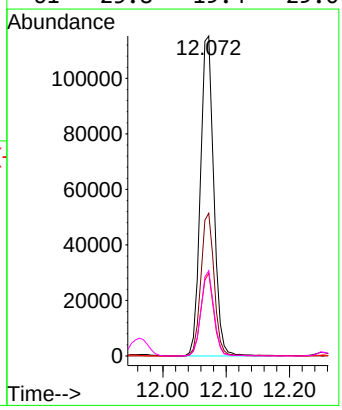


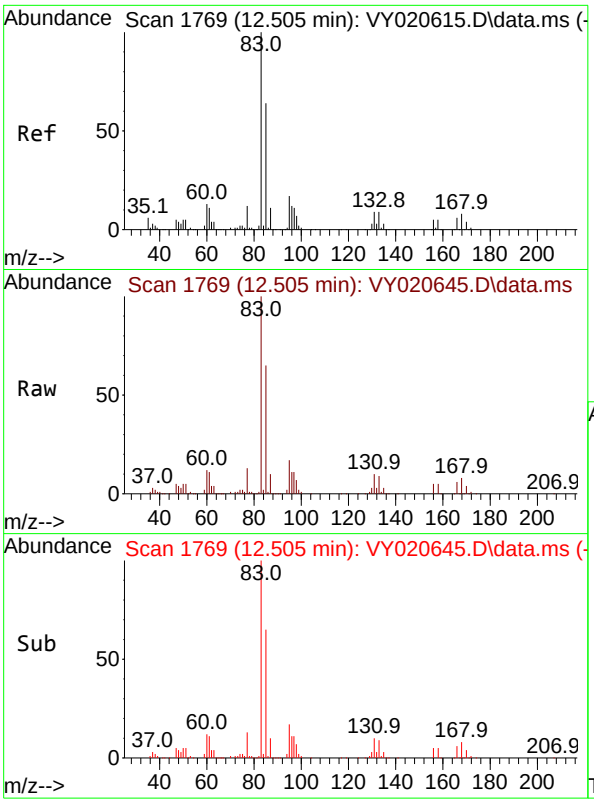


#74
N-amyl acetate
Concen: 56.850 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 43 Resp: 169942

Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.2	51.2
55	25.1	19.6	29.4
61	25.8	19.4	29.0



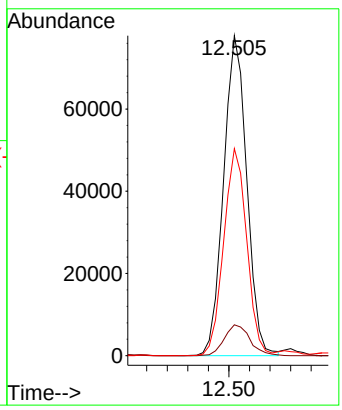


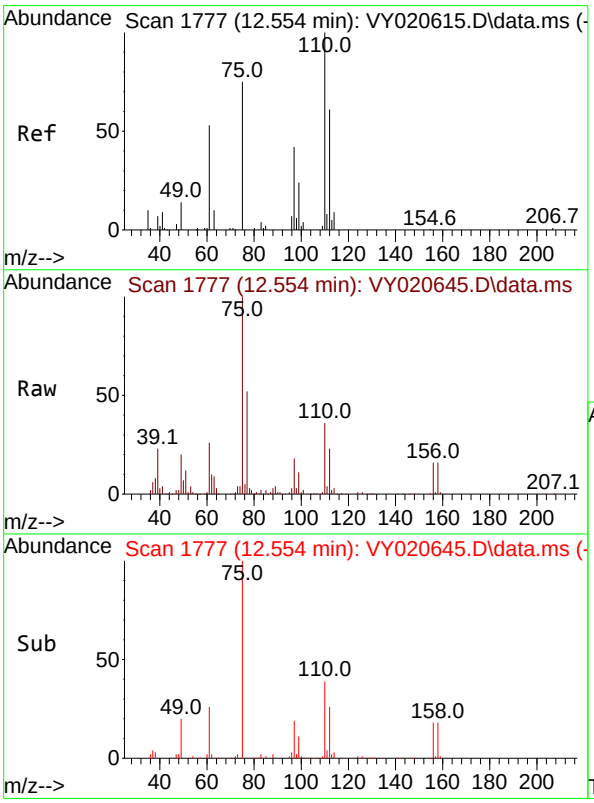
#75
1,1,2,2-Tetrachloroethane
Concen: 58.846 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 122009

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	64.1	32.5	97.4

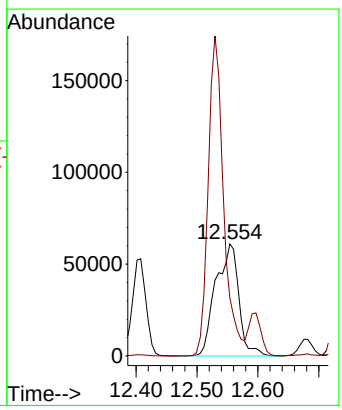


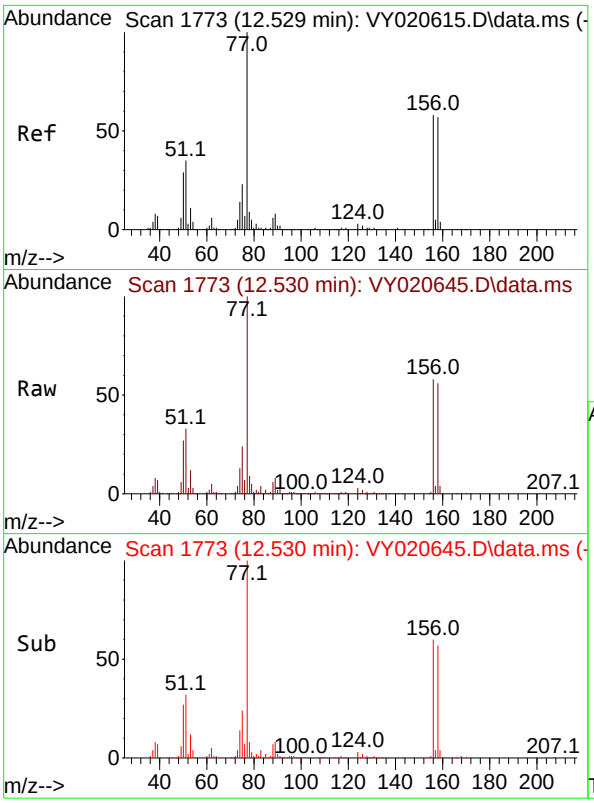


#76
1,2,3-Trichloropropane
Concen: 105.472 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 160371

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



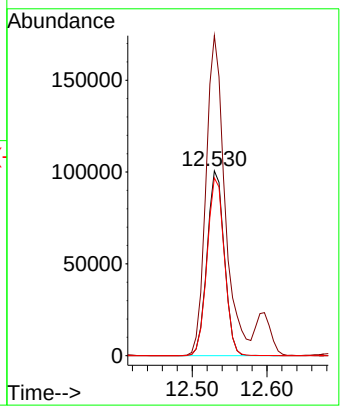


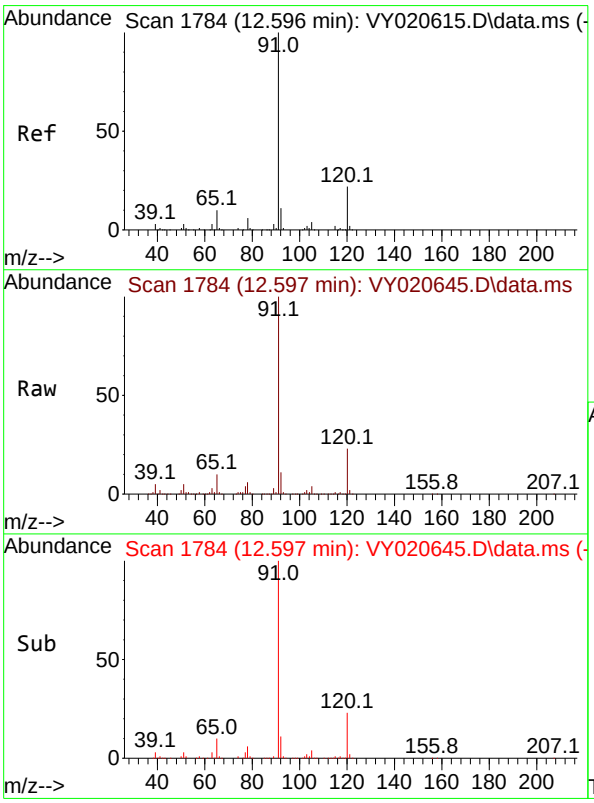
#77
Bromobenzene
Concen: 57.720 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 160597

Ion	Ratio	Lower	Upper
156	100		
77	191.3	94.2	282.4
158	96.9	48.9	146.6

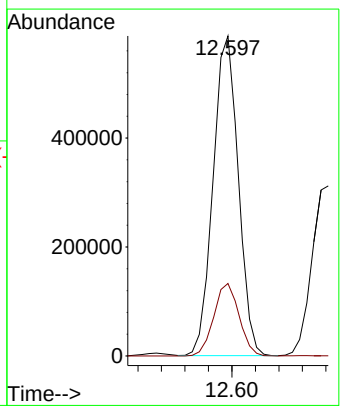


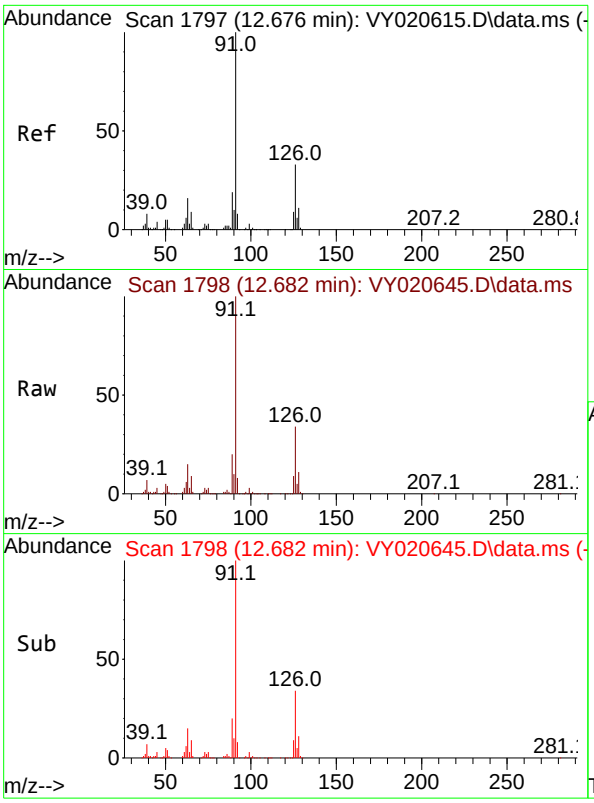


#78
n-propylbenzene
Concen: 56.859 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 875016

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



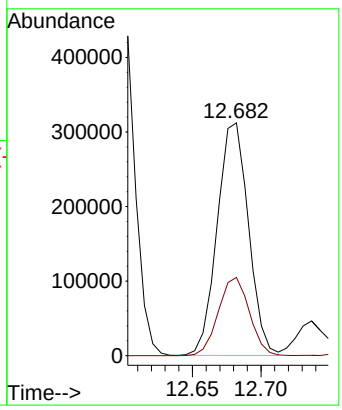


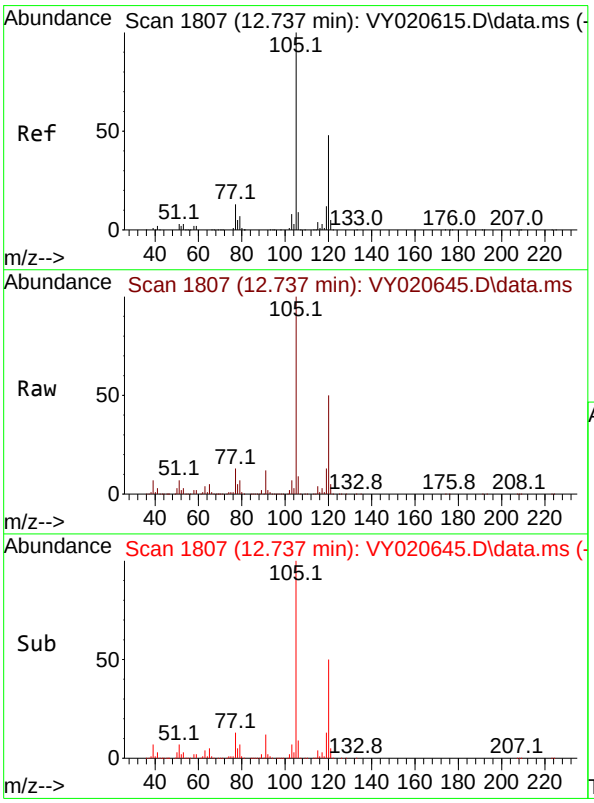
#79
2-Chlorotoluene
Concen: 57.255 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 495724

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7

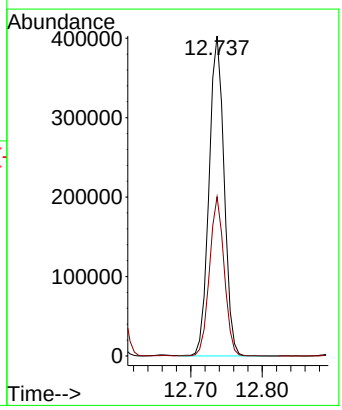


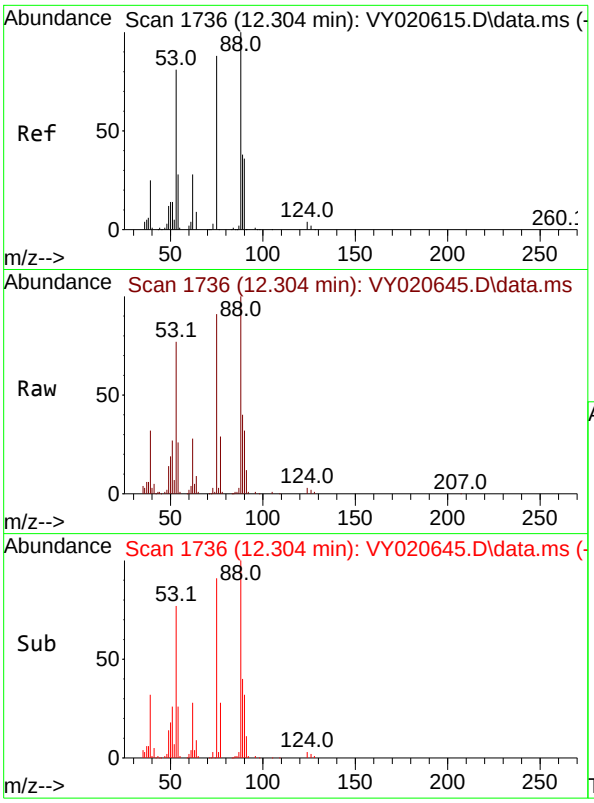


#80
1,3,5-Trimethylbenzene
Concen: 56.716 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 587819

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.9	71.7



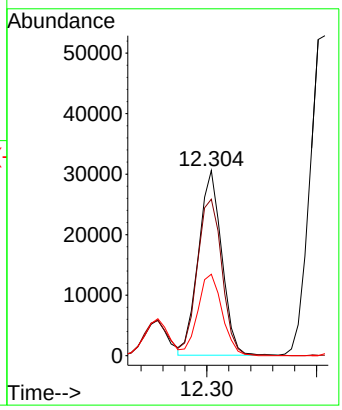


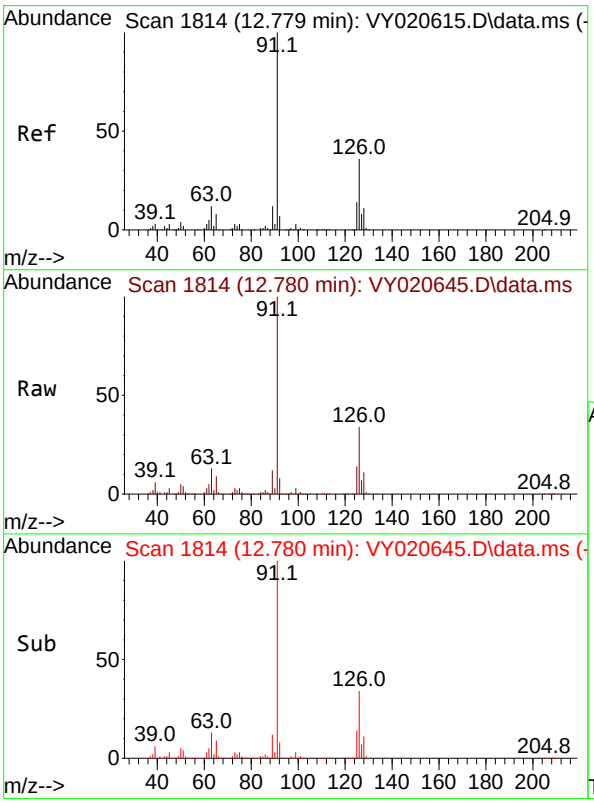
#81
trans-1,4-Dichloro-2-butene
Concen: 62.383 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 45189

Ion	Ratio	Lower	Upper
75	100		
53	90.3	75.4	113.2
89	46.2	37.0	55.4

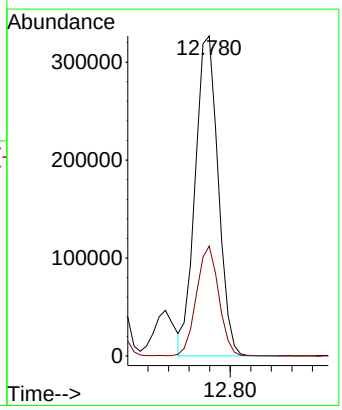


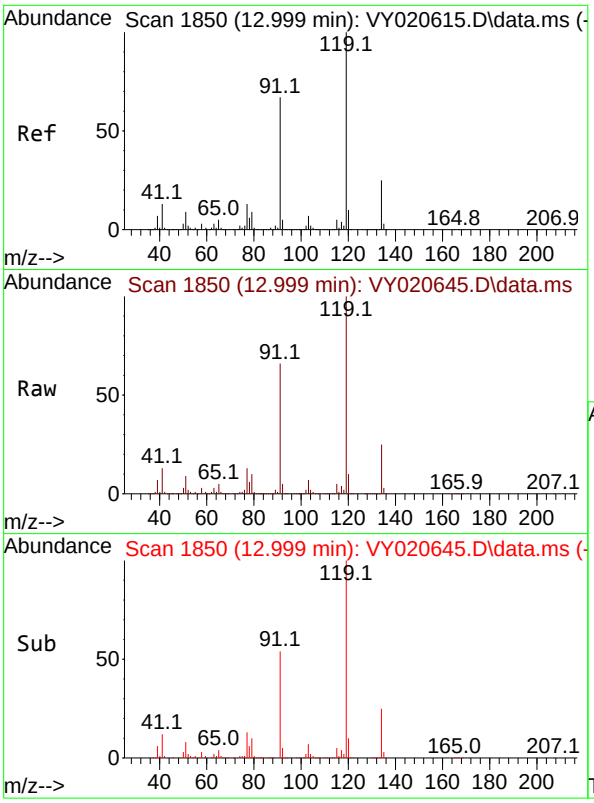


#82
4-Chlorotoluene
Concen: 56.500 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 91 Resp: 507510

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7



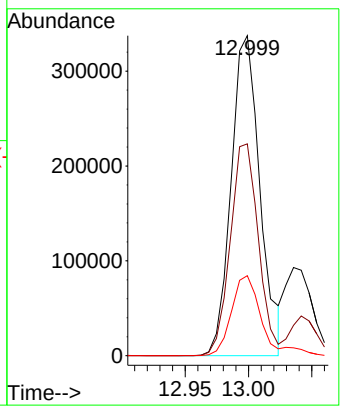


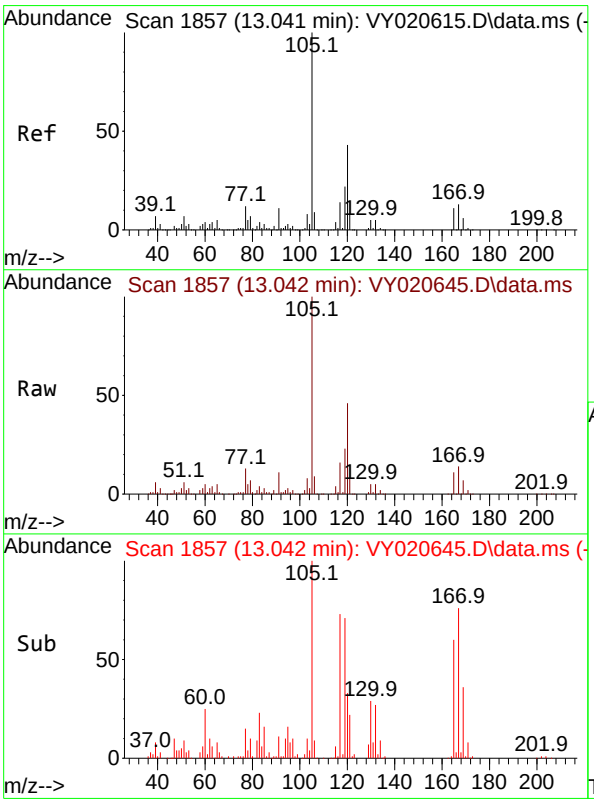
#83
tert-Butylbenzene
Concen: 57.066 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 535639

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.9	98.6
134	26.3	13.1	39.1

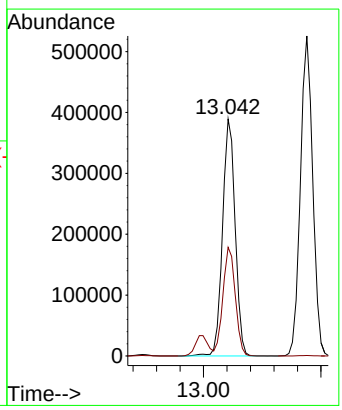


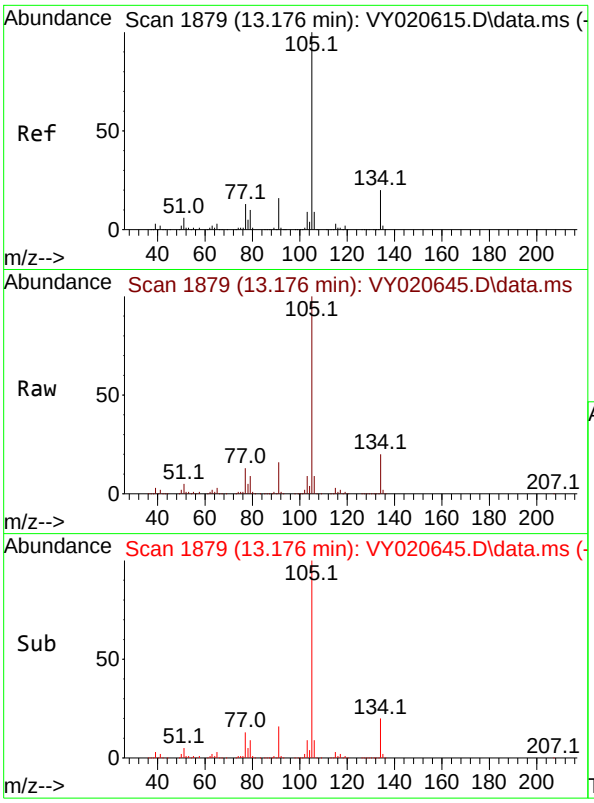


#84
1,2,4-Trimethylbenzene
Concen: 57.121 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:105 Resp: 580706

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.8	65.4



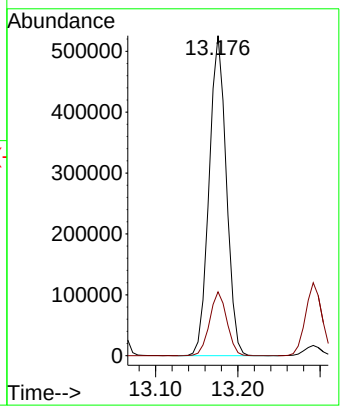


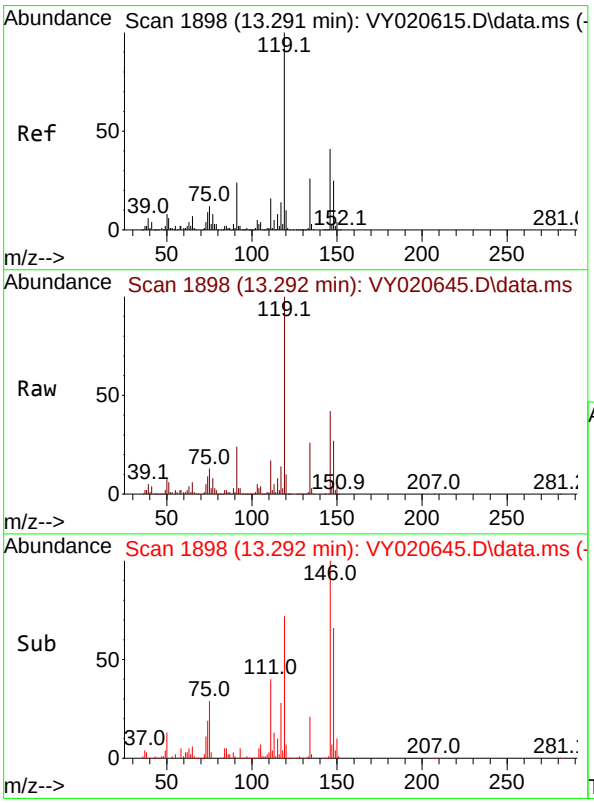
#85
sec-Butylbenzene
Concen: 56.081 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 765369

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

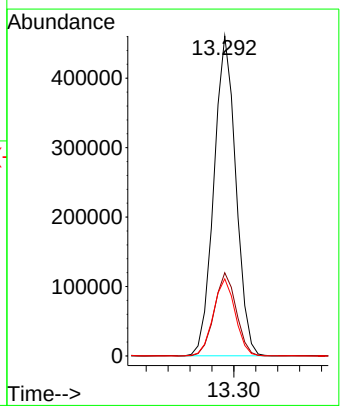


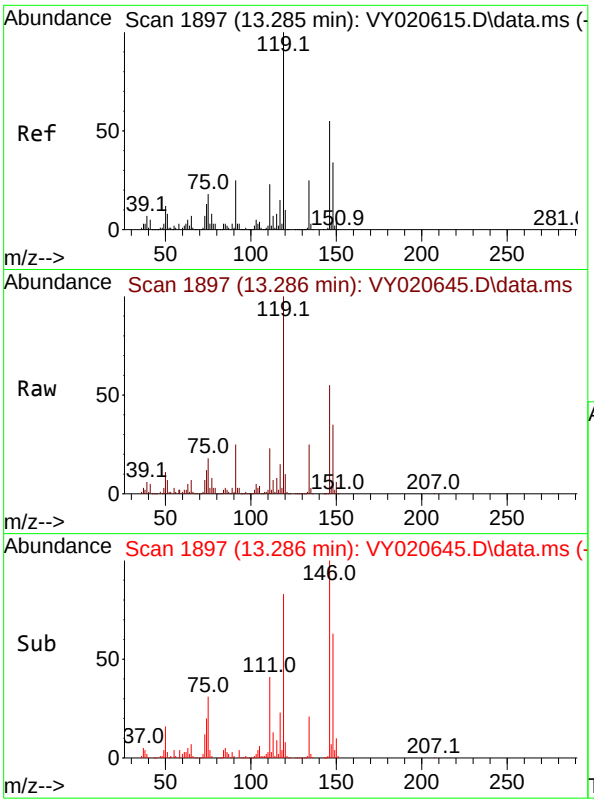


#86
p-Isopropyltoluene
Concen: 57.008 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:119 Resp: 641459

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.0	12.1	36.3



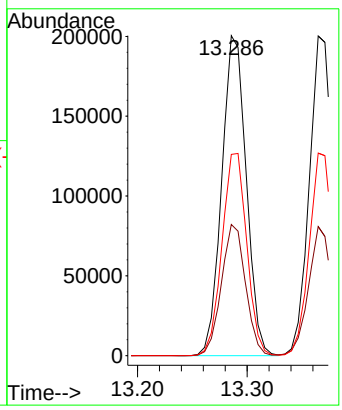


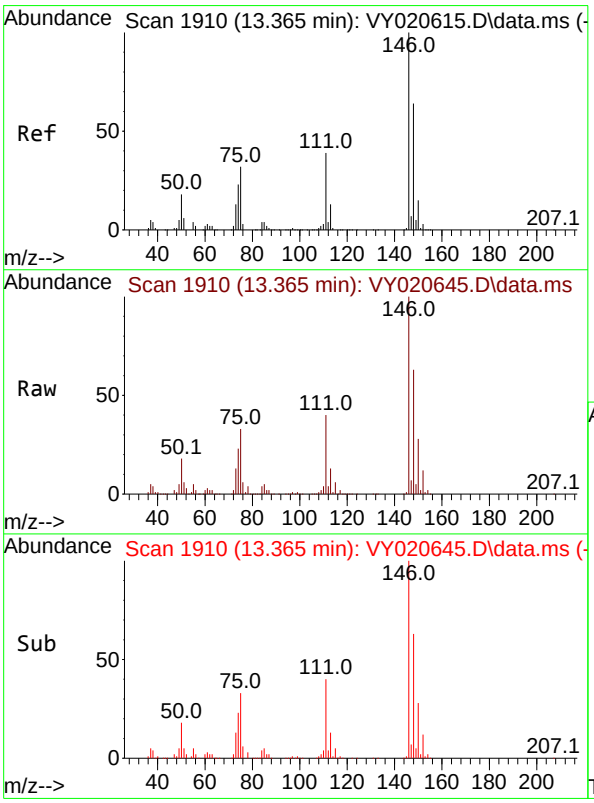
#87
1,3-Dichlorobenzene
Concen: 56.738 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 311630

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	63.8	31.4	94.0

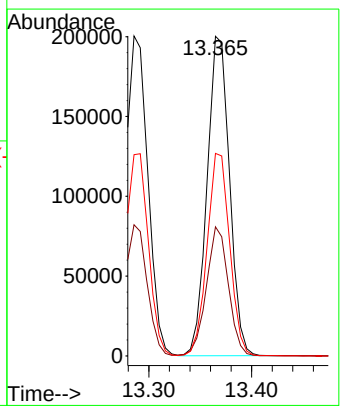


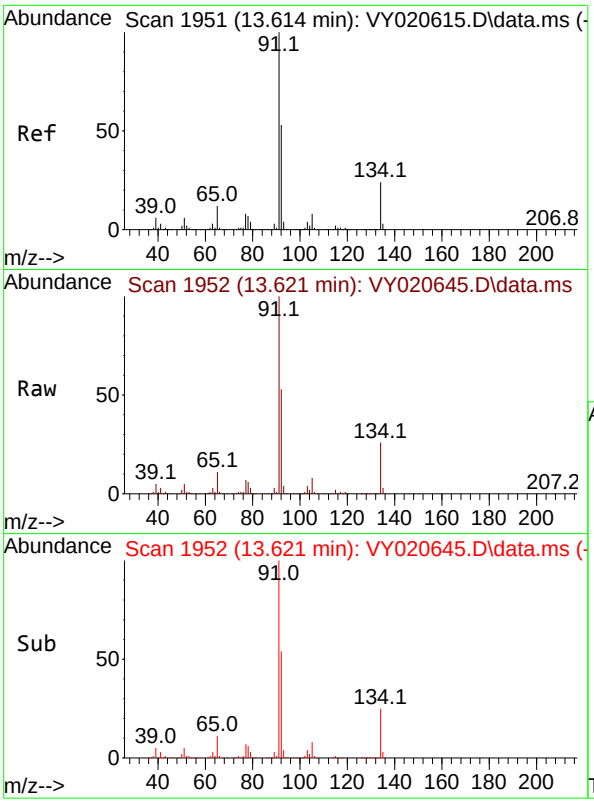


#88
1,4-Dichlorobenzene
Concen: 55.759 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:146 Resp: 303316

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.0	31.9	95.5



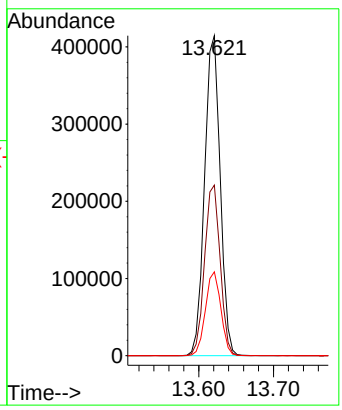


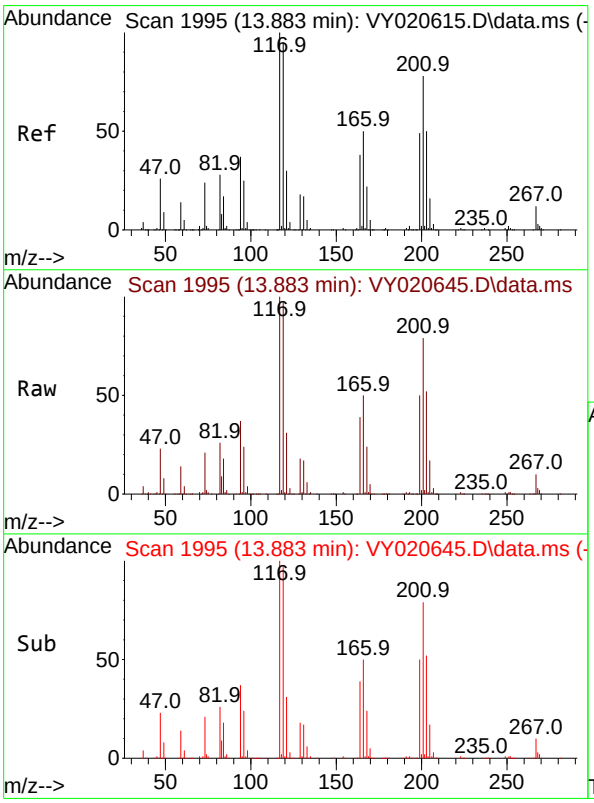
#89
n-Butylbenzene
Concen: 56.308 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 600466

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.4
134	26.0	12.5	37.5

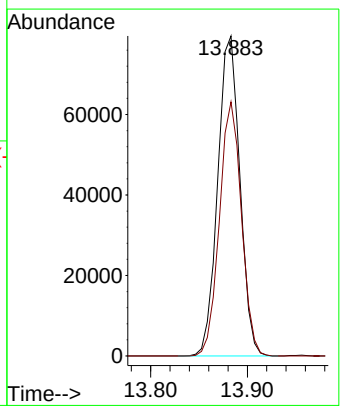


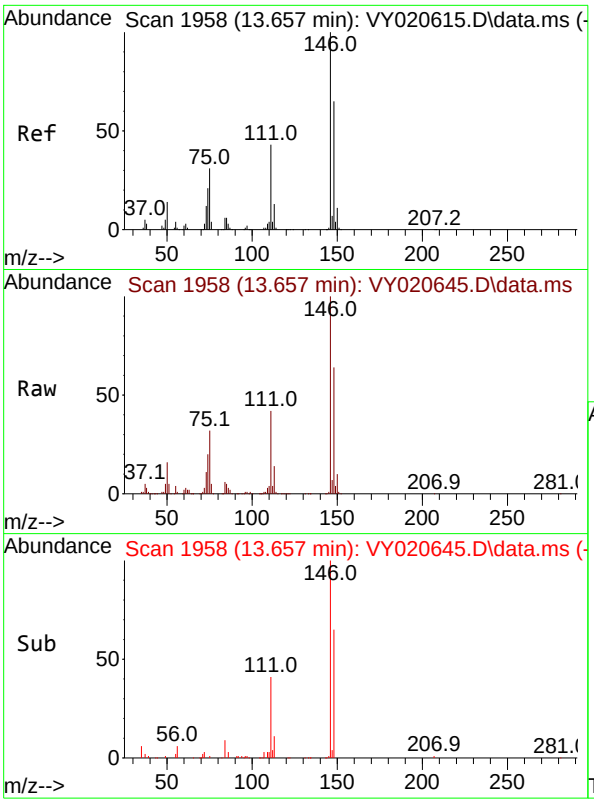


#90
Hexachloroethane
Concen: 56.563 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:117 Resp: 126128

Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.1	117.3



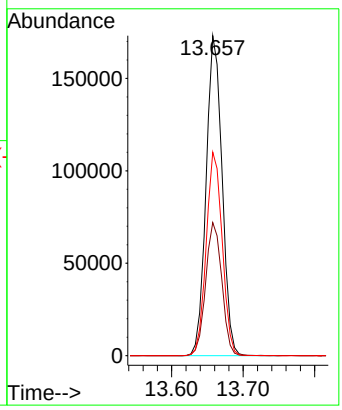


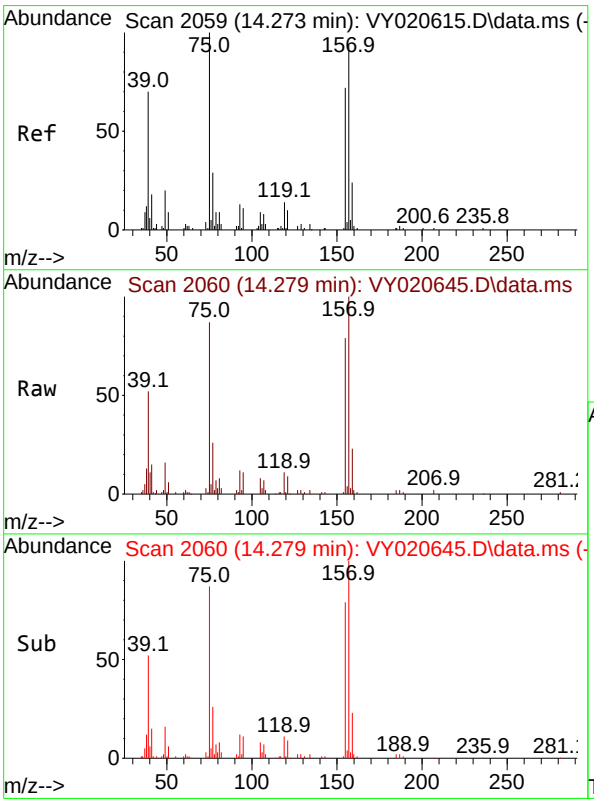
#91
1,2-Dichlorobenzene
Concen: 56.390 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 268348

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.7	32.0	96.0

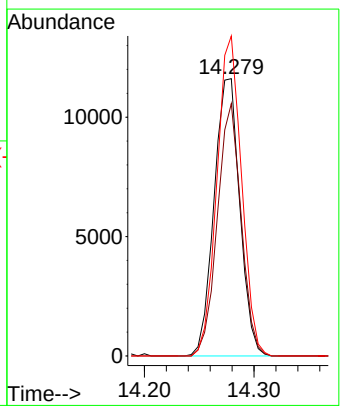


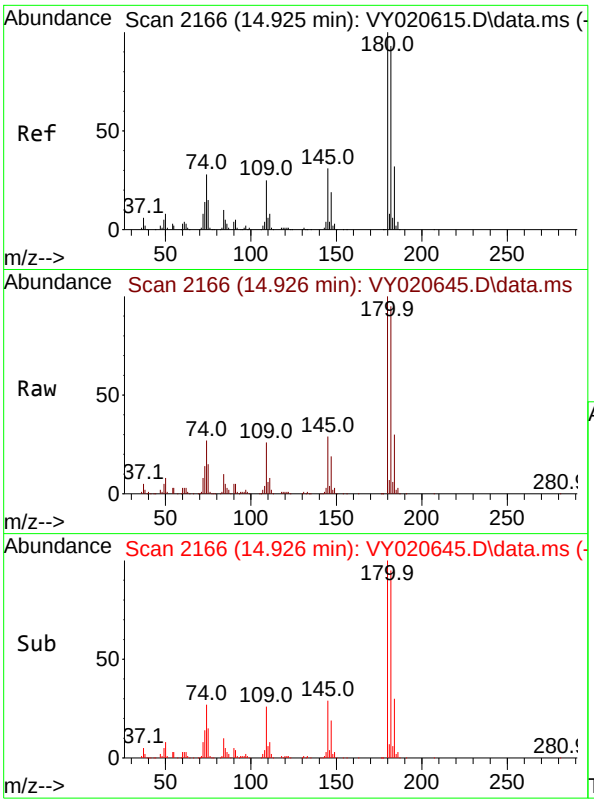


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.200 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion: 75 Resp: 18918

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.1	123.3
157	110.5	52.9	158.8



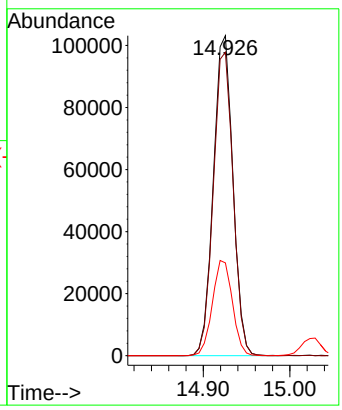


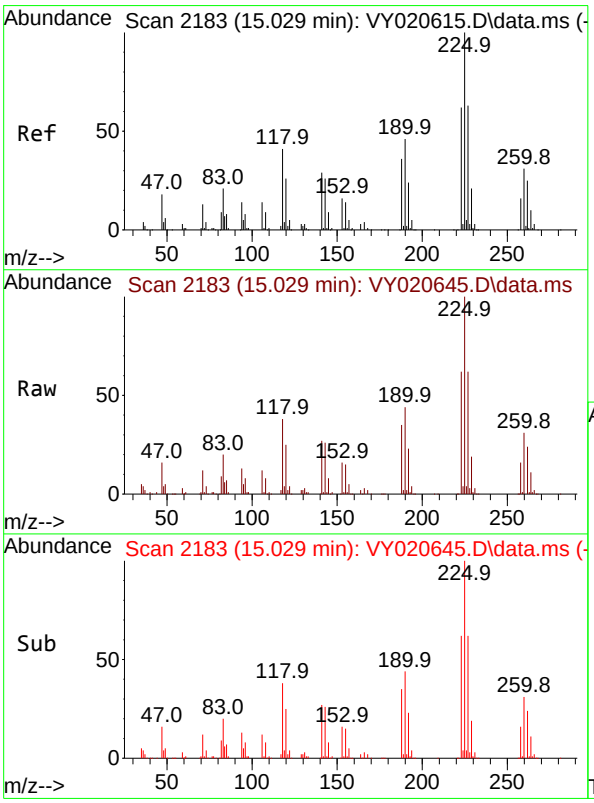
#93
1,2,4-Trichlorobenzene
Concen: 56.165 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 161670

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.6
145	30.5	15.6	46.7

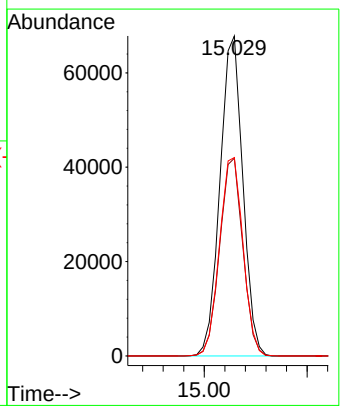


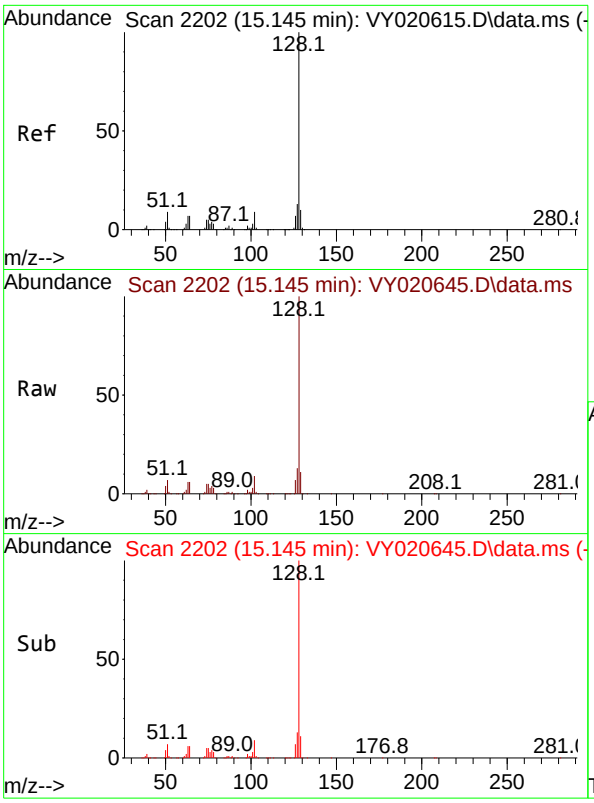


#94
Hexachlorobutadiene
Concen: 55.442 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:225 Resp: 104328

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.3
227	64.1	32.2	96.6



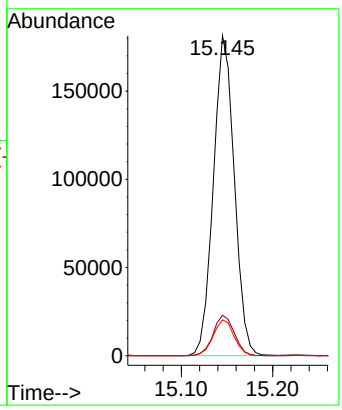


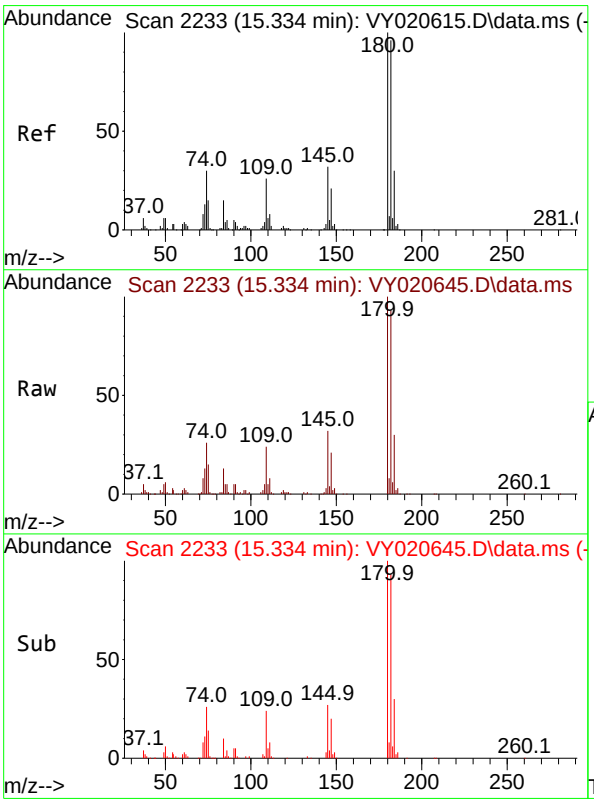
#95
Naphthalene
Concen: 58.518 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 288782

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.2	8.5	12.7

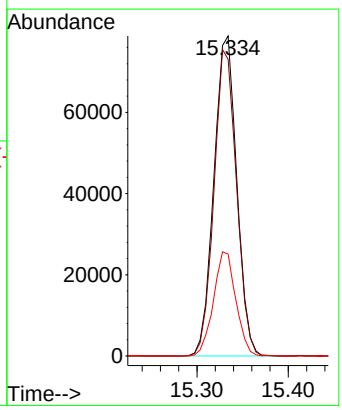




#96
1,2,3-Trichlorobenzene
Concen: 56.223 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020645.D
Acq: 19 Dec 2024 09:43

Tgt Ion:180 Resp: 136737

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	31.9	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Quant Time: Dec 20 00:47:00 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	184895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	283194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	247561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	139236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110359	54.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.000%			
35) Dibromofluoromethane	7.640	113	110812	55.520	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.040%			
50) Toluene-d8	10.109	98	388095	55.554	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.100%			
62) 4-Bromofluorobenzene	12.407	95	146340	53.552	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46604	20.180	ug/l	99
3) Chloromethane	2.074	50	32178	18.805	ug/l	99
4) Vinyl Chloride	2.208	62	29453	18.493	ug/l	98
5) Bromomethane	2.598	94	15687	15.323	ug/l	93
6) Chloroethane	2.738	64	14290	14.520	ug/l	96
7) Trichlorofluoromethane	3.061	101	57129	17.143	ug/l	97
8) Diethyl Ether	3.458	74	18049	15.443	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	38154	15.973	ug/l	97
10) Methyl Iodide	4.013	142	45573	17.136	ug/l	99
11) Tert butyl alcohol	4.872	59	20125	70.688	ug/l	99
12) 1,1-Dichloroethene	3.793	96	35580	15.351	ug/l	93
13) Acrolein	3.659	56	8452	88.270	ug/l	97
14) Allyl chloride	4.390	41	68670	16.909	ug/l	98
15) Acrylonitrile	5.067	53	54120	96.793	ug/l	97
16) Acetone	3.878	43	28434	65.941	ug/l	100
17) Carbon Disulfide	4.110	76	121614	16.120	ug/l	99
18) Methyl Acetate	4.390	43	25492	18.503	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	121819	20.364	ug/l	100
20) Methylene Chloride	4.622	84	48520	19.271	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	50361	19.371	ug/l	93
22) Diisopropyl ether	6.024	45	156745	19.014	ug/l	96
23) Vinyl Acetate	5.963	43	447758	95.902	ug/l	98
24) 1,1-Dichloroethane	5.921	63	94173	19.500	ug/l	98
25) 2-Butanone	6.896	43	74559	99.075	ug/l	99
26) 2,2-Dichloropropane	6.890	77	84303	18.466	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	63846	21.345	ug/l	97
28) Bromochloromethane	7.250	49	27683	16.994	ug/l	96
29) Tetrahydrofuran	7.268	42	50035	105.321	ug/l	99
30) Chloroform	7.427	83	107747	18.928	ug/l	98
31) Cyclohexane	7.701	56	90313	19.558	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	94090	21.207	ug/l	99
36) 1,1-Dichloropropene	7.835	75	75411	20.721	ug/l	99
37) Ethyl Acetate	6.988	43	37099	21.671	ug/l	99
38) Carbon Tetrachloride	7.817	117	85038	21.119	ug/l	93
39) Methylcyclohexane	9.109	83	95987	20.236	ug/l	100
40) Benzene	8.085	78	227976	21.371	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Quant Time: Dec 20 00:47:00 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	7.225	41	15207	16.803	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	61160	21.617	ug/l		99
43) Isopropyl Acetate	8.201	43	69490	21.441	ug/l		99
44) Trichloroethene	8.865	130	56052	21.384	ug/l		95
45) 1,2-Dichloropropane	9.140	63	54493	21.857	ug/l		98
46) Dibromomethane	9.231	93	29599	22.464	ug/l		98
47) Bromodichloromethane	9.426	83	76212	21.413	ug/l		98
48) Methyl methacrylate	9.219	41	32186	20.890	ug/l		96
49) 1,4-Dioxane	9.237	88	6938	459.147	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	181234	105.942	ug/l		99
52) Toluene	10.170	92	142231	21.454	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	71410	21.532	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	84026	21.381	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	38316	21.995	ug/l		98
56) Ethyl methacrylate	10.444	69	54998	21.762	ug/l		96
57) 1,3-Dichloropropane	10.719	76	69158	22.270	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	113969	107.175	ug/l		98
59) 2-Hexanone	10.761	43	115614	105.263	ug/l		97
60) Dibromochloromethane	10.914	129	51946	22.297	ug/l		98
61) 1,2-Dibromoethane	11.017	107	36878	22.758	ug/l		98
64) Tetrachloroethene	10.645	164	49209	21.133	ug/l		98
65) Chlorobenzene	11.444	112	151005	21.815	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	51570	21.787	ug/l		97
67) Ethyl Benzene	11.517	91	270705	21.198	ug/l		99
68) m/p-Xylenes	11.627	106	203604	42.880	ug/l		99
69) o-Xylene	11.956	106	95914	21.650	ug/l		100
70) Styrene	11.968	104	160252	21.650	ug/l		99
71) Bromoform	12.133	173	29878	22.451	ug/l	#	99
73) Isopropylbenzene	12.255	105	256085	21.076	ug/l		99
74) N-amyl acetate	12.072	43	60196	21.169	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.511	83	45346	22.992	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	58340	40.335	ug/l	#	100
77) Bromobenzene	12.535	156	56425	21.319	ug/l		99
78) n-propylbenzene	12.596	91	307113	20.979	ug/l		100
79) 2-Chlorotoluene	12.682	91	176449	21.424	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	209105	21.209	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	15550	22.567	ug/l		96
82) 4-Chlorotoluene	12.779	91	179017	20.951	ug/l		100
83) tert-Butylbenzene	12.999	119	185911	20.822	ug/l		98
84) 1,2,4-Trimethylbenzene	13.047	105	207246	21.430	ug/l		100
85) sec-Butylbenzene	13.176	105	271663	20.926	ug/l		99
86) p-Isopropyltoluene	13.291	119	225018	21.022	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	111668	21.373	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	111847	21.614	ug/l		99
89) n-Butylbenzene	13.621	91	208511	20.555	ug/l		100
90) Hexachloroethane	13.883	117	44930	21.182	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	98502	21.760	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7038	21.979	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	55848	20.396	ug/l		98
94) Hexachlorobutadiene	15.029	225	36777	20.546	ug/l		99
95) Naphthalene	15.151	128	100318	21.370	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	48835	21.109	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Quant Time: Dec 20 00:47:00 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)

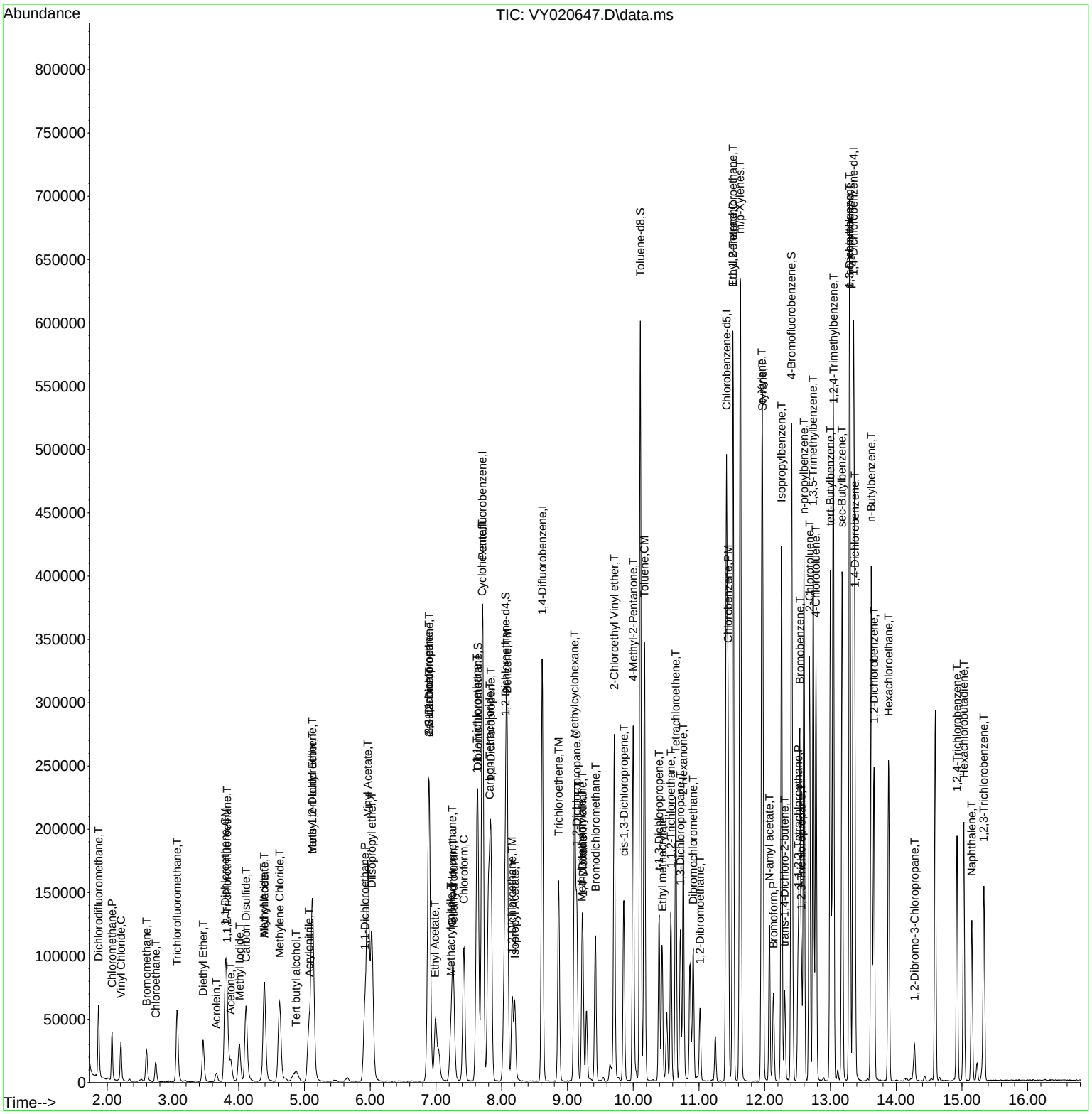
(#) = qualifier out of range (m) = manual integration (+) = signals summed

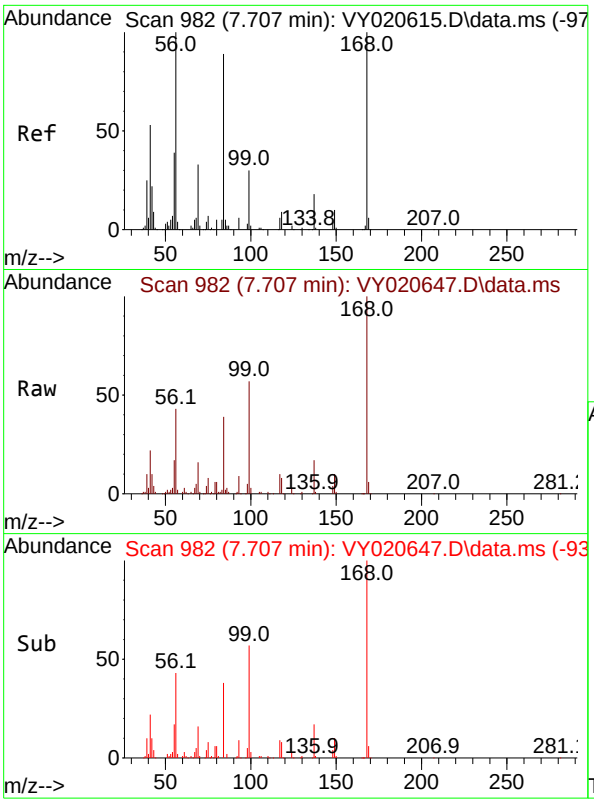
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020647.D
Acq On : 19 Dec 2024 11:53
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Quant Time: Dec 20 00:47:00 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



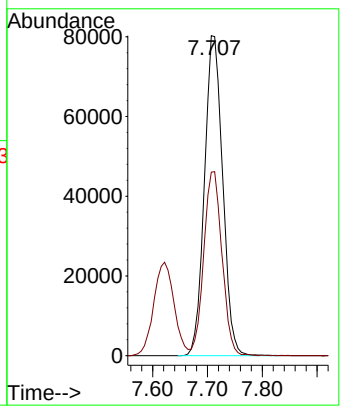


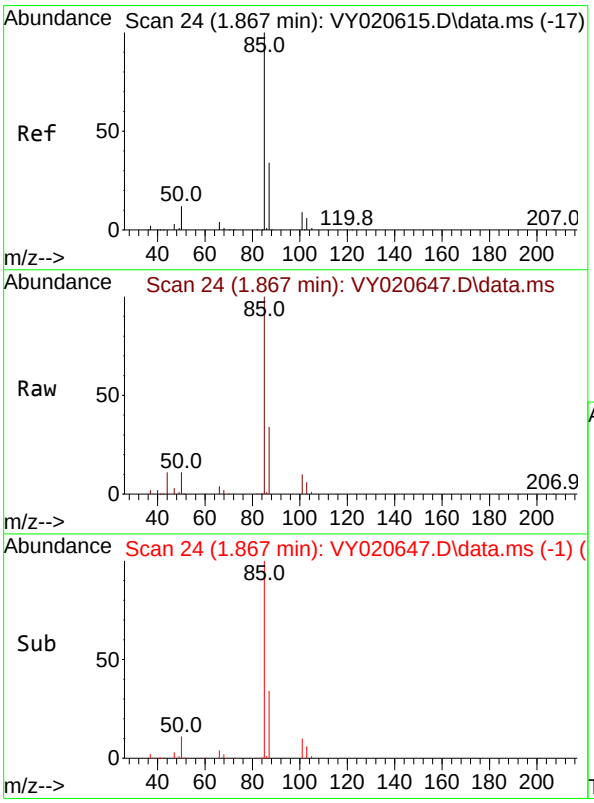
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:168 Resp: 184895

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

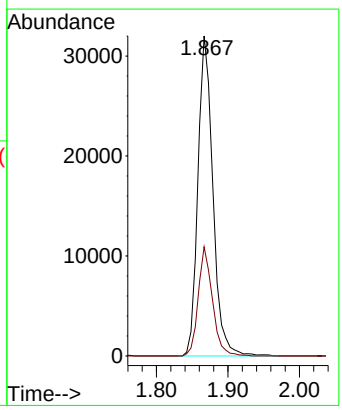


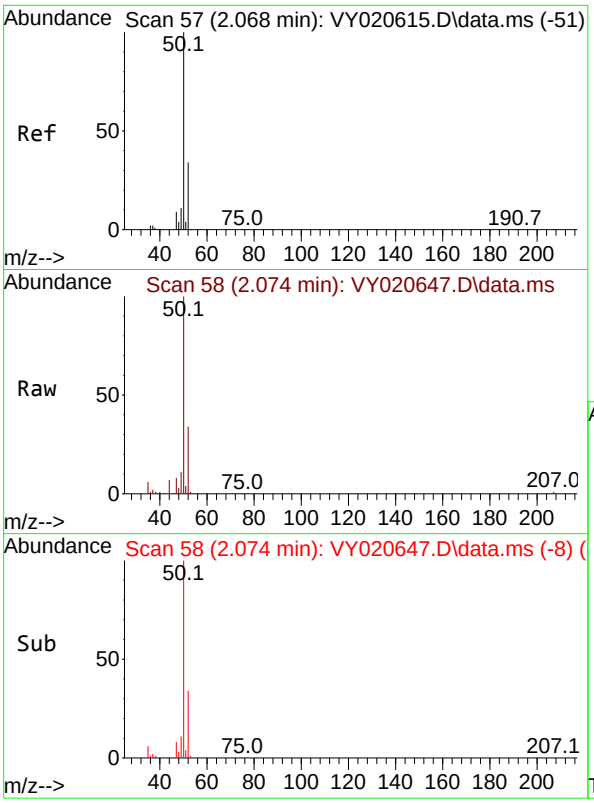


#2
Dichlorodifluoromethane
Concen: 20.180 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 85 Resp: 46604

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.8	50.3



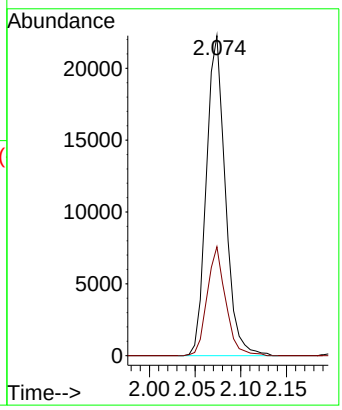


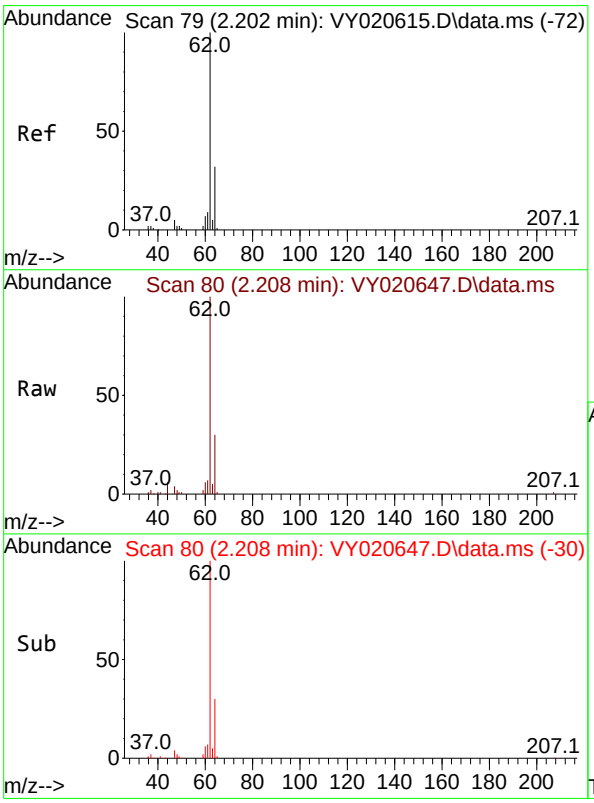
#3
Chloromethane
Concen: 18.805 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 50 Resp: 32178

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.8	40.2

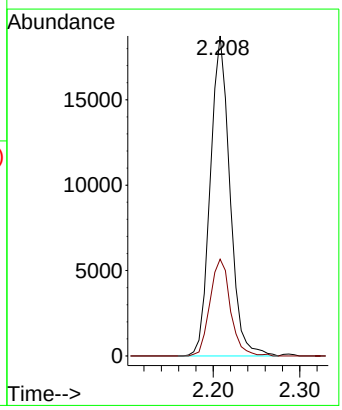


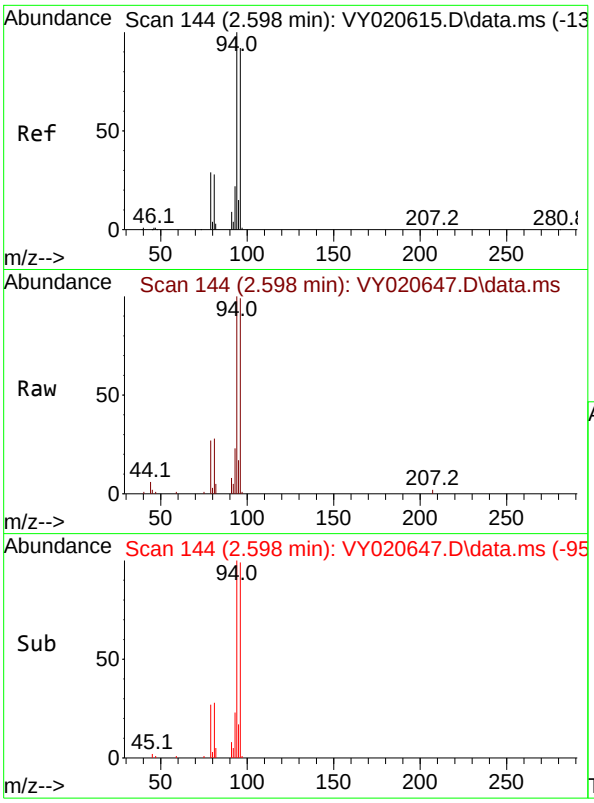


#4
Vinyl Chloride
Concen: 18.493 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 62 Resp: 29453

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.3	37.9



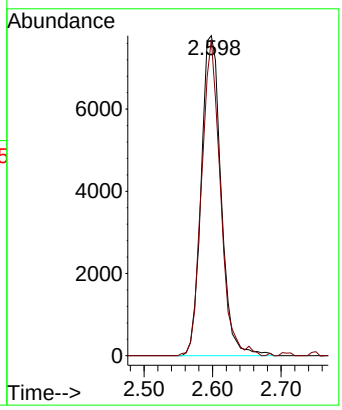


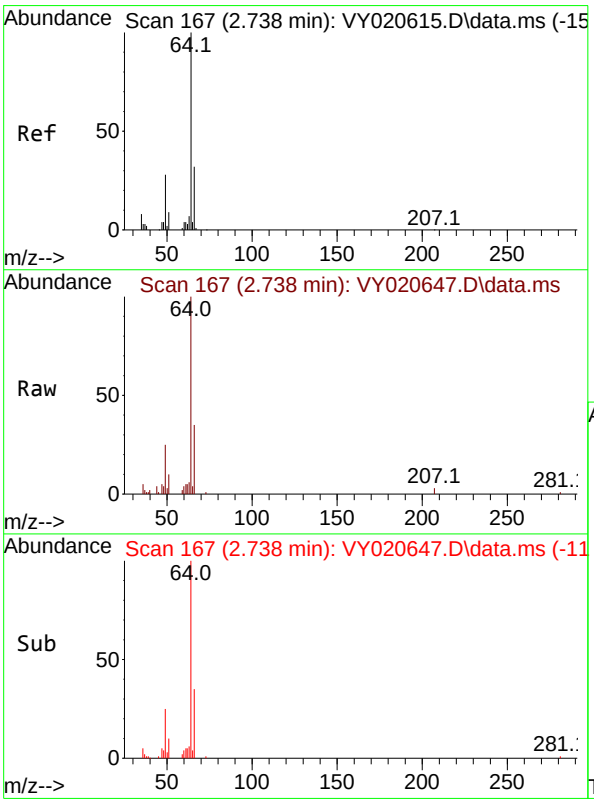
#5
Bromomethane
Concen: 15.323 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 94 Resp: 15687

Ion	Ratio	Lower	Upper
94	100		
96	98.7	73.8	110.6

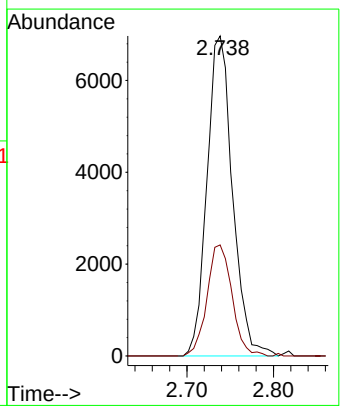


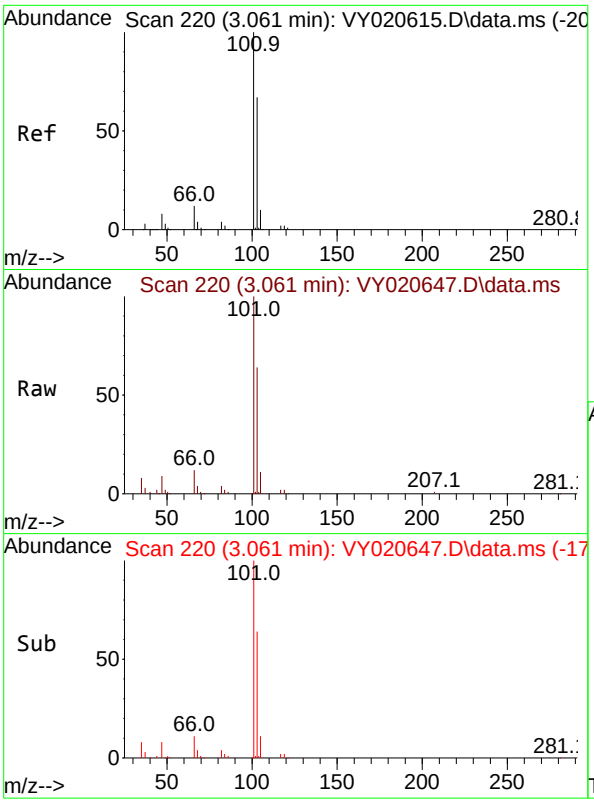


#6
Chloroethane
Concen: 14.520 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 64 Resp: 14290

Ion	Ratio	Lower	Upper
64	100		
66	34.7	25.8	38.6



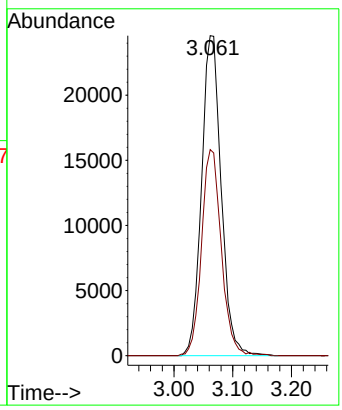


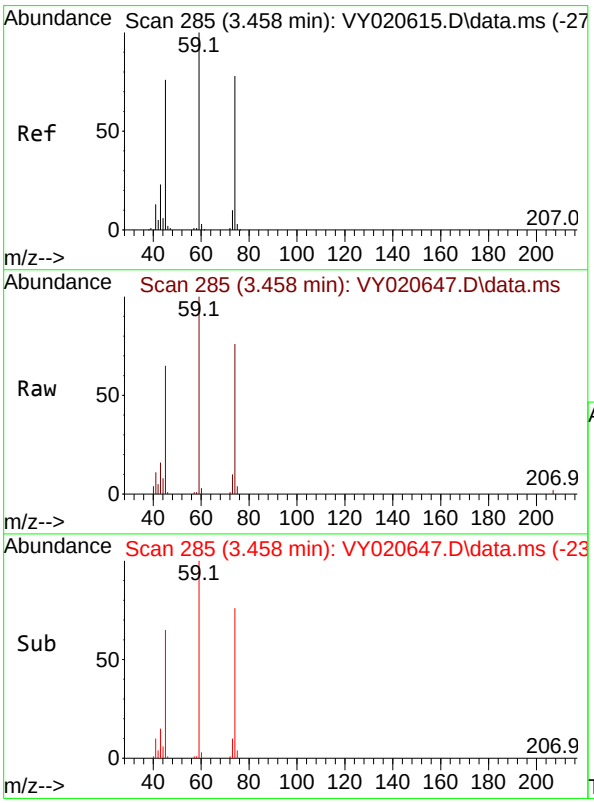
#7
Trichlorofluoromethane
Concen: 17.143 ug/l
RT: 3.061 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:101 Resp: 57129

Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.4	80.0

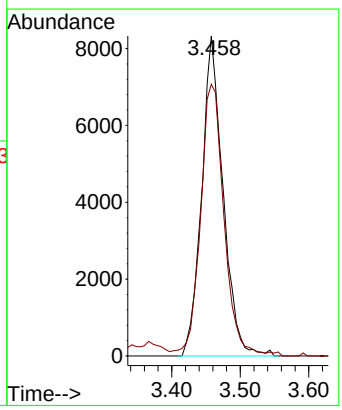


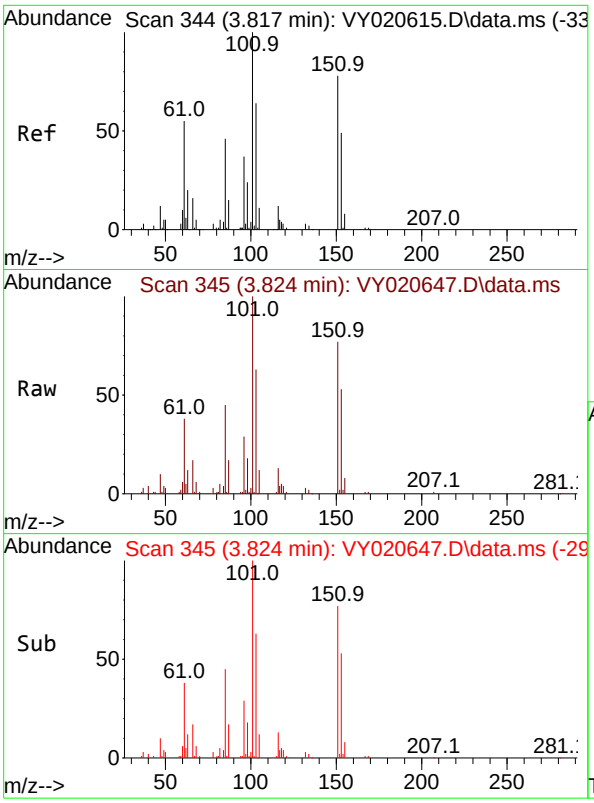


#8
Diethyl Ether
Concen: 15.443 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 74 Resp: 18049

Ion	Ratio	Lower	Upper
74	100		
45	90.6	49.0	147.2



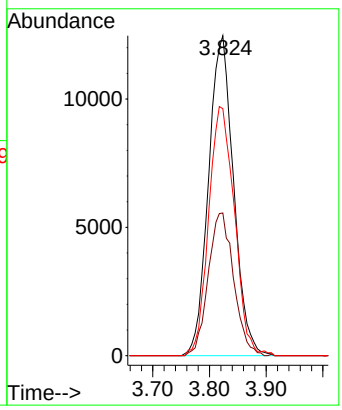


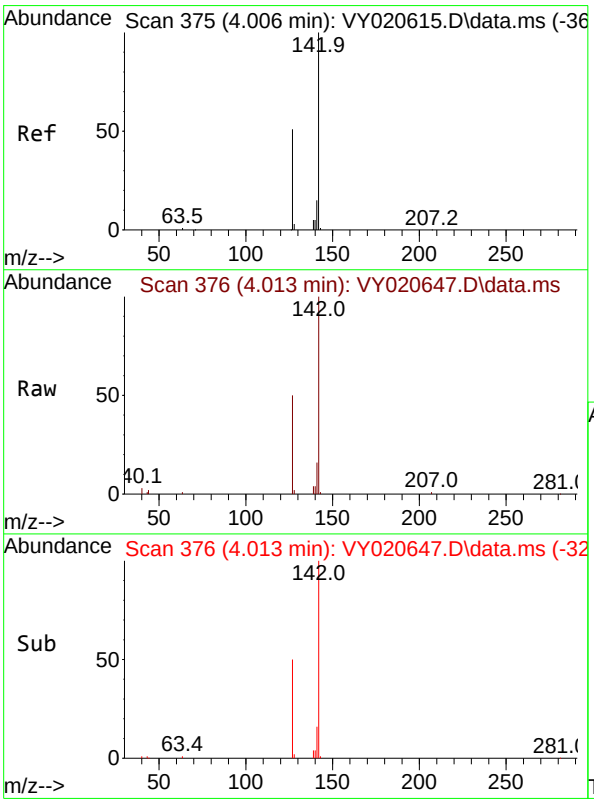
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.973 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:101 Resp: 38154

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.6	54.8
151	80.3	61.5	92.3

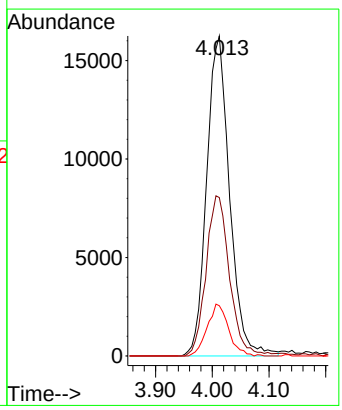


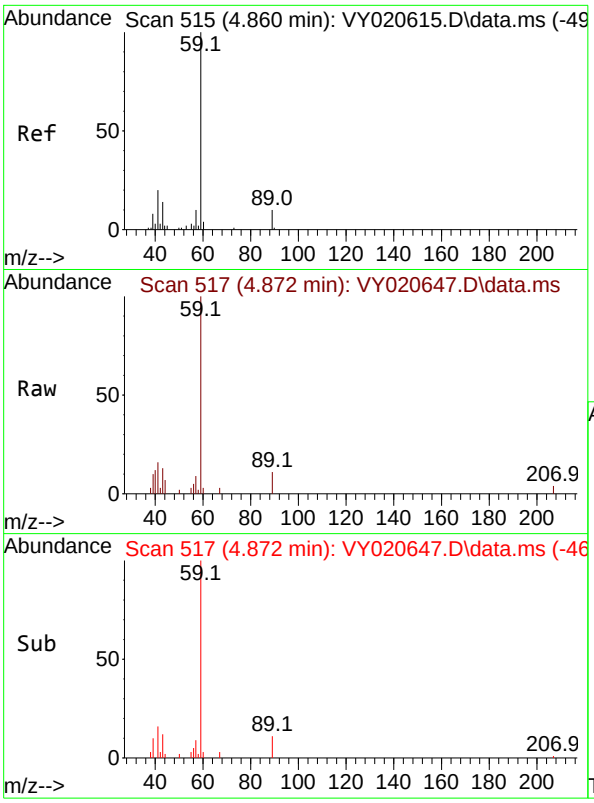


#10
Methyl Iodide
Concen: 17.136 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:142 Resp: 45573

Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.6	61.0
141	15.1	11.7	17.5



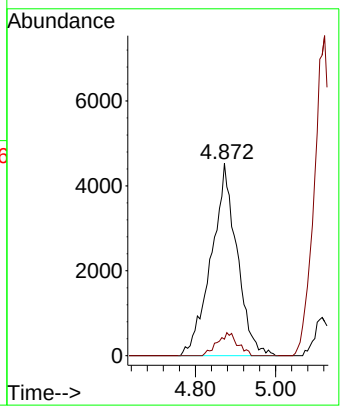


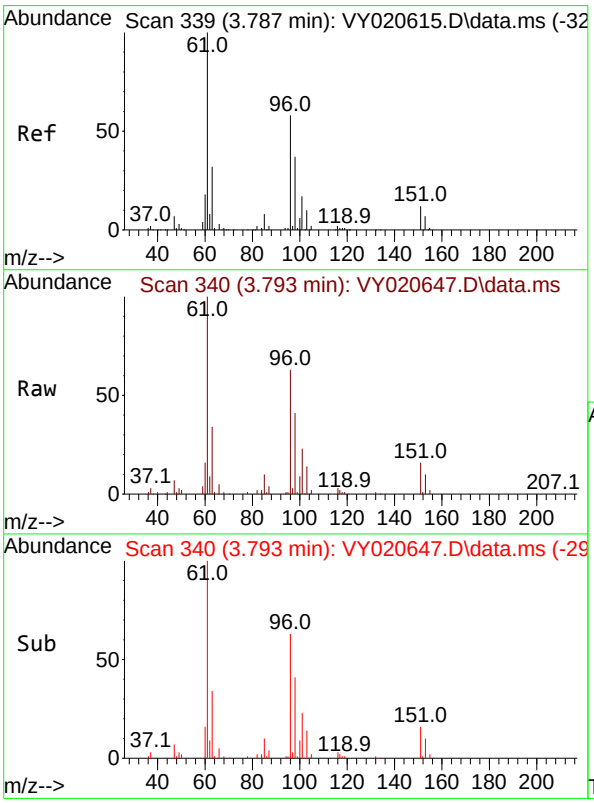
#11
Tert butyl alcohol
Concen: 70.688 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 59 Resp: 20125

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.4	11.0

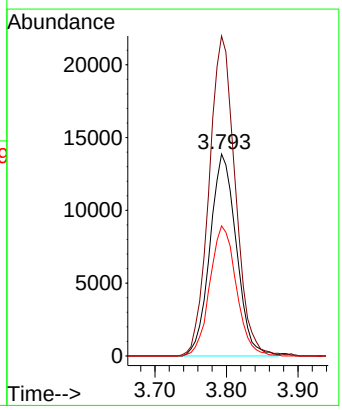


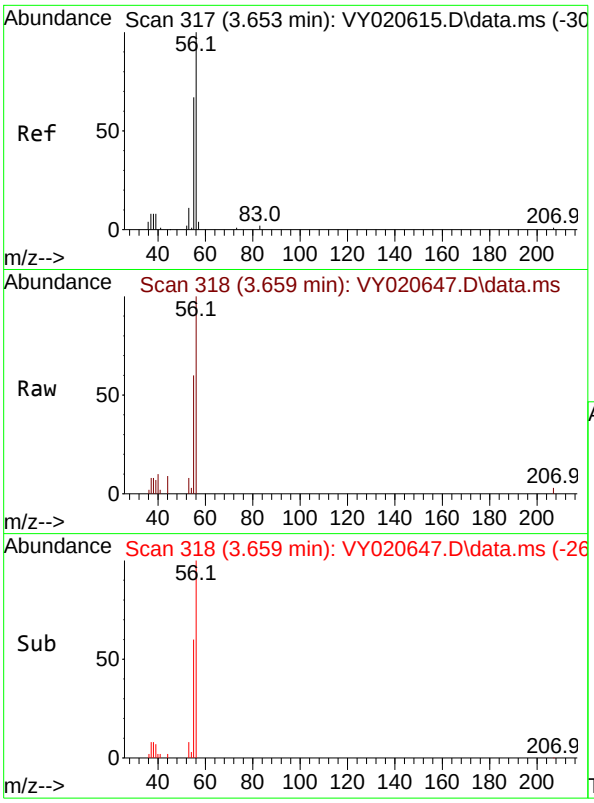


#12
1,1-Dichloroethene
Concen: 15.351 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 96 Resp: 35580

Ion	Ratio	Lower	Upper
96	100		
61	158.5	136.9	205.3
98	64.4	50.2	75.4



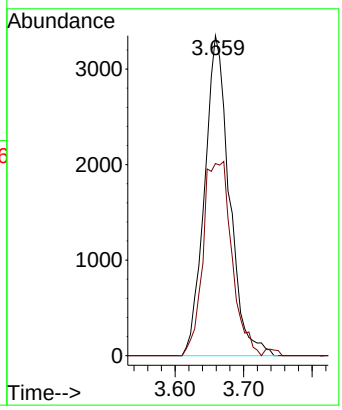


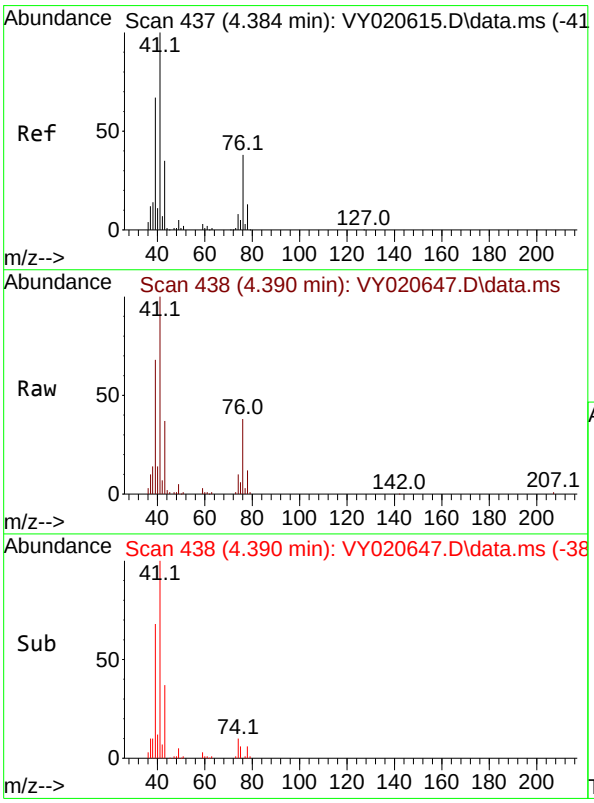
#13
Acrolein
Concen: 88.270 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 56 Resp: 8452

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3

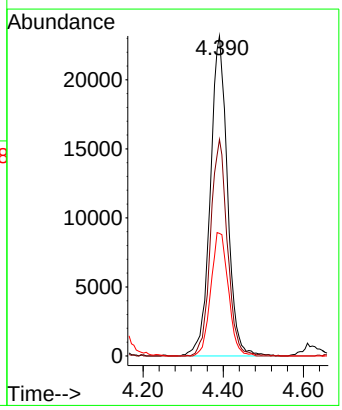


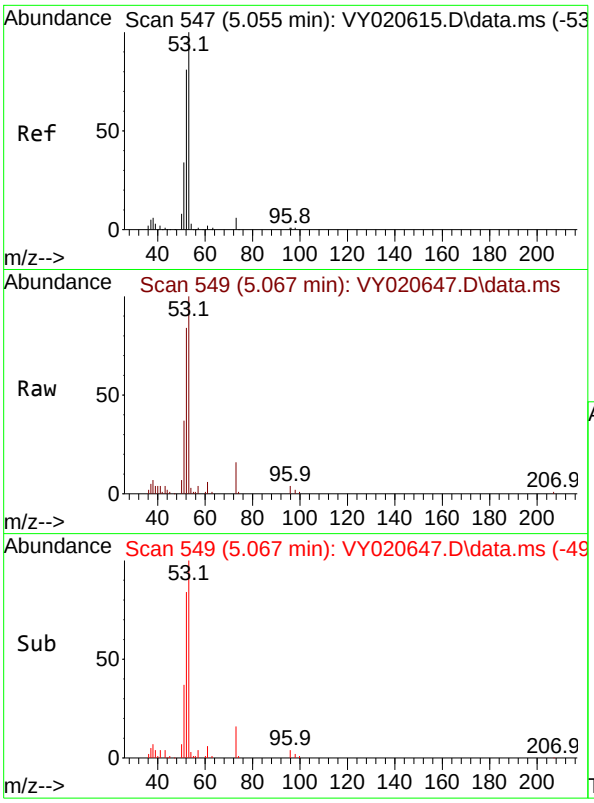


#14
Allyl chloride
Concen: 16.909 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 41 Resp: 68670

Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
76	39.4	29.5	44.3



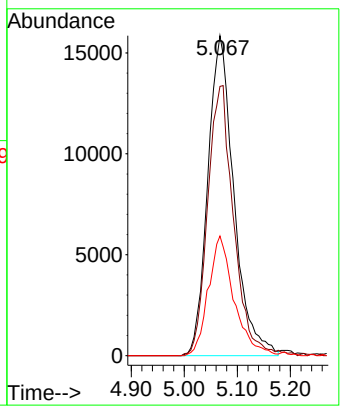


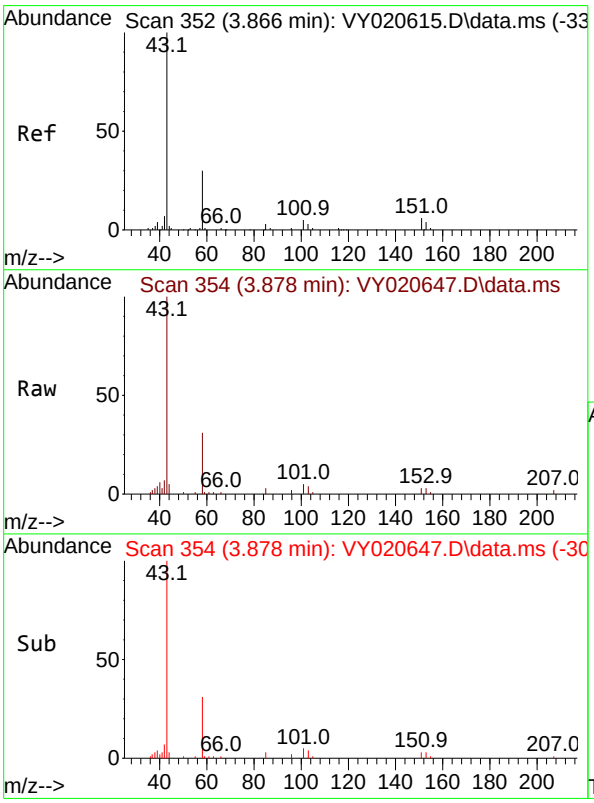
#15
Acrylonitrile
Concen: 96.793 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 53 Resp: 54120

Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.5	96.7
51	36.9	29.4	44.0

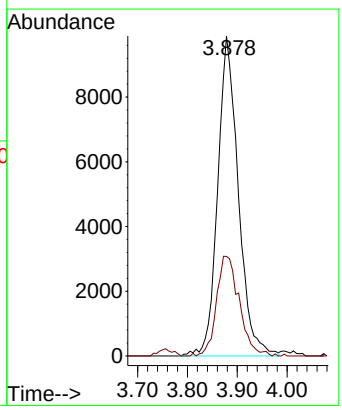


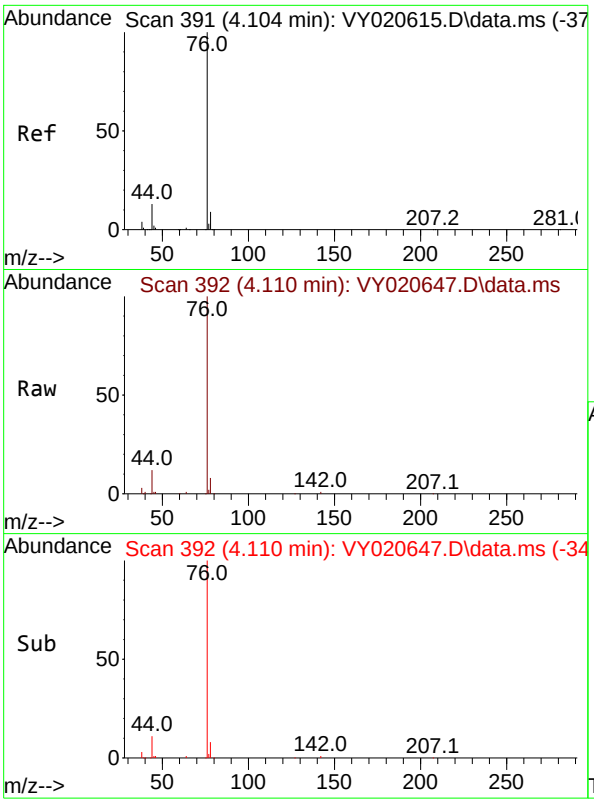


#16
Acetone
Concen: 65.941 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 28434

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6



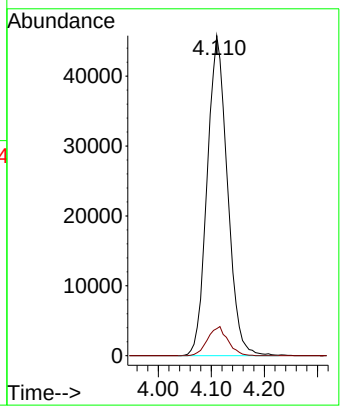


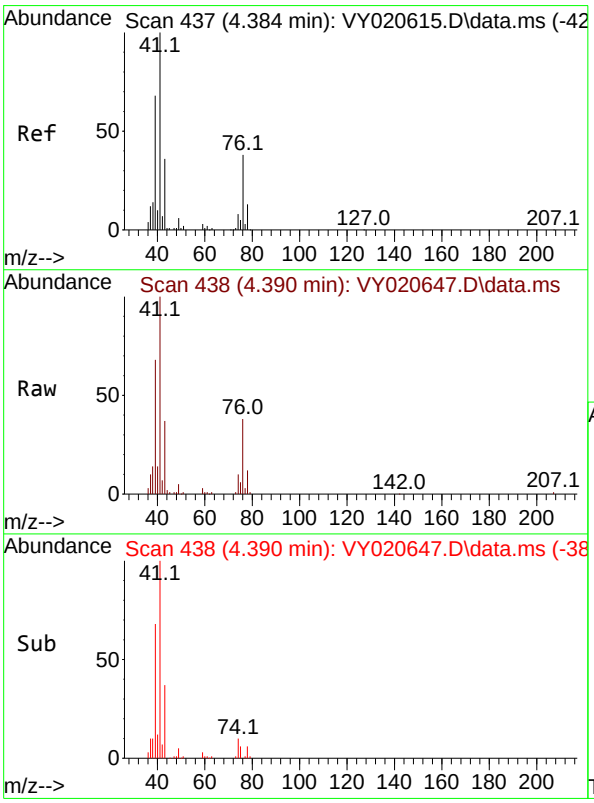
#17
Carbon Disulfide
Concen: 16.120 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 76 Resp: 121614

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

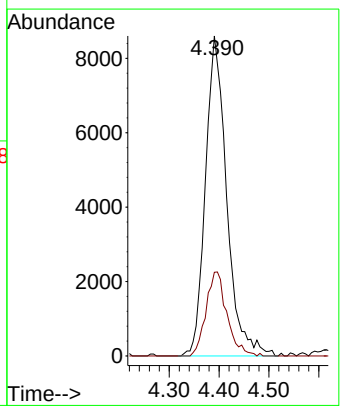


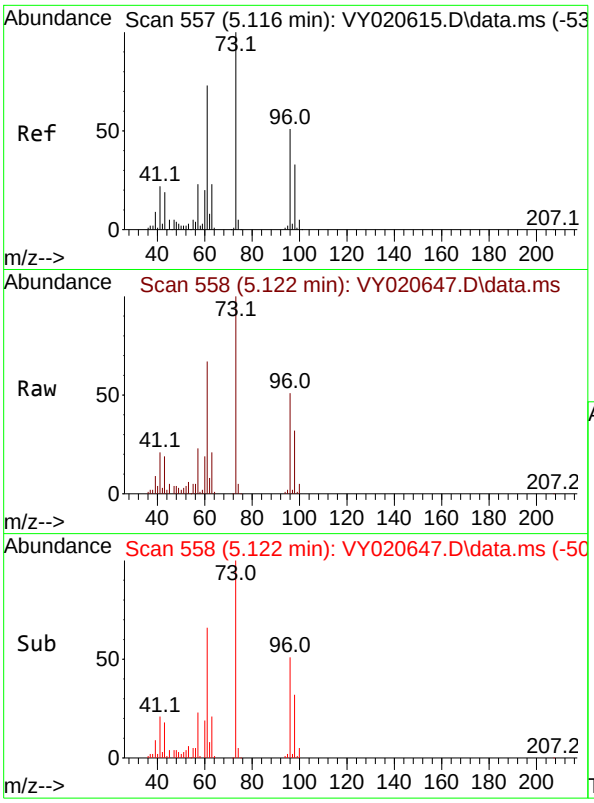


#18
Methyl Acetate
Concen: 18.503 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 25492

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.2	28.8



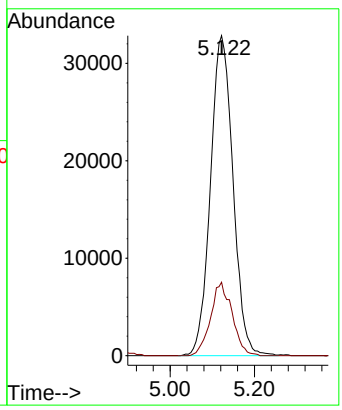


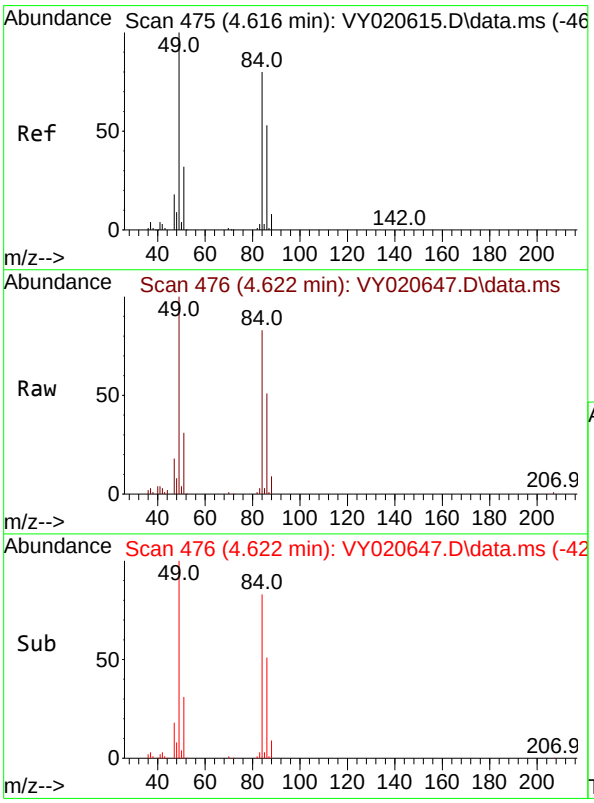
#19
Methyl tert-butyl Ether
Concen: 20.364 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 73 Resp: 121819

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

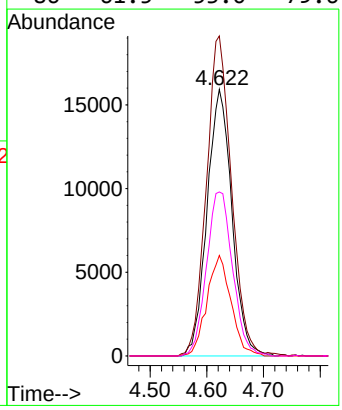


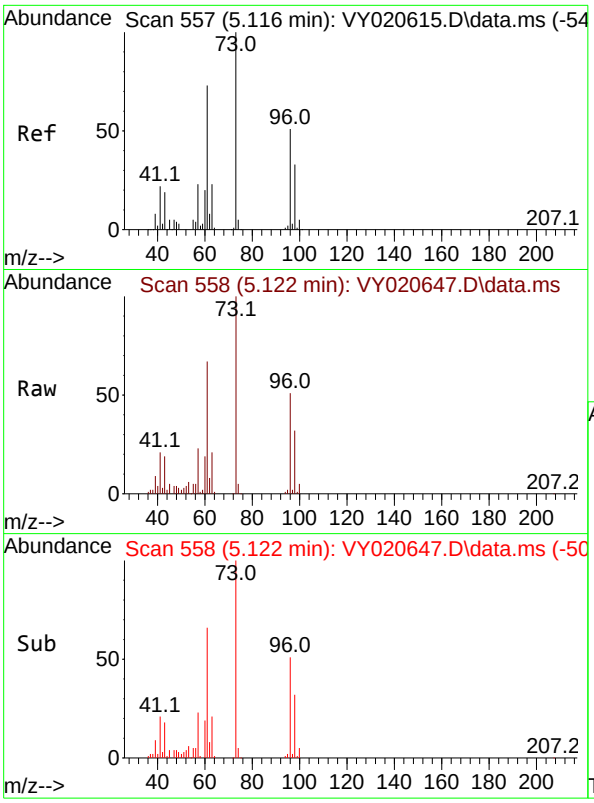


#20
Methylene Chloride
Concen: 19.271 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 84 Resp: 48520

Ion	Ratio	Lower	Upper
84	100		
49	120.1	100.7	151.1
51	37.7	32.2	48.2
86	61.5	53.0	79.6



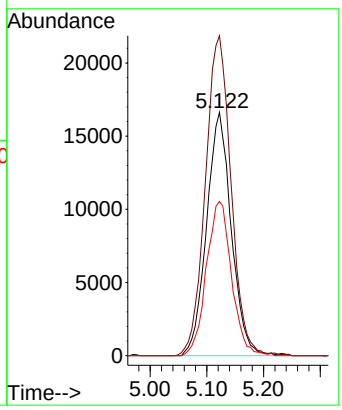


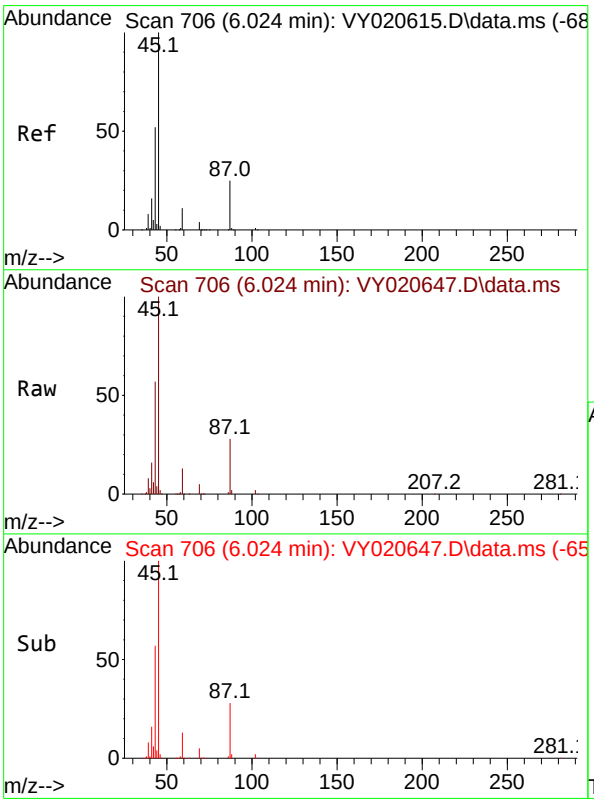
#21
trans-1,2-Dichloroethene
Concen: 19.371 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 96 Resp: 50361

Ion	Ratio	Lower	Upper
96	100		
61	131.2	113.7	170.5
98	63.4	51.7	77.5

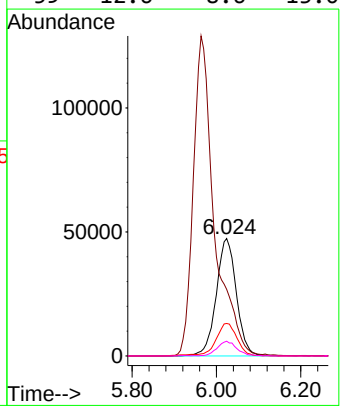


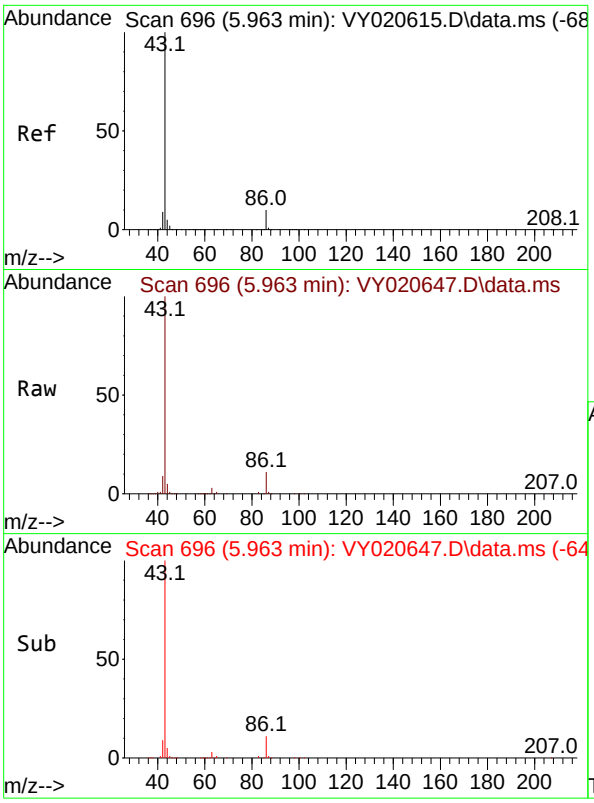


#22
Diisopropyl ether
Concen: 19.014 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 45 Resp: 156745

Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.6	64.0
87	27.7	20.6	31.0
59	12.6	8.6	13.0



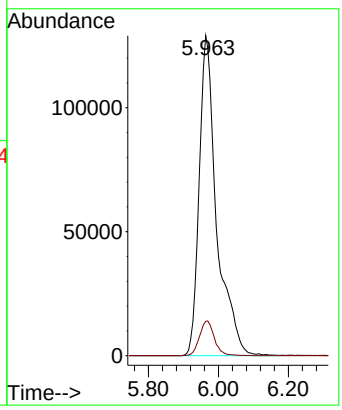


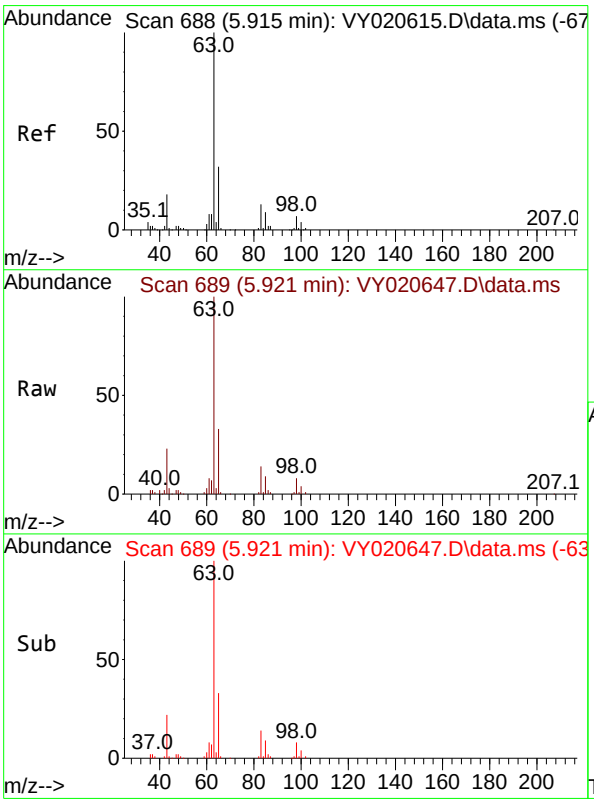
#23
Vinyl Acetate
Concen: 95.902 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 447758

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.1	12.1

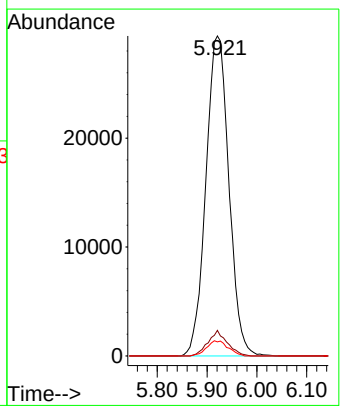


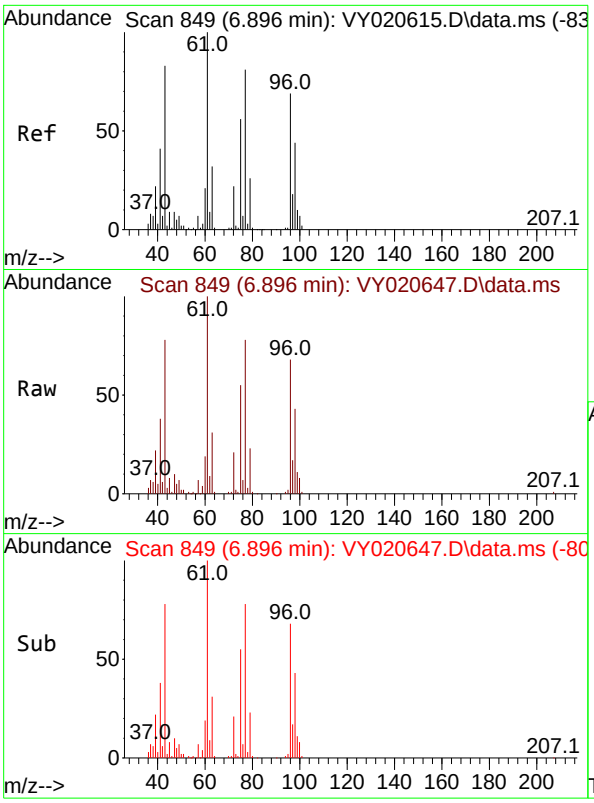


#24
1,1-Dichloroethane
Concen: 19.500 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 94173

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	4.4	2.1	6.5



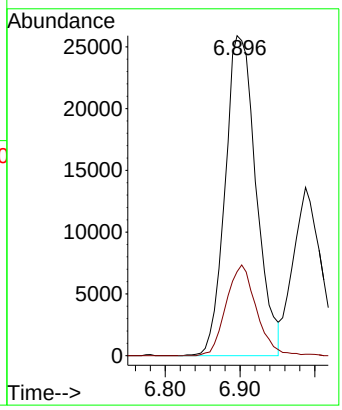


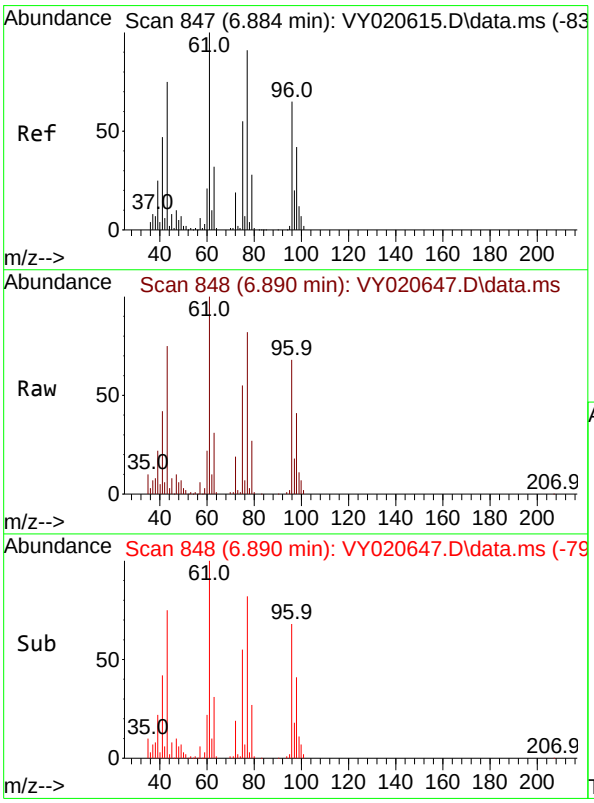
#25
2-Butanone
Concen: 99.075 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 74559

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0

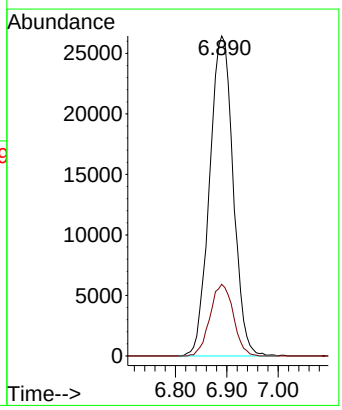


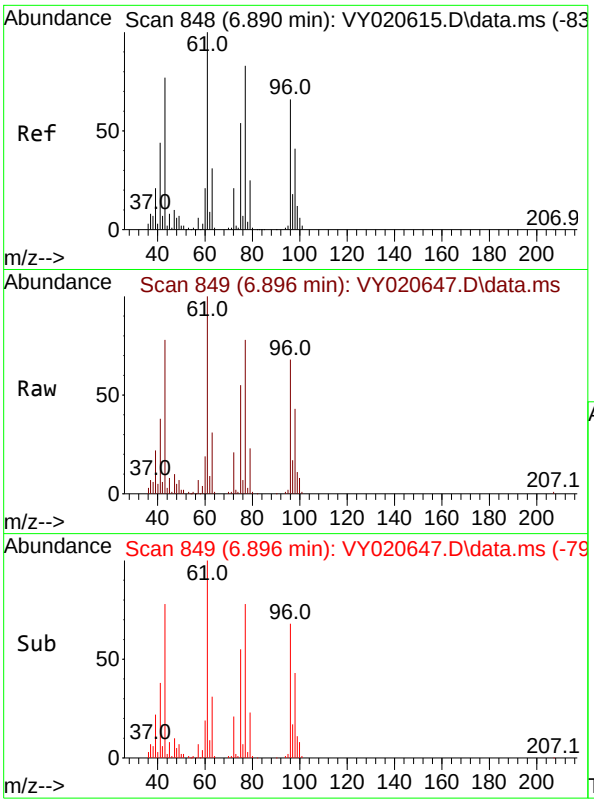


#26
2,2-Dichloropropane
Concen: 18.466 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 77 Resp: 84303

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.6



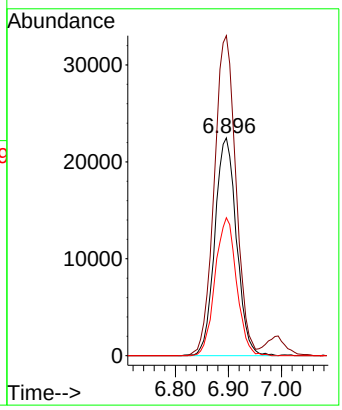


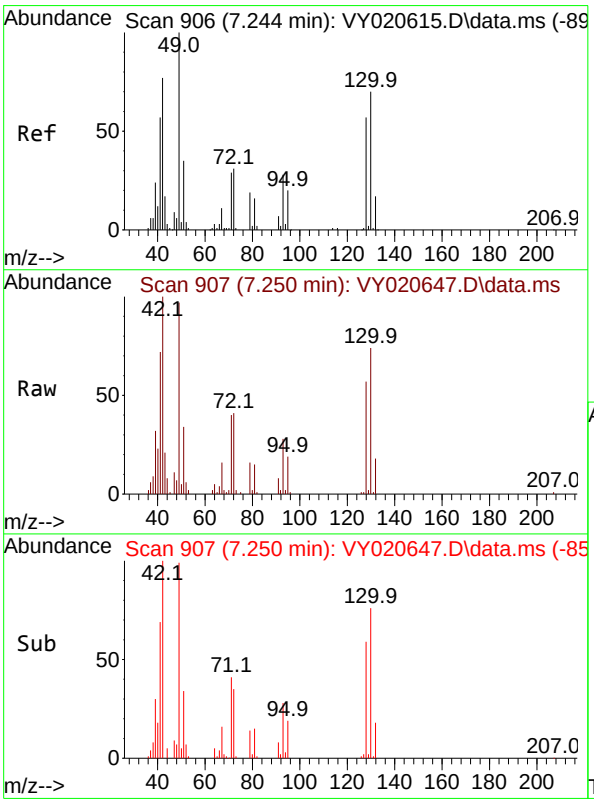
#27
cis-1,2-Dichloroethene
Concen: 21.345 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 96 Resp: 63846

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	306.2
98	62.8	0.0	127.2

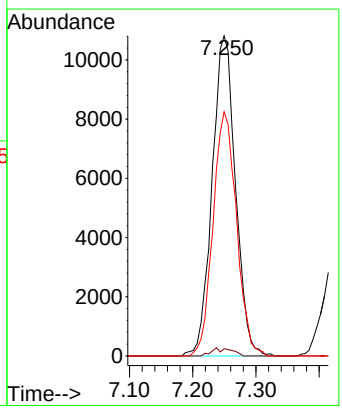


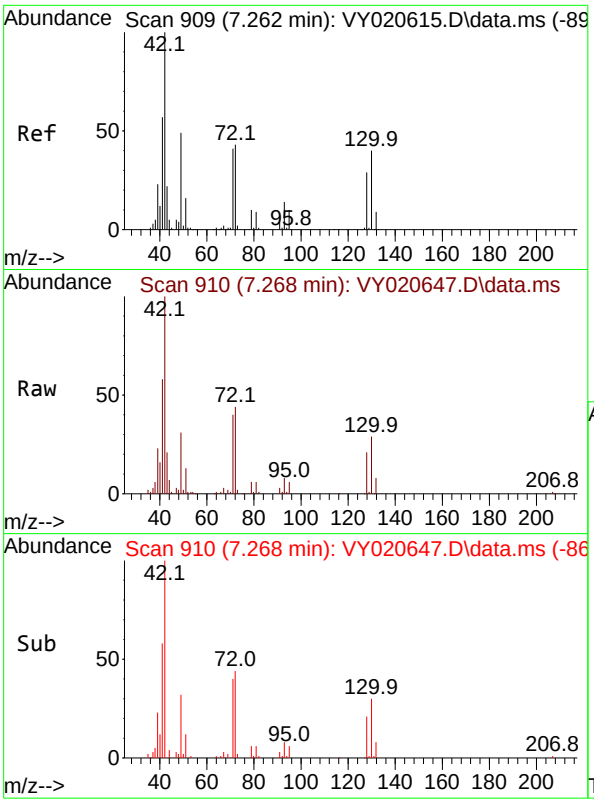


#28
Bromochloromethane
Concen: 16.994 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 49 Resp: 27683

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	76.5	58.3	87.5



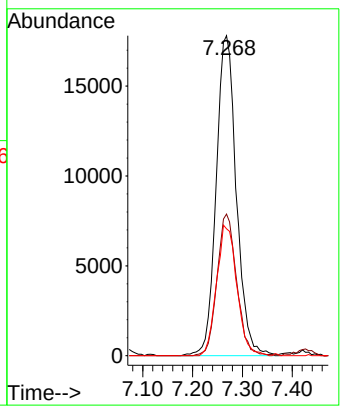


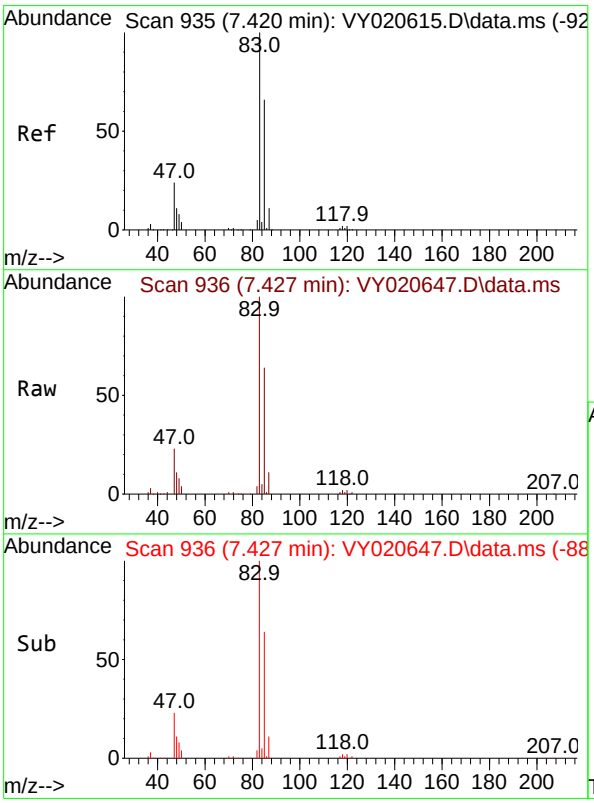
#29
Tetrahydrofuran
Concen: 105.321 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 42 Resp: 50035

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.0	51.0
71	40.9	31.6	47.4

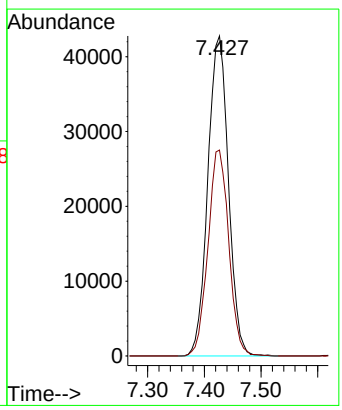


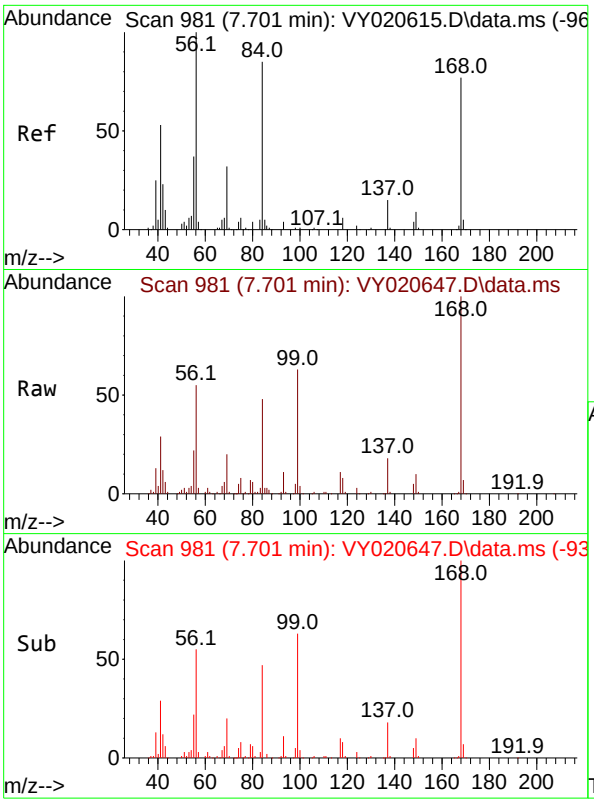


#30
Chloroform
Concen: 18.928 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 83 Resp: 107747

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.7	79.1



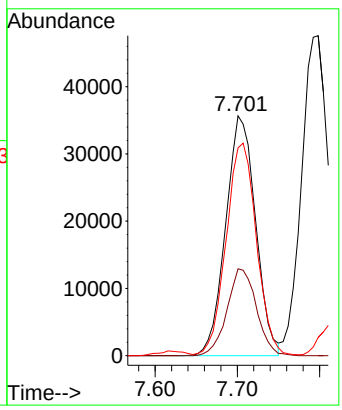


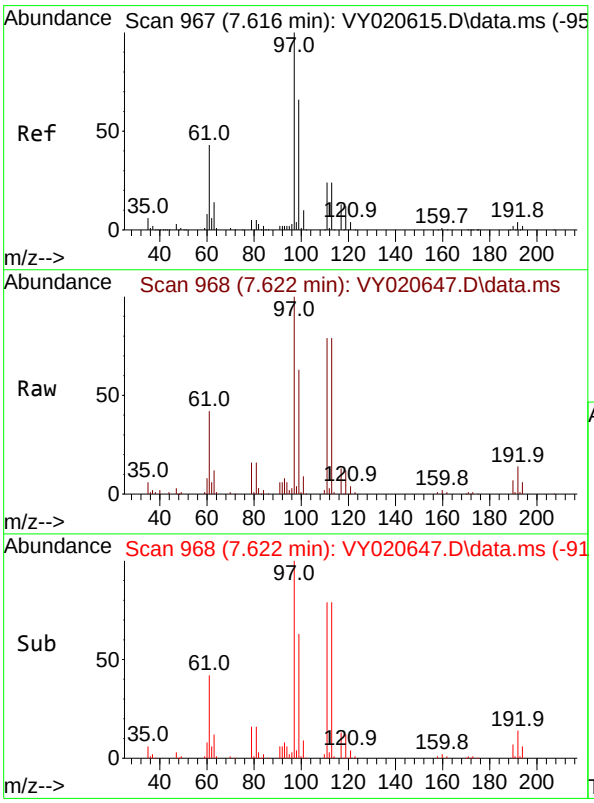
#31
Cyclohexane
Concen: 19.558 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 56 Resp: 90313

Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.4	38.0
84	85.1	68.3	102.5

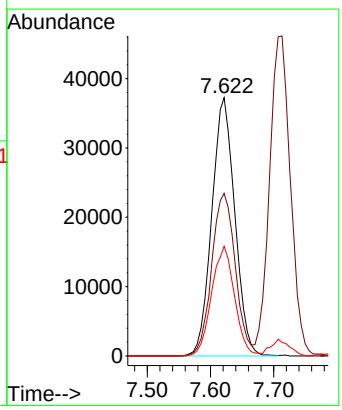


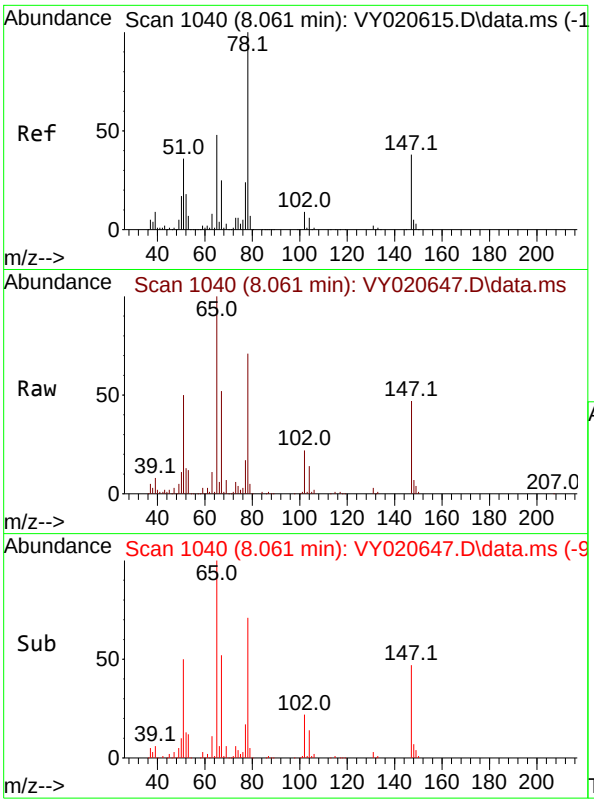


#32
1,1,1-Trichloroethane
Concen: 21.207 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 97 Resp: 94090

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.3	34.7	52.1



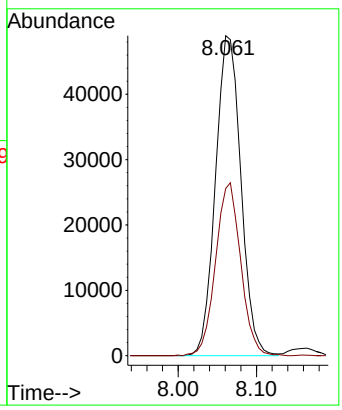


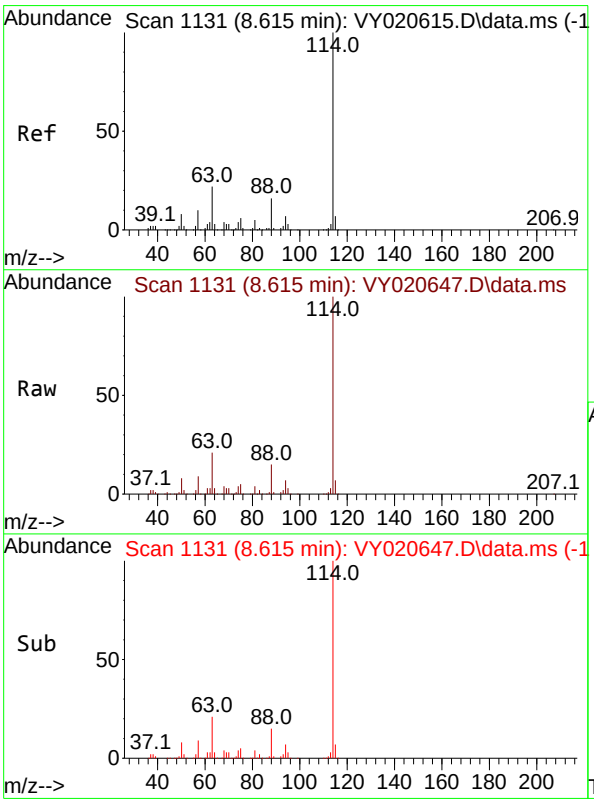
#33
1,2-Dichloroethane-d4
Concen: 54.498 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 65 Resp: 110359

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.0

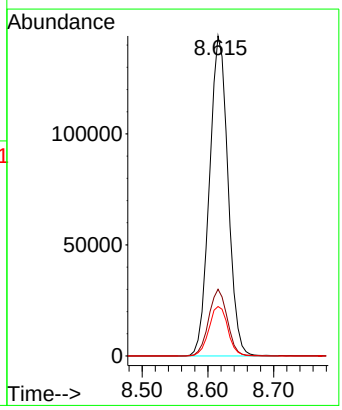


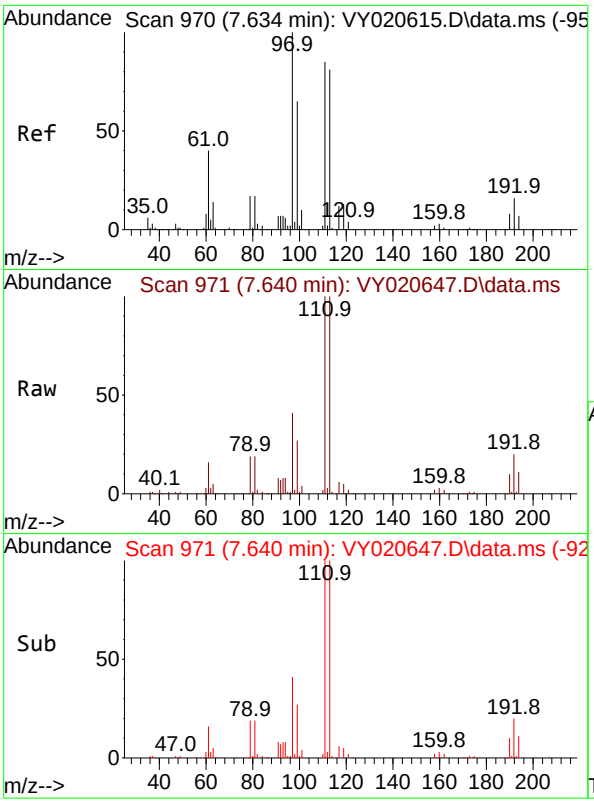


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:114 Resp: 283194

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	15.5	0.0	32.8



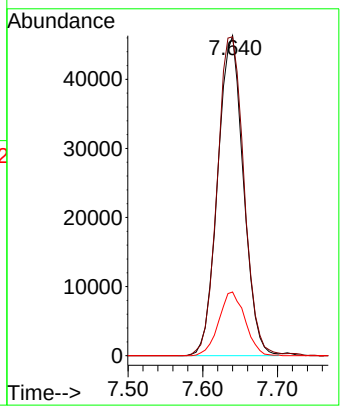


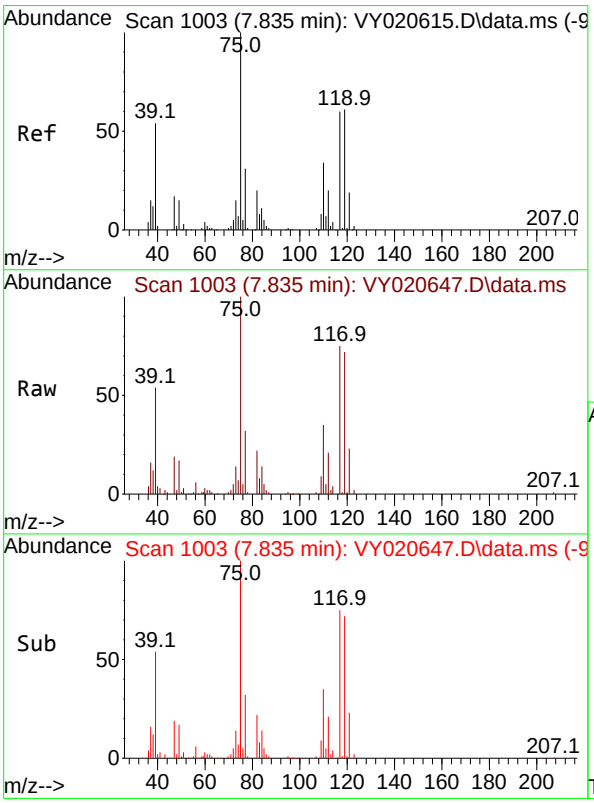
#35
Dibromofluoromethane
Concen: 55.520 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:113 Resp: 110812

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	20.3	15.7	23.5

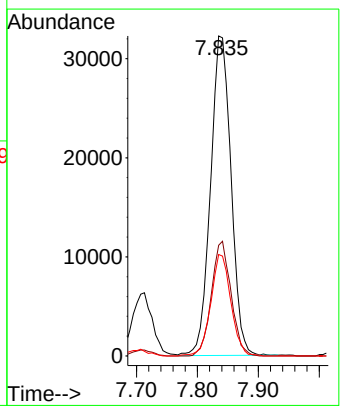


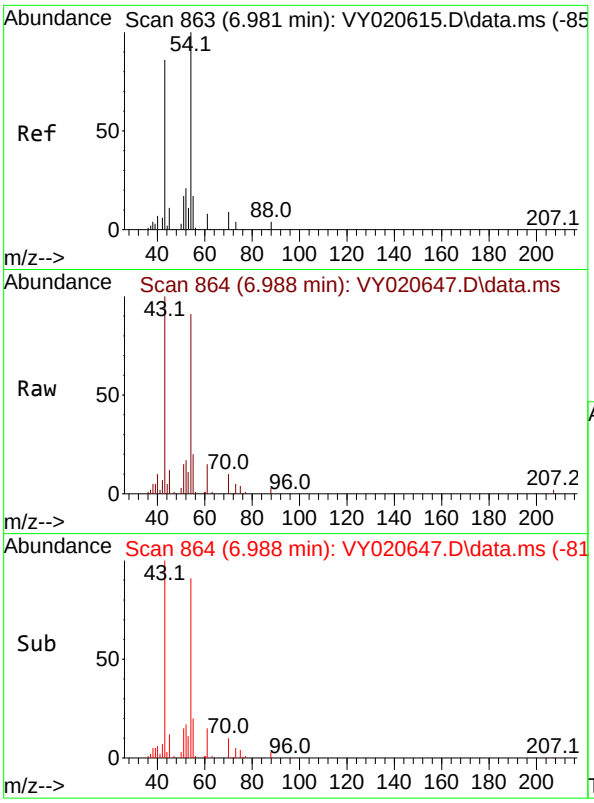


#36
1,1-Dichloropropene
Concen: 20.721 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 75411

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.1	25.0	37.6



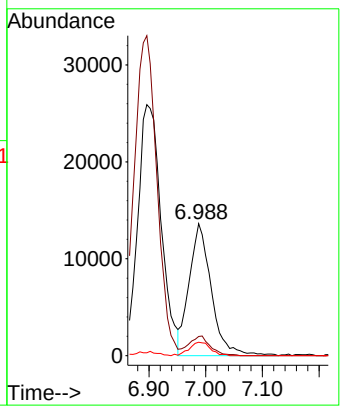


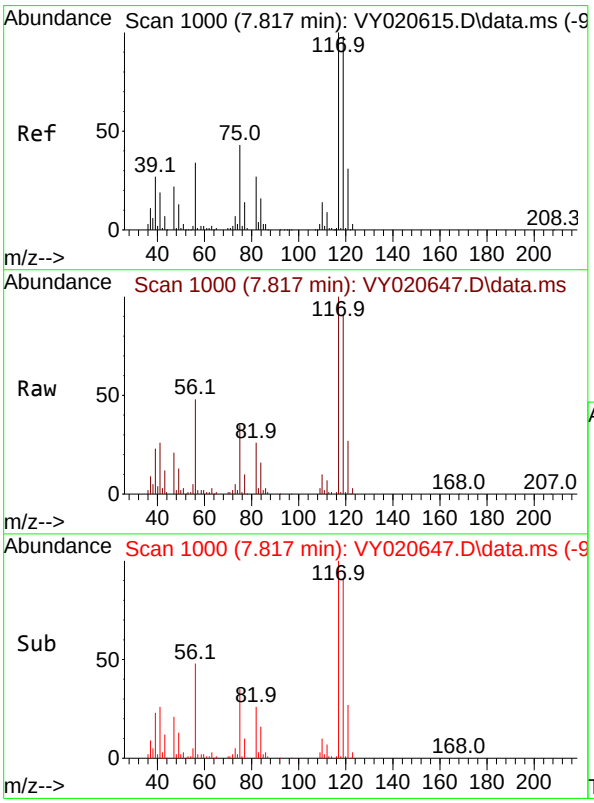
#37
Ethyl Acetate
Concen: 21.671 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 37099

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.7	7.9	11.9

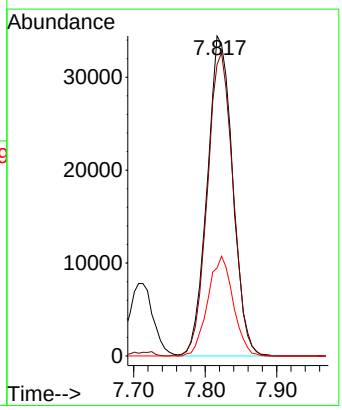


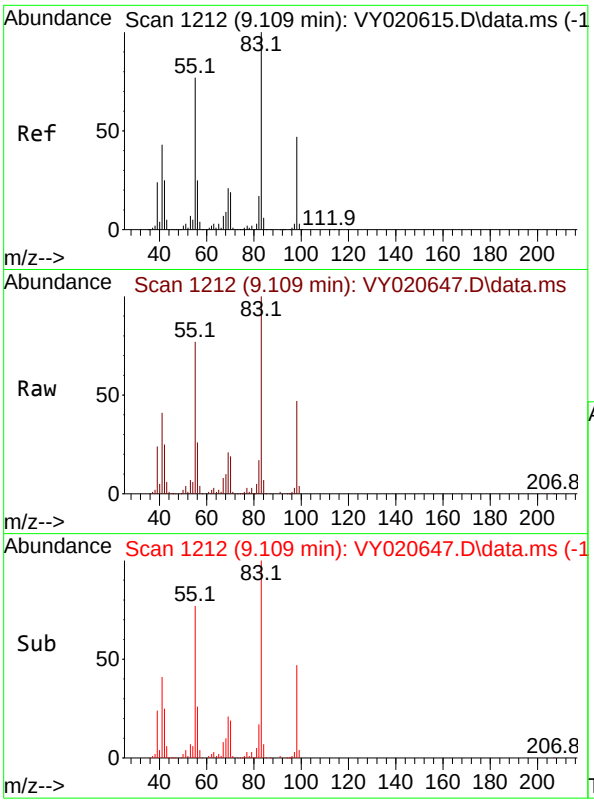


#38
Carbon Tetrachloride
Concen: 21.119 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:117 Resp: 85038

Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.3	117.5
121	27.5	25.1	37.7



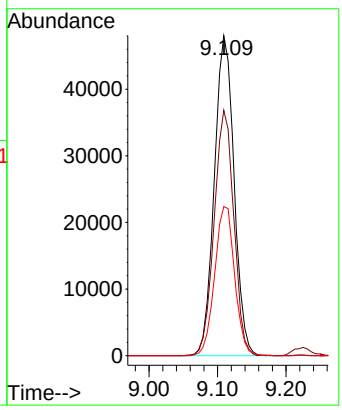


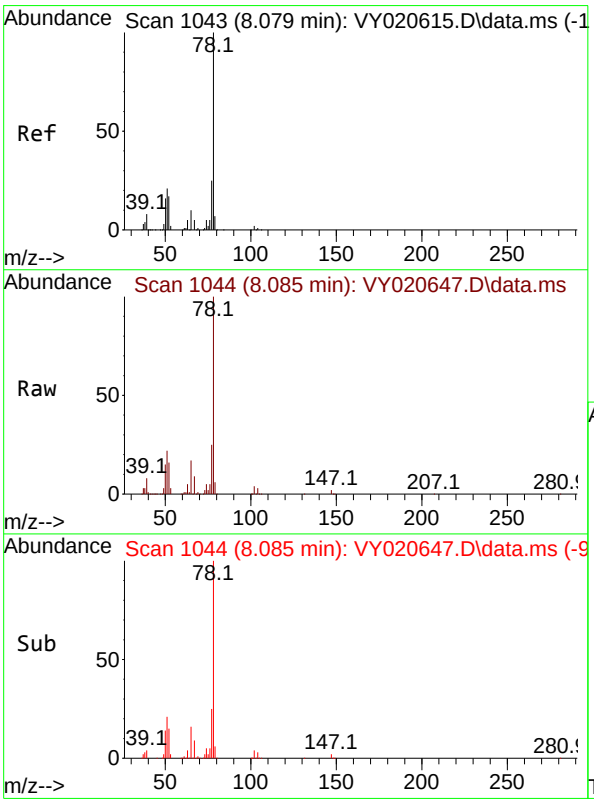
#39
Methylcyclohexane
Concen: 20.236 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 83 Resp: 95987

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.4	92.0
98	46.6	37.3	55.9

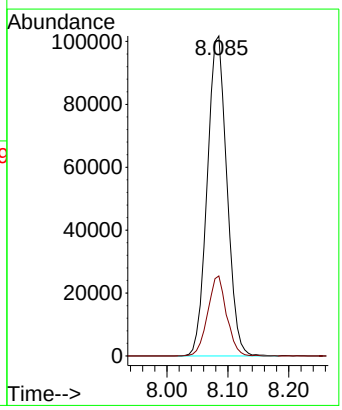


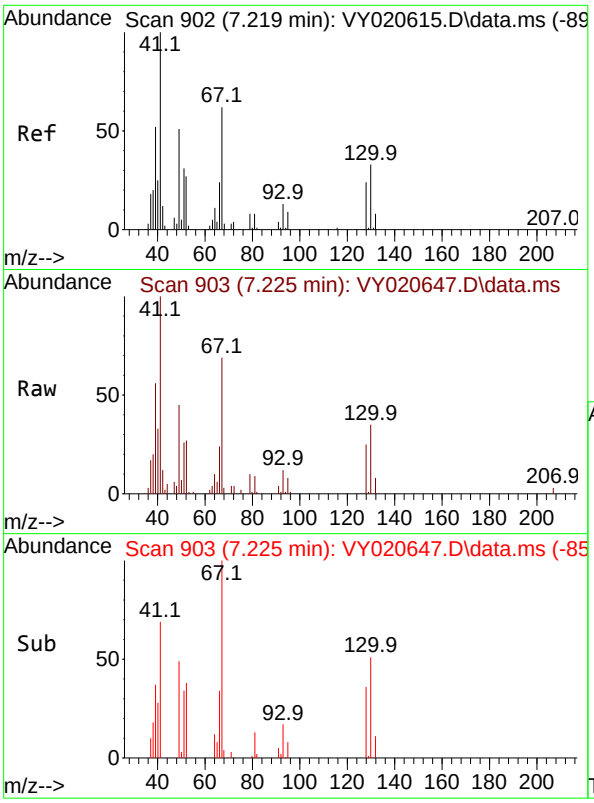


#40
Benzene
Concen: 21.371 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 78 Resp: 227976

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1



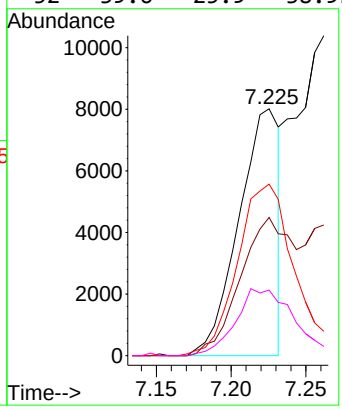


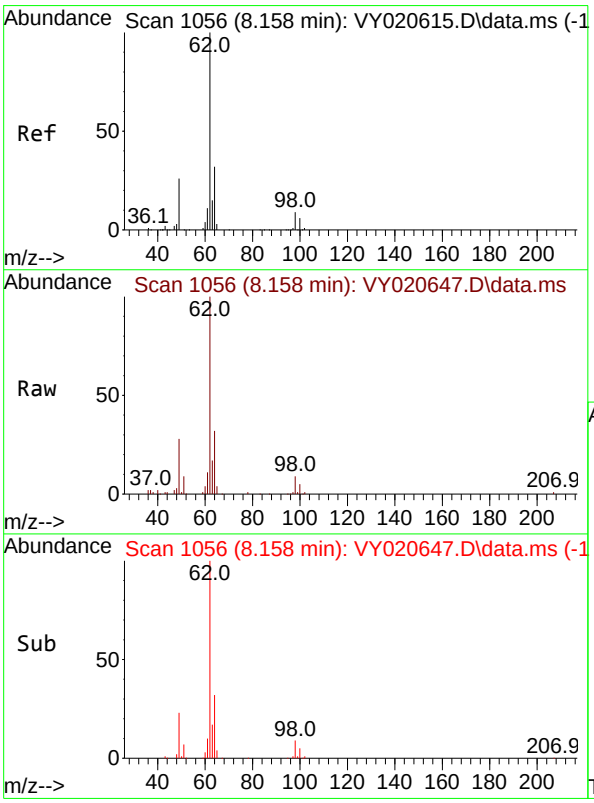
#41
Methacrylonitrile
Concen: 16.803 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 41 Resp: 15207

Ion	Ratio	Lower	Upper
41	100		
39	71.7	53.6	80.4
67	98.0	62.0	93.0#
52	39.6	25.9	38.9#

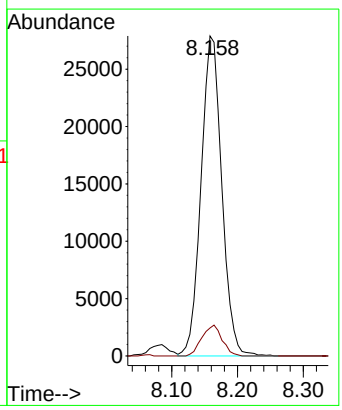


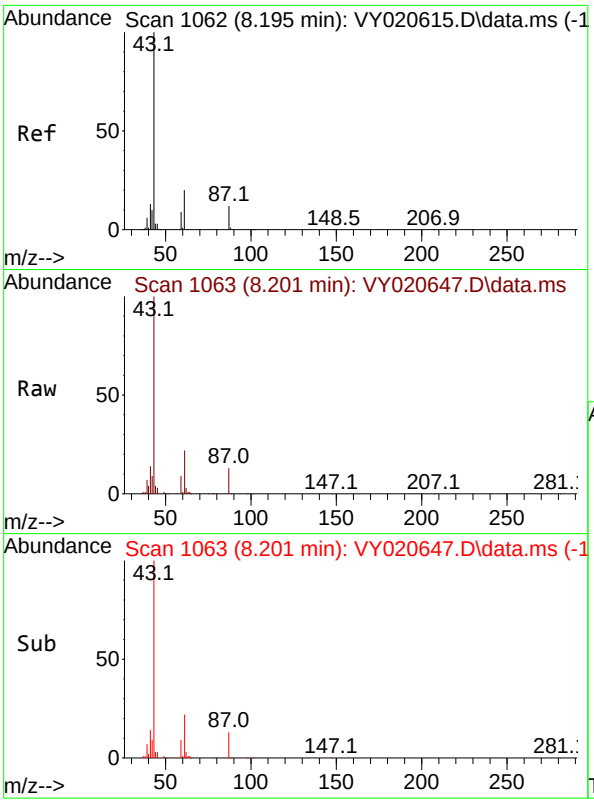


#42
1,2-Dichloroethane
Concen: 21.617 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 62 Resp: 61160

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0



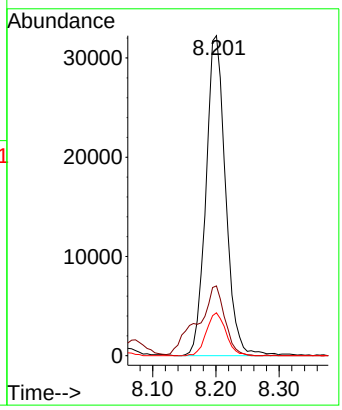


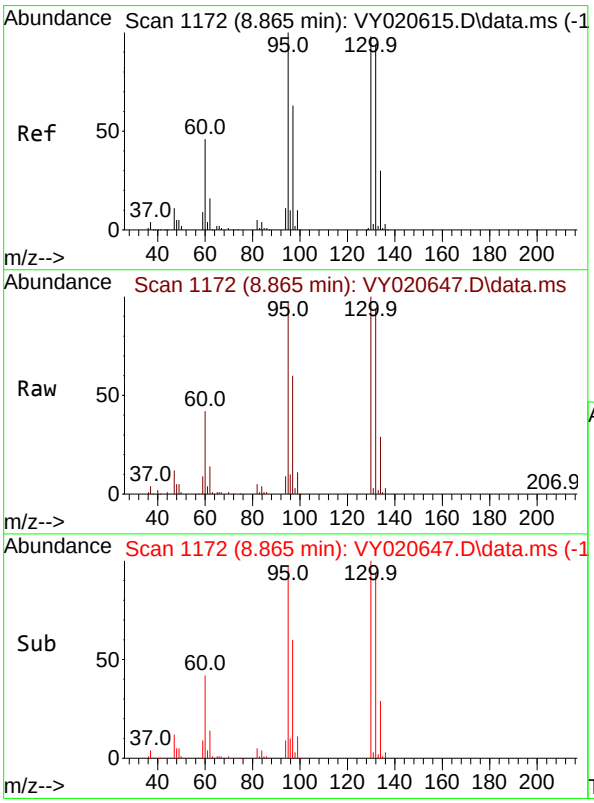
#43
Isopropyl Acetate
Concen: 21.441 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 69490

Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.8	35.6
87	13.4	10.2	15.4

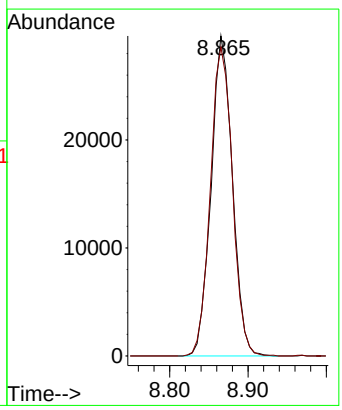


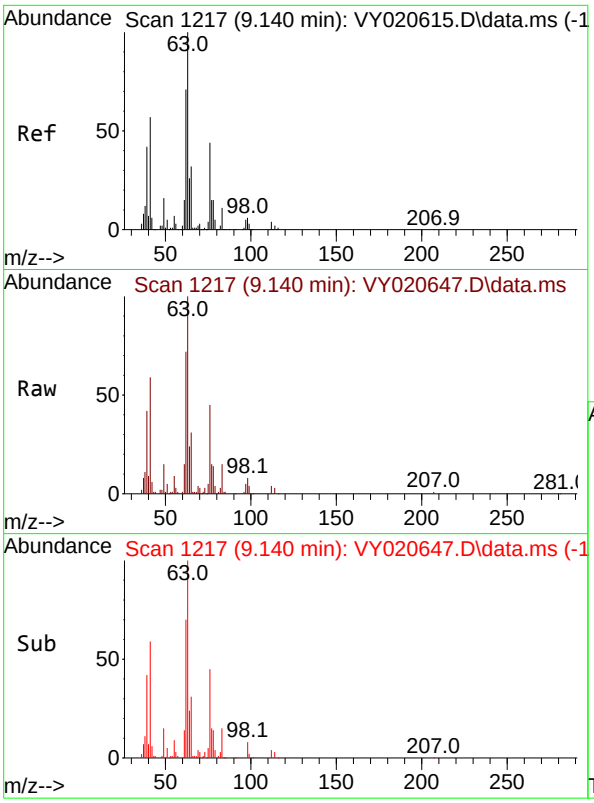


#44
Trichloroethene
Concen: 21.384 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:130 Resp: 56052

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	203.2



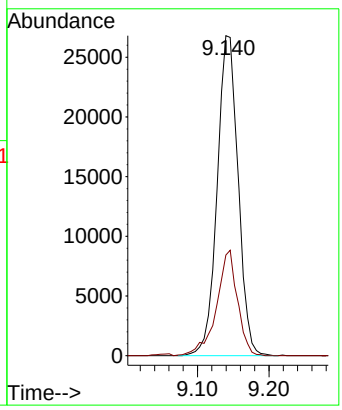


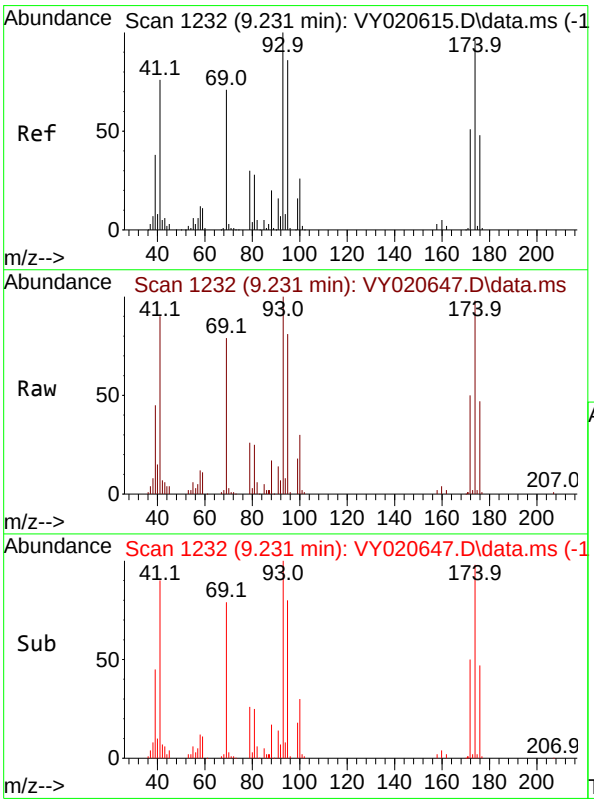
#45
1,2-Dichloropropane
Concen: 21.857 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 63 Resp: 54493

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9

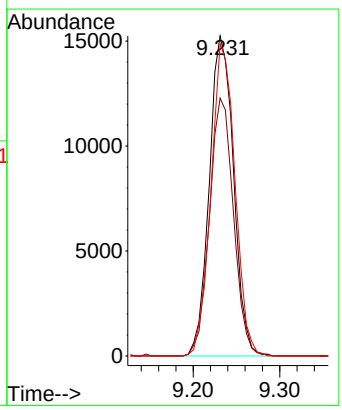


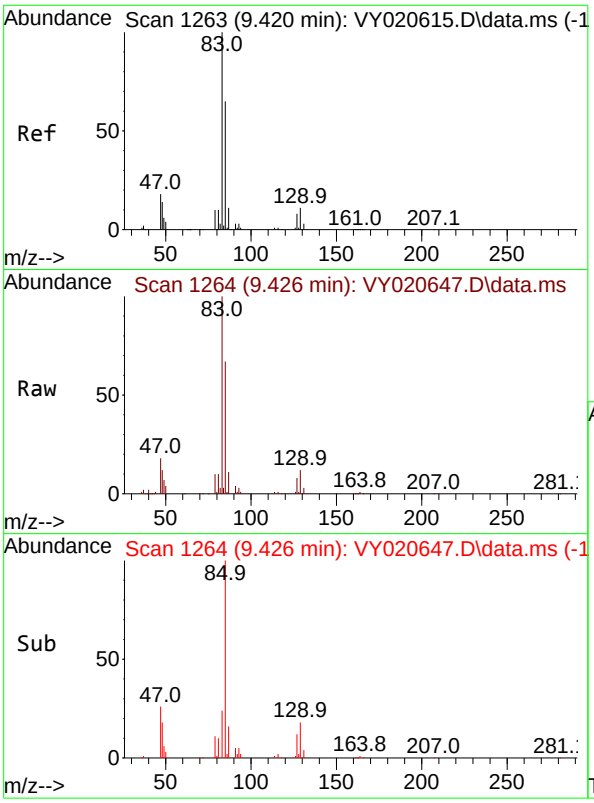


#46
Dibromomethane
Concen: 22.464 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 93 Resp: 29599

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.7	100.1
174	96.5	77.8	116.6



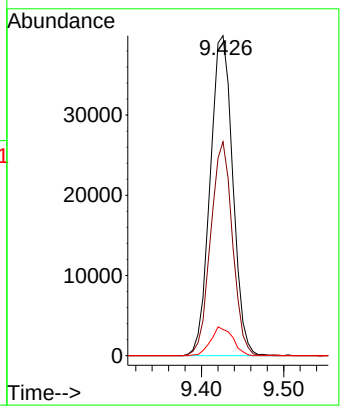


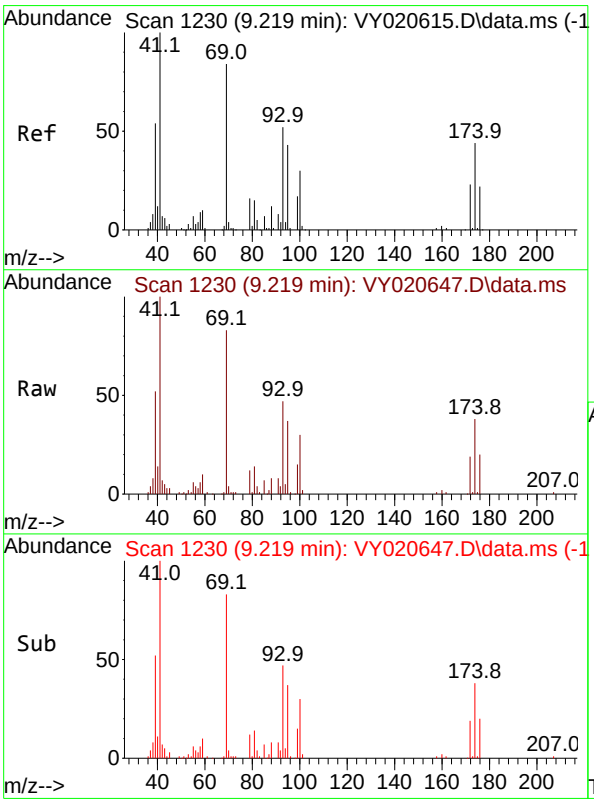
#47
Bromodichloromethane
Concen: 21.413 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 83 Resp: 76212

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.1	78.1
127	8.2	6.7	10.1

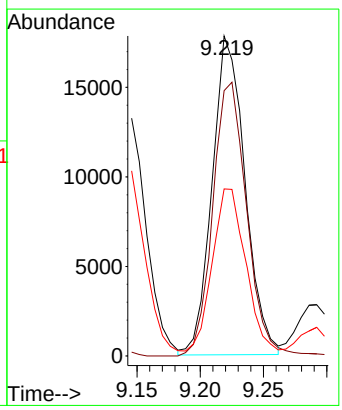


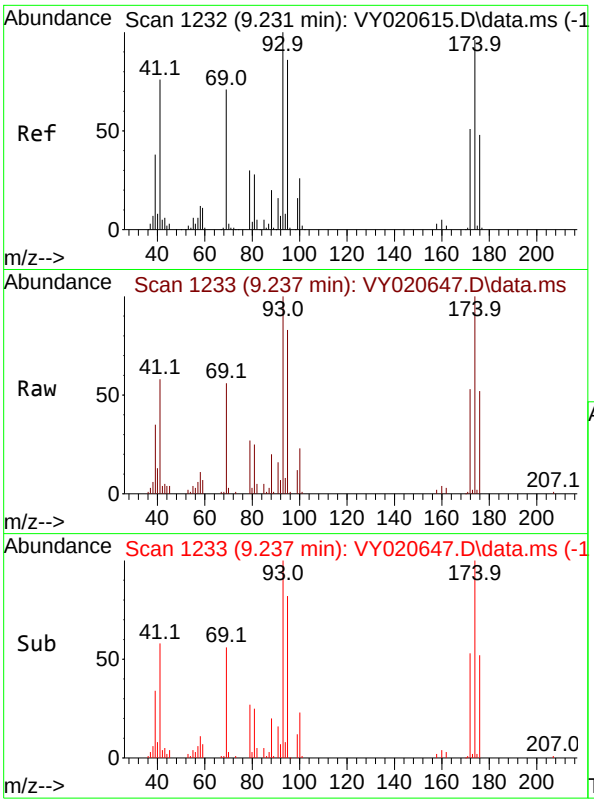


#48
Methyl methacrylate
Concen: 20.890 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 41 Resp: 32186

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.2	100.8
39	51.3	42.2	63.4



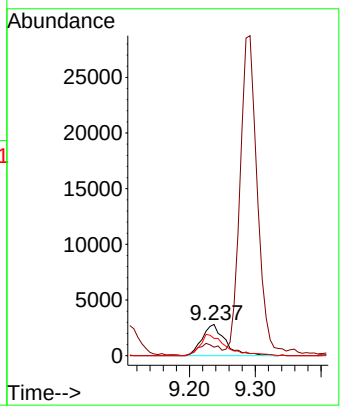


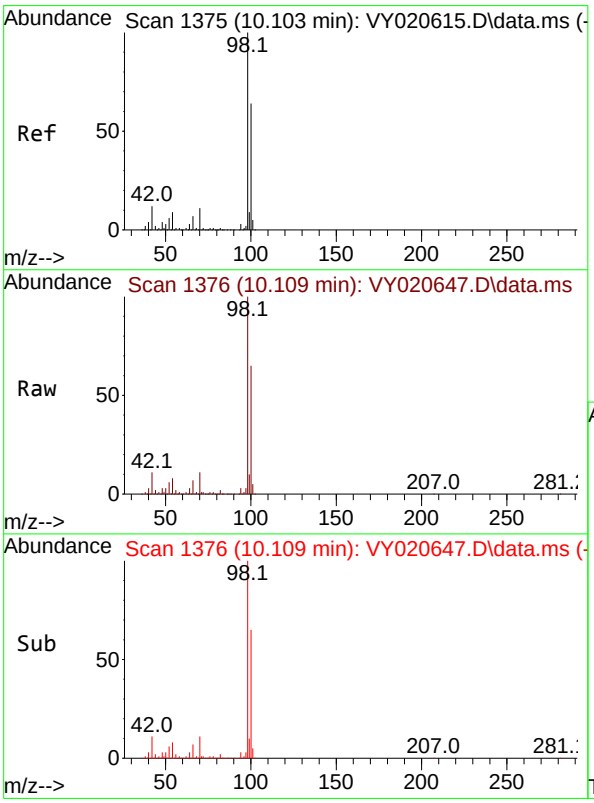
#49
1,4-Dioxane
Concen: 459.147 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 88 Resp: 6938

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.6	41.4
58	75.2	61.7	92.5

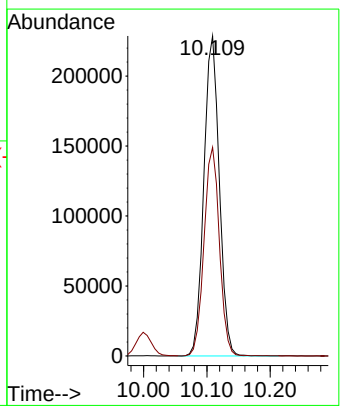


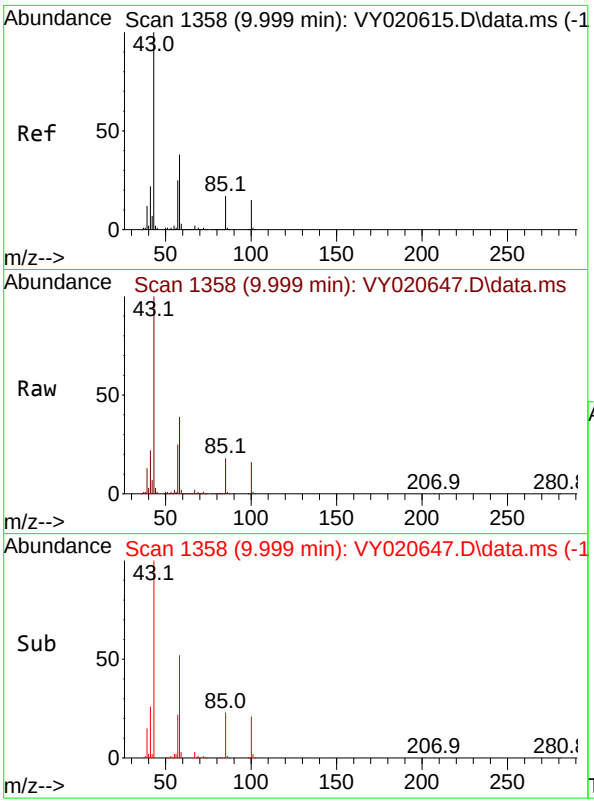


#50
Toluene-d8
Concen: 55.554 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 98 Resp: 388095

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



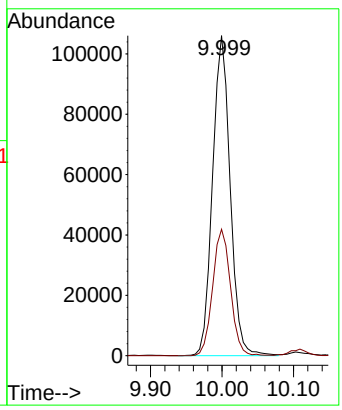


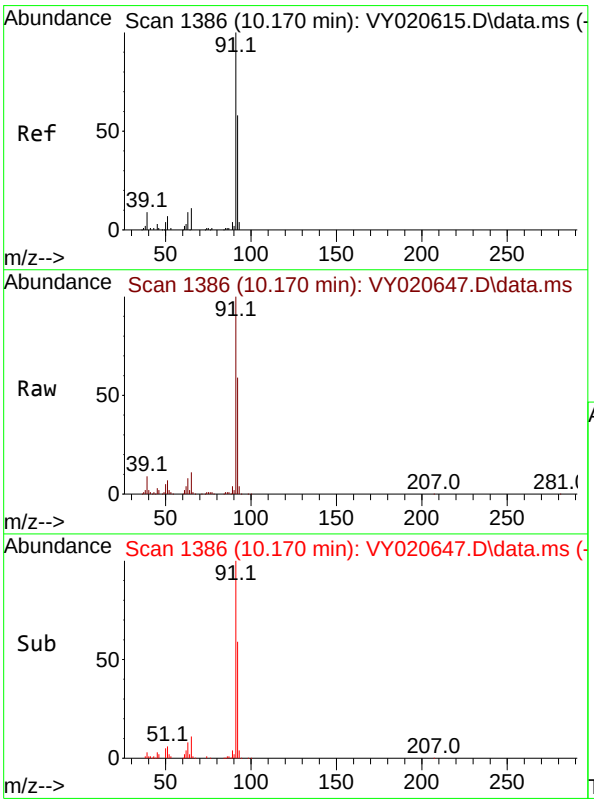
#51
4-Methyl-2-Pentanone
Concen: 105.942 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 181234

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.4	47.2

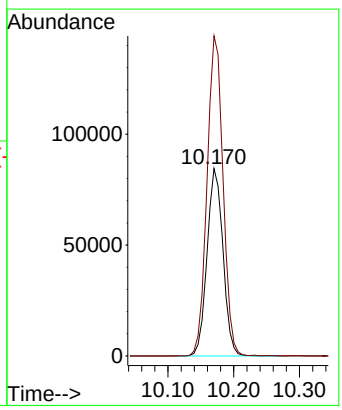


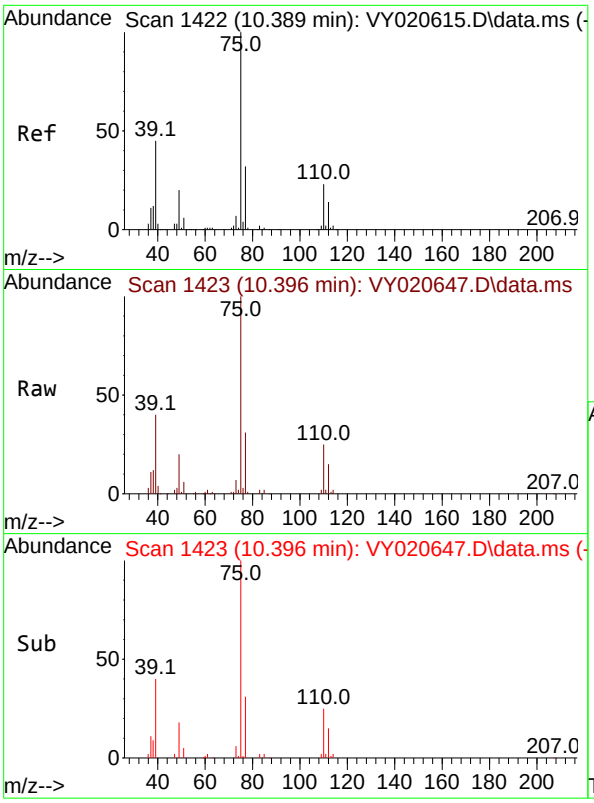


#52
Toluene
Concen: 21.454 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 92 Resp: 142231

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0



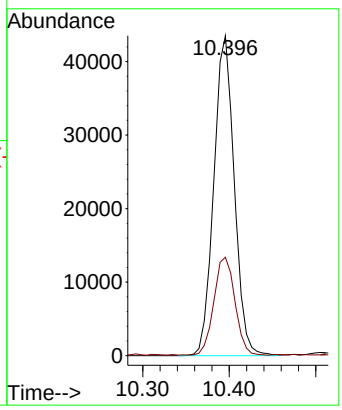


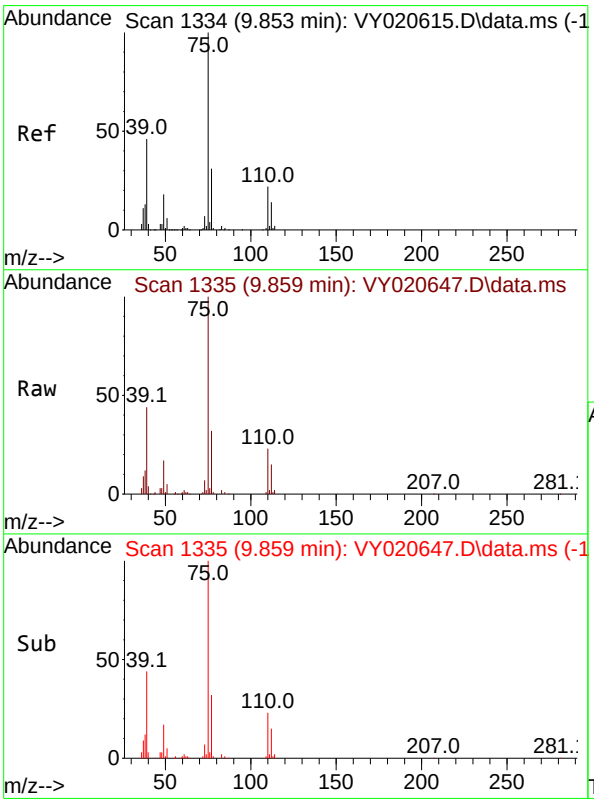
#53
t-1,3-Dichloropropene
Concen: 21.532 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 75 Resp: 71410

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

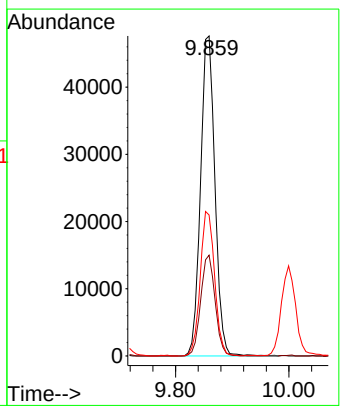


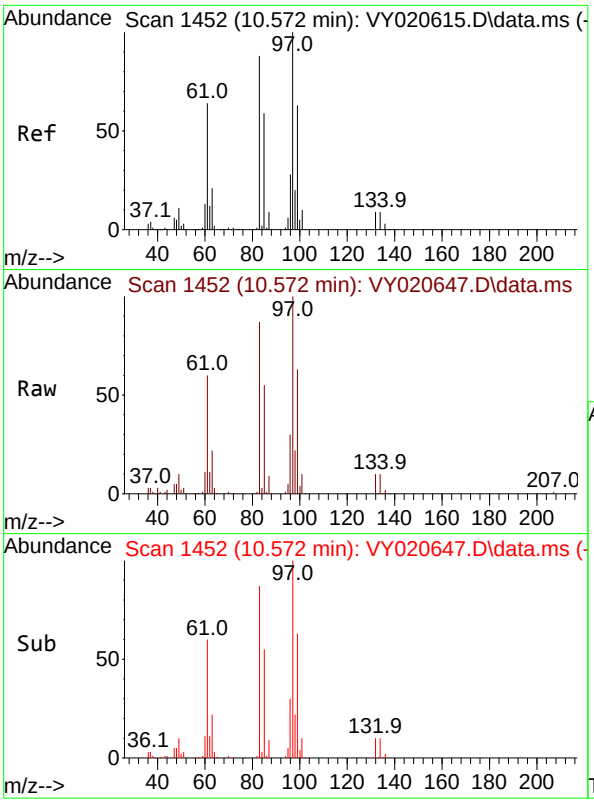


#54
cis-1,3-Dichloropropene
Concen: 21.381 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 84026

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	44.1	36.4	54.6



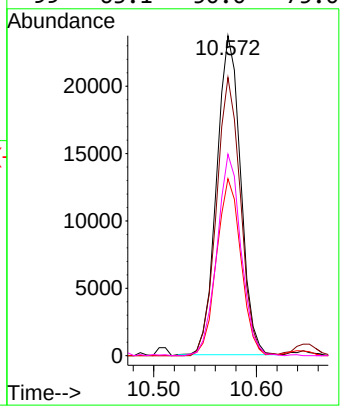


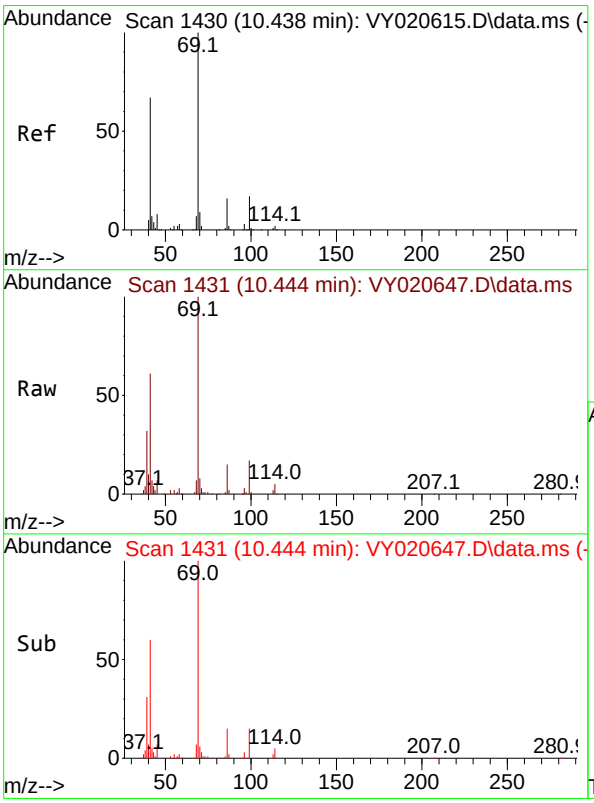
#55
1,1,2-Trichloroethane
Concen: 21.995 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 97 Resp: 38316

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	55.5	47.2	70.8
99	63.1	50.0	75.0

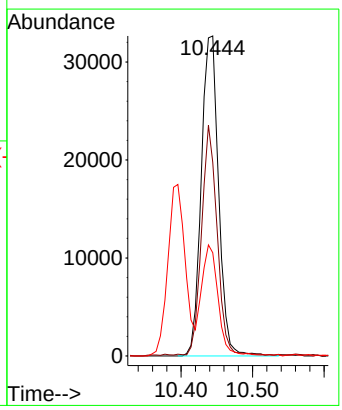


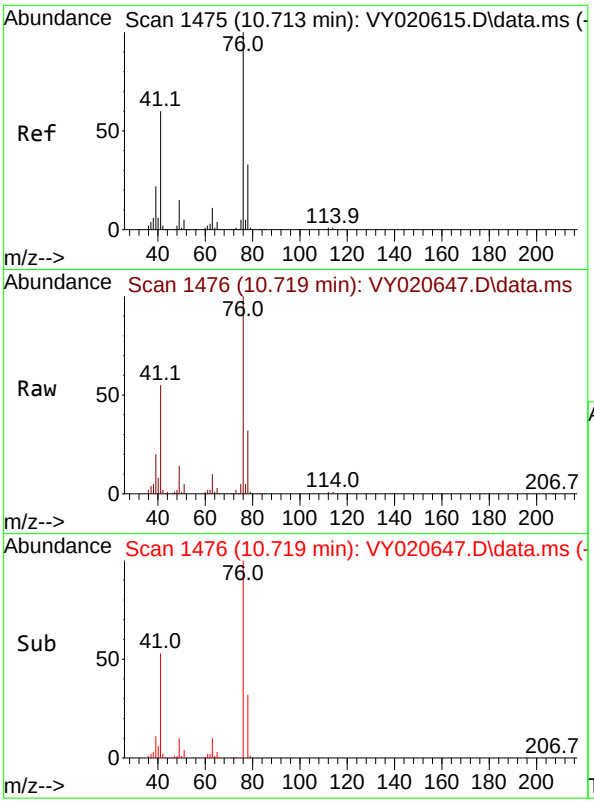


#56
Ethyl methacrylate
Concen: 21.762 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 69 Resp: 54998

Ion	Ratio	Lower	Upper
69	100		
41	64.3	54.0	81.0
39	33.3	27.9	41.9



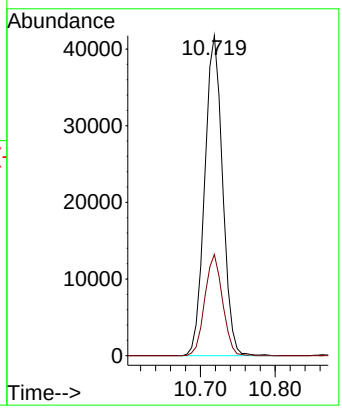


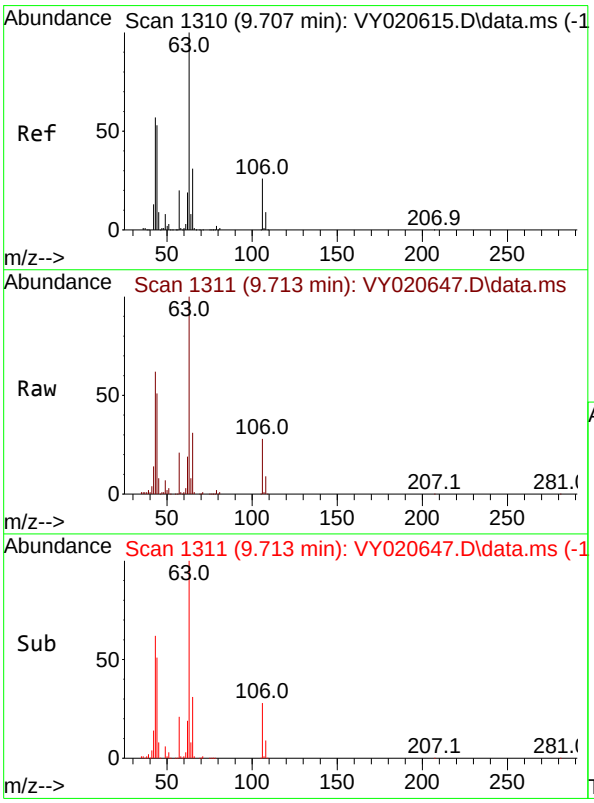
#57
1,3-Dichloropropane
Concen: 22.270 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 76 Resp: 69158

Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

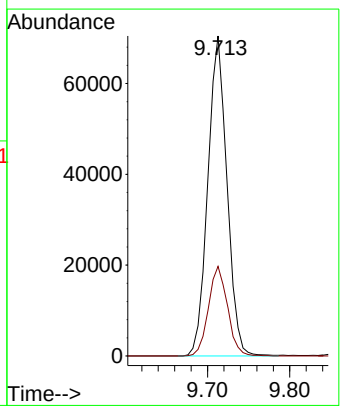


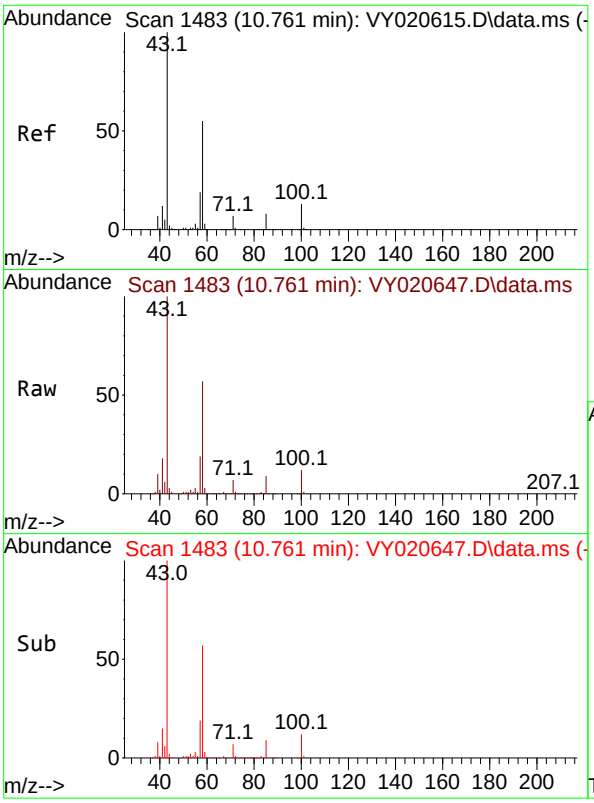


#58
2-Chloroethyl Vinyl ether
Concen: 107.175 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 63 Resp: 113969

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.5	32.3



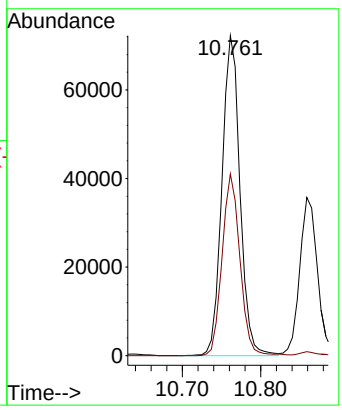


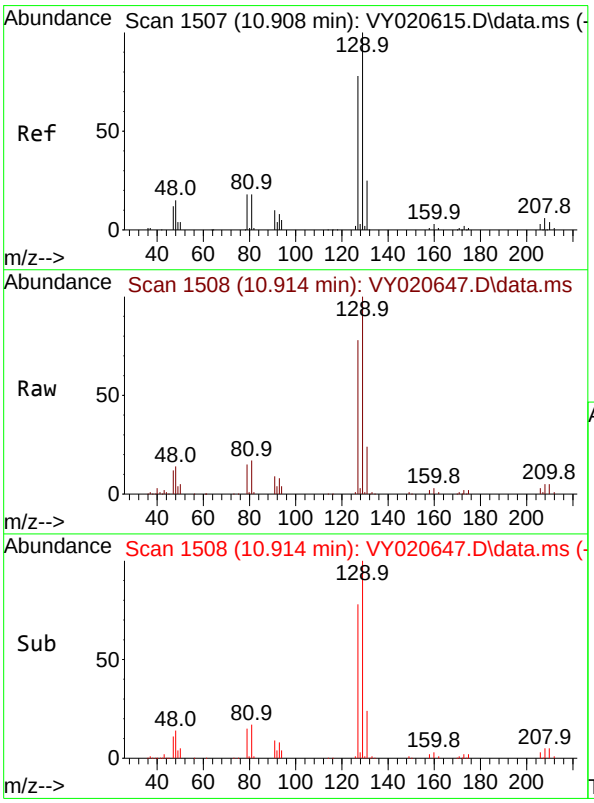
#59
2-Hexanone
Concen: 105.263 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 43 Resp: 115614

Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.2	81.6

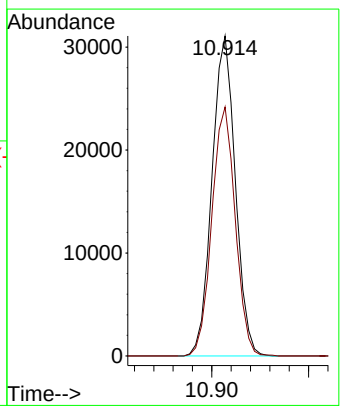


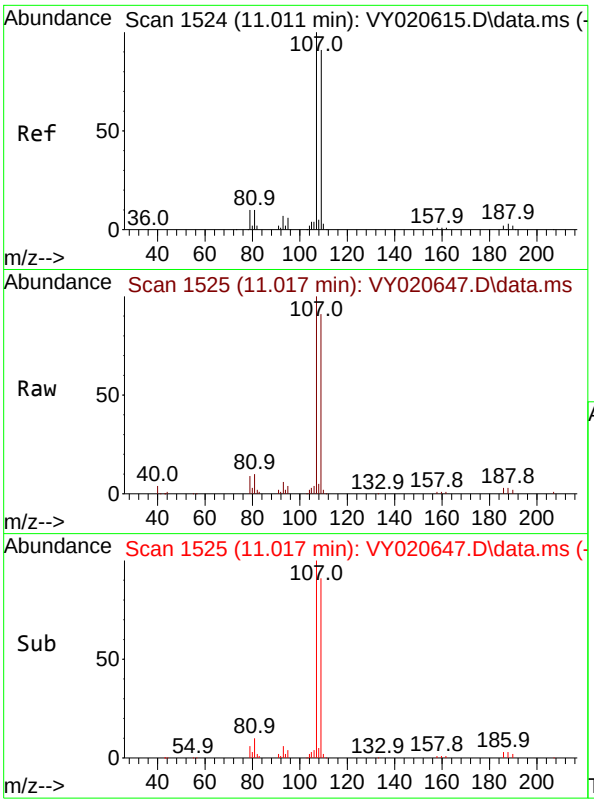


#60
Dibromochloromethane
Concen: 22.297 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:129 Resp: 51946

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.1	114.3



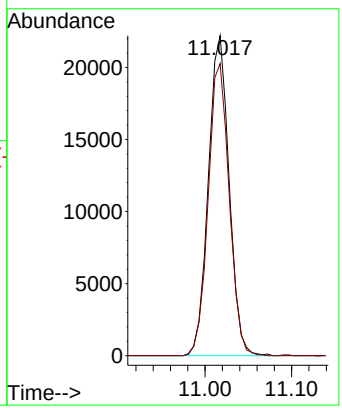


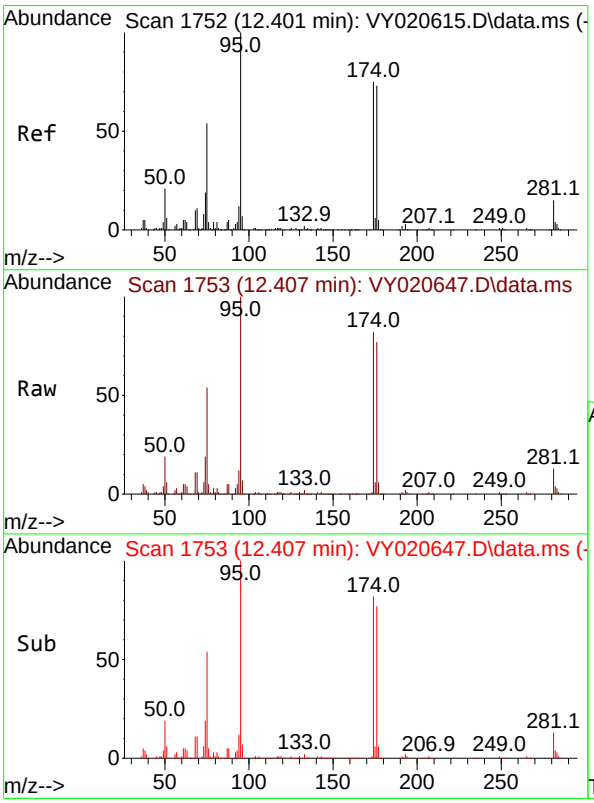
#61
1,2-Dibromoethane
Concen: 22.758 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:107 Resp: 36878

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.2

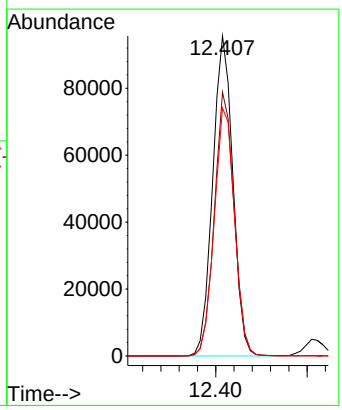


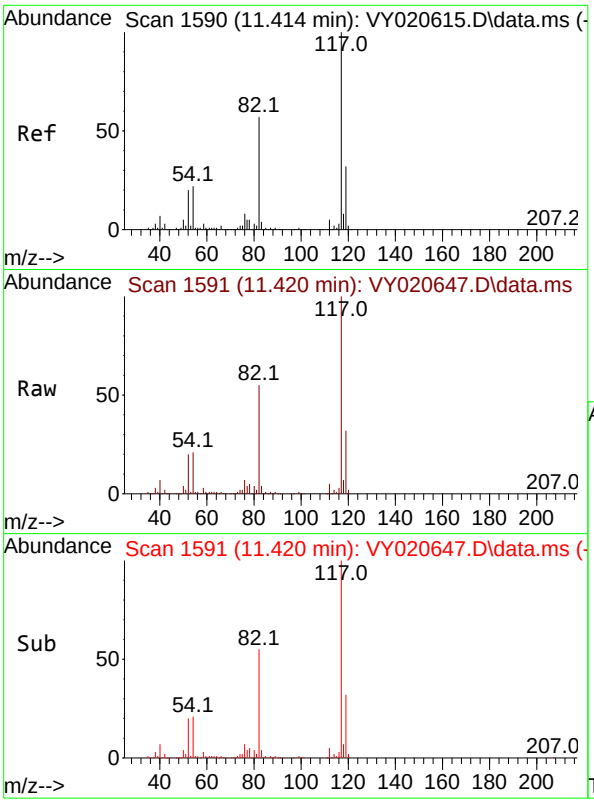


#62
4-Bromofluorobenzene
Concen: 53.552 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 95 Resp: 146340

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.4	0.0	156.6



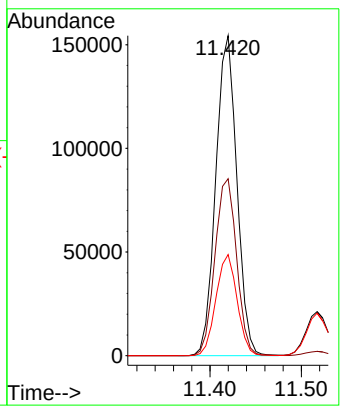


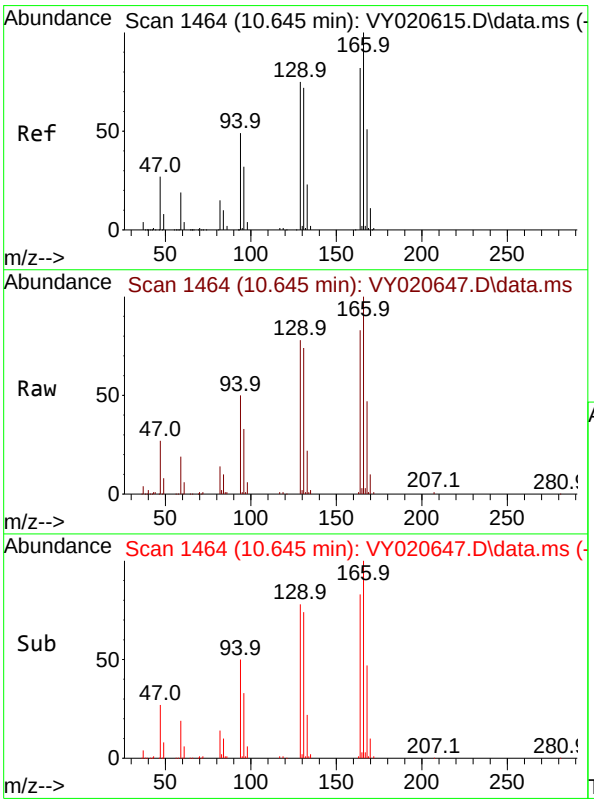
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:117 Resp: 247561

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.8	68.6
119	31.6	25.3	37.9

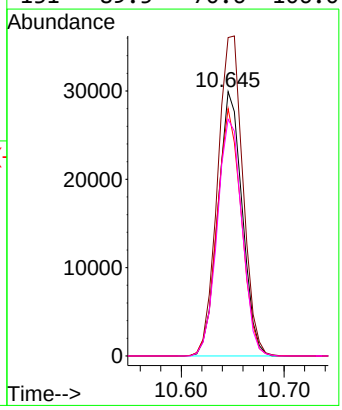


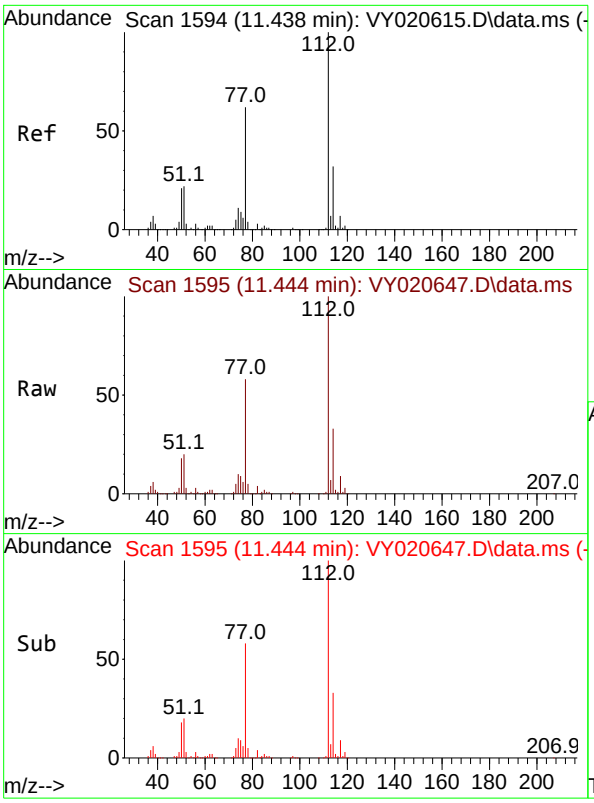


#64
Tetrachloroethene
Concen: 21.133 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:164 Resp: 49209

Ion	Ratio	Lower	Upper
164	100		
166	120.4	97.9	146.9
129	93.5	73.4	110.0
131	89.5	70.6	106.0



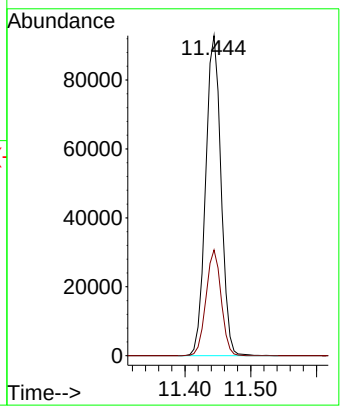


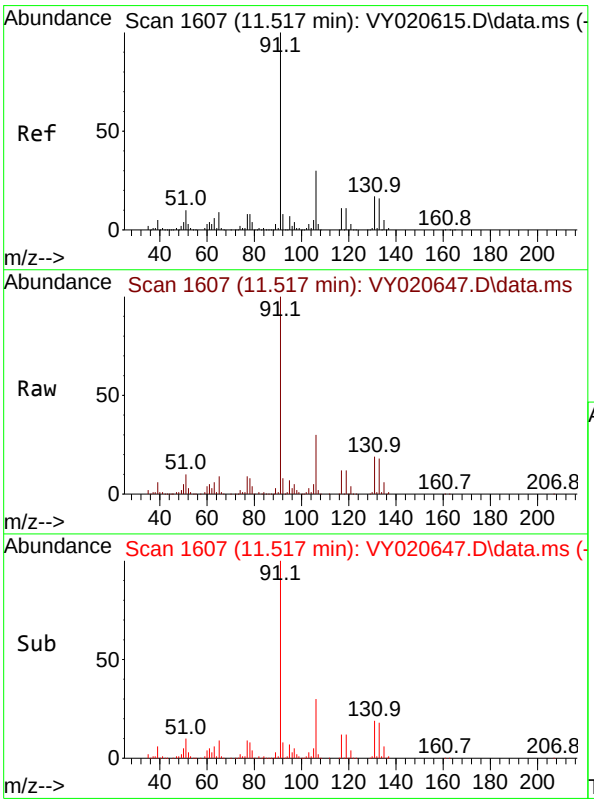
#65
Chlorobenzene
Concen: 21.815 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:112 Resp: 151005

Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.0	39.0

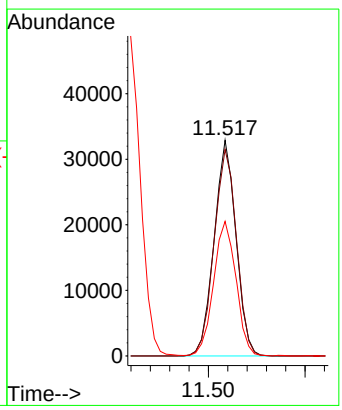


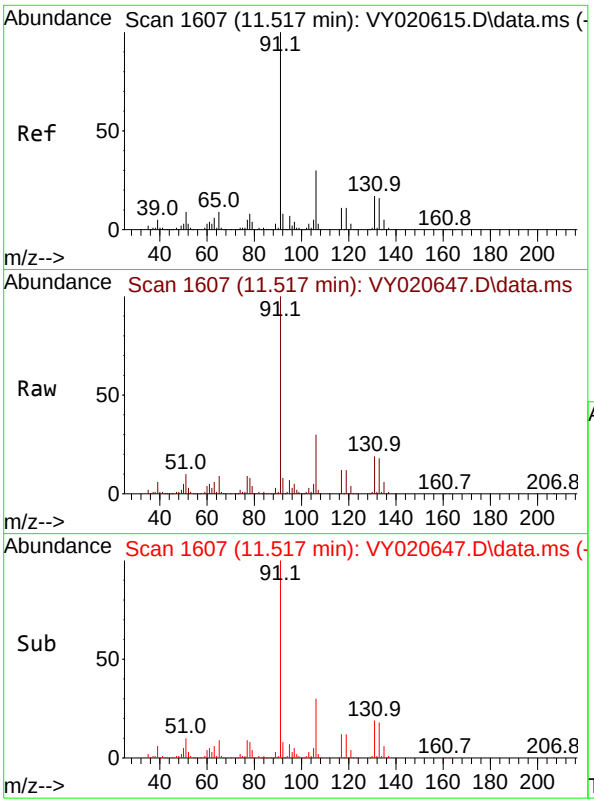


#66
1,1,1,2-Tetrachloroethane
Concen: 21.787 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:131 Resp: 51570

Ion	Ratio	Lower	Upper
131	100		
133	98.4	46.8	140.3
119	64.2	31.8	95.3



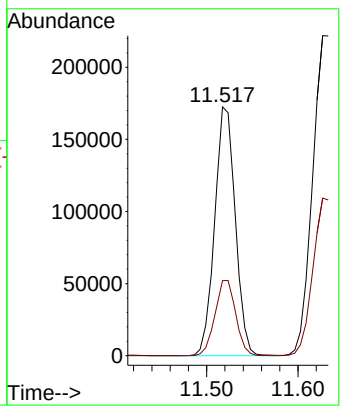


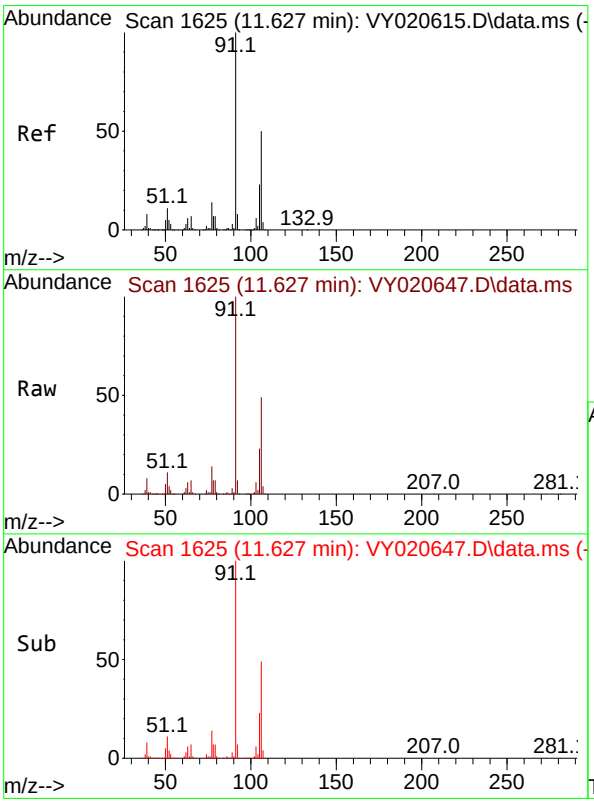
#67
Ethyl Benzene
Concen: 21.198 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 91 Resp: 270705

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

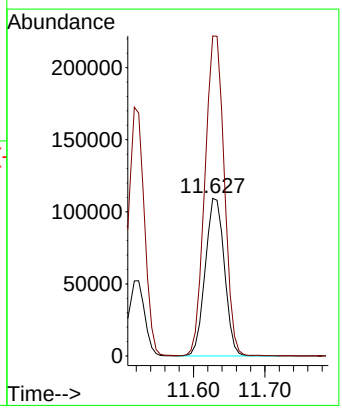


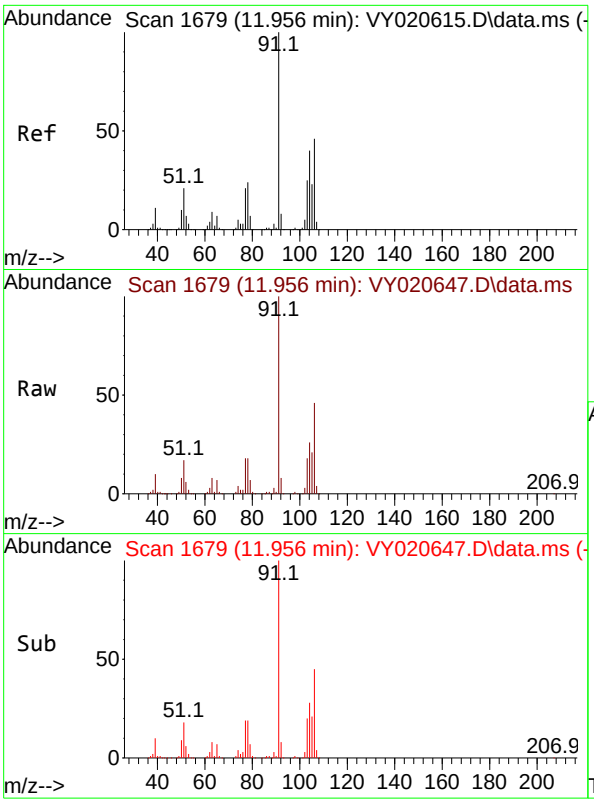


#68
m/p-Xylenes
Concen: 42.880 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:106 Resp: 203604

Ion	Ratio	Lower	Upper
106	100		
91	204.7	165.0	247.4



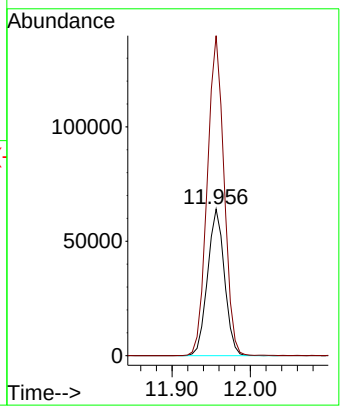


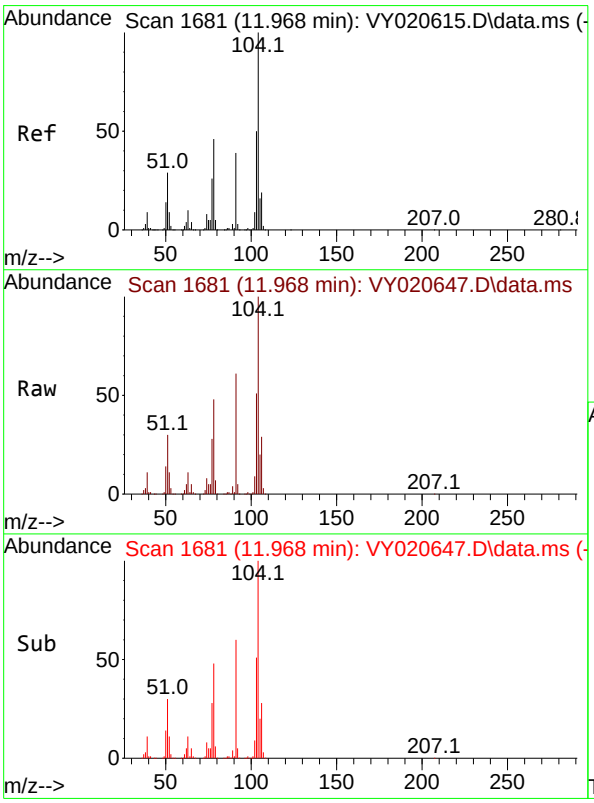
#69
o-Xylene
Concen: 21.650 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:106 Resp: 95914

Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.4	325.2

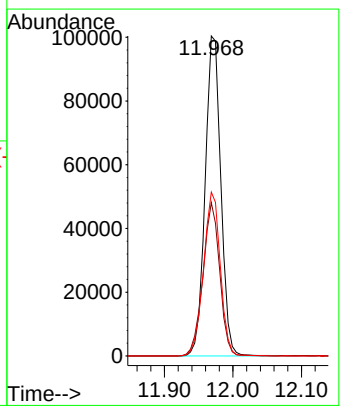


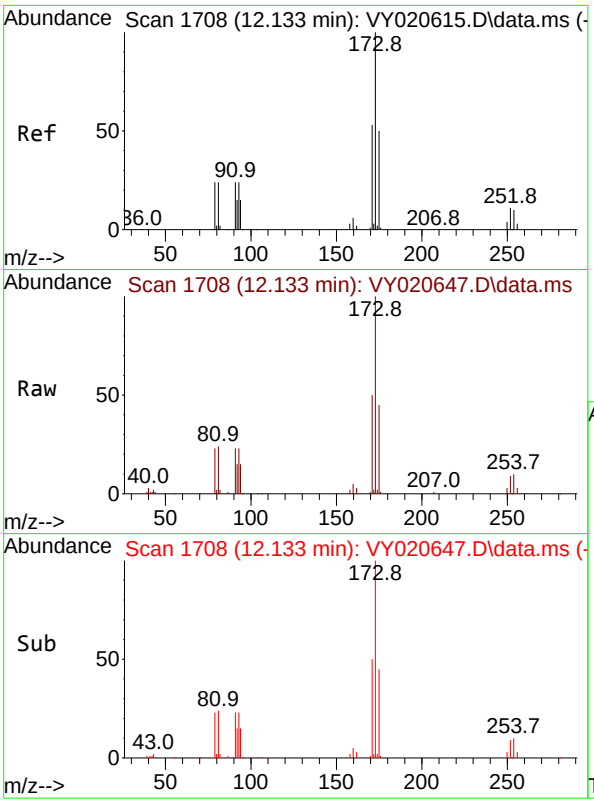


#70
Styrene
Concen: 21.650 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:104 Resp: 160252

Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.6	62.4
103	54.8	43.7	65.5



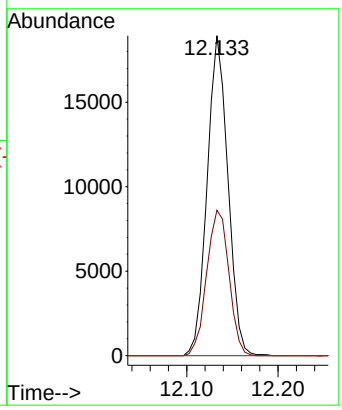


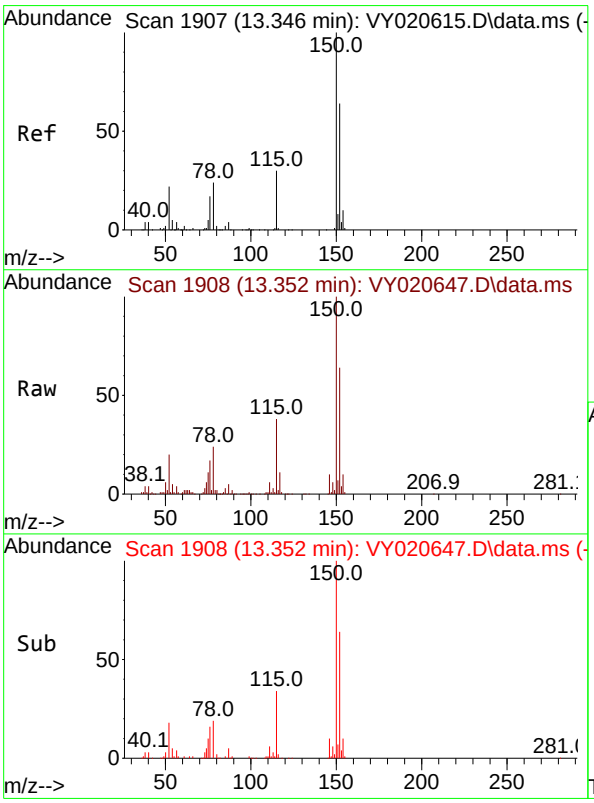
#71
Bromoform
Concen: 22.451 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:173 Resp: 29878

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

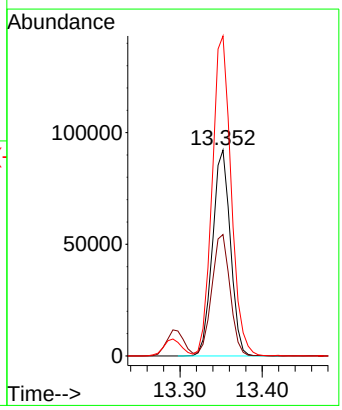


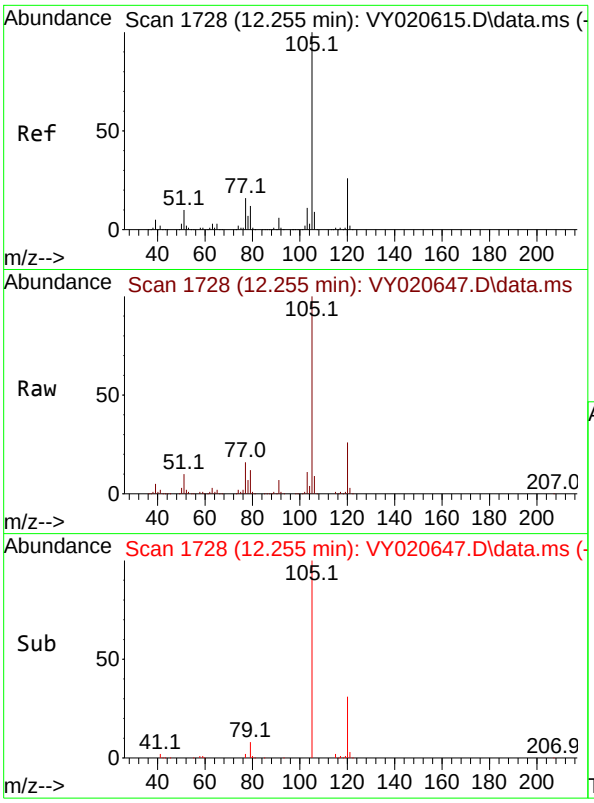


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:152 Resp: 139236

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	164.4	0.0	355.4



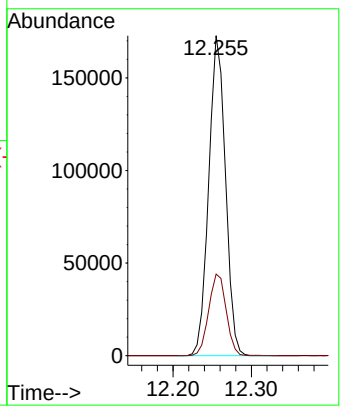


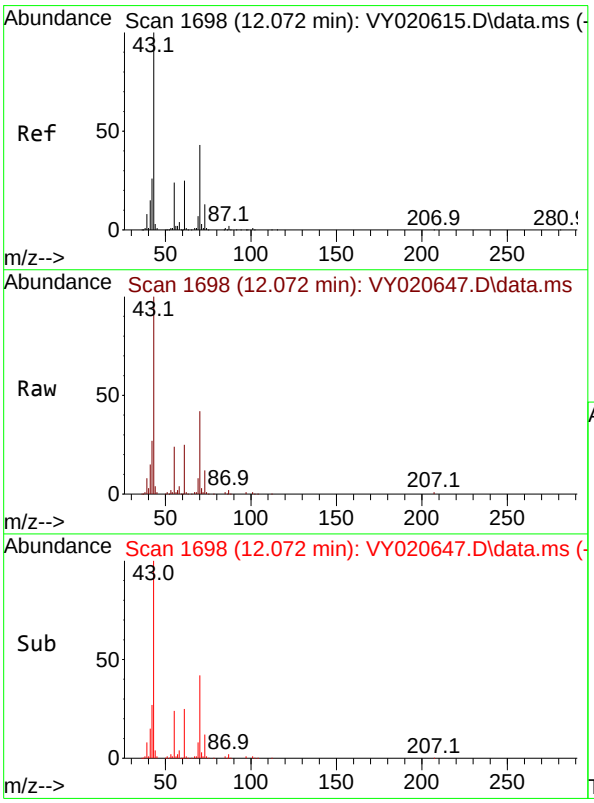
#73
Isopropylbenzene
Concen: 21.076 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:105 Resp: 256085

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

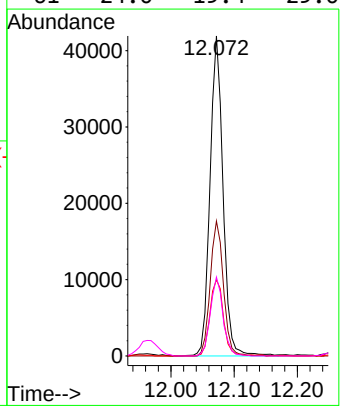


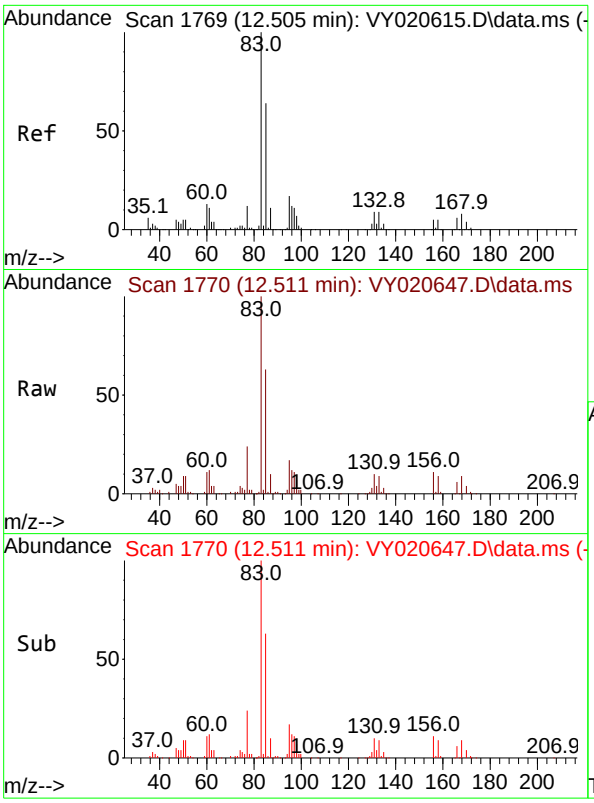


#74
N-amyl acetate
Concen: 21.169 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 43 Resp: 60196

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.6	19.6	29.4
61	24.0	19.4	29.0



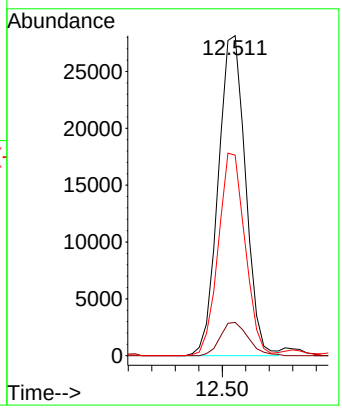


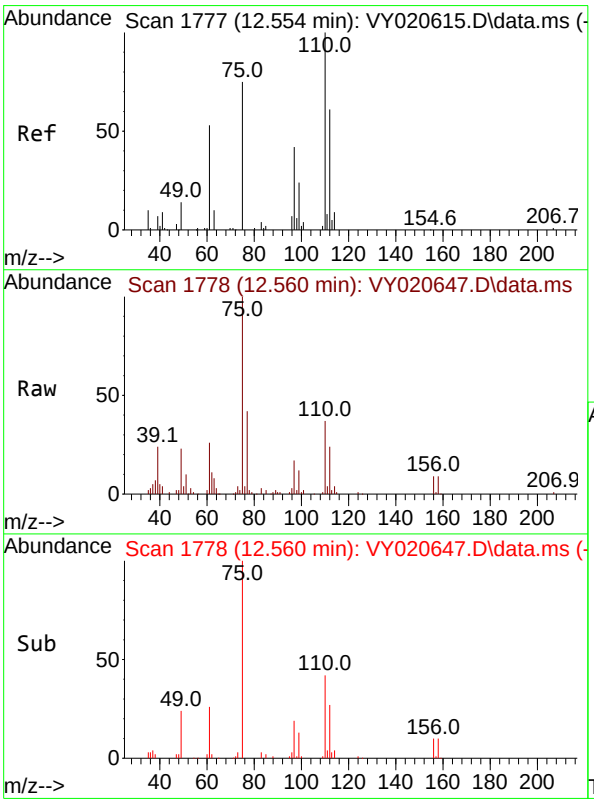
#75
1,1,2,2-Tetrachloroethane
Concen: 22.992 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 83 Resp: 45346

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.5	32.5	97.4

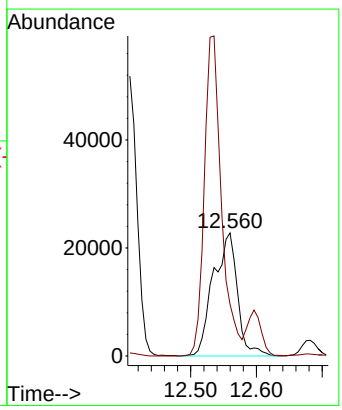


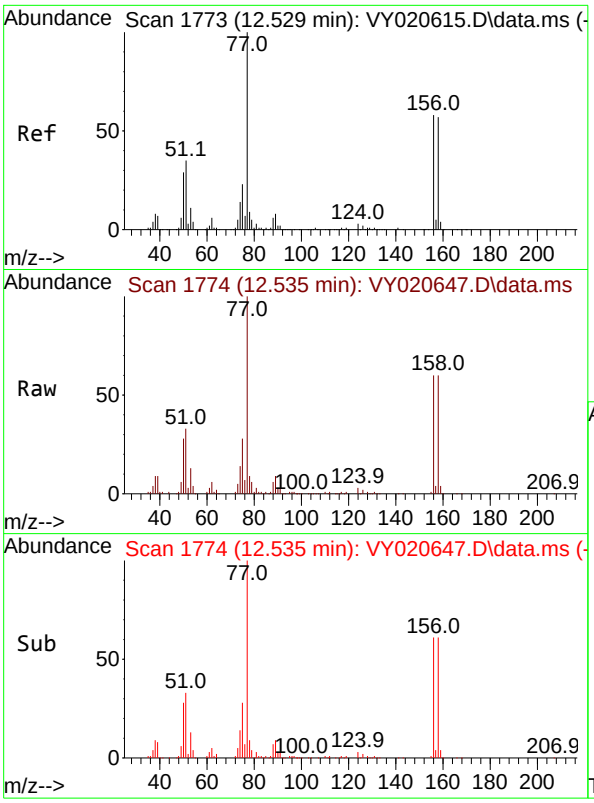


#76
1,2,3-Trichloropropane
Concen: 40.335 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 58340

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



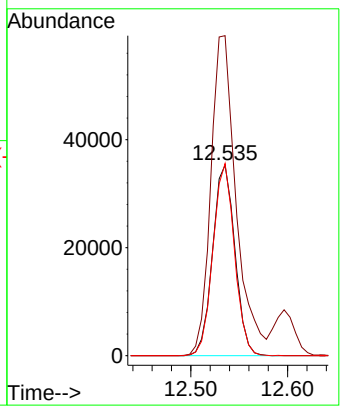


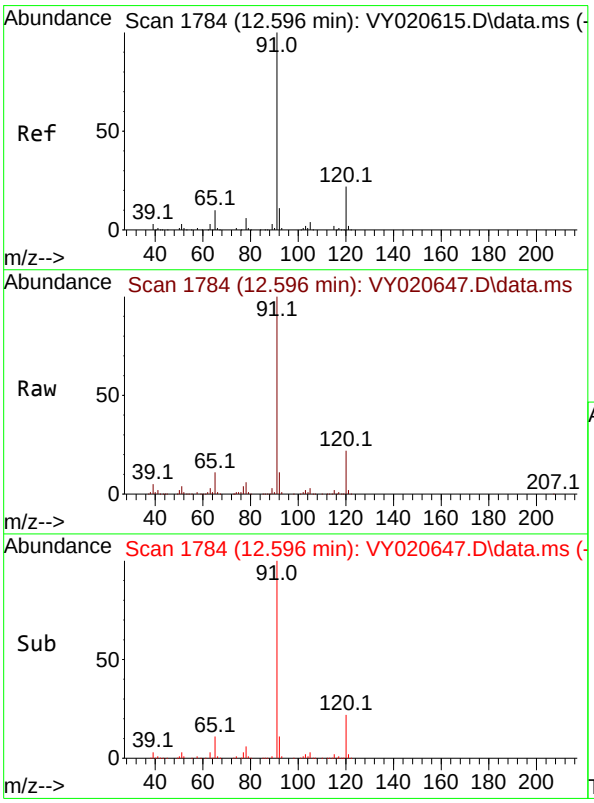
#77
Bromobenzene
Concen: 21.319 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:156 Resp: 56425

Ion	Ratio	Lower	Upper
156	100		
77	191.1	94.2	282.4
158	97.6	48.9	146.6

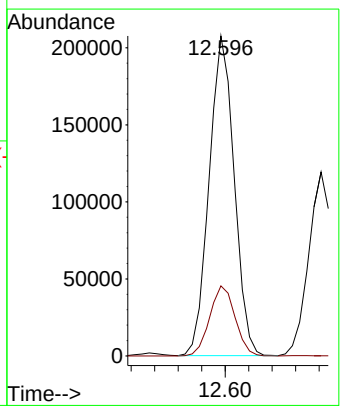


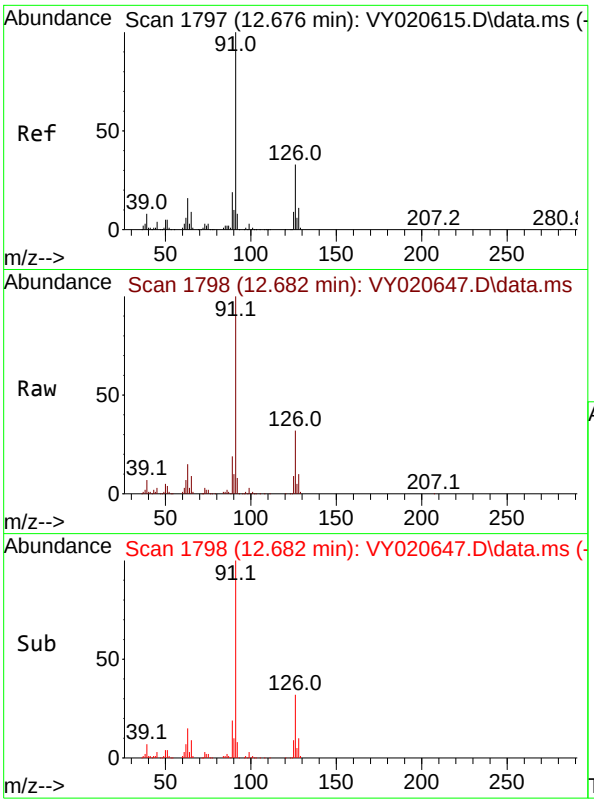


#78
n-propylbenzene
Concen: 20.979 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 307113

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



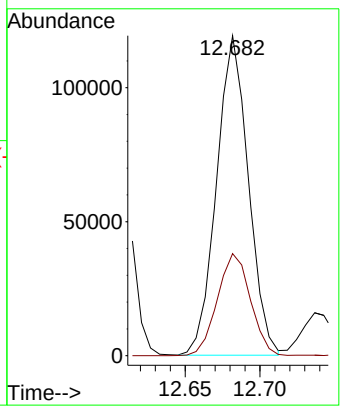


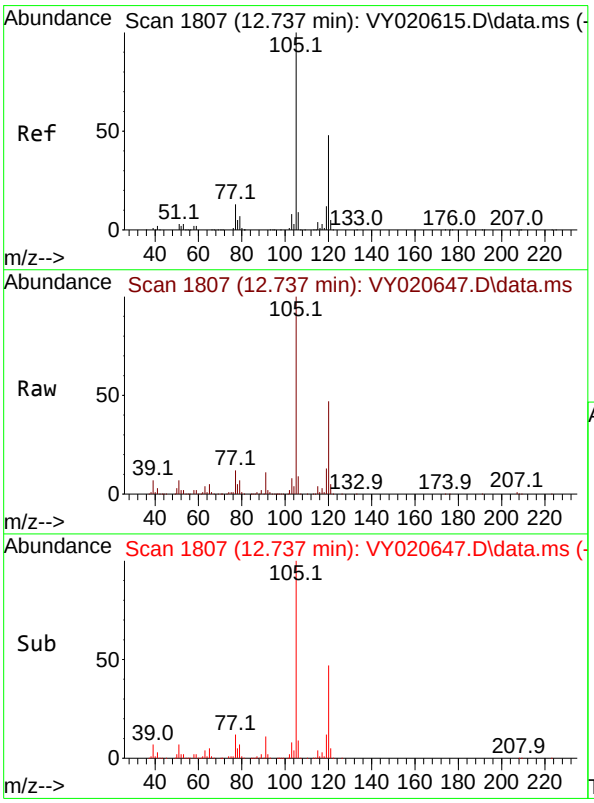
#79
2-Chlorotoluene
Concen: 21.424 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 91 Resp: 176449

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7

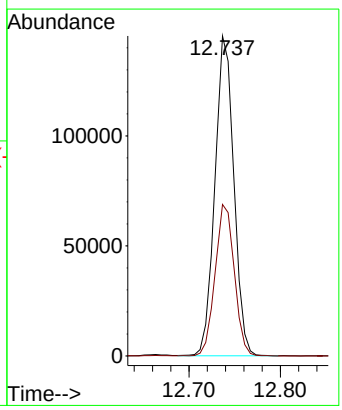


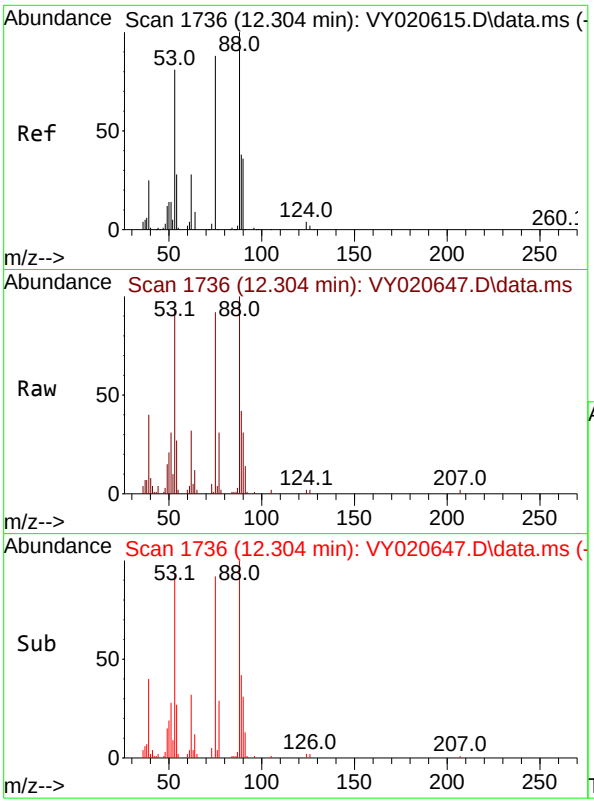


#80
1,3,5-Trimethylbenzene
Concen: 21.209 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 209105

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7



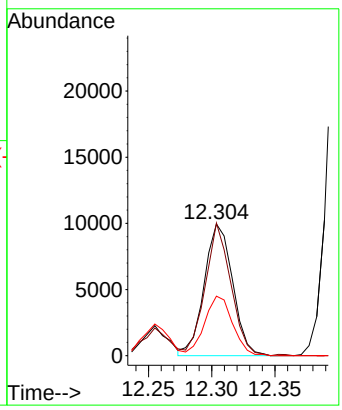


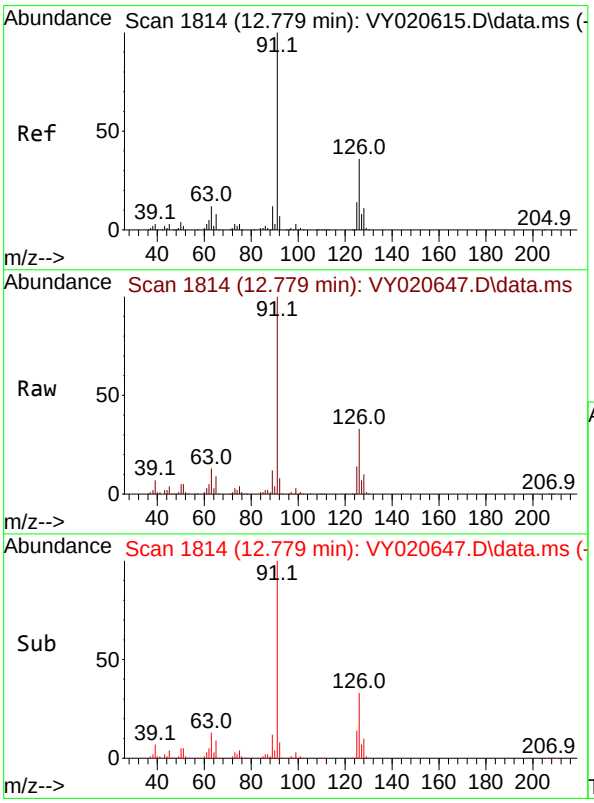
#81
trans-1,4-Dichloro-2-butene
Concen: 22.567 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 75 Resp: 15550

Ion	Ratio	Lower	Upper
75	100		
53	90.1	75.4	113.2
89	44.4	37.0	55.4

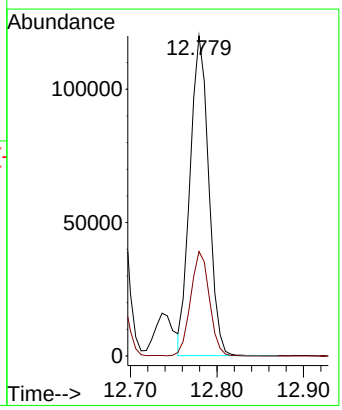


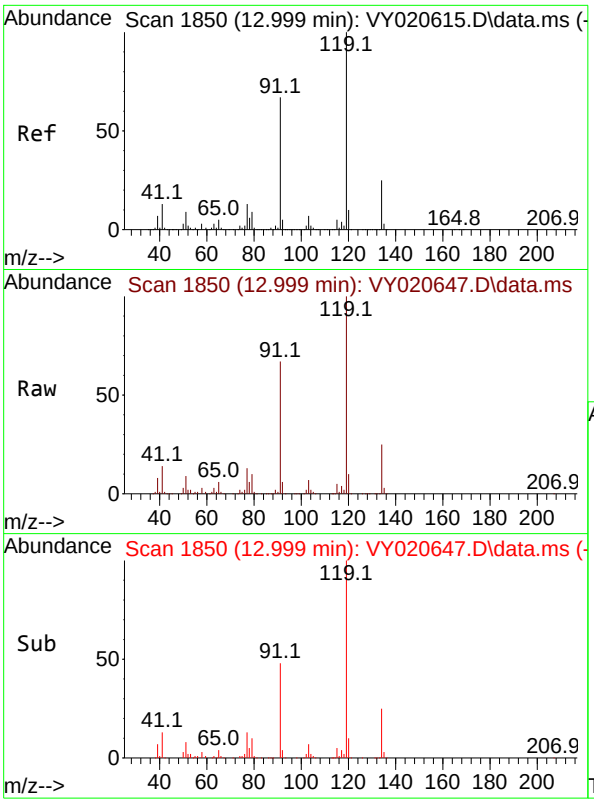


#82
4-Chlorotoluene
Concen: 20.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 91 Resp: 179017

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7



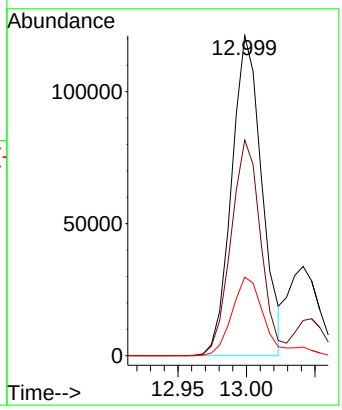


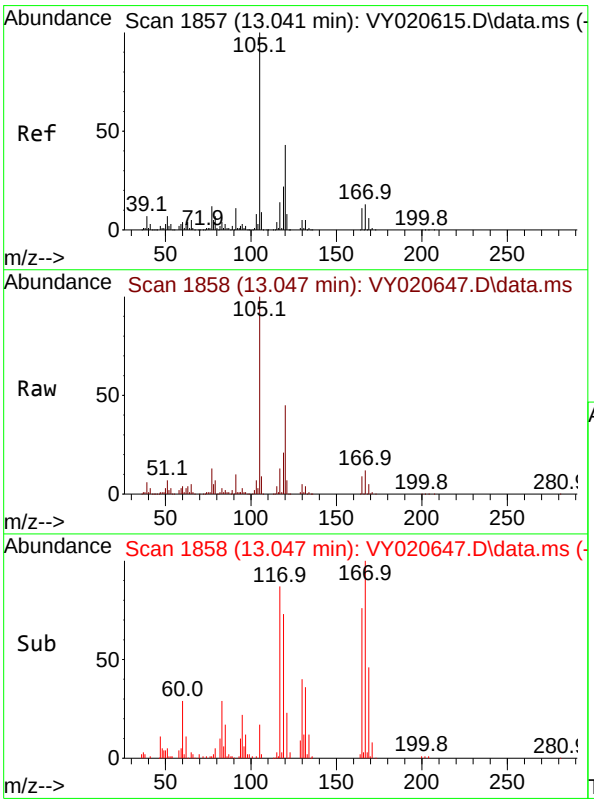
#83
tert-Butylbenzene
Concen: 20.822 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:119 Resp: 185911

Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.9	98.6
134	27.1	13.1	39.1

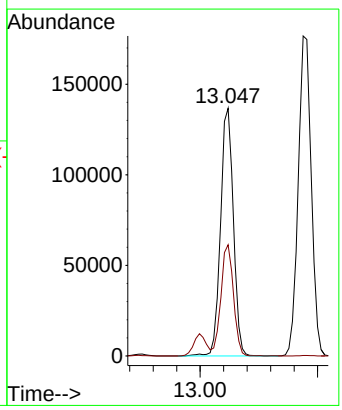


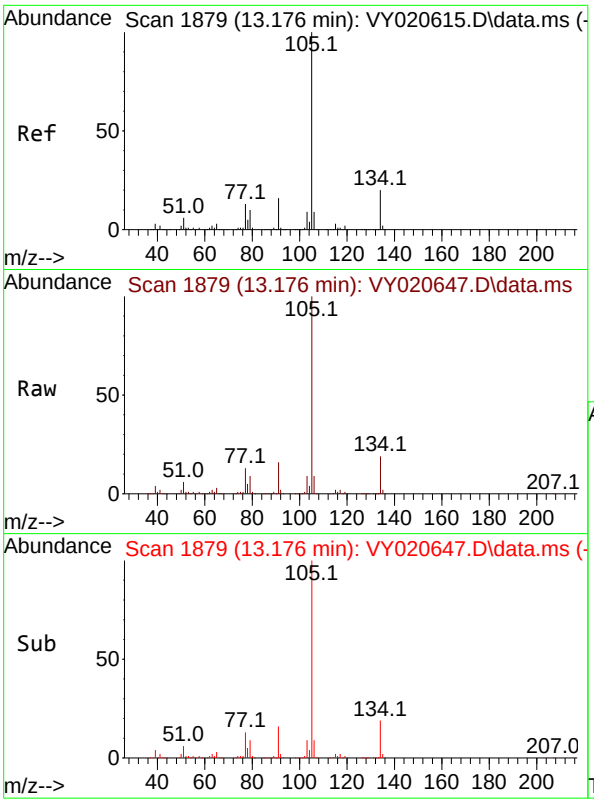


#84
1,2,4-Trimethylbenzene
Concen: 21.430 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:105 Resp: 207246

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4



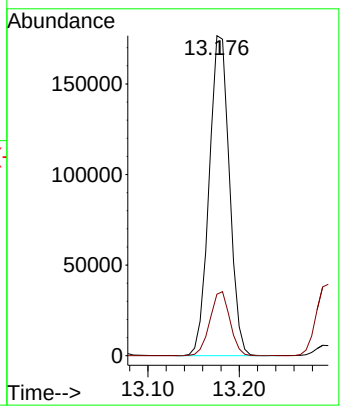


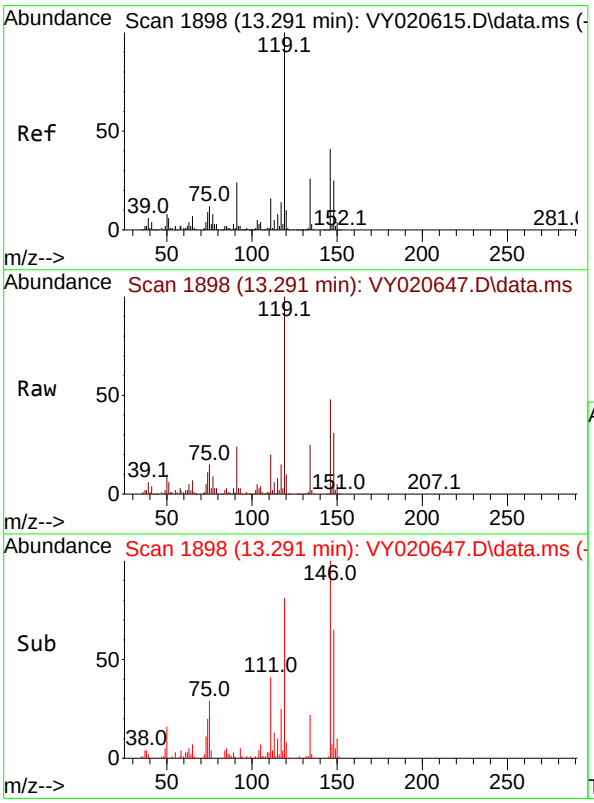
#85
sec-Butylbenzene
Concen: 20.926 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:105 Resp: 271663

Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	30.0

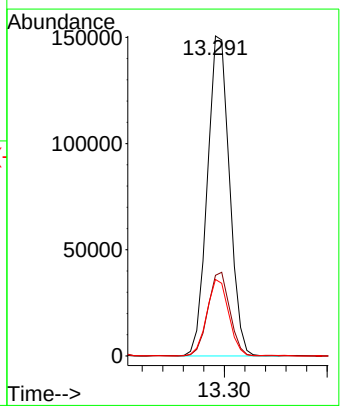


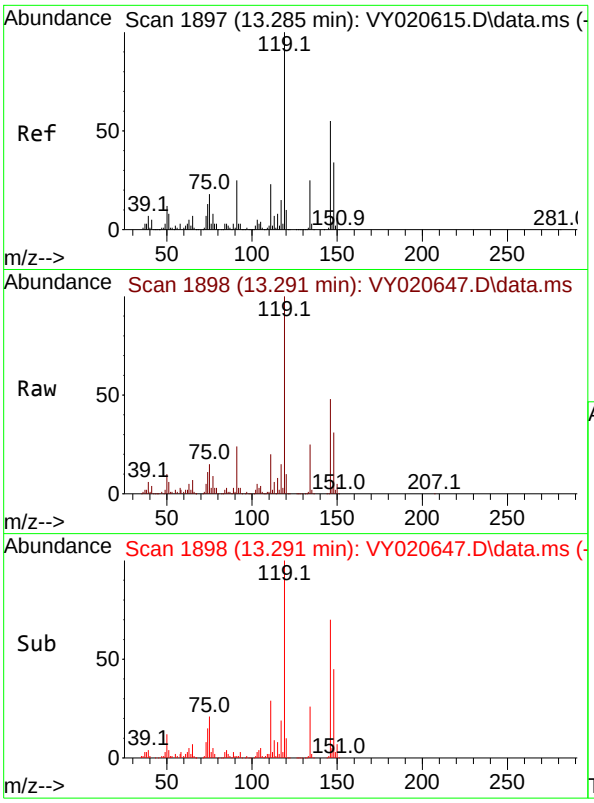


#86
p-Isopropyltoluene
Concen: 21.022 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:119 Resp: 225018

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.7	12.1	36.3



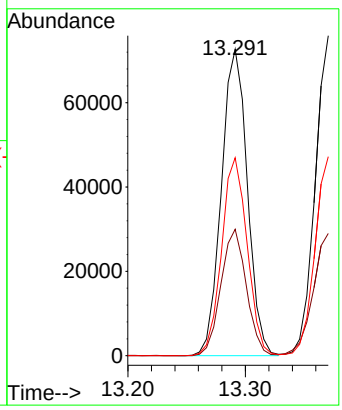


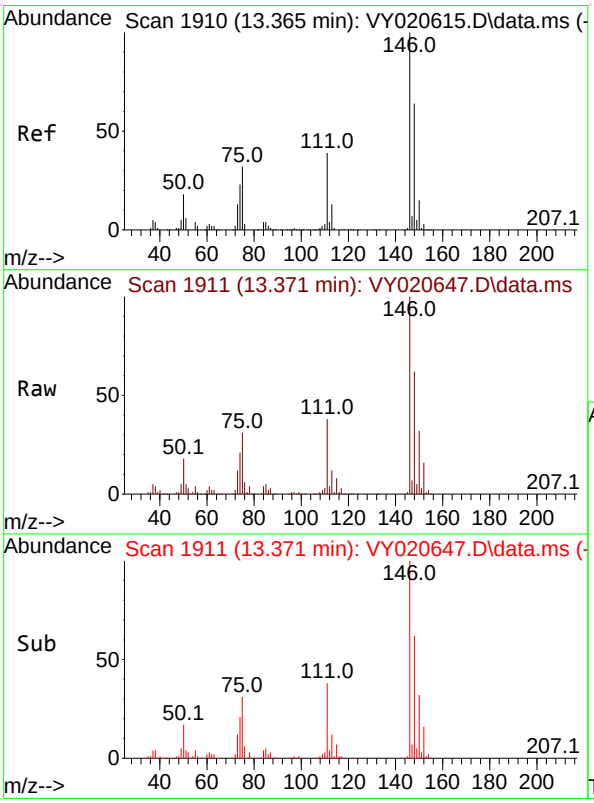
#87
1,3-Dichlorobenzene
Concen: 21.373 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:146 Resp: 111668

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.6	31.4	94.0

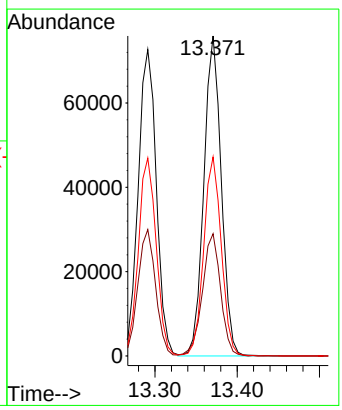


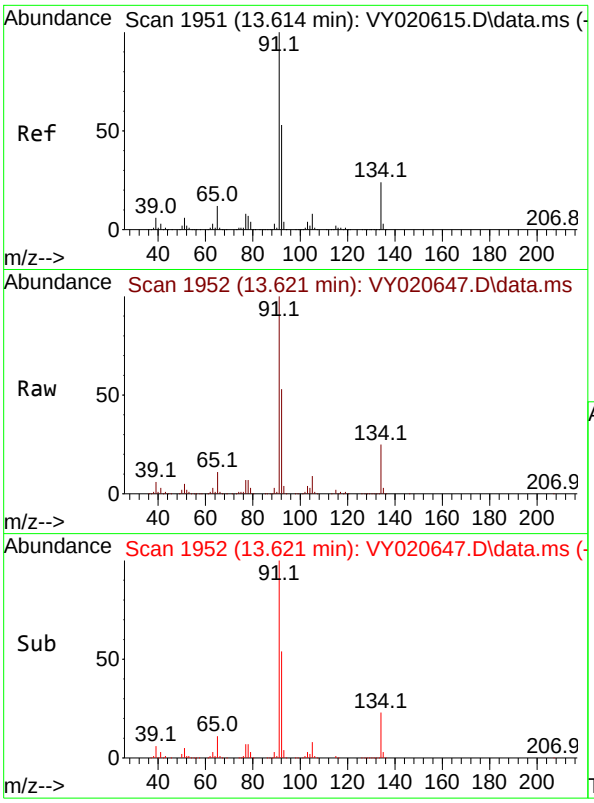


#88
1,4-Dichlorobenzene
Concen: 21.614 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:146 Resp: 111847

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	62.8	31.9	95.5



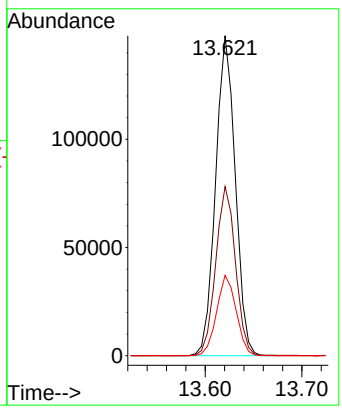


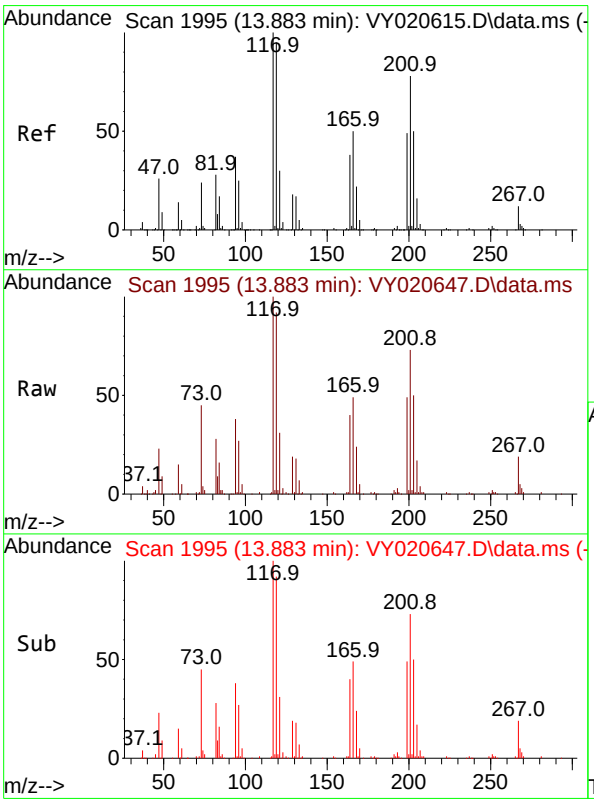
#89
n-Butylbenzene
Concen: 20.555 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion: 91 Resp: 208511

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.0	12.5	37.5

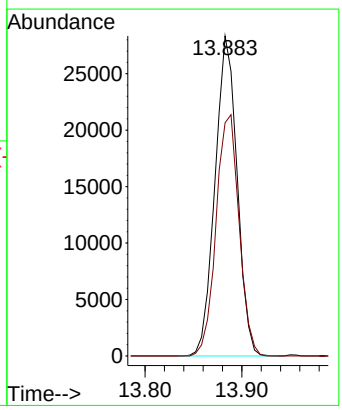


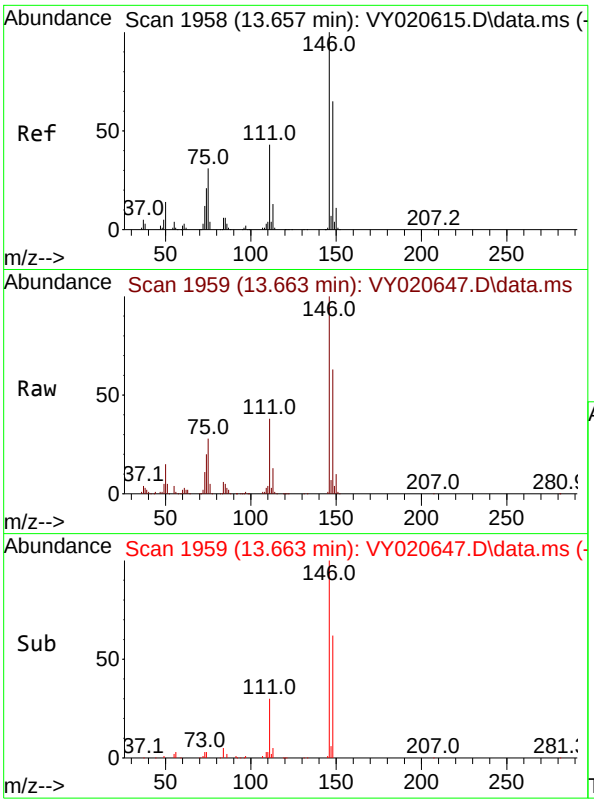


#90
Hexachloroethane
Concen: 21.182 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:117 Resp: 44930

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3



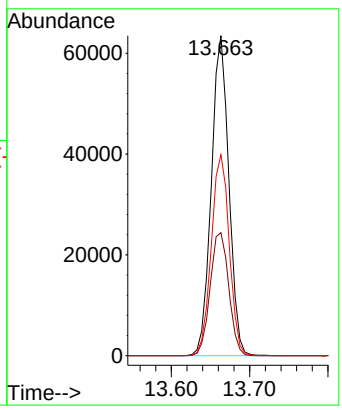


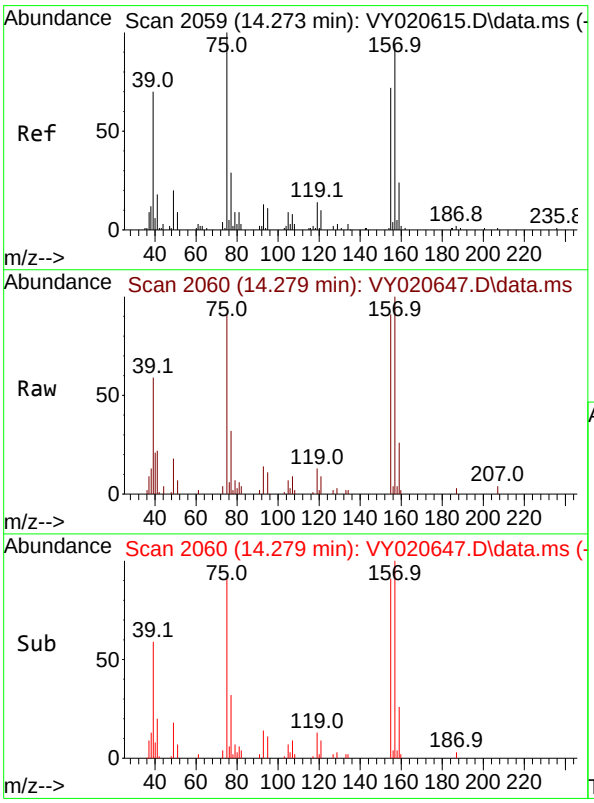
#91
1,2-Dichlorobenzene
Concen: 21.760 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:146 Resp: 98502

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.7
148	64.4	32.0	96.0

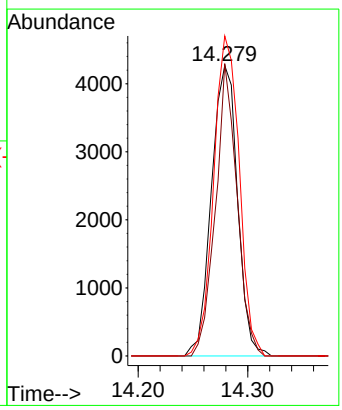


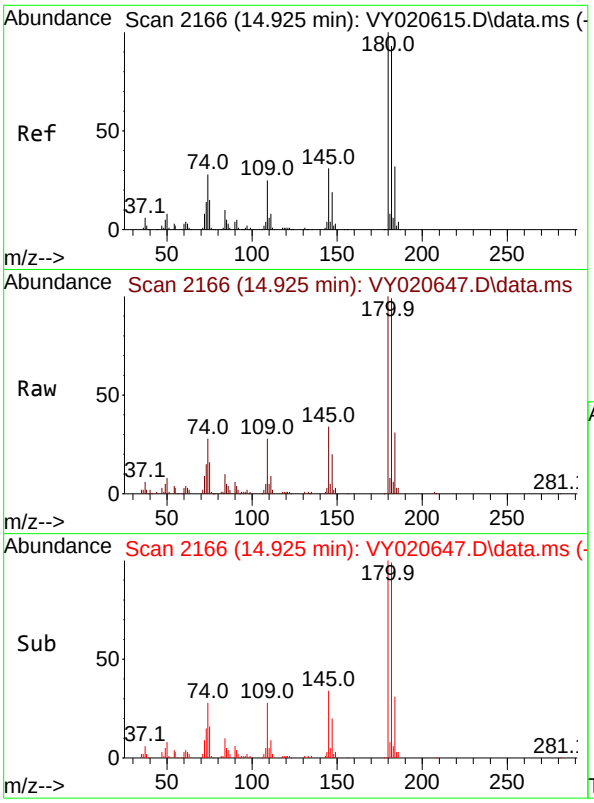


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.979 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion: 75 Resp: 7038

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.3
157	108.3	52.9	158.8



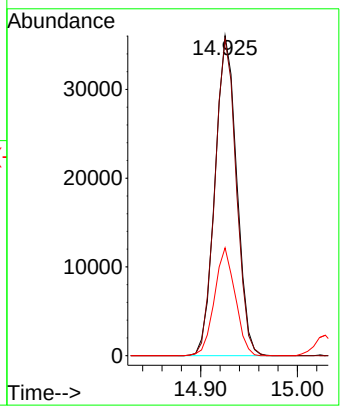


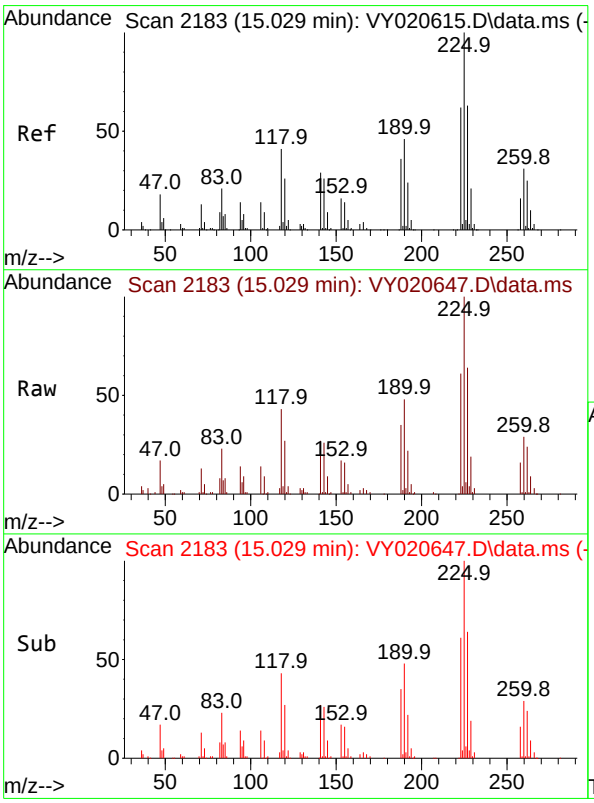
#93
1,2,4-Trichlorobenzene
Concen: 20.396 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:180 Resp: 55848

Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.6
145	32.3	15.6	46.7

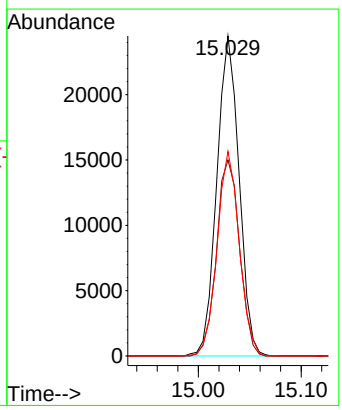


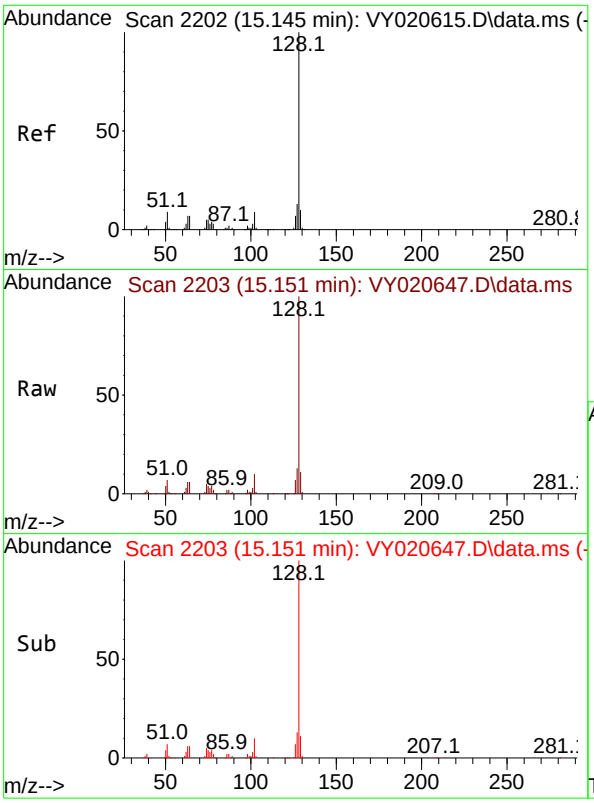


#94
Hexachlorobutadiene
Concen: 20.546 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:225 Resp: 36777

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.8	95.3
227	63.7	32.2	96.6



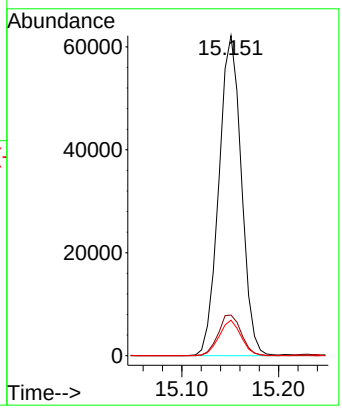


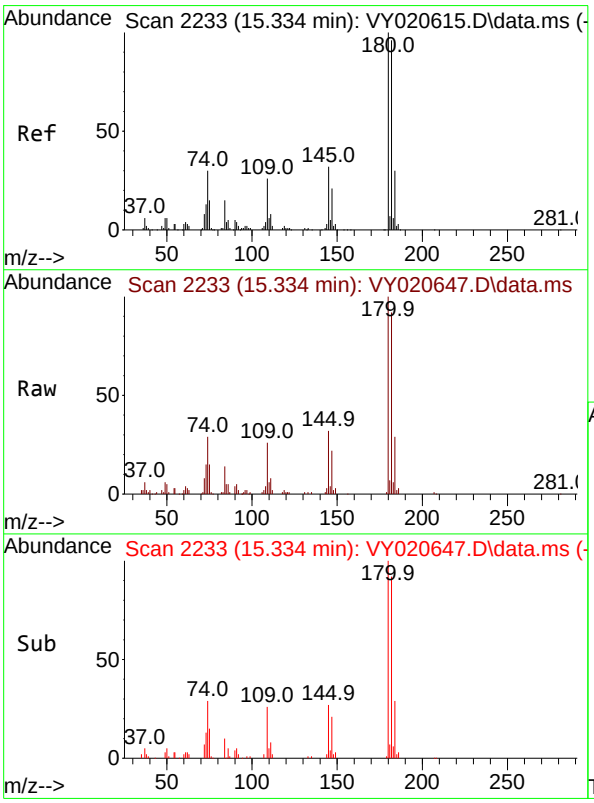
#95
Naphthalene
Concen: 21.370 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Tgt Ion:128 Resp: 100318

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.8	8.5	12.7

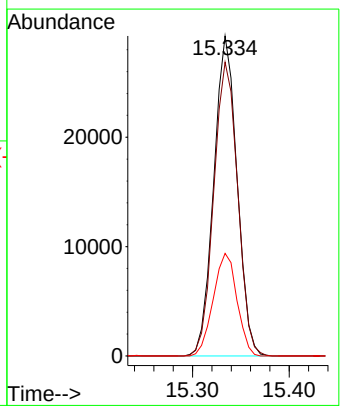




#96
1,2,3-Trichlorobenzene
Concen: 21.109 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY020647.D
Acq: 19 Dec 2024 11:53

Tgt Ion:180 Resp: 48835

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	32.6	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 00:58:31 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	308413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	528371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	462730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165446	48.981	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.960%			
35) Dibromofluoromethane	7.634	113	181222	48.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.340%			
50) Toluene-d8	10.109	98	674087	51.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.408	95	224262	43.986	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75261	19.537	ug/l	96
3) Chloromethane	2.068	50	57722	20.223	ug/l	98
4) Vinyl Chloride	2.208	62	53409	20.104	ug/l	97
5) Bromomethane	2.598	94	35632	20.866	ug/l	98
6) Chloroethane	2.739	64	32721	19.932	ug/l	99
7) Trichlorofluoromethane	3.062	101	106120	19.091	ug/l	100
8) Diethyl Ether	3.458	74	40479	20.764	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	82334	20.664	ug/l	99
10) Methyl Iodide	4.007	142	110838	24.986	ug/l	98
11) Tert butyl alcohol	4.866	59	23935	41.062	ug/l	98
12) 1,1-Dichloroethene	3.793	96	84608	21.885	ug/l	99
13) Acrolein	3.659	56	8888	55.648	ug/l	99
14) Allyl chloride	4.391	41	151793	22.407	ug/l	99
15) Acrylonitrile	5.061	53	81639	87.534	ug/l	98
16) Acetone	3.873	43	58873	83.445	ug/l	97
17) Carbon Disulfide	4.110	76	279766	22.232	ug/l	100
18) Methyl Acetate	4.385	43	44378	19.310	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215375	21.584	ug/l	98
20) Methylene Chloride	4.616	84	97448	23.204	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	98887	22.803	ug/l	98
22) Diisopropyl ether	6.025	45	335366	24.389	ug/l	98
23) Vinyl Acetate	5.964	43	782554	100.483	ug/l	99
24) 1,1-Dichloroethane	5.915	63	193633	24.037	ug/l	100
25) 2-Butanone	6.896	43	102968	82.027	ug/l	95
26) 2,2-Dichloropropane	6.890	77	105366	13.836	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	117949	23.640	ug/l	95
28) Bromochloromethane	7.244	49	67567	24.867	ug/l	99
29) Tetrahydrofuran	7.262	42	69047	87.132	ug/l	99
30) Chloroform	7.427	83	196092	21.191	ug/l	98
31) Cyclohexane	7.707	56	151108	19.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	166740	22.530	ug/l	100
36) 1,1-Dichloropropene	7.835	75	130429	19.208	ug/l	99
37) Ethyl Acetate	6.988	43	49241	15.417	ug/l	99
38) Carbon Tetrachloride	7.817	117	147544	19.640	ug/l	98
39) Methylcyclohexane	9.109	83	155084	17.524	ug/l	99
40) Benzene	8.079	78	429196	21.564	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 00:58:31 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	24211	14.338	ug/l		93
42) 1,2-Dichloroethane	8.158	62	104508	19.798	ug/l		99
43) Isopropyl Acetate	8.195	43	104020	17.203	ug/l		98
44) Trichloroethene	8.866	130	99674	20.381	ug/l		98
45) 1,2-Dichloropropane	9.140	63	100644	21.636	ug/l		98
46) Dibromomethane	9.231	93	47401	19.282	ug/l		99
47) Bromodichloromethane	9.426	83	142143	21.405	ug/l		98
48) Methyl methacrylate	9.219	41	46742	16.260	ug/l		94
49) 1,4-Dioxane	9.231	88	8978	318.450	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	252688	79.170	ug/l		99
52) Toluene	10.170	92	261457	21.138	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	110607	17.875	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	141161	19.252	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	62521	19.236	ug/l		97
56) Ethyl methacrylate	10.438	69	86453	18.335	ug/l		99
57) 1,3-Dichloropropane	10.713	76	112565	19.428	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	171913	86.648	ug/l		99
59) 2-Hexanone	10.762	43	162442	79.270	ug/l		99
60) Dibromochloromethane	10.908	129	87357	20.097	ug/l		97
61) 1,2-Dibromoethane	11.012	107	56777	18.780	ug/l		99
64) Tetrachloroethene	10.646	164	84956	19.519	ug/l		97
65) Chlorobenzene	11.438	112	279078	21.570	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	98377	22.236	ug/l		99
67) Ethyl Benzene	11.518	91	505339	21.171	ug/l		100
68) m/p-Xylenes	11.627	106	372689	41.993	ug/l		100
69) o-Xylene	11.957	106	178843	21.597	ug/l		97
70) Styrene	11.969	104	304930	22.040	ug/l		99
71) Bromoform	12.133	173	46403	18.655	ug/l	#	100
73) Isopropylbenzene	12.255	105	465228	24.793	ug/l		100
74) N-amyl acetate	12.072	43	91294	20.789	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	66021	21.676	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	82002	36.712	ug/l	#	100
77) Bromobenzene	12.530	156	104296	25.517	ug/l		97
78) n-propylbenzene	12.597	91	553504	24.484	ug/l		100
79) 2-Chlorotoluene	12.682	91	323466	25.431	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	382148	25.099	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	17473	16.420	ug/l		98
82) 4-Chlorotoluene	12.780	91	331880	25.151	ug/l		100
83) tert-Butylbenzene	12.999	119	340217	24.673	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	381099	25.518	ug/l		100
85) sec-Butylbenzene	13.176	105	476911	23.788	ug/l		100
86) p-Isopropyltoluene	13.292	119	401897	24.313	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	203420	25.211	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	197059	24.659	ug/l		99
89) n-Butylbenzene	13.621	91	364597	23.273	ug/l		99
90) Hexachloroethane	13.883	117	83352	25.445	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	176385	25.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9475	19.161	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	96481	22.816	ug/l		99
94) Hexachlorobutadiene	15.023	225	64124	23.197	ug/l		99
95) Naphthalene	15.145	128	148643	20.504	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	81895	22.922	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 00:58:31 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)

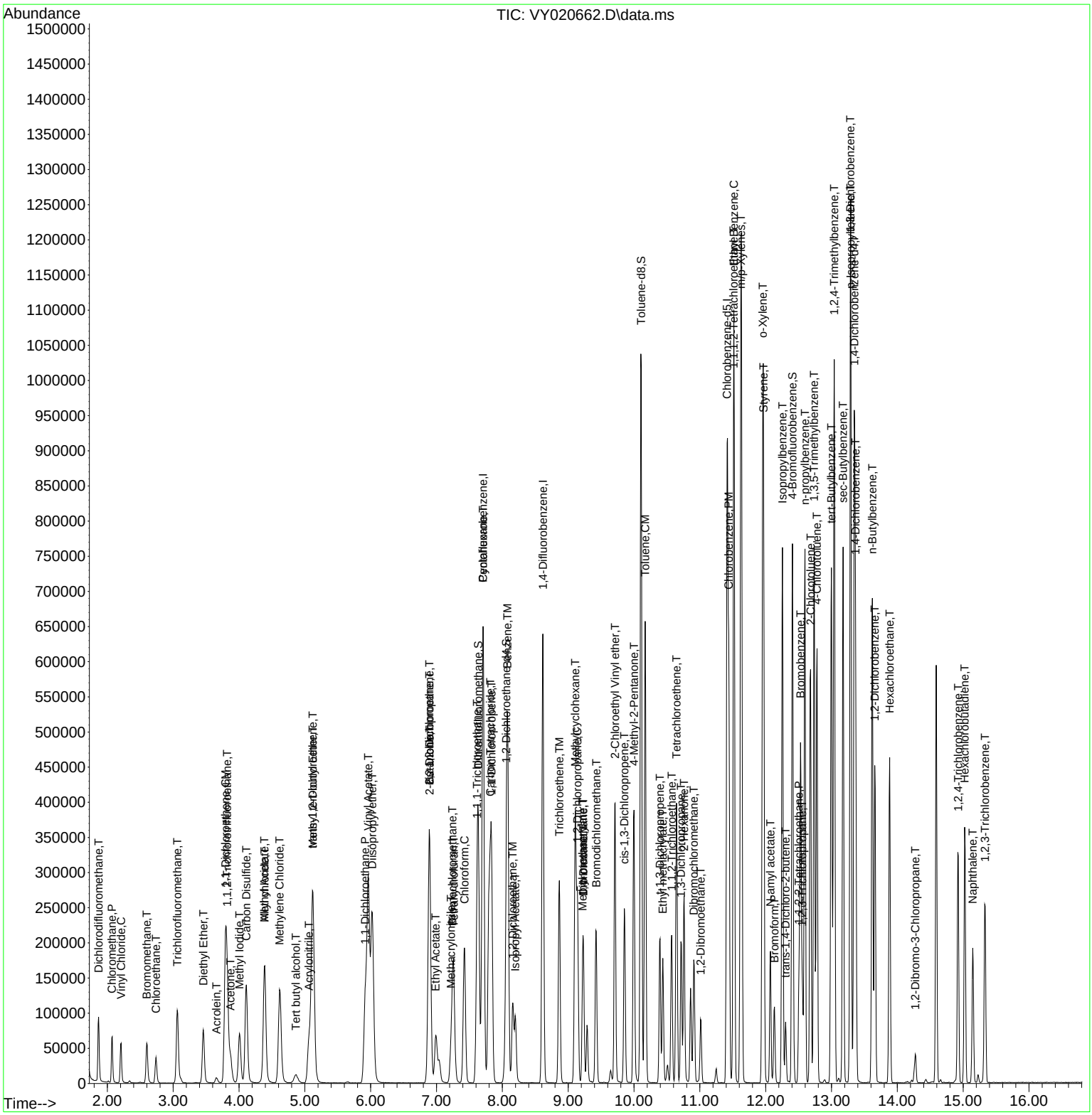
(#) = qualifier out of range (m) = manual integration (+) = signals summed

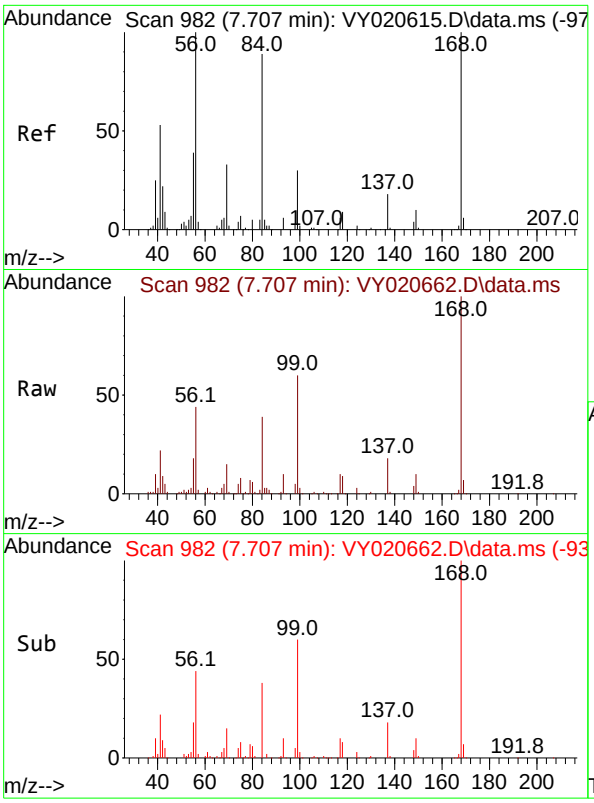
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
Data File : VY020662.D
Acq On : 19 Dec 2024 17:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 00:58:31 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



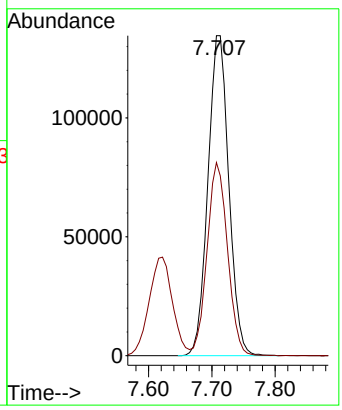


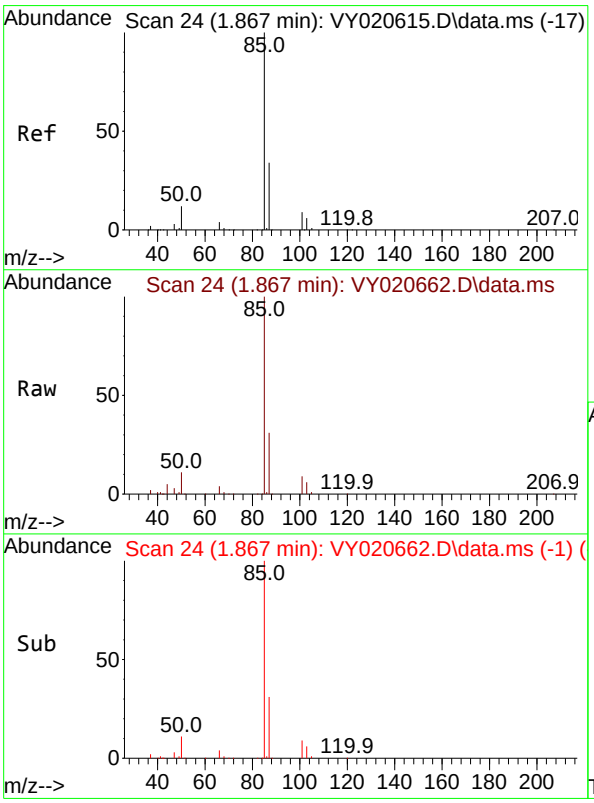
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 308413

Ion	Ratio	Lower	Upper
168	100		
99	60.4	47.0	70.6

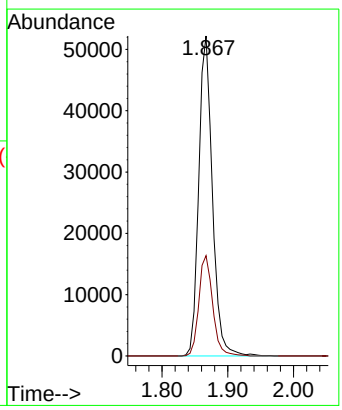


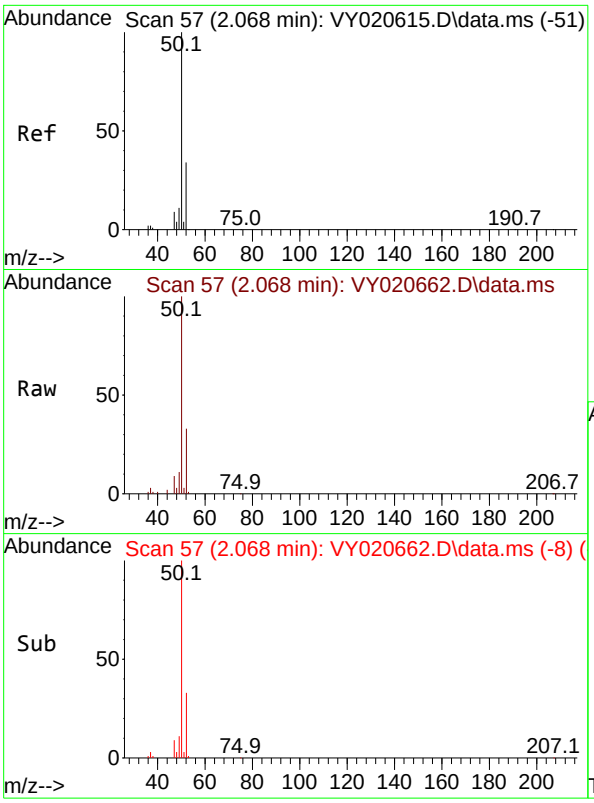


#2
Dichlorodifluoromethane
Concen: 19.537 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 85 Resp: 75261

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.8	50.3



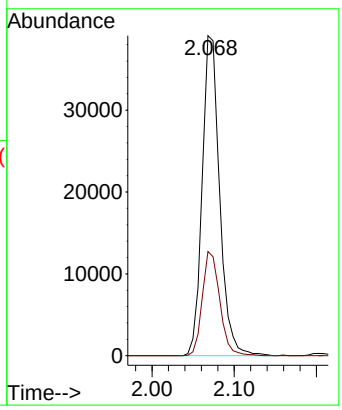


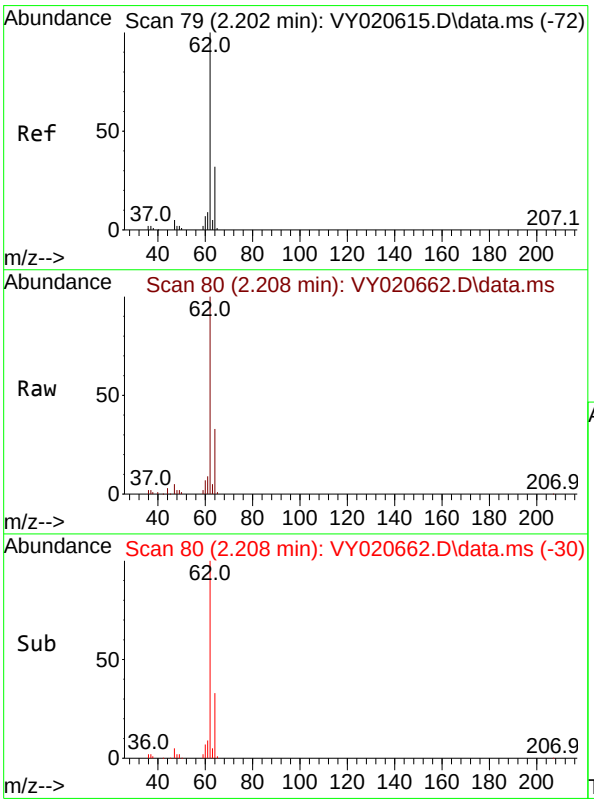
#3
Chloromethane
Concen: 20.223 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 57722

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

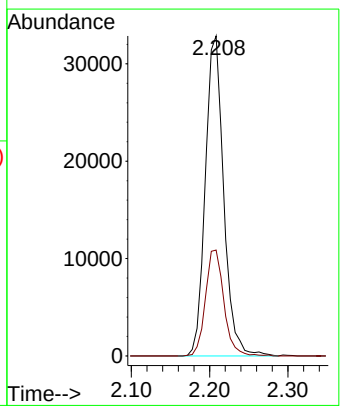


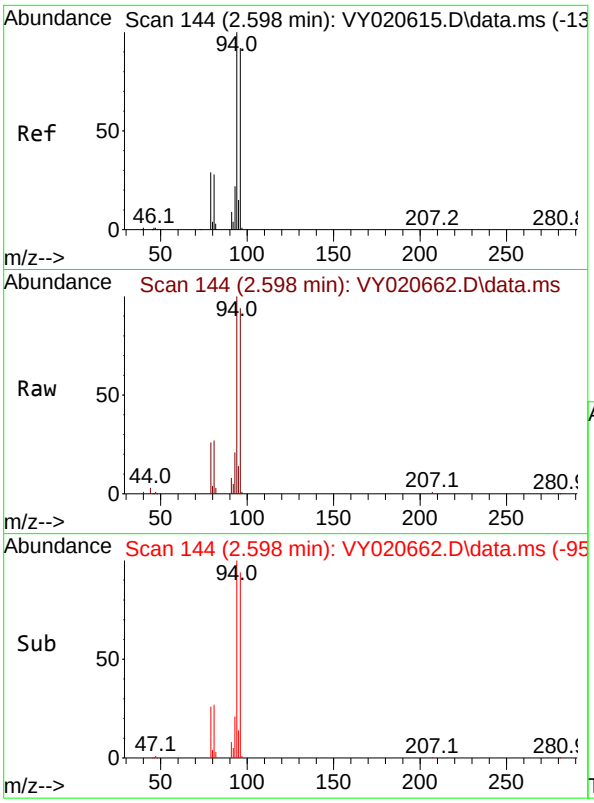


#4
Vinyl Chloride
Concen: 20.104 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 62 Resp: 53409

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.3	37.9



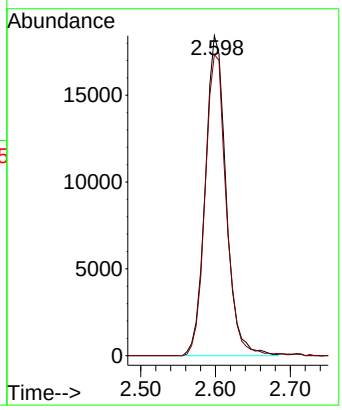


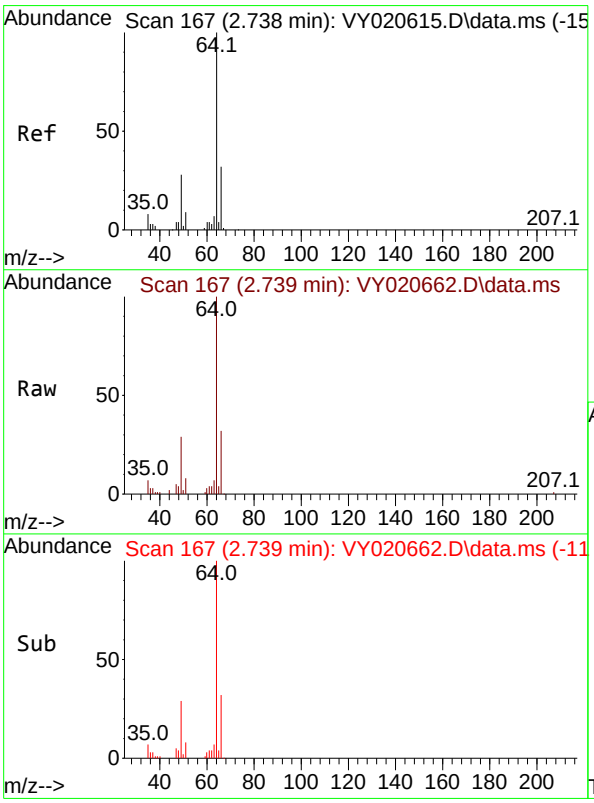
#5
Bromomethane
Concen: 20.866 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 35632

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.8	110.6

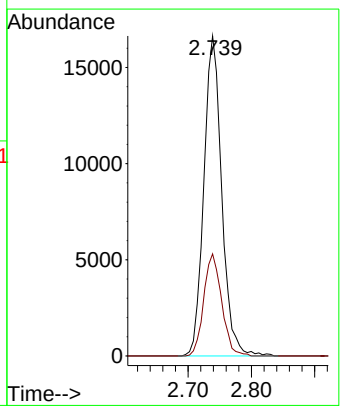


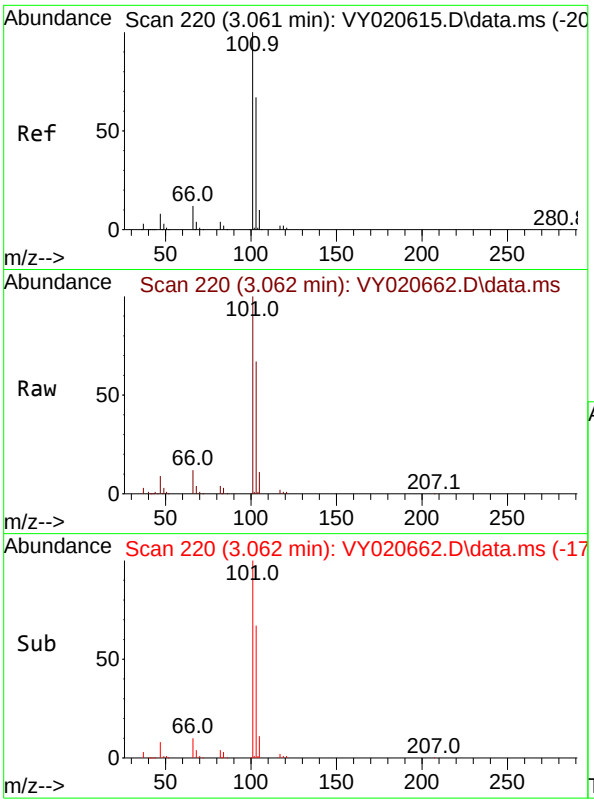


#6
Chloroethane
Concen: 19.932 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 64 Resp: 32721

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.8	38.6



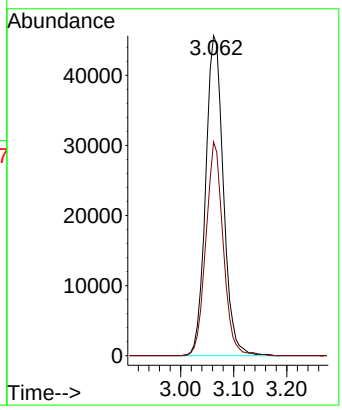


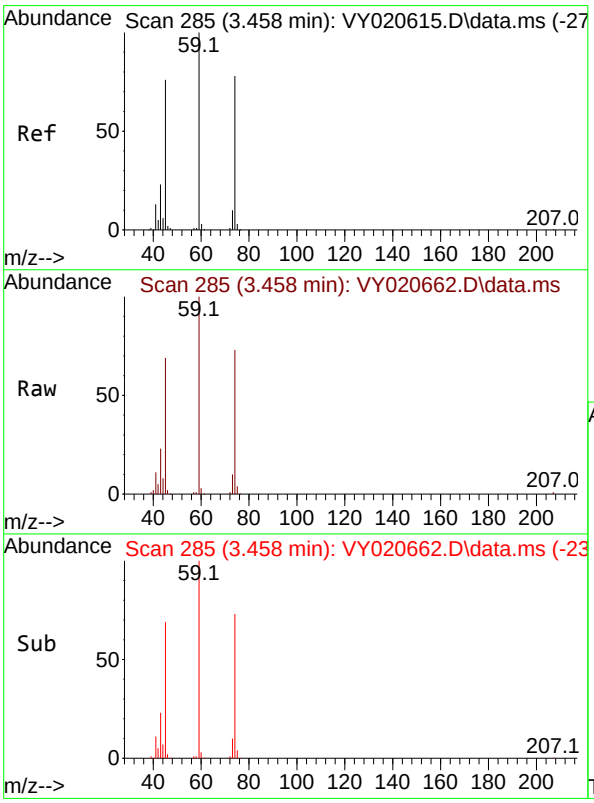
#7
Trichlorofluoromethane
Concen: 19.091 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 106120

Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.4	80.0

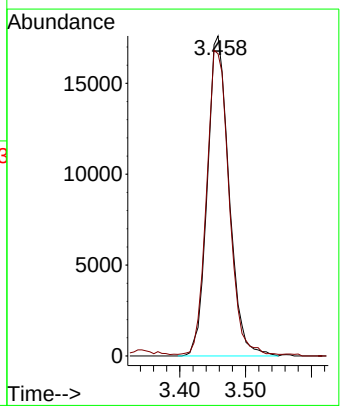


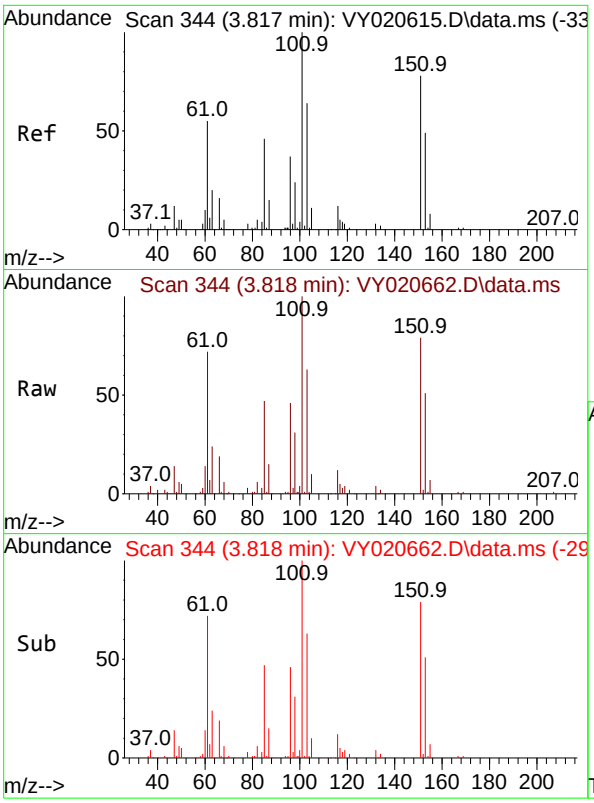


#8
Diethyl Ether
Concen: 20.764 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 74 Resp: 40479

Ion	Ratio	Lower	Upper
74	100		
45	97.2	49.0	147.2



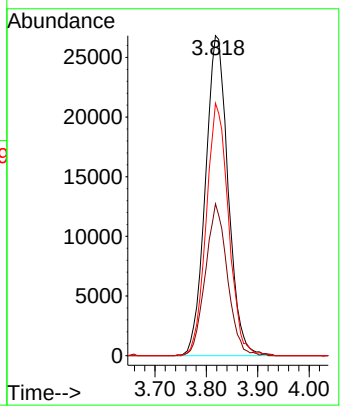


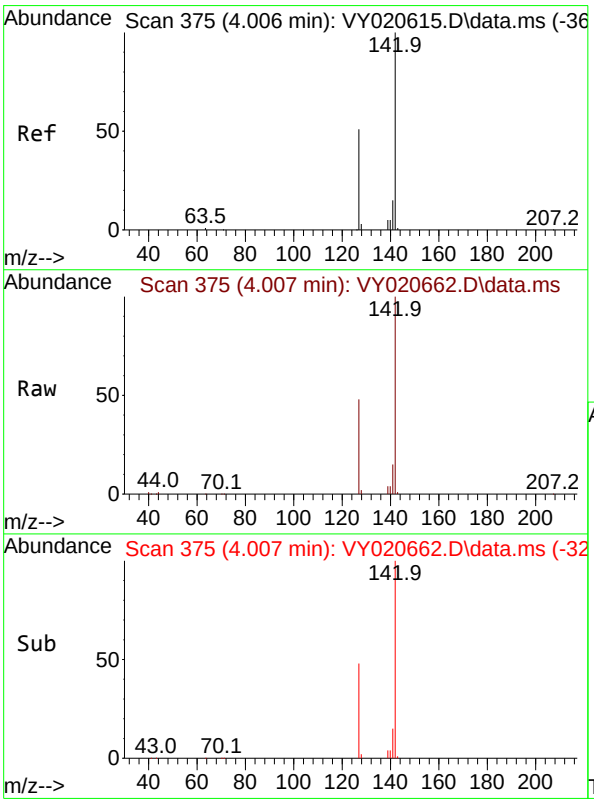
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.664 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 82334

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.6	54.8
151	77.7	61.5	92.3

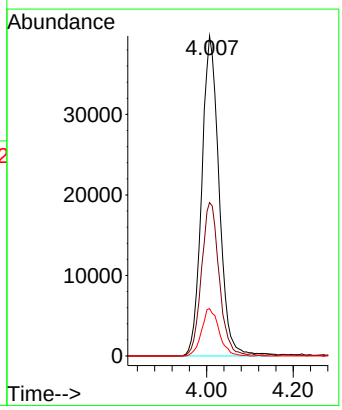


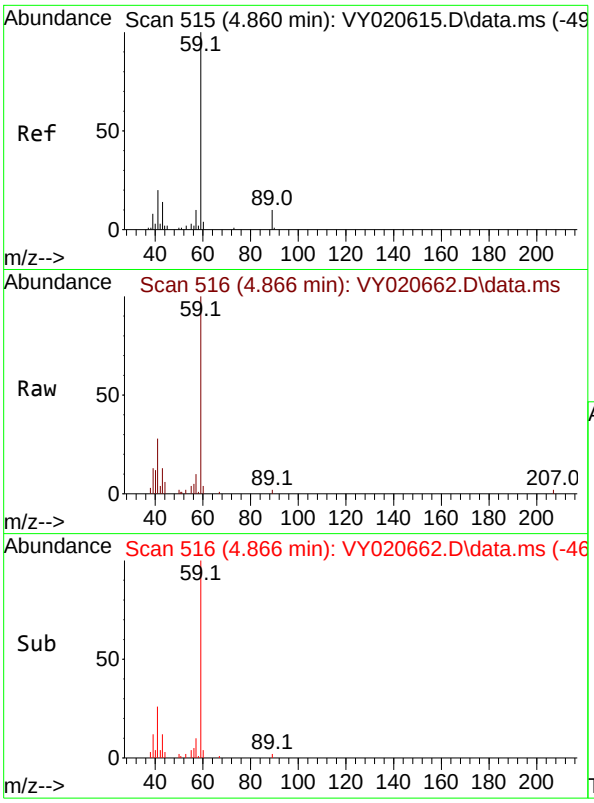


#10
Methyl Iodide
Concen: 24.986 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:142 Resp: 110838

Ion	Ratio	Lower	Upper
142	100		
127	48.9	40.6	61.0
141	14.9	11.7	17.5



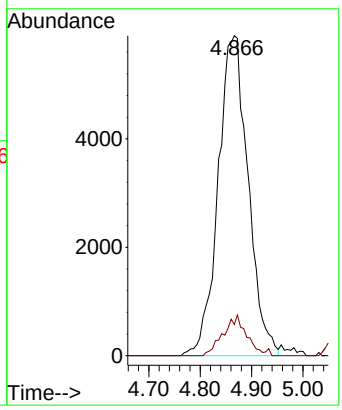


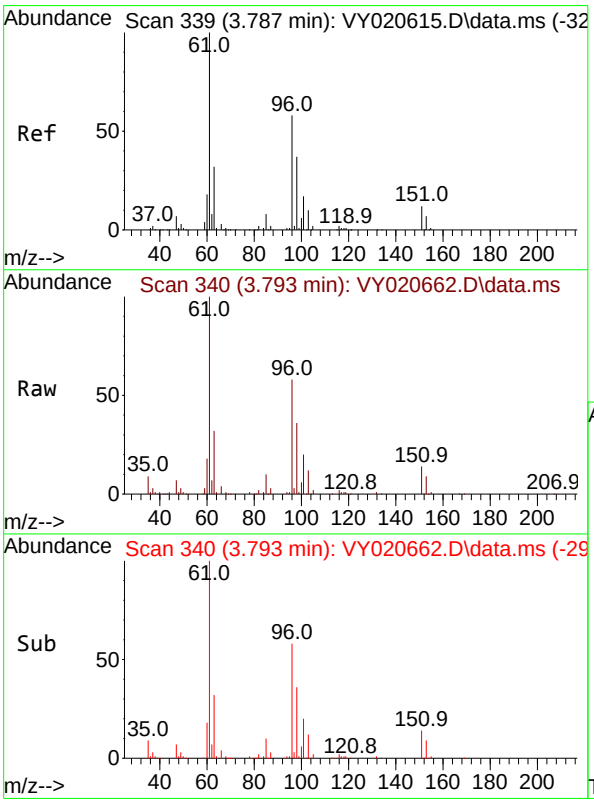
#11
Tert butyl alcohol
Concen: 41.062 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 23935

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0

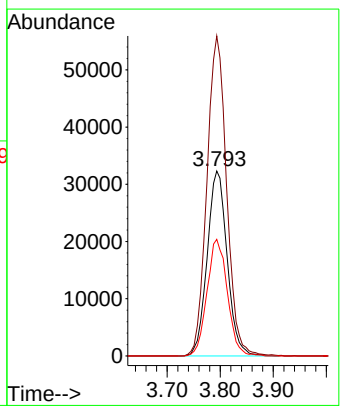


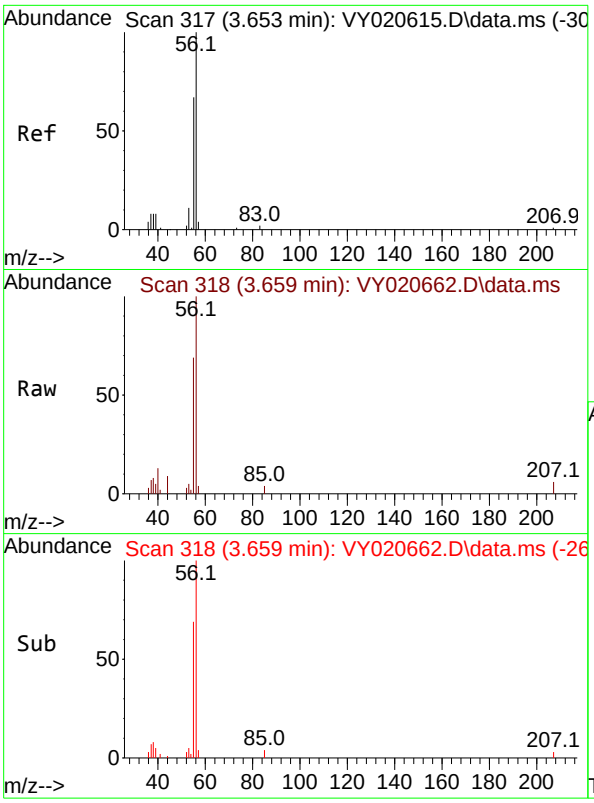


#12
1,1-Dichloroethene
Concen: 21.885 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 96 Resp: 84608

Ion	Ratio	Lower	Upper
96	100		
61	172.9	136.9	205.3
98	63.0	50.2	75.4



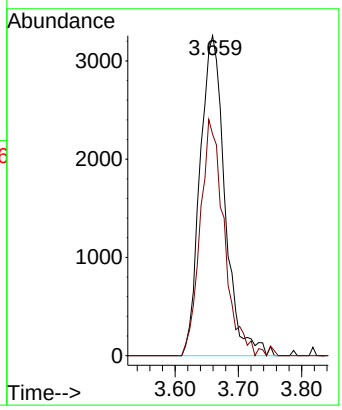


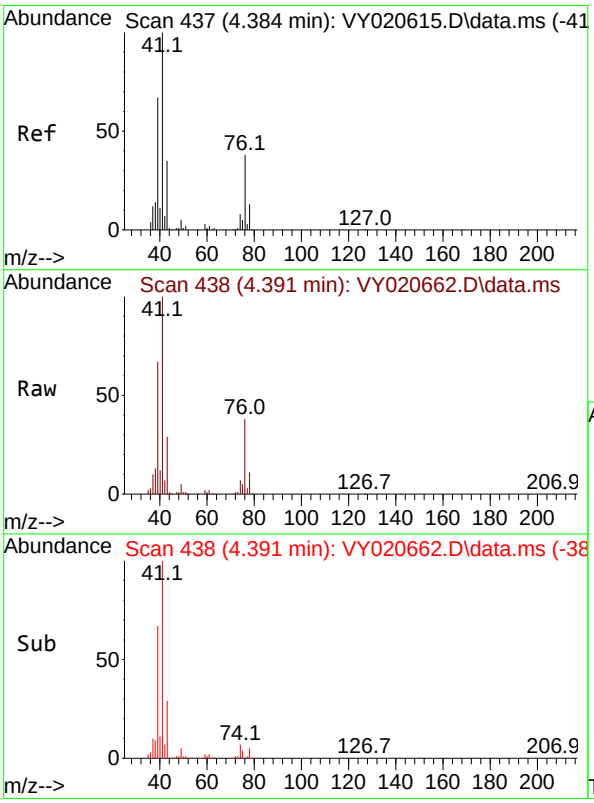
#13
Acrolein
Concen: 55.648 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 8888

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.5	86.3

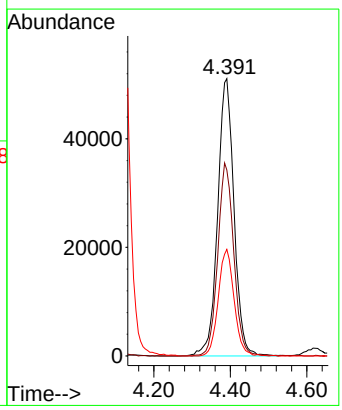


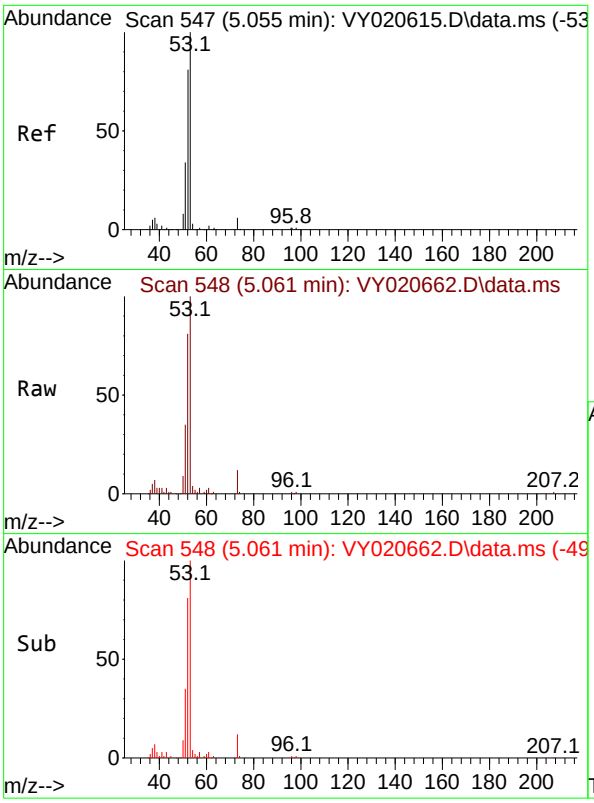


#14
Allyl chloride
Concen: 22.407 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 41 Resp: 151793

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.0	79.4
76	37.0	29.5	44.3



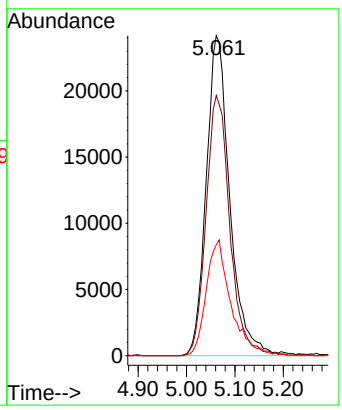


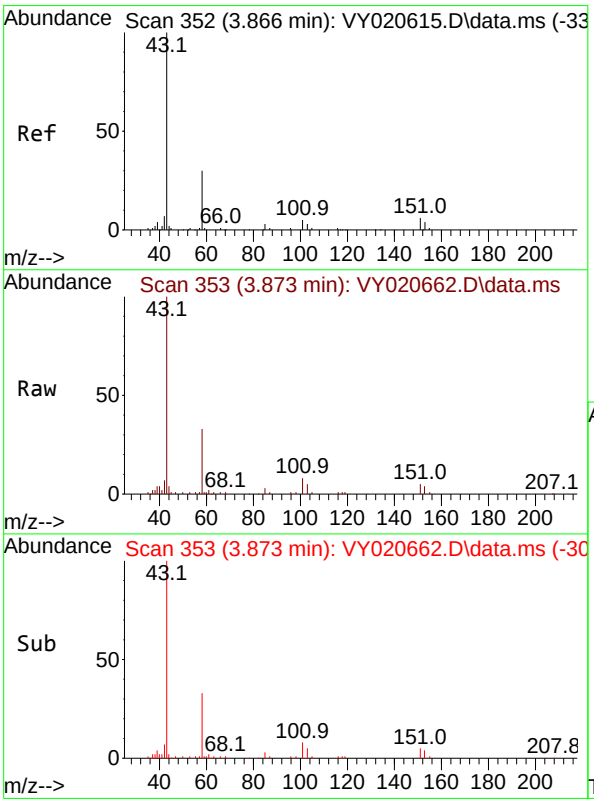
#15
Acrylonitrile
Concen: 87.534 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 81639

Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	37.8	29.4	44.0

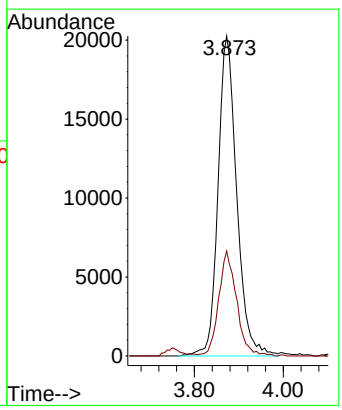


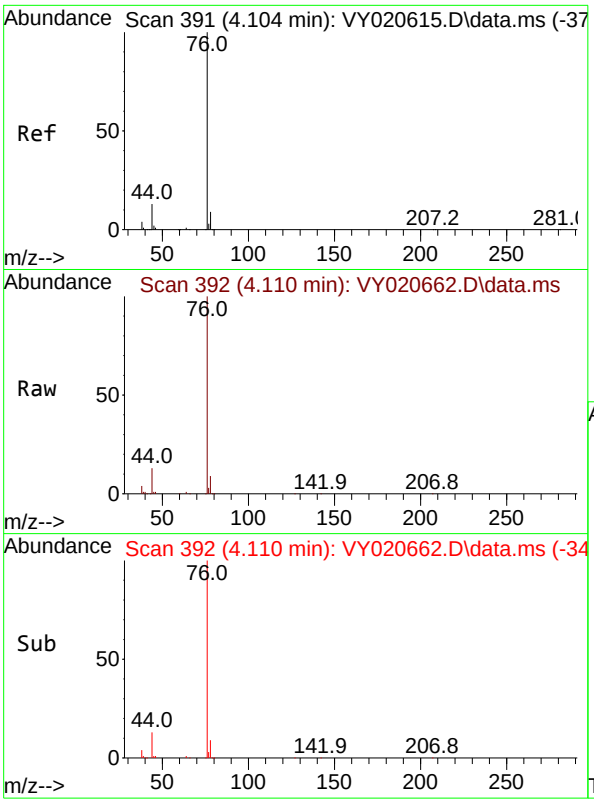


#16
Acetone
Concen: 83.445 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 58873

Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.0	37.6



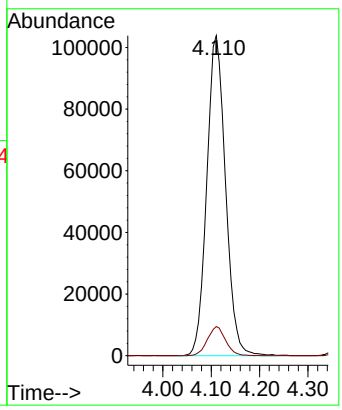


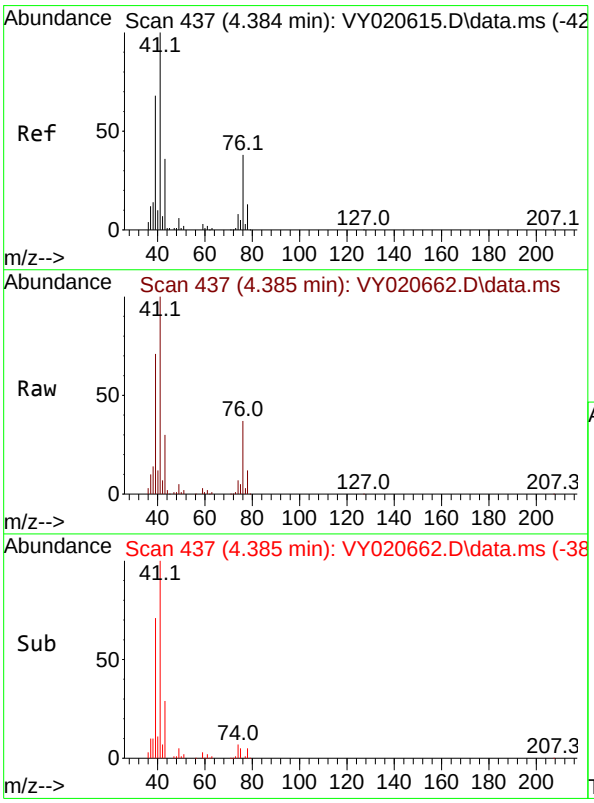
#17
Carbon Disulfide
Concen: 22.232 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 279766

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

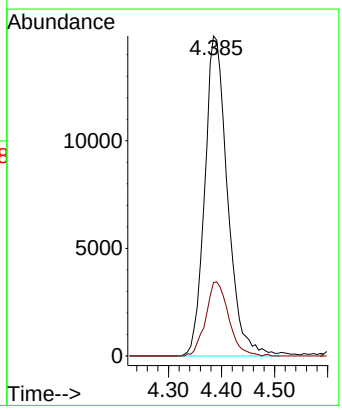


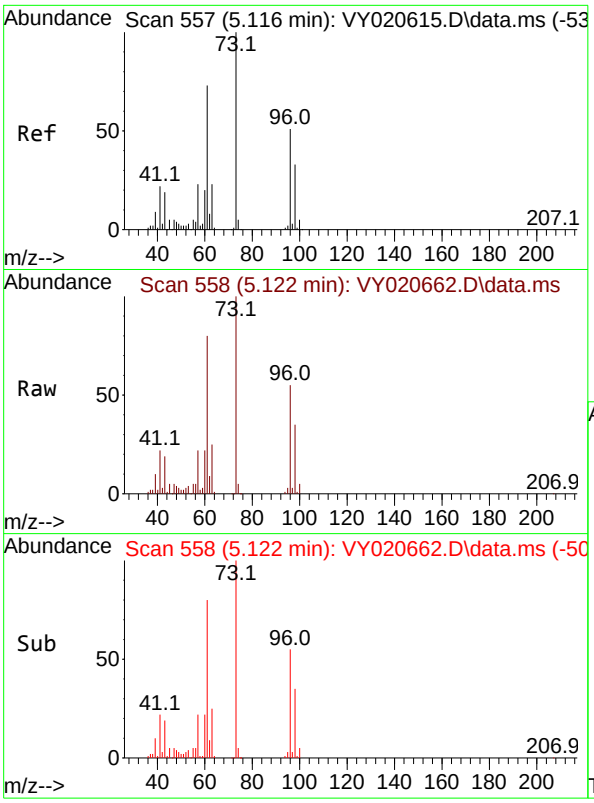


#18
Methyl Acetate
Concen: 19.310 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 44378

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8



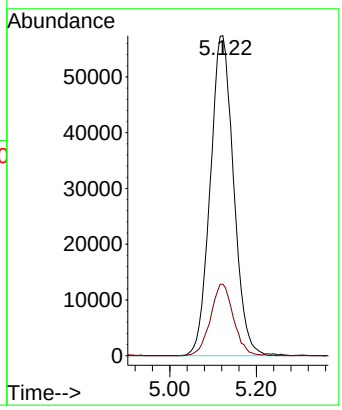


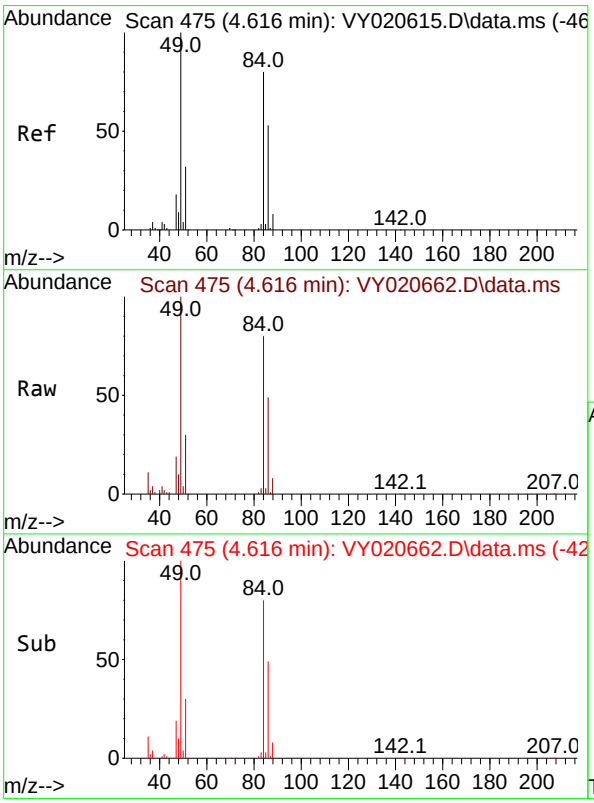
#19
Methyl tert-butyl Ether
Concen: 21.584 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 215375

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

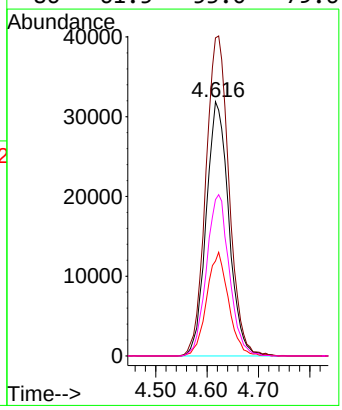


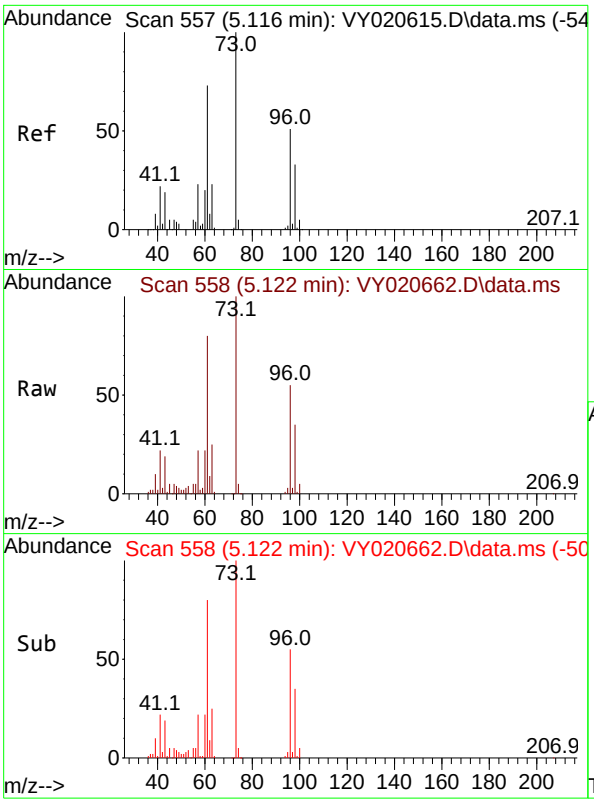


#20
Methylene Chloride
Concen: 23.204 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 84 Resp: 97448

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.7	151.1
51	37.3	32.2	48.2
86	61.5	53.0	79.6



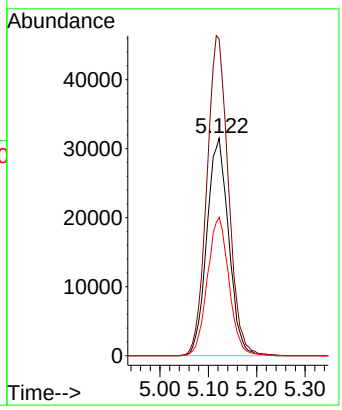


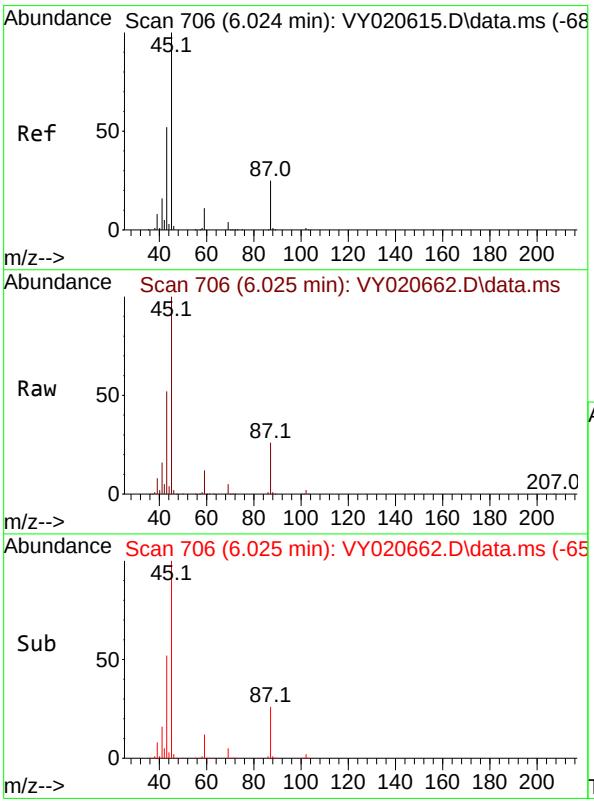
#21
trans-1,2-Dichloroethene
Concen: 22.803 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 98887

Ion	Ratio	Lower	Upper
96	100		
61	145.6	113.7	170.5
98	63.6	51.7	77.5

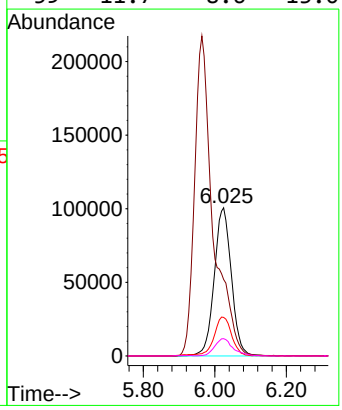


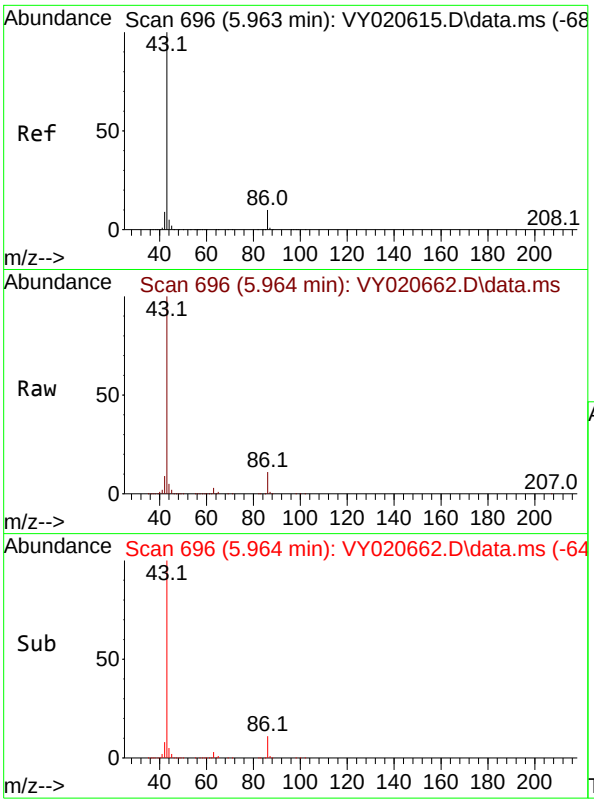


#22
Diisopropyl ether
Concen: 24.389 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 45 Resp: 335366

Ion	Ratio	Lower	Upper
45	100		
43	51.5	42.6	64.0
87	26.0	20.6	31.0
59	11.7	8.6	13.0



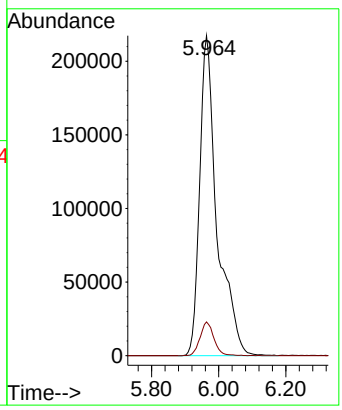


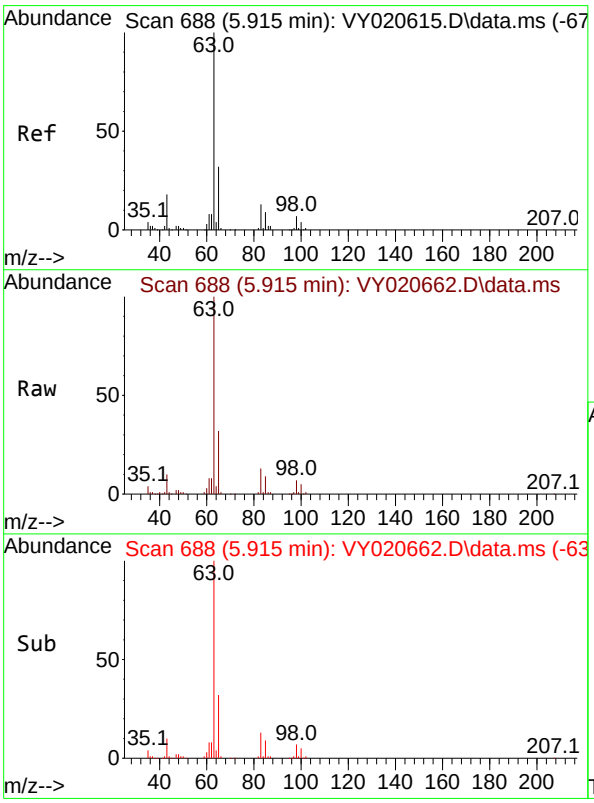
#23
Vinyl Acetate
Concen: 100.483 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 782554

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1

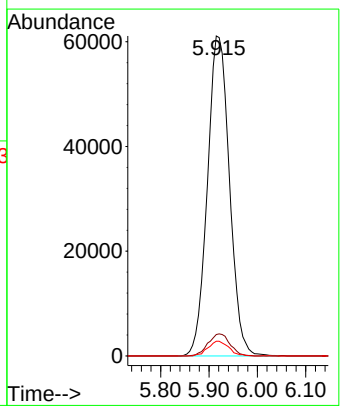


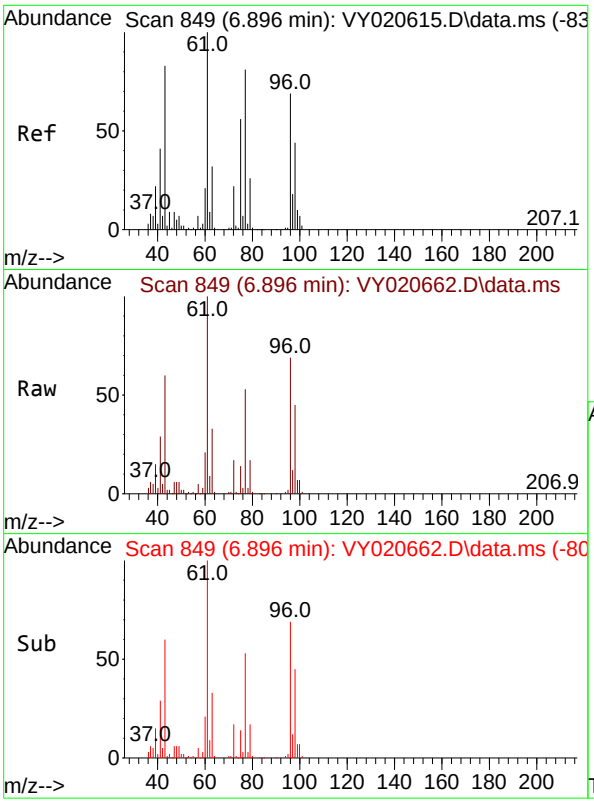


#24
1,1-Dichloroethane
Concen: 24.037 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 63 Resp: 193633

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.6	2.1	6.5



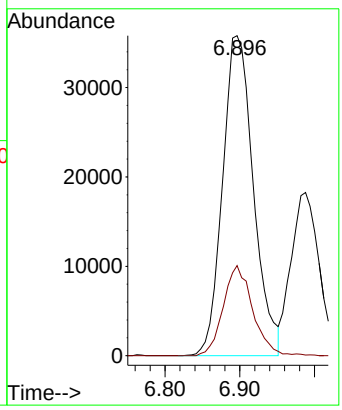


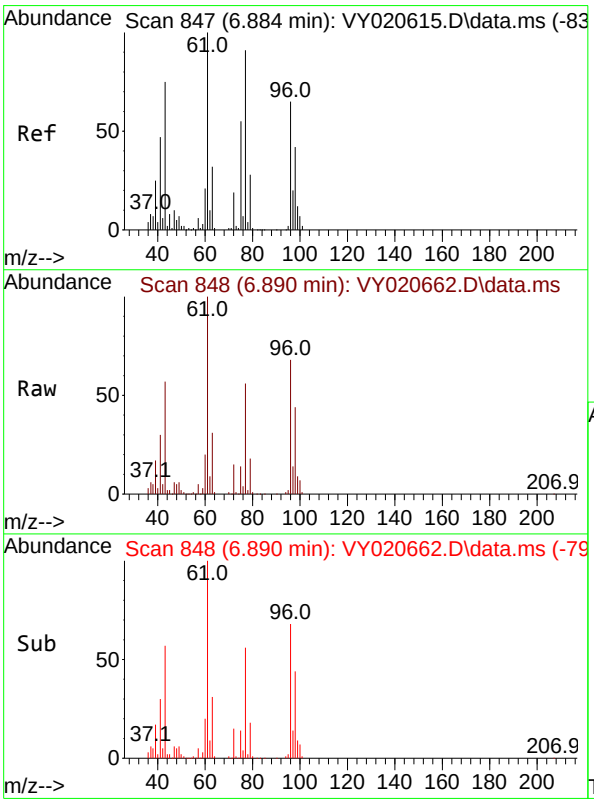
#25
2-Butanone
Concen: 82.027 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 102968

Ion	Ratio	Lower	Upper
43	100		
72	28.2	20.6	31.0

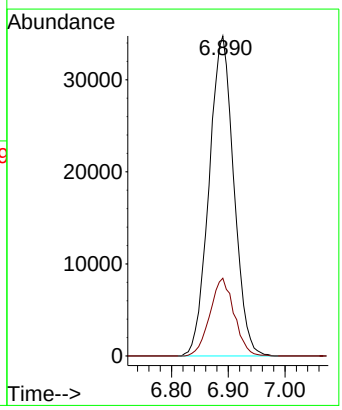


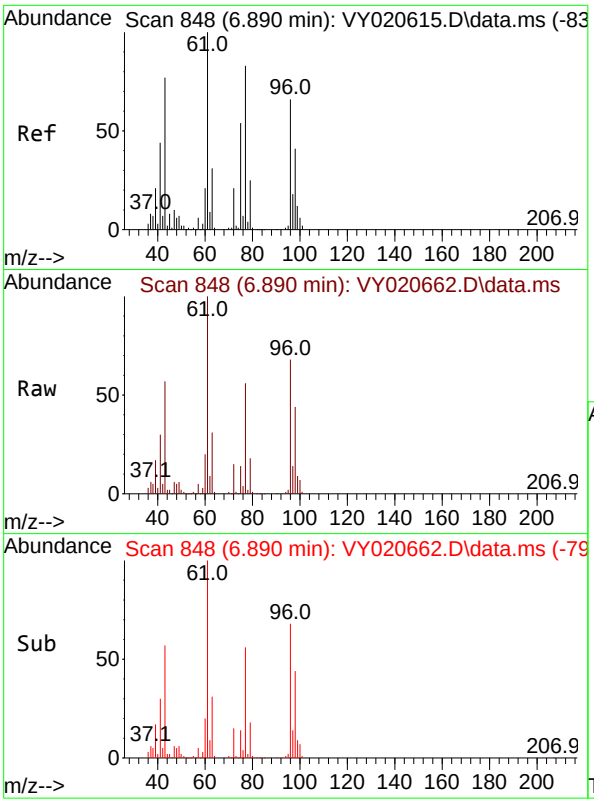


#26
2,2-Dichloropropane
Concen: 13.836 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 77 Resp: 105366

Ion	Ratio	Lower	Upper
77	100		
97	23.8	10.9	32.6



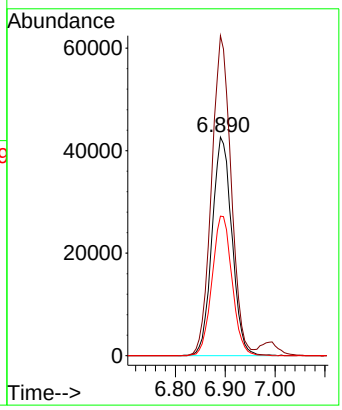


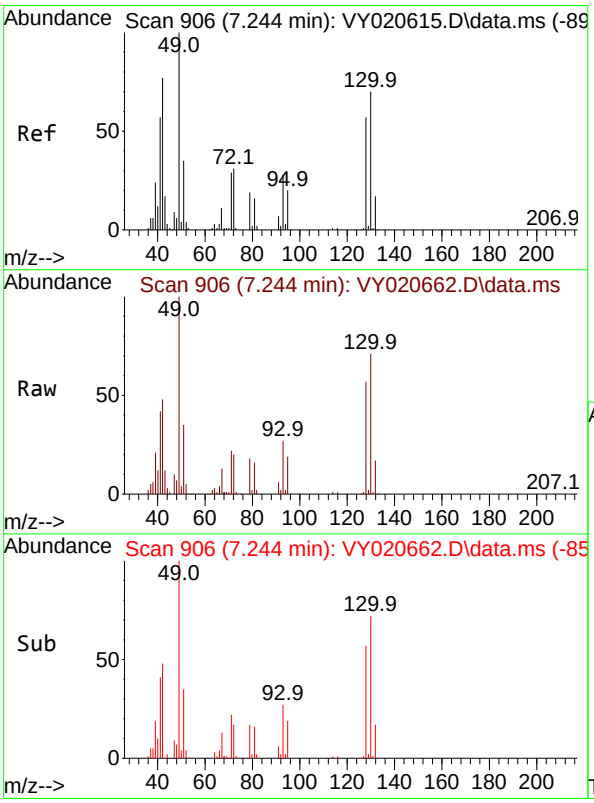
#27
cis-1,2-Dichloroethene
Concen: 23.640 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 117949

Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	306.2
98	64.4	0.0	127.2

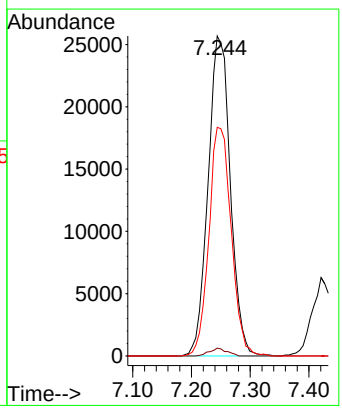


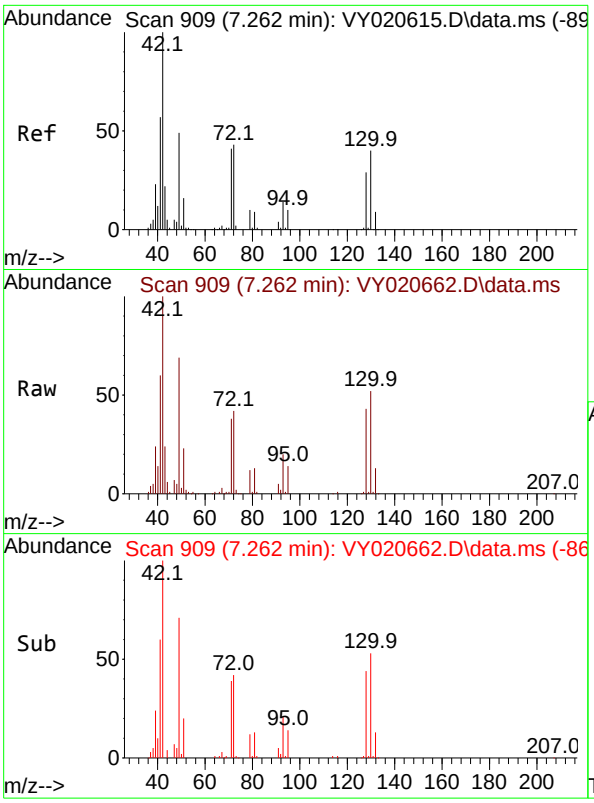


#28
Bromochloromethane
Concen: 24.867 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 49 Resp: 67567

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.7	58.3	87.5



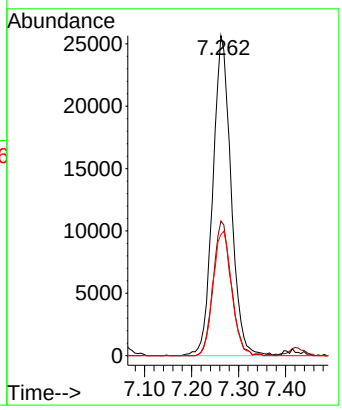


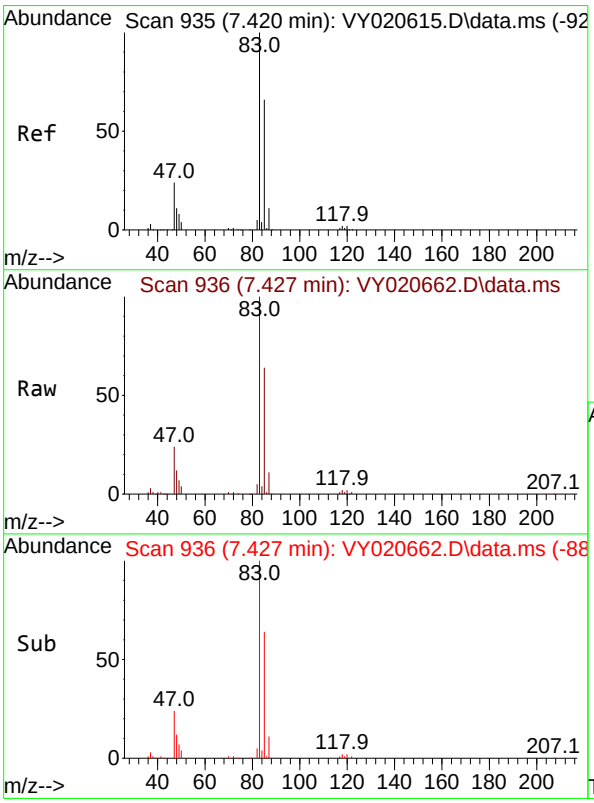
#29
Tetrahydrofuran
Concen: 87.132 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 69047

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	40.2	31.6	47.4

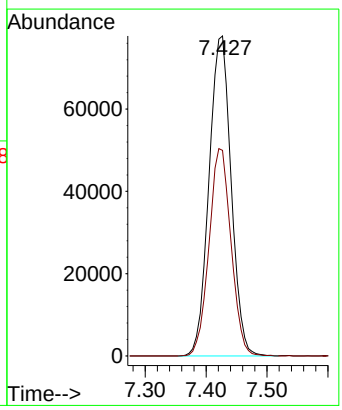


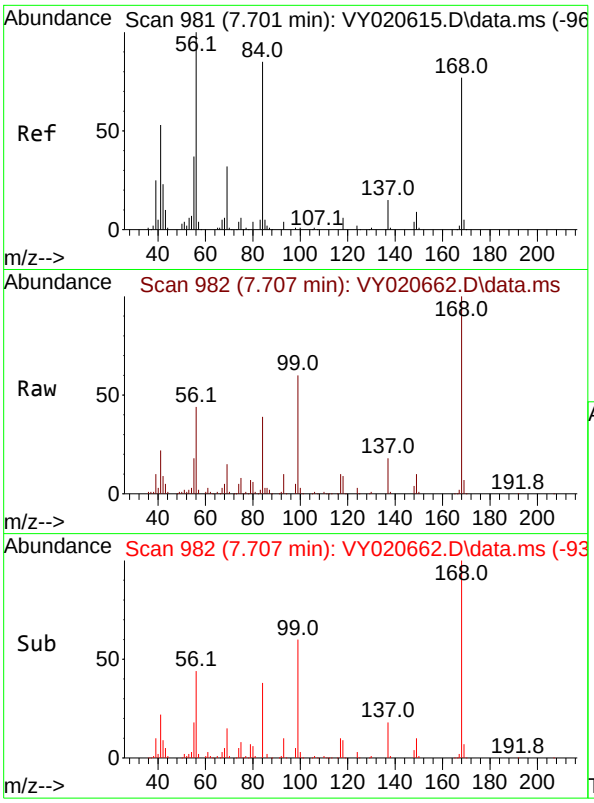


#30
Chloroform
Concen: 21.191 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 83 Resp: 196092

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.7	79.1



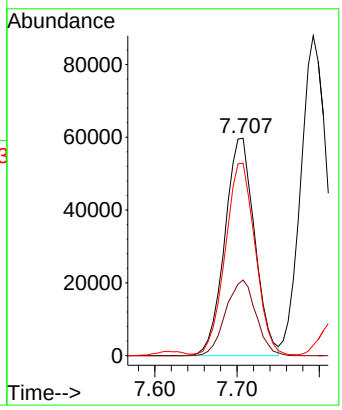


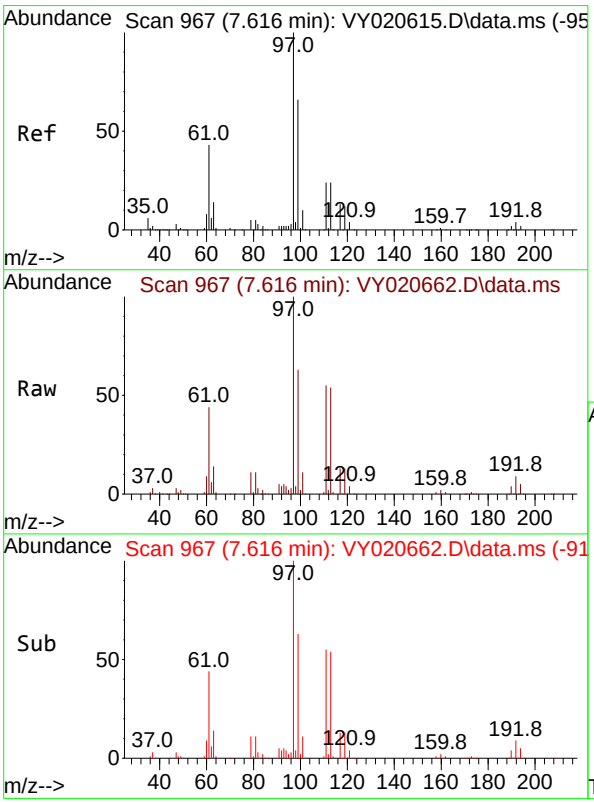
#31
Cyclohexane
Concen: 19.618 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 151108

Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.0
84	86.7	68.3	102.5

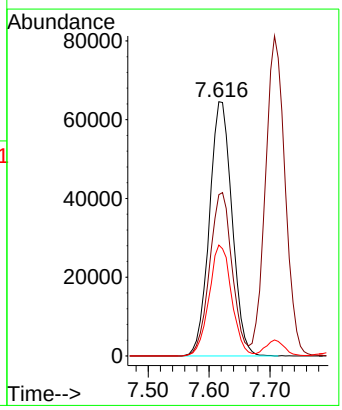


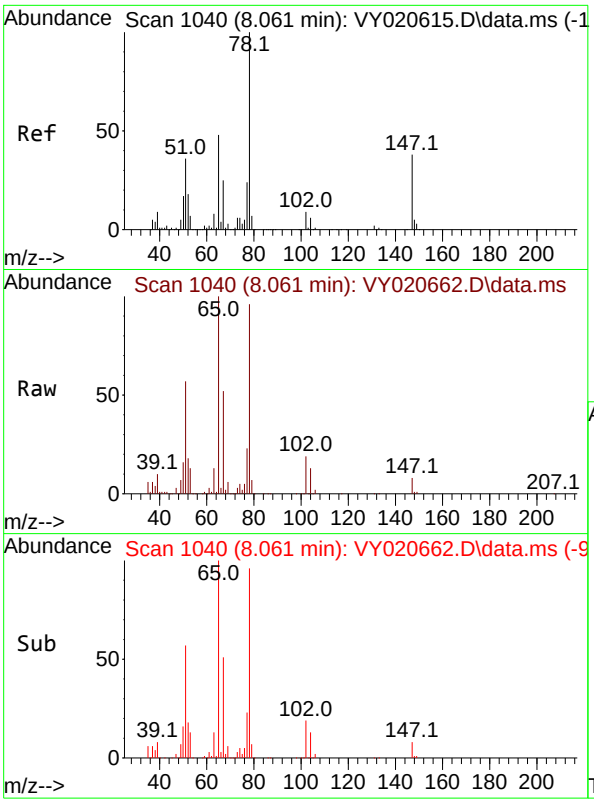


#32
1,1,1-Trichloroethane
Concen: 22.530 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 97 Resp: 166740

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.5	34.7	52.1



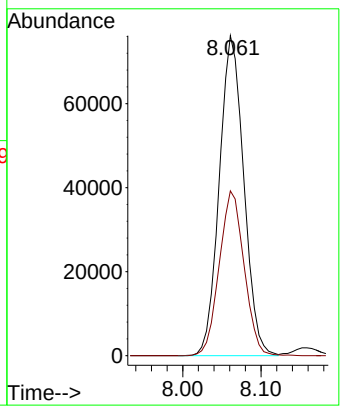


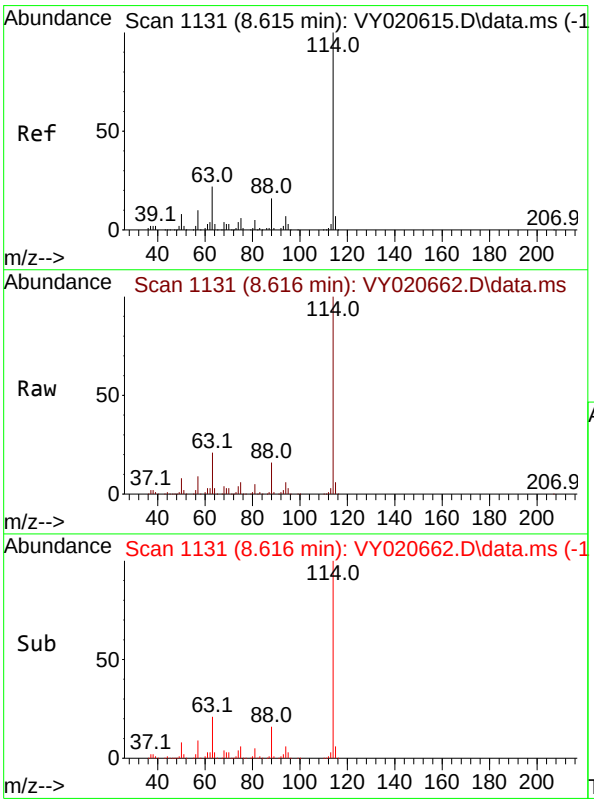
#33
1,2-Dichloroethane-d4
Concen: 48.981 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 165446

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.0

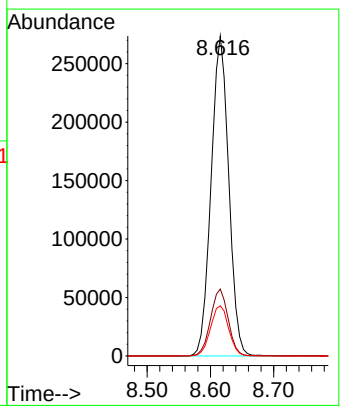


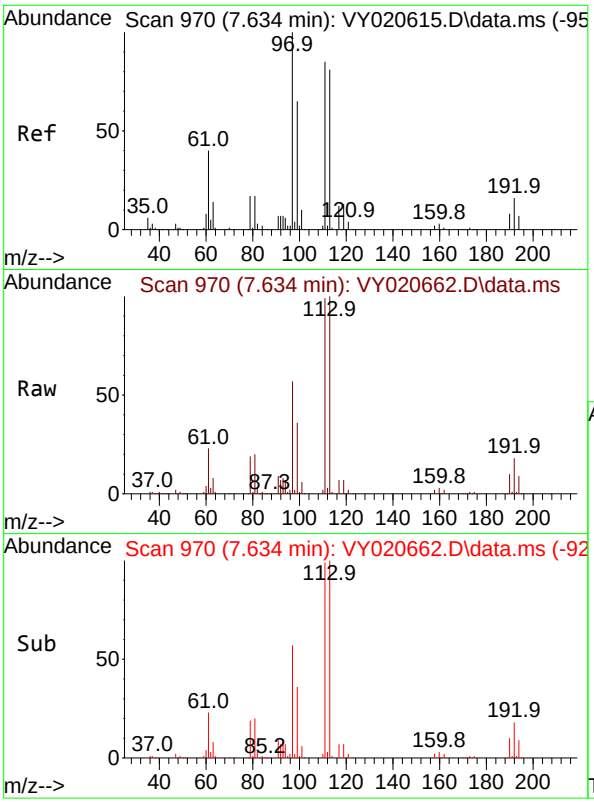


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:114 Resp: 528371

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.0
88	15.7	0.0	32.8



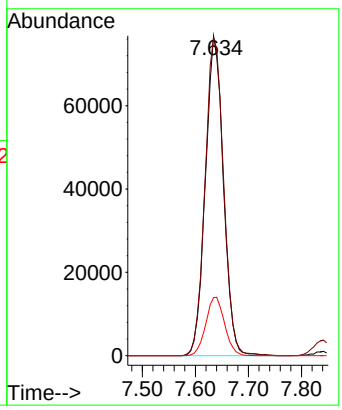


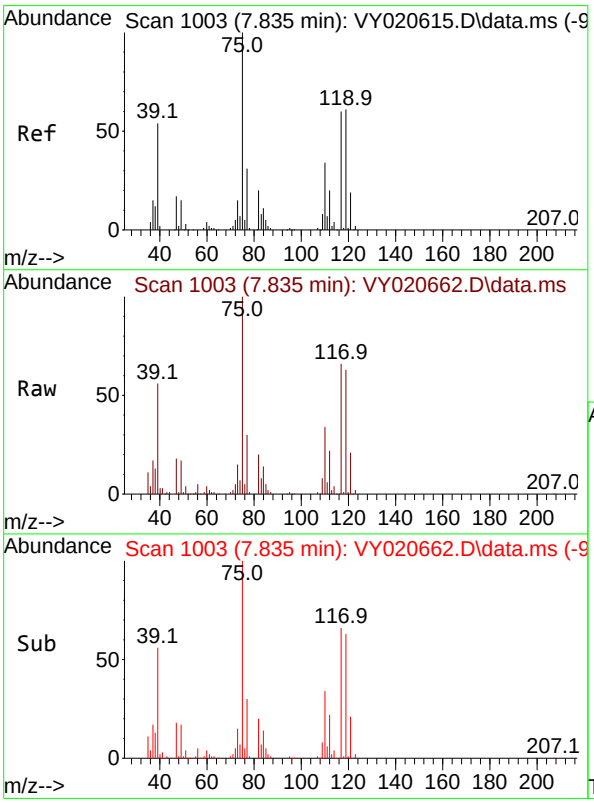
#35
Dibromofluoromethane
Concen: 48.666 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 181222

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.1	15.7	23.5

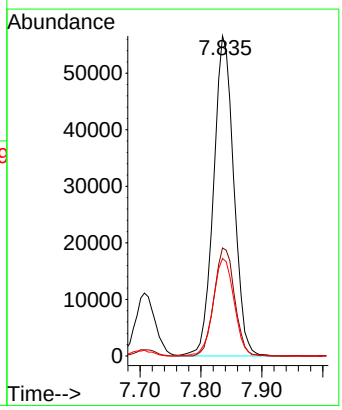


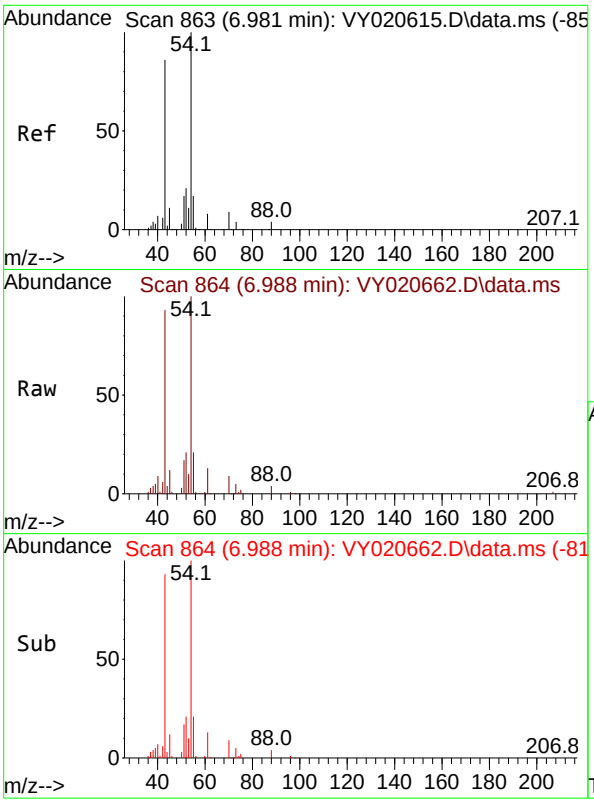


#36
1,1-Dichloropropene
Concen: 19.208 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 130429

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.8	50.4
77	31.6	25.0	37.6



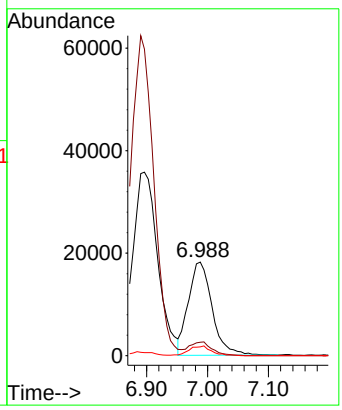


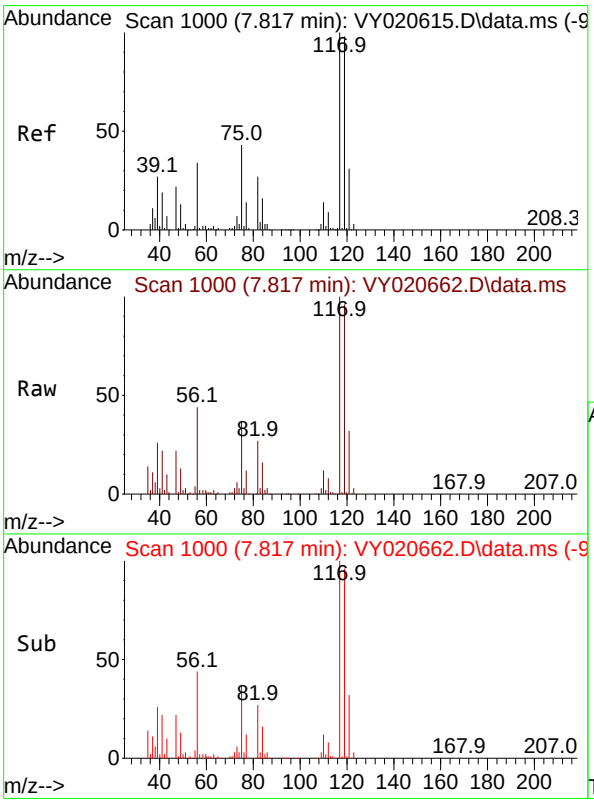
#37
Ethyl Acetate
Concen: 15.417 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 49241

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	9.9	7.9	11.9

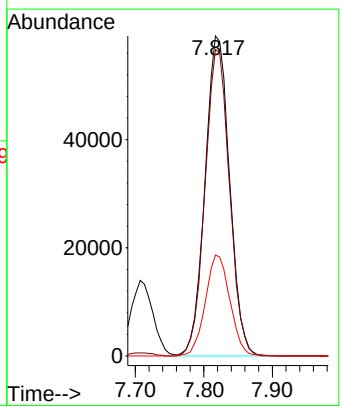


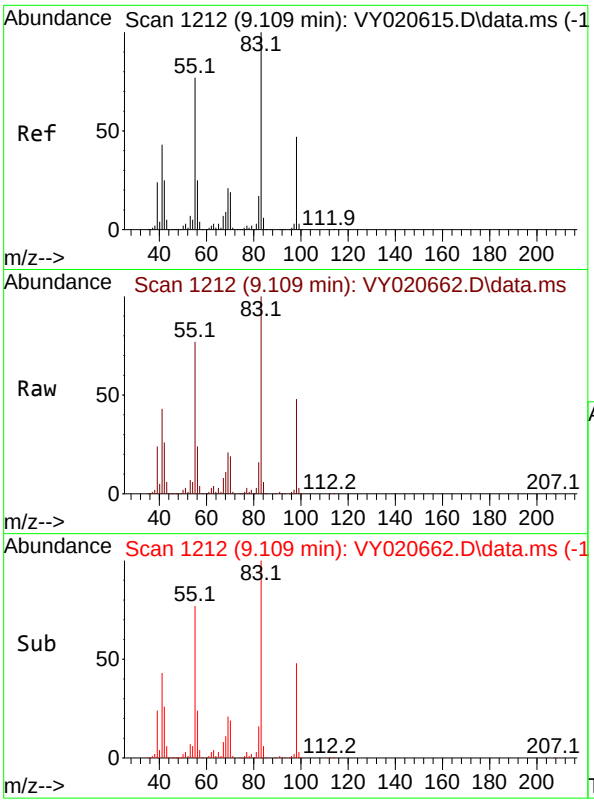


#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:117 Resp: 147544

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	31.6	25.1	37.7



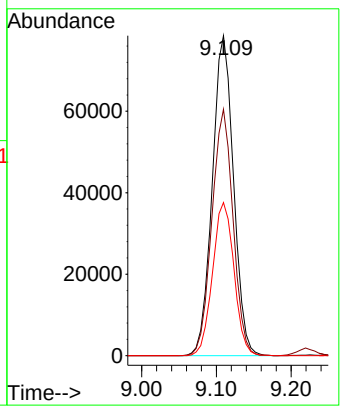


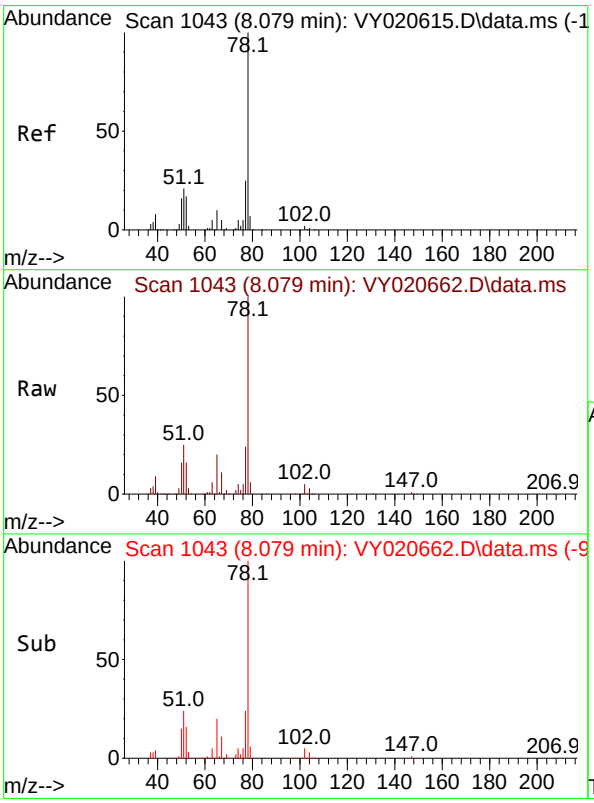
#39
Methylcyclohexane
Concen: 17.524 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 155084

Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.4	92.0
98	47.9	37.3	55.9

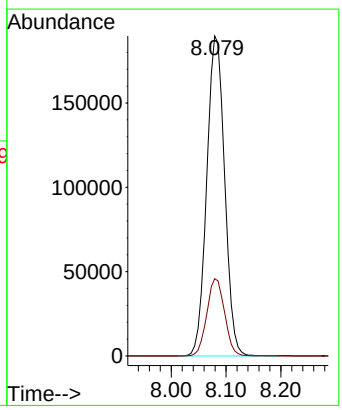


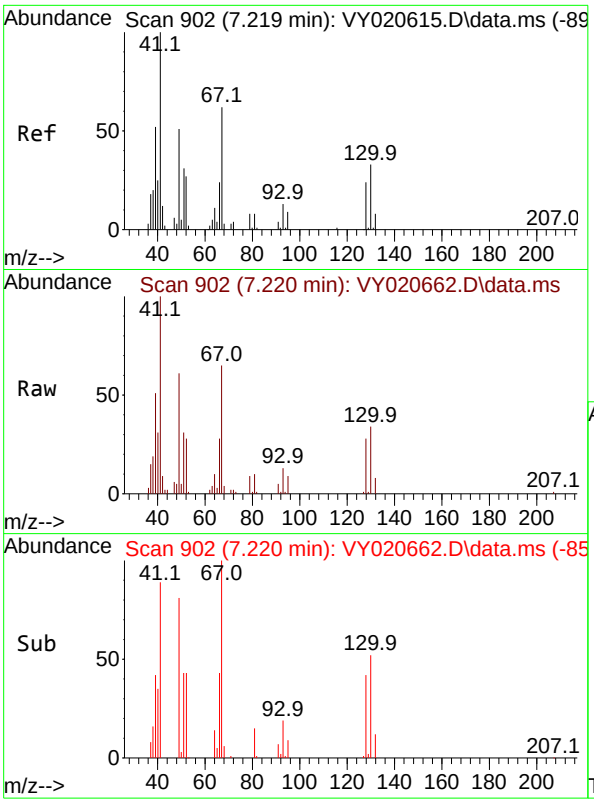


#40
Benzene
Concen: 21.564 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 78 Resp: 429196

Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.1	30.1



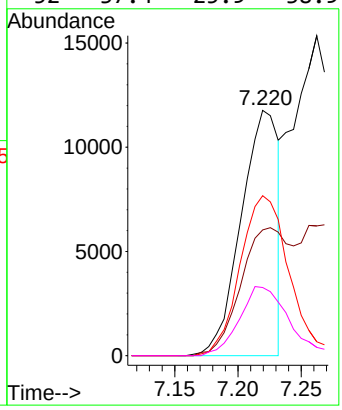


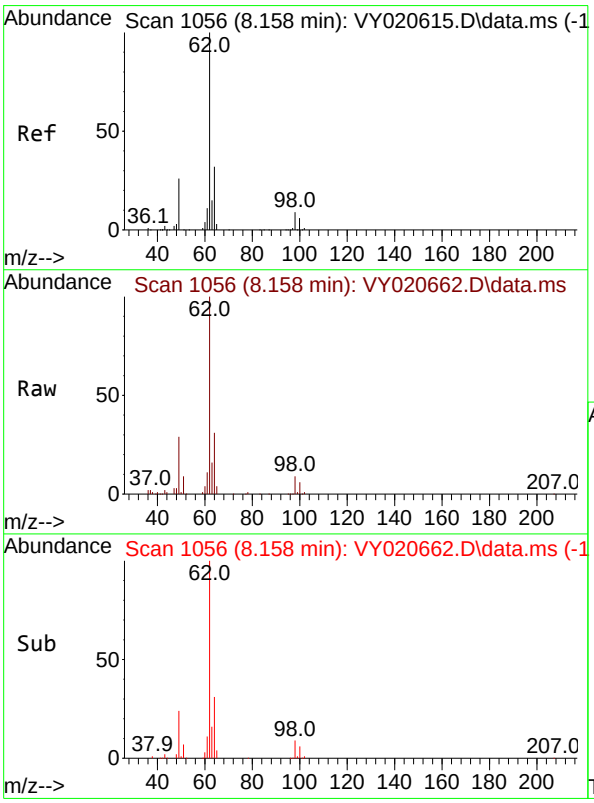
#41
Methacrylonitrile
Concen: 14.338 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 24211

Ion	Ratio	Lower	Upper
41	100		
39	69.9	53.6	80.4
67	85.9	62.0	93.0
52	37.4	25.9	38.9

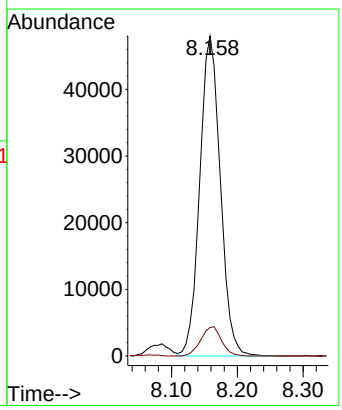


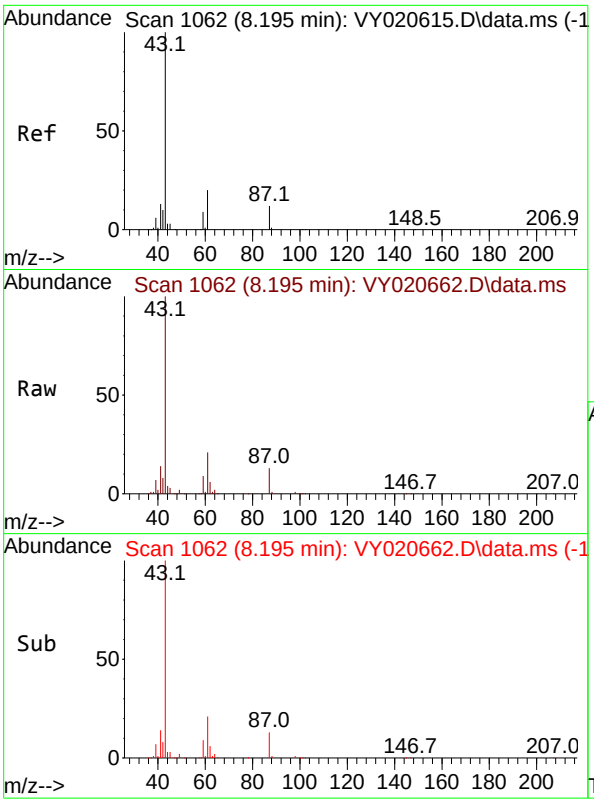


#42
1,2-Dichloroethane
Concen: 19.798 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 62 Resp: 104508

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0



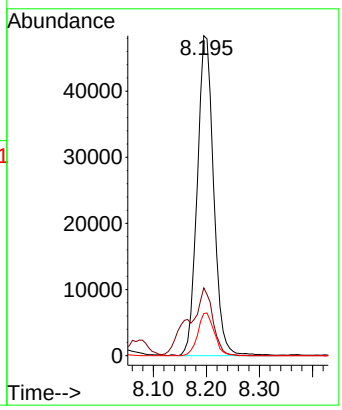


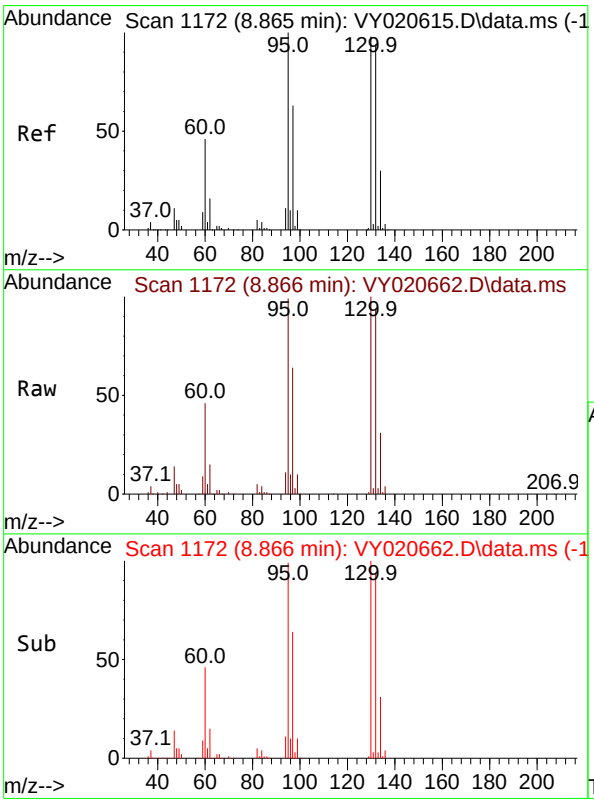
#43
Isopropyl Acetate
Concen: 17.203 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 104020

Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.8	35.6
87	13.4	10.2	15.4

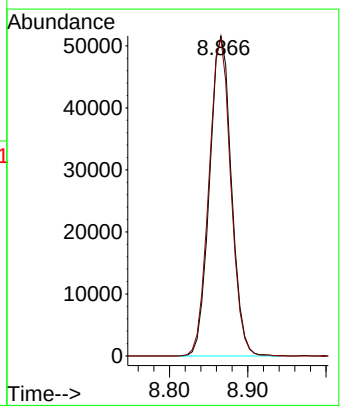


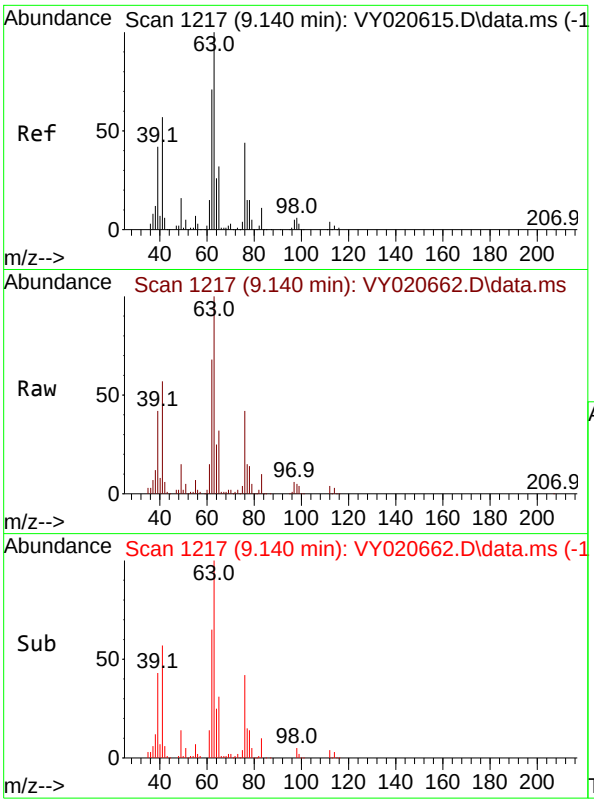


#44
Trichloroethene
Concen: 20.381 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:130 Resp: 99674

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	203.2



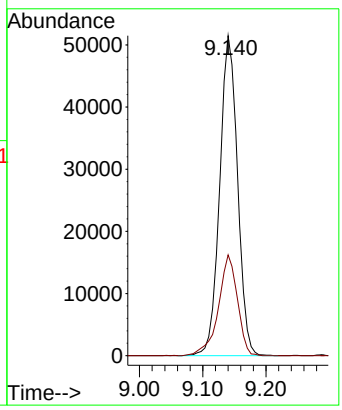


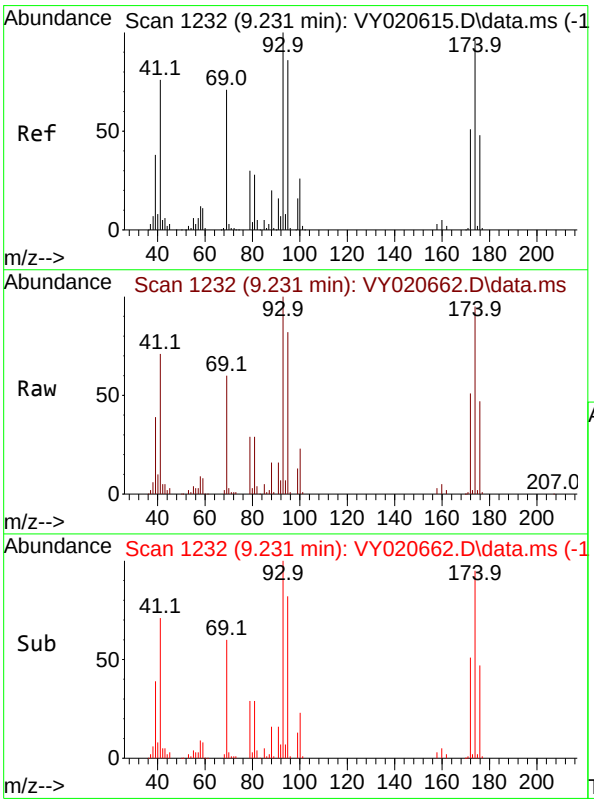
#45
1,2-Dichloropropane
Concen: 21.636 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 100644

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9

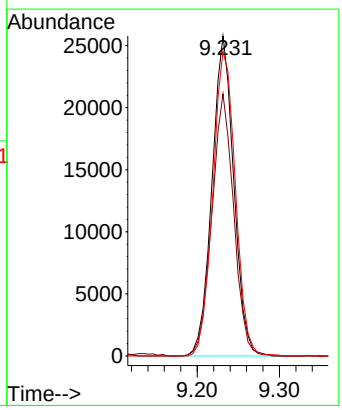


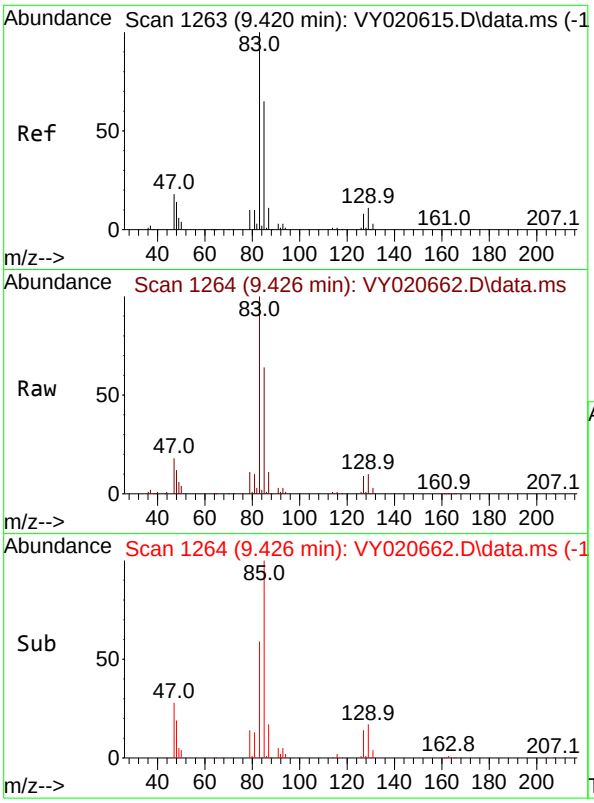


#46
Dibromomethane
Concen: 19.282 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 93 Resp: 47401

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.7	100.1
174	98.5	77.8	116.6



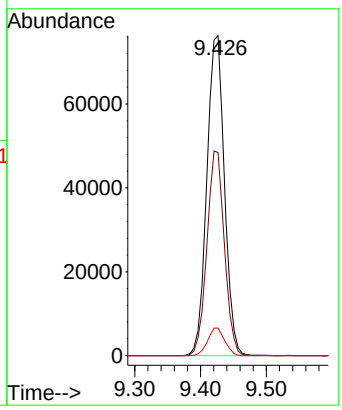


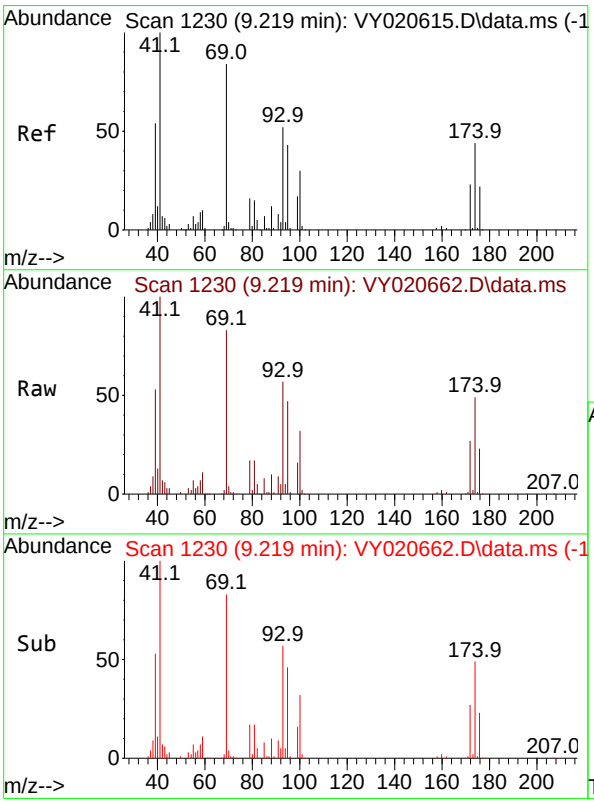
#47
Bromodichloromethane
Concen: 21.405 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142143

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1
127	8.7	6.7	10.1

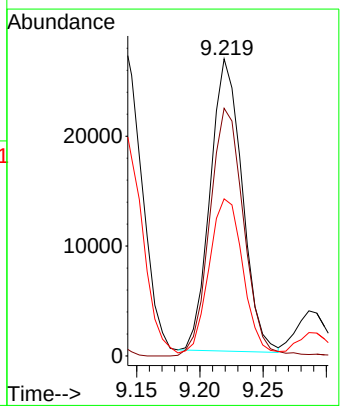


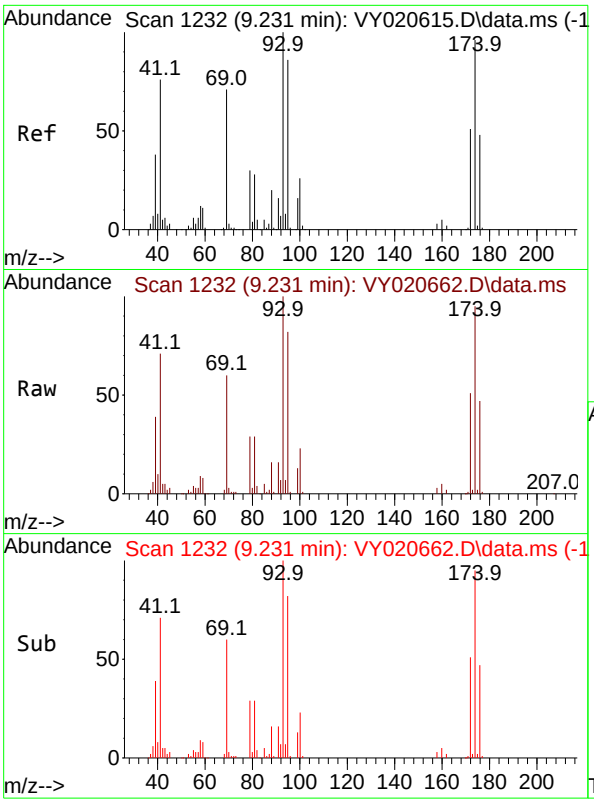


#48
Methyl methacrylate
Concen: 16.260 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 41 Resp: 46742

Ion	Ratio	Lower	Upper
41	100		
69	90.1	67.2	100.8
39	55.6	42.2	63.4



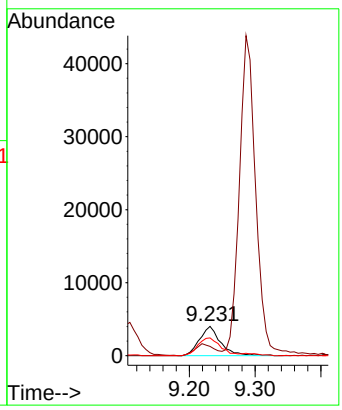


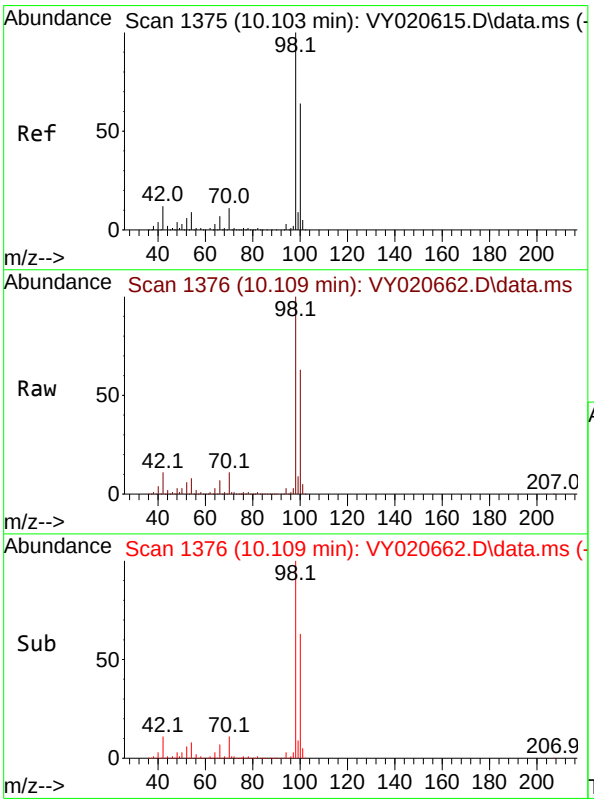
#49
1,4-Dioxane
Concen: 318.450 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 8978

Ion	Ratio	Lower	Upper
88	100		
43	37.2	27.6	41.4
58	64.6	61.7	92.5

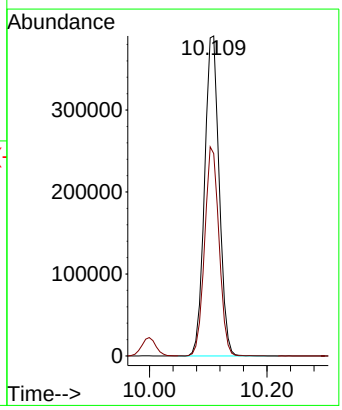


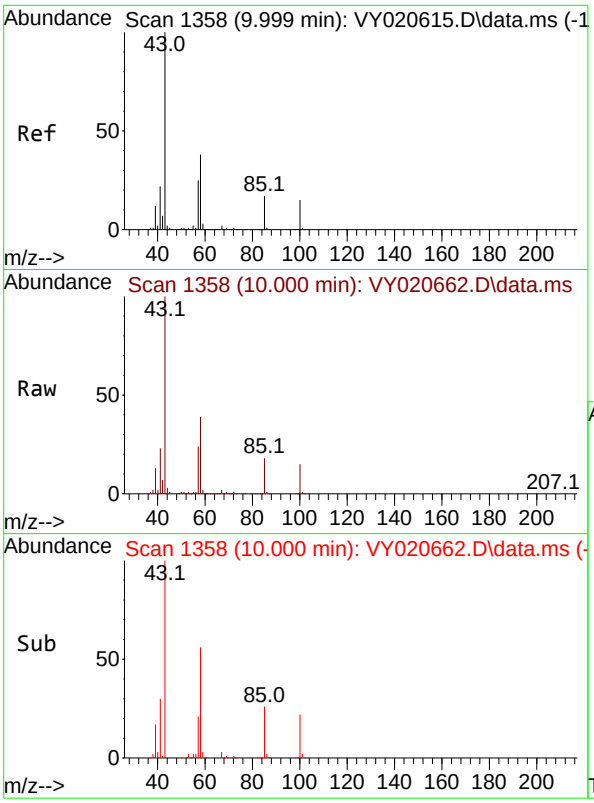


#50
Toluene-d8
Concen: 51.718 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 98 Resp: 674087

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



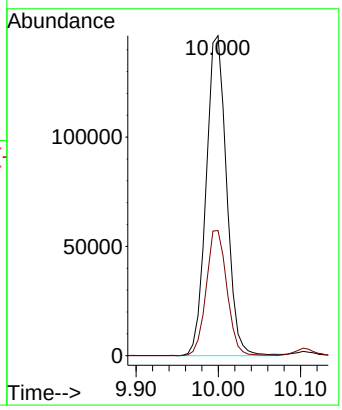


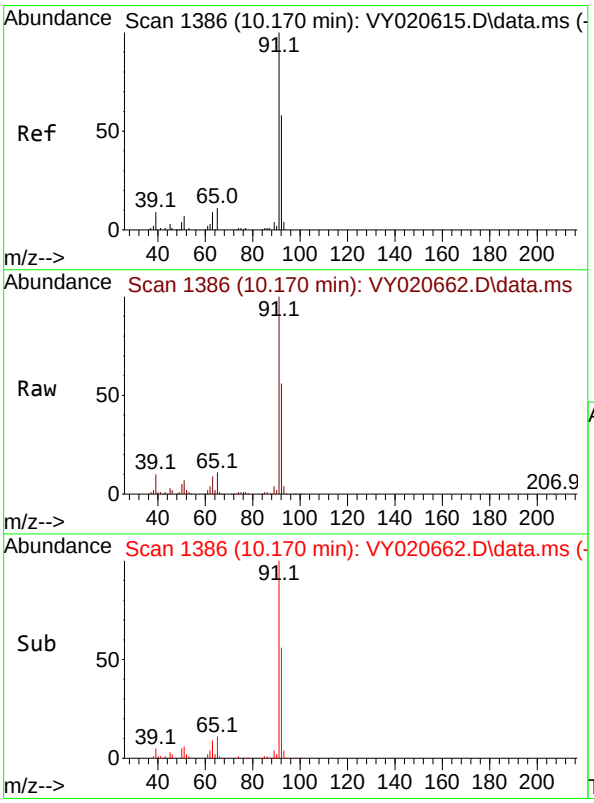
#51
4-Methyl-2-Pentanone
Concen: 79.170 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 252688

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.4	47.2

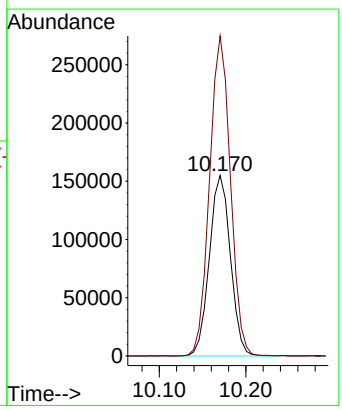


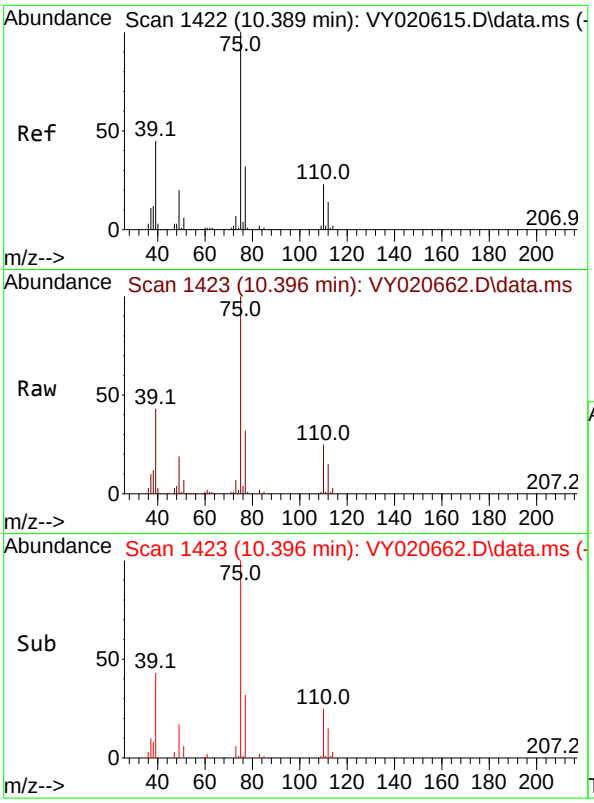


#52
Toluene
Concen: 21.138 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 92 Resp: 261457

Ion	Ratio	Lower	Upper
92	100		
91	175.8	137.4	206.0



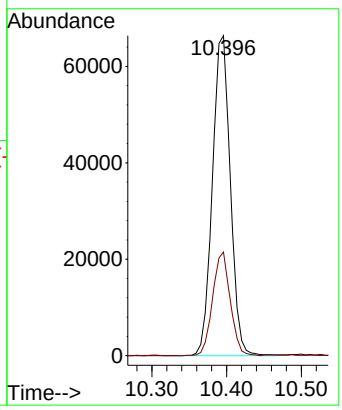


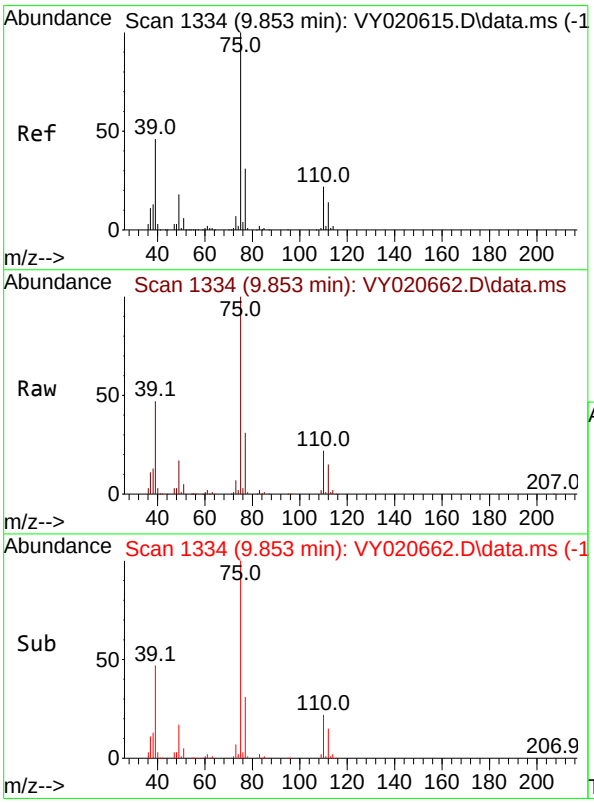
#53
t-1,3-Dichloropropene
Concen: 17.875 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 110607

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

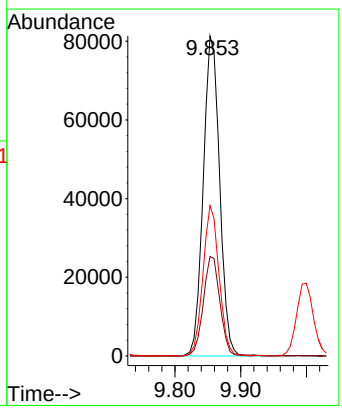


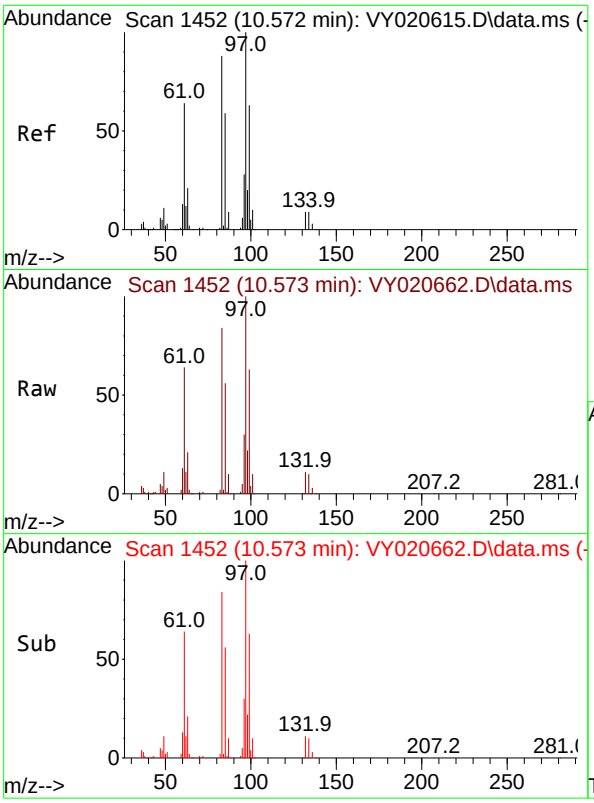


#54
cis-1,3-Dichloropropene
Concen: 19.252 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 141161

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	47.0	36.4	54.6



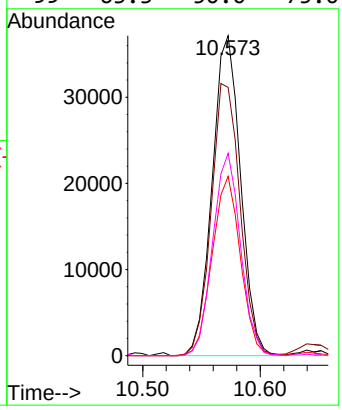


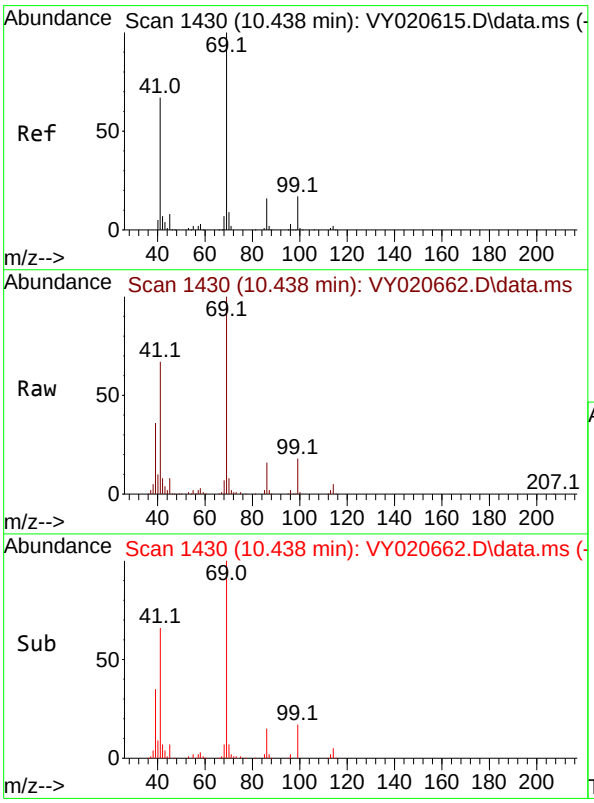
#55
1,1,2-Trichloroethane
Concen: 19.236 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 62521

Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.4	105.6
85	55.9	47.2	70.8
99	63.3	50.0	75.0

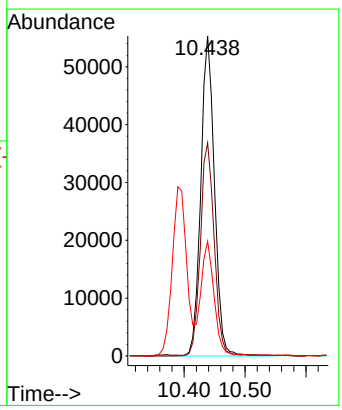


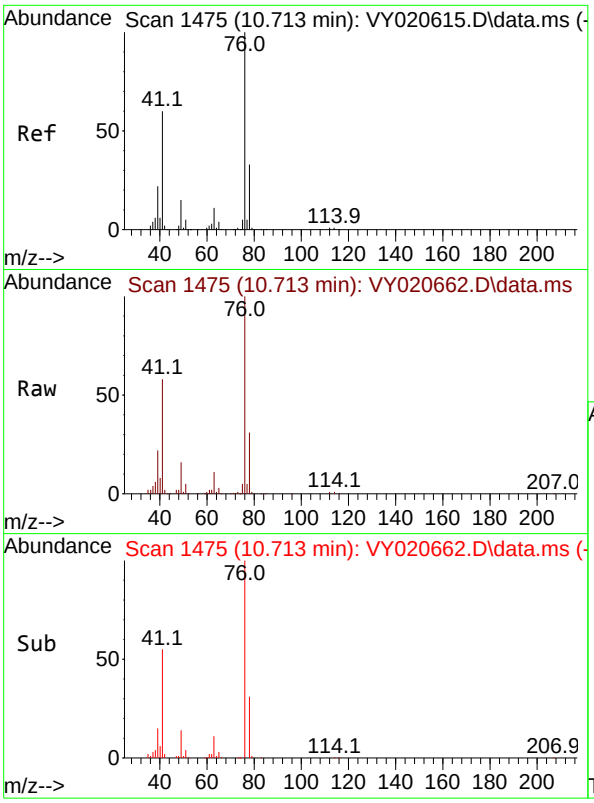


#56
Ethyl methacrylate
Concen: 18.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 69 Resp: 86453

Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.0	81.0
39	35.0	27.9	41.9



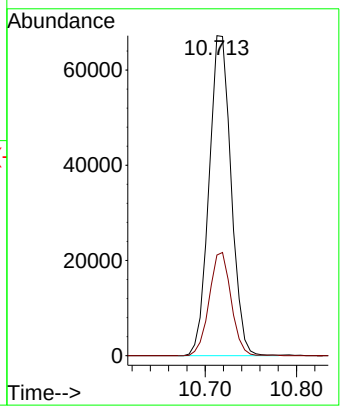


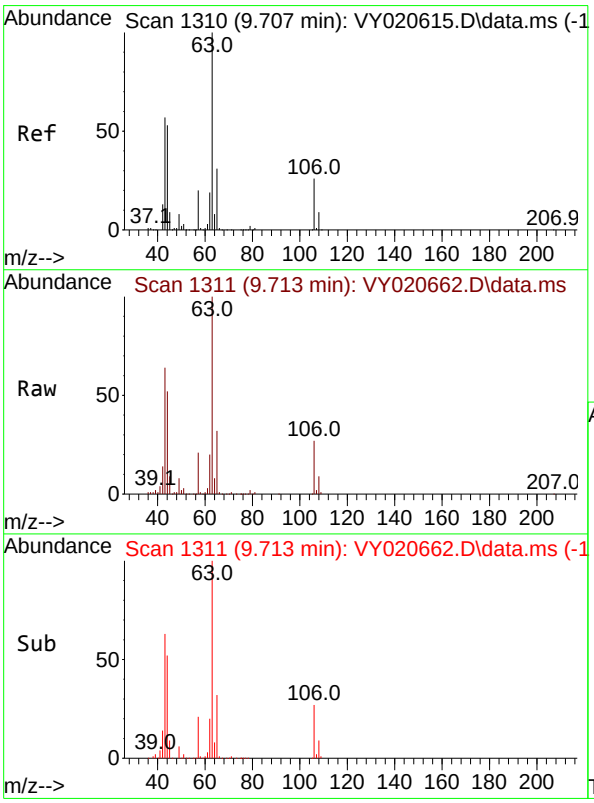
#57
1,3-Dichloropropane
Concen: 19.428 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 112565

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

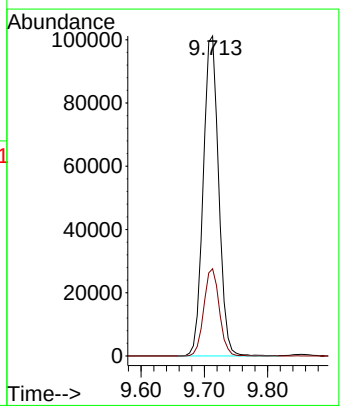


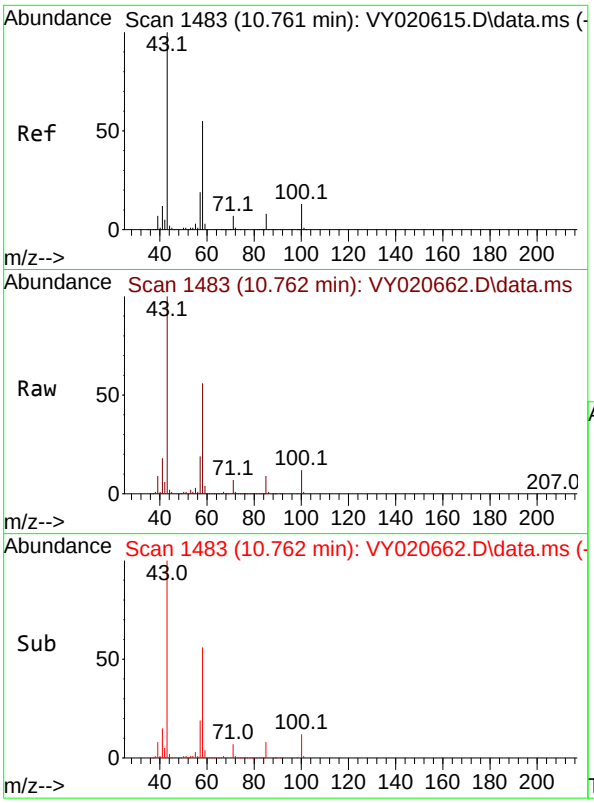


#58
2-Chloroethyl Vinyl ether
Concen: 86.648 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 63 Resp: 171913

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



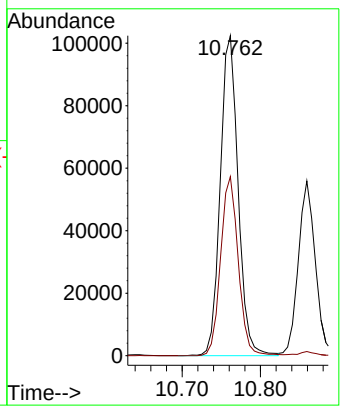


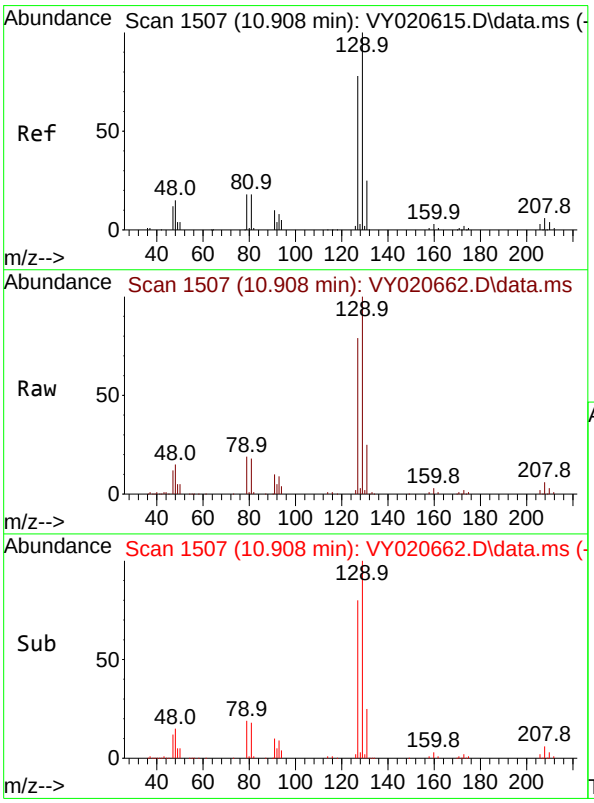
#59
2-Hexanone
Concen: 79.270 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 162442

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.2	81.6

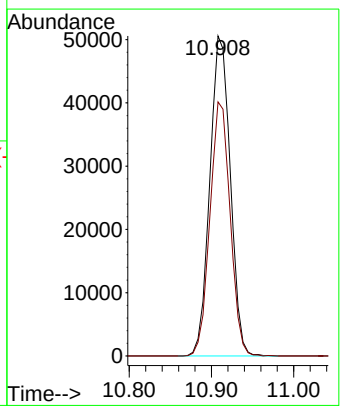


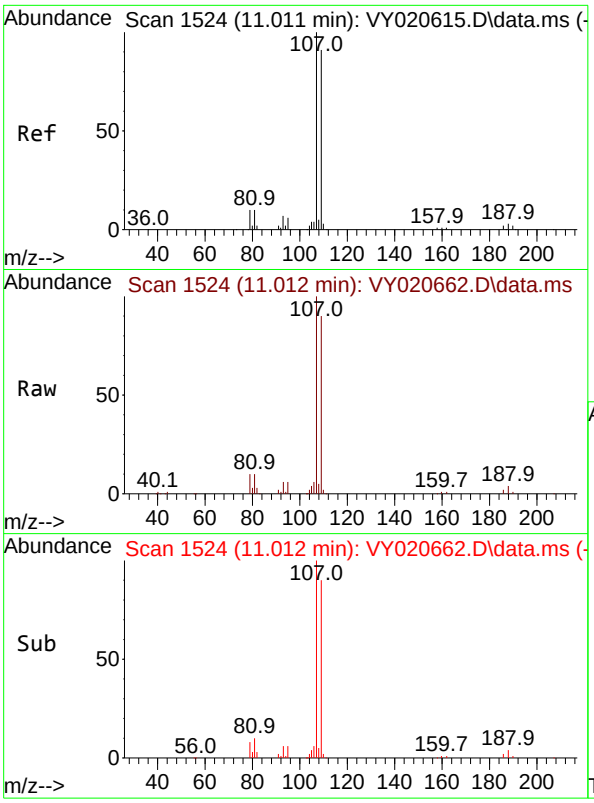


#60
Dibromochloromethane
Concen: 20.097 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:129 Resp: 87357

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.1	114.3



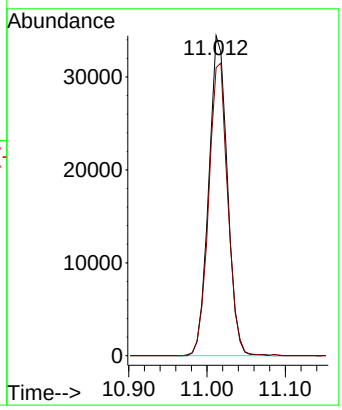


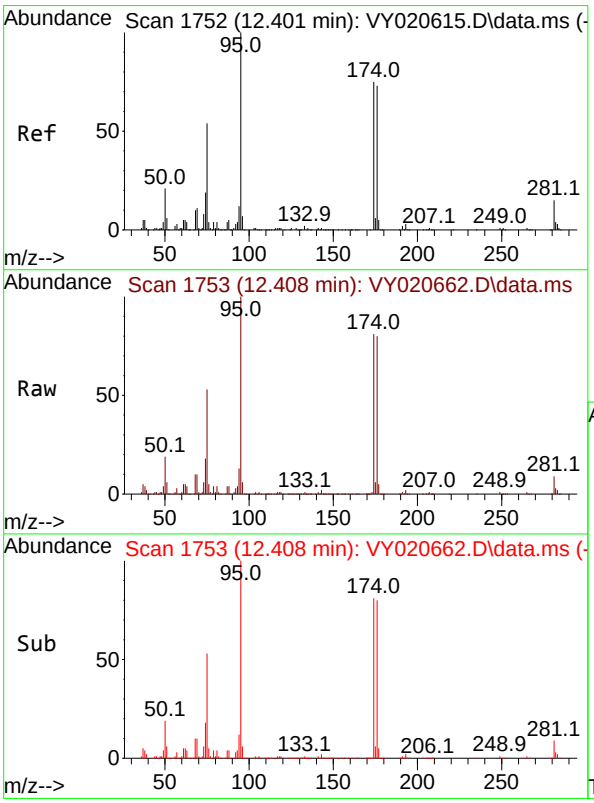
#61
1,2-Dibromoethane
Concen: 18.780 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 56777

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

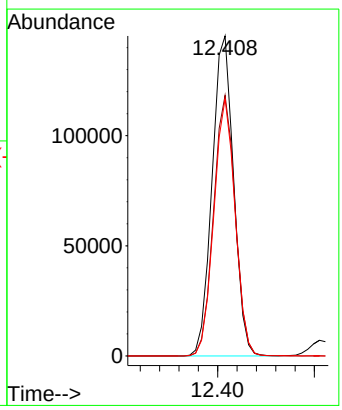


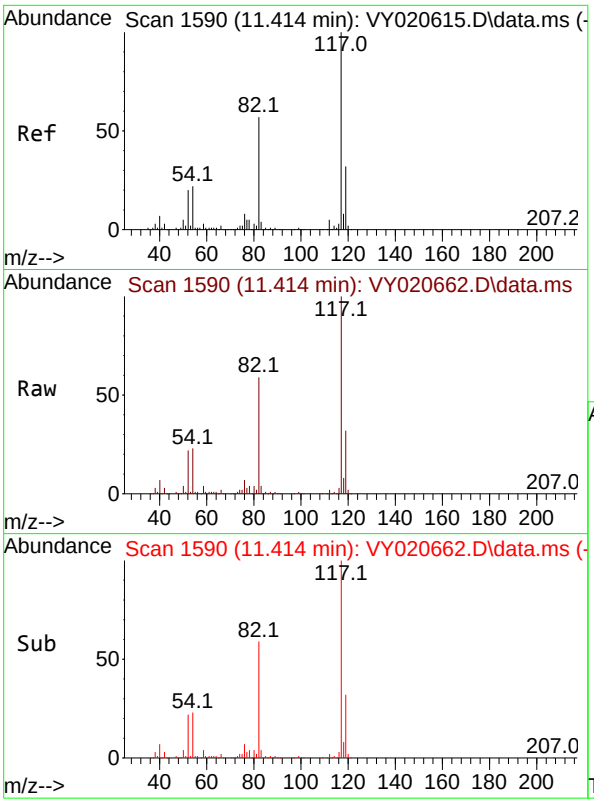


#62
4-Bromofluorobenzene
Concen: 43.986 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 95 Resp: 224262

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.8
176	79.4	0.0	156.6



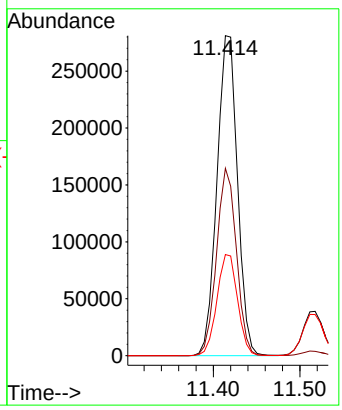


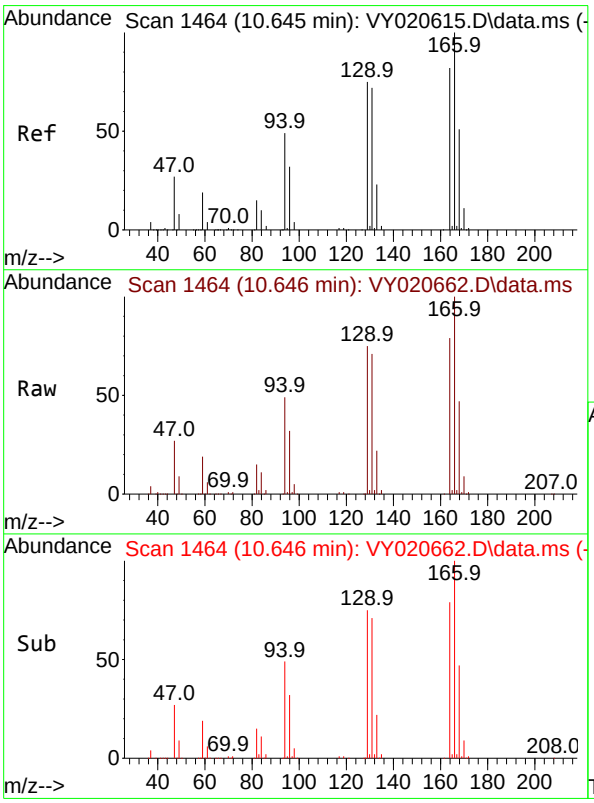
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 462730

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	31.6	25.3	37.9

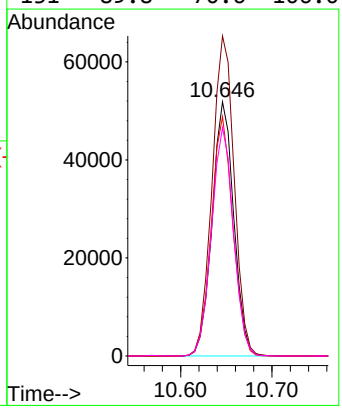


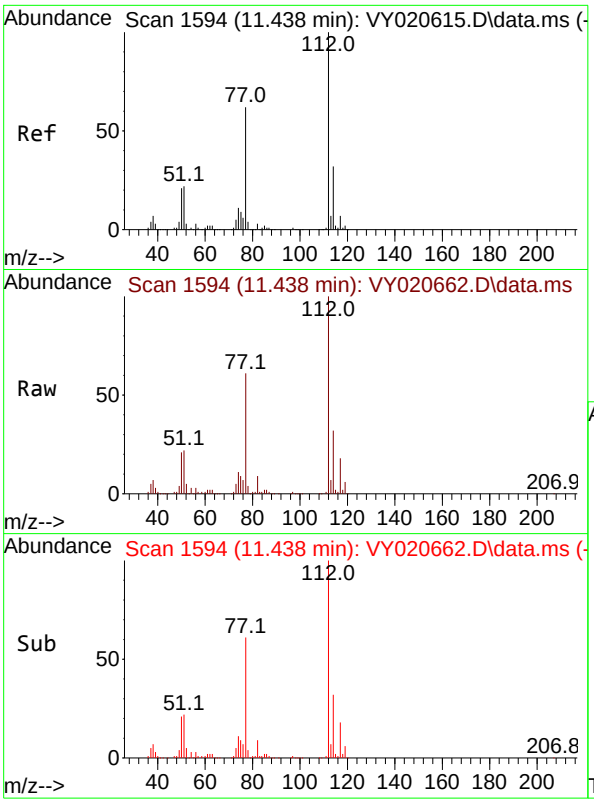


#64
Tetrachloroethene
Concen: 19.519 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:164 Resp: 84956

Ion	Ratio	Lower	Upper
164	100		
166	126.0	97.9	146.9
129	94.1	73.4	110.0
131	89.8	70.6	106.0



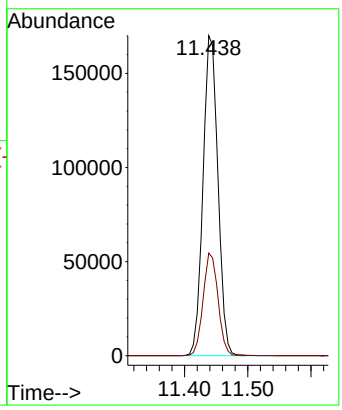


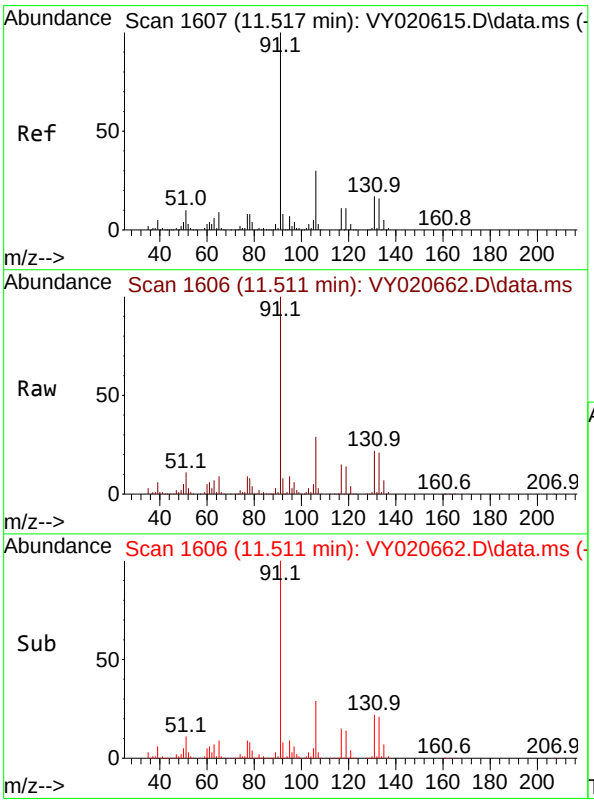
#65
Chlorobenzene
Concen: 21.570 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 279078

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0

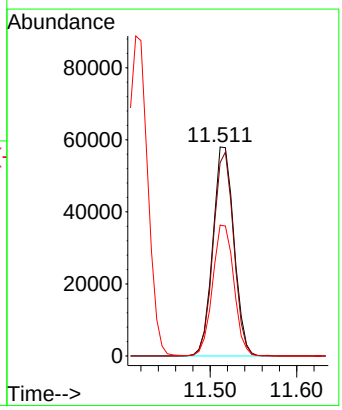


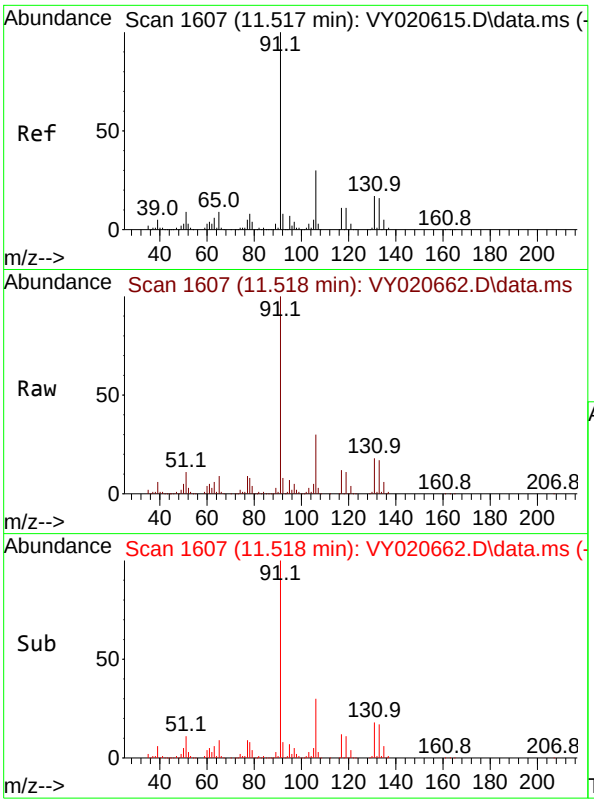


#66
1,1,1,2-Tetrachloroethane
Concen: 22.236 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:131 Resp: 98377

Ion	Ratio	Lower	Upper
131	100		
133	94.7	46.8	140.3
119	63.1	31.8	95.3



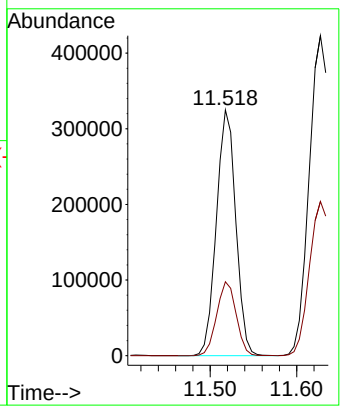


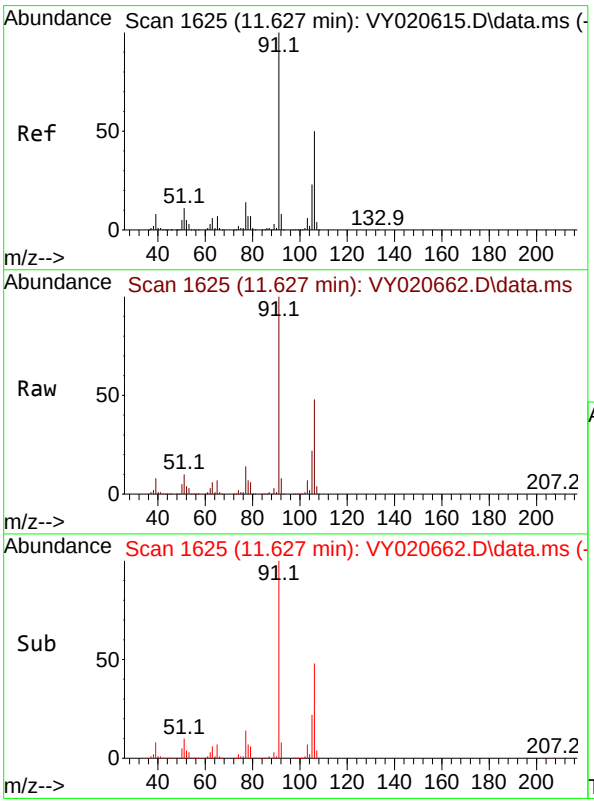
#67
Ethyl Benzene
Concen: 21.171 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 505339

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

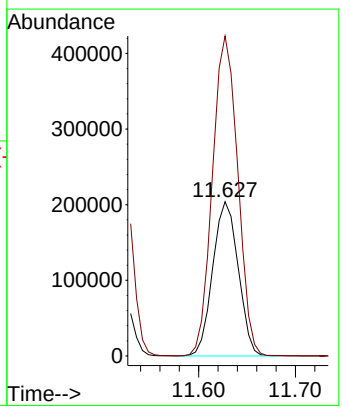


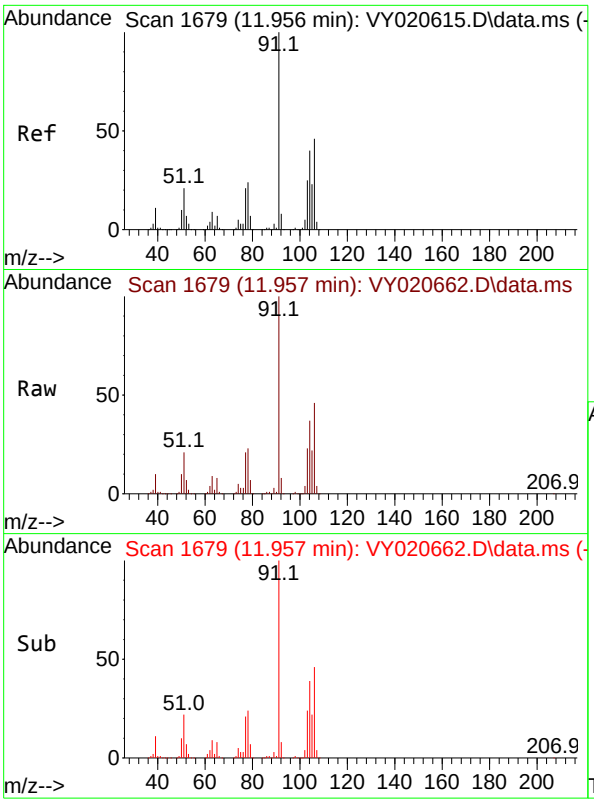


#68
m/p-Xylenes
Concen: 41.993 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:106 Resp: 372689

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4



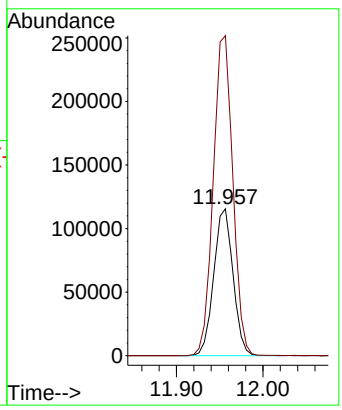


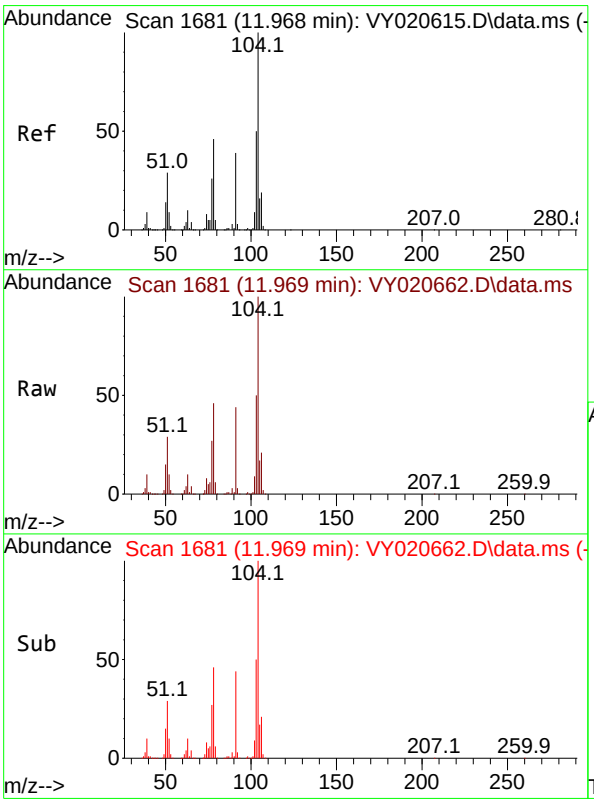
#69
o-Xylene
Concen: 21.597 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 178843

Ion	Ratio	Lower	Upper
106	100		
91	220.8	108.4	325.2

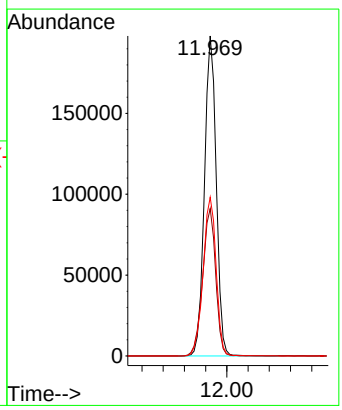


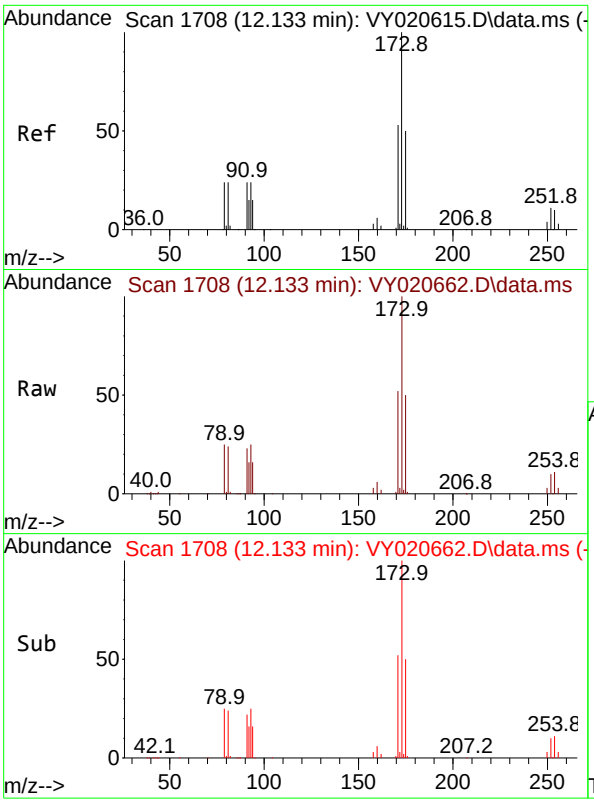


#70
Styrene
Concen: 22.040 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:104 Resp: 304930

Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.6	62.4
103	54.7	43.7	65.5



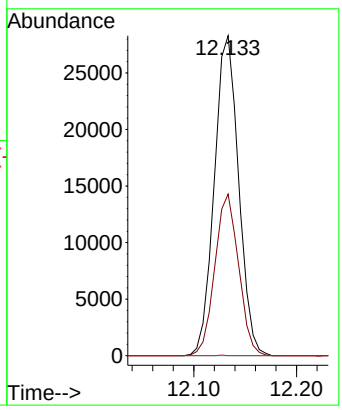


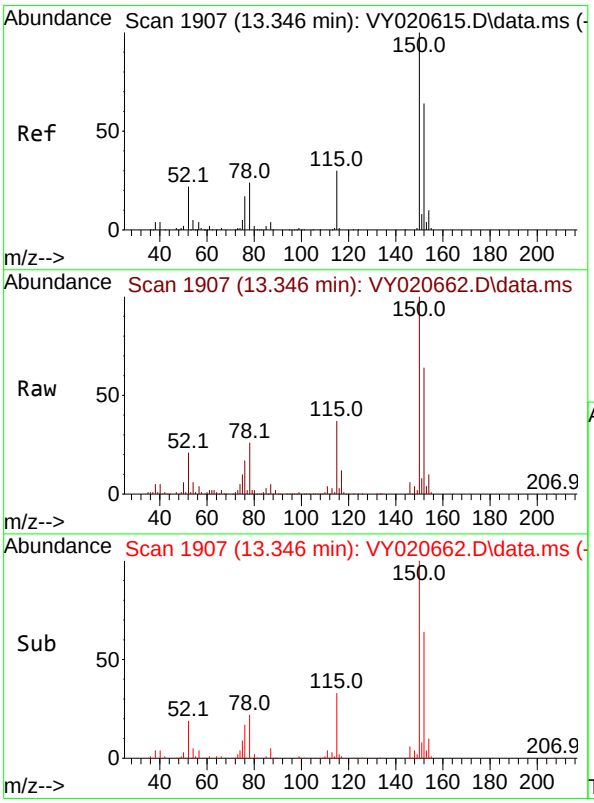
#71
Bromoform
Concen: 18.655 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 46403

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.0	0.0	0.0#

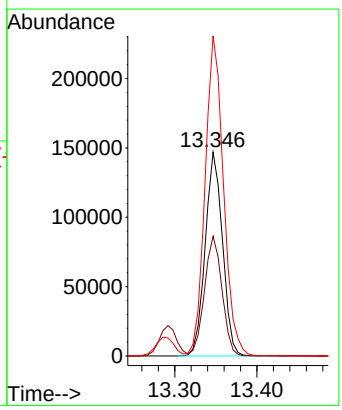


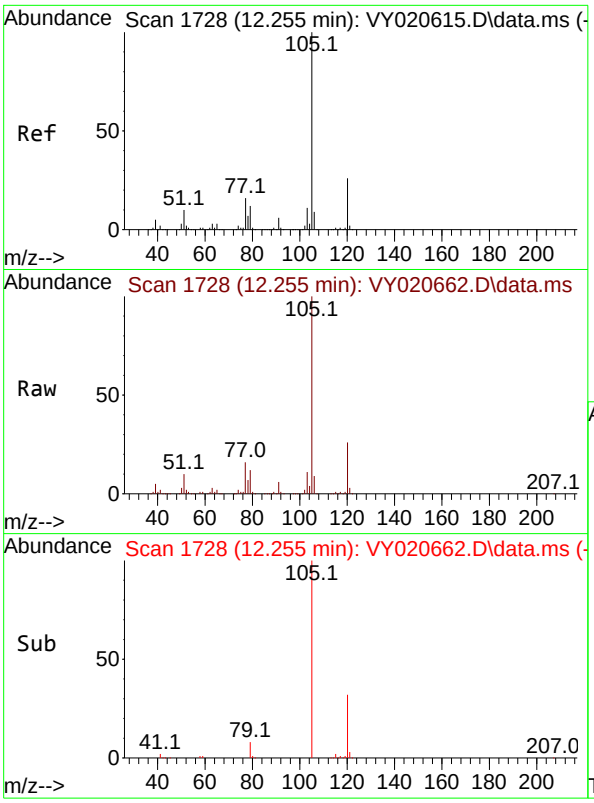


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:152 Resp: 215024

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.2	90.6
150	166.8	0.0	355.4



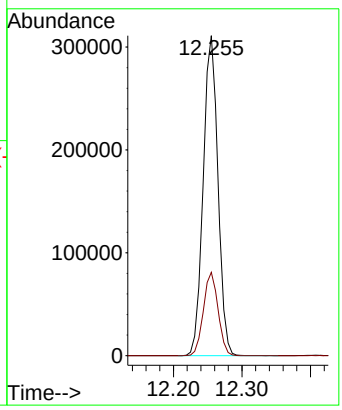


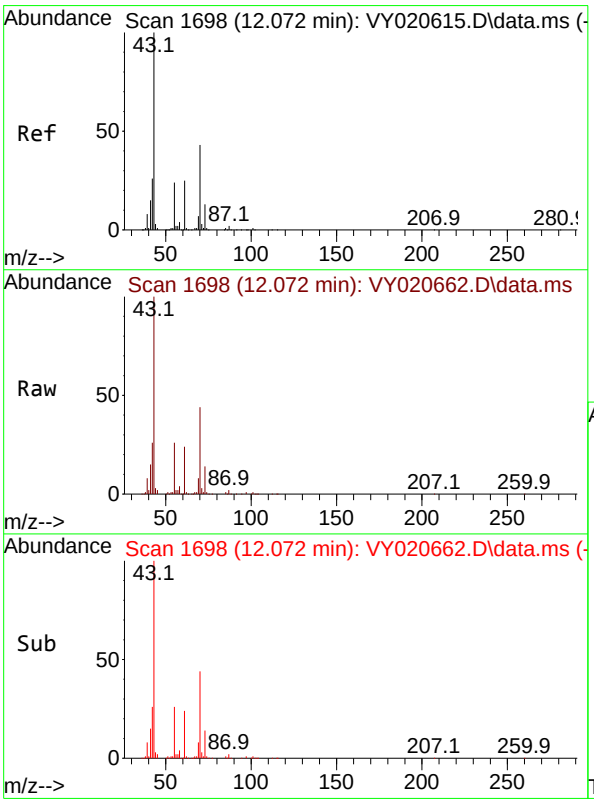
#73
Isopropylbenzene
Concen: 24.793 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 465228

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1

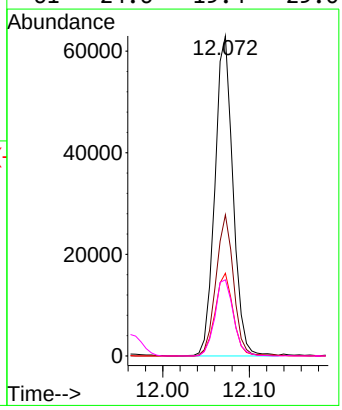


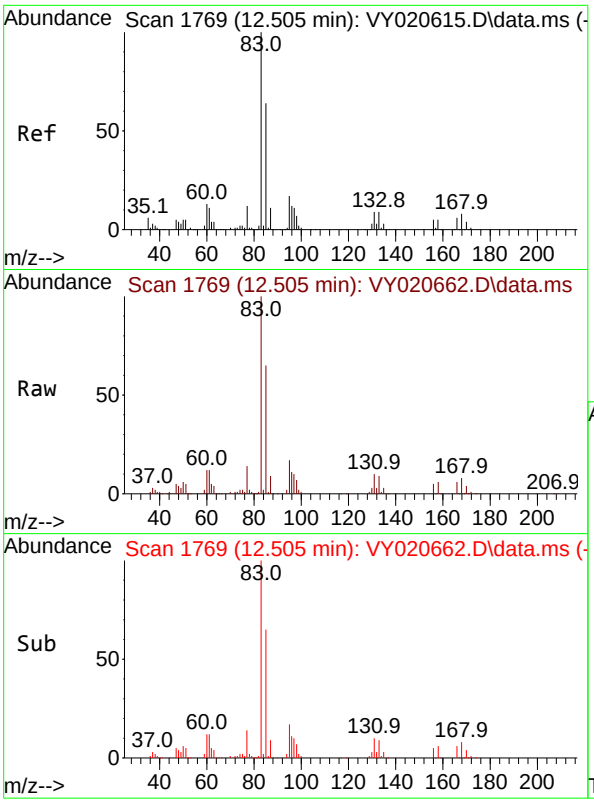


#74
N-amyl acetate
Concen: 20.789 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 43 Resp: 91294

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.2	51.2
55	25.7	19.6	29.4
61	24.6	19.4	29.0



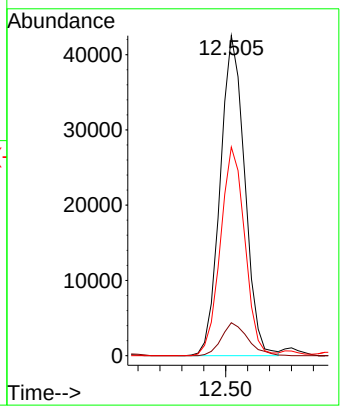


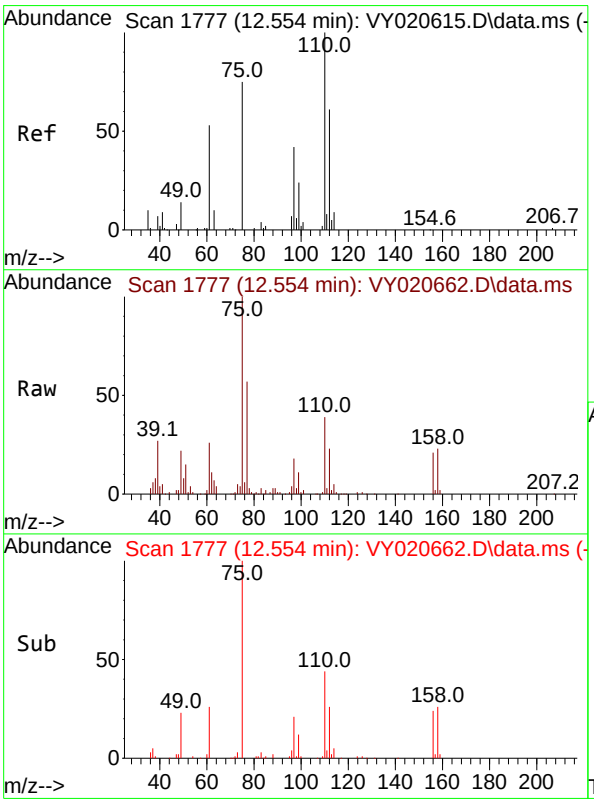
#75
1,1,2,2-Tetrachloroethane
Concen: 21.676 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 66021

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	64.9	32.5	97.4

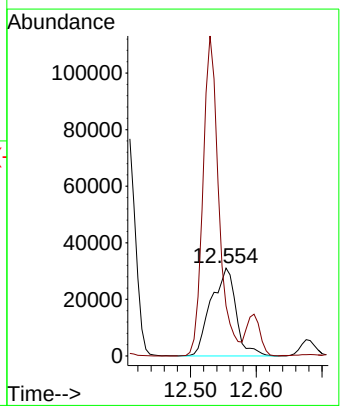


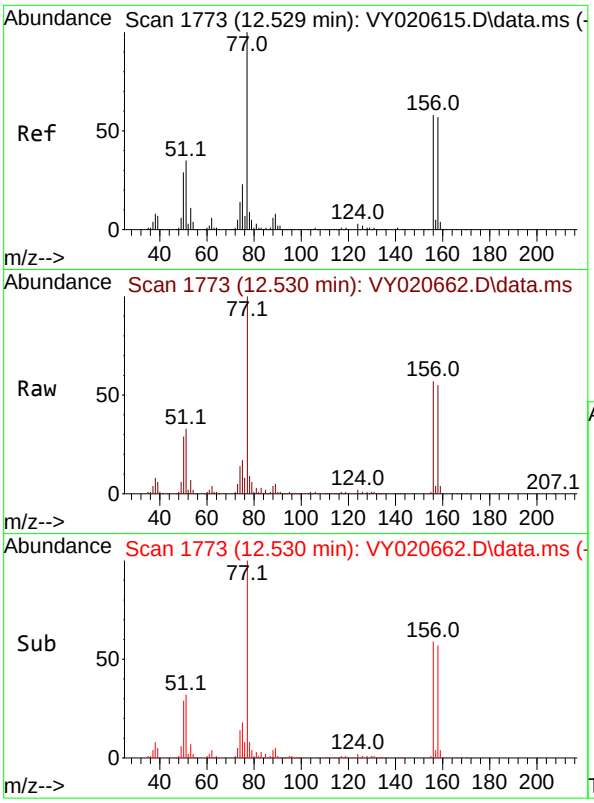


#76
1,2,3-Trichloropropane
Concen: 36.712 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 82002

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



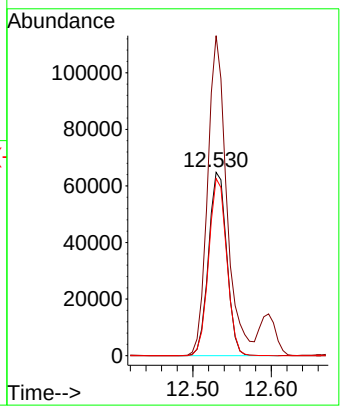


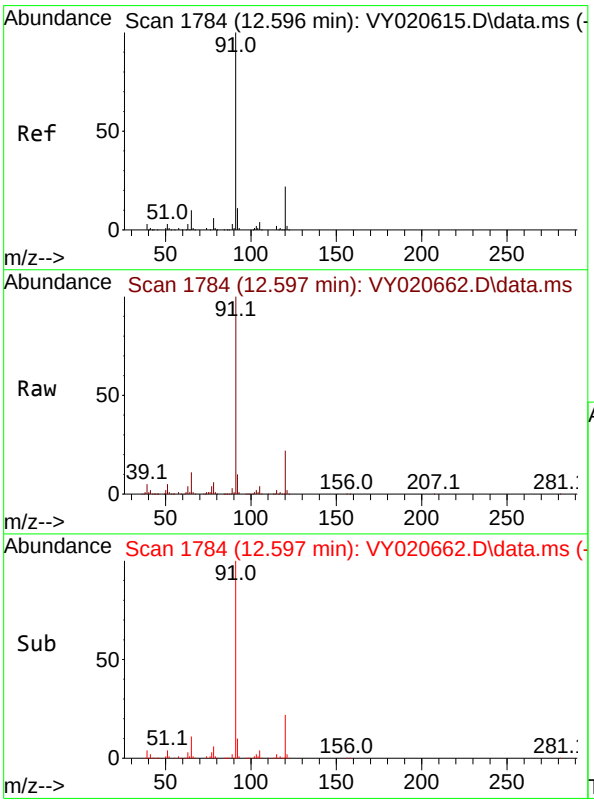
#77
Bromobenzene
Concen: 25.517 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 104296

Ion	Ratio	Lower	Upper
156	100		
77	183.5	94.2	282.4
158	96.0	48.9	146.6

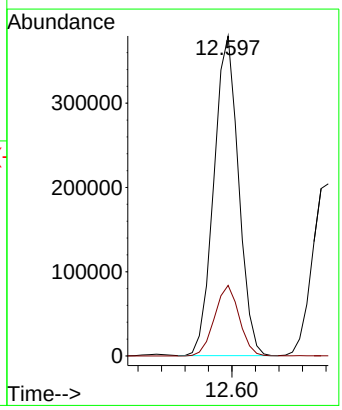


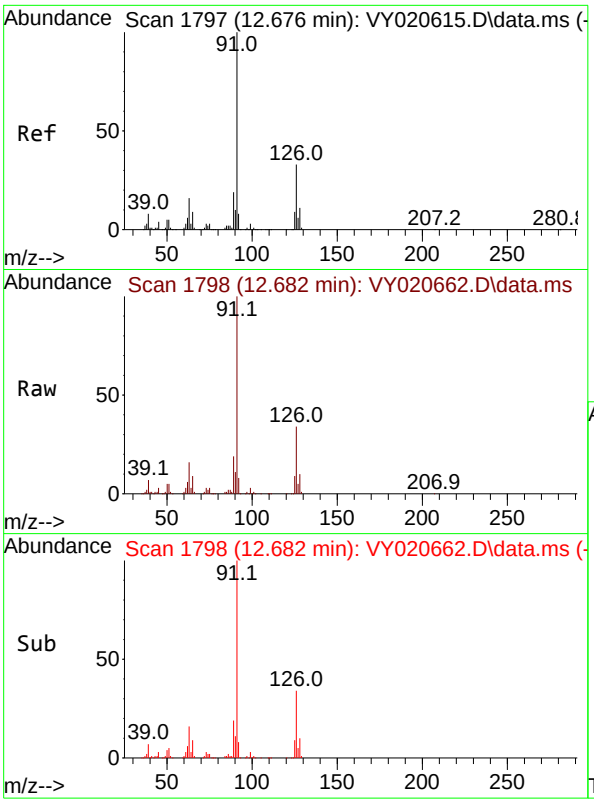


#78
n-propylbenzene
Concen: 24.484 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 553504

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



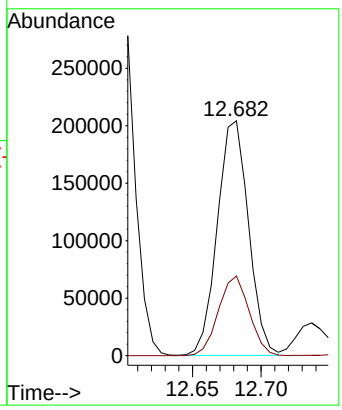


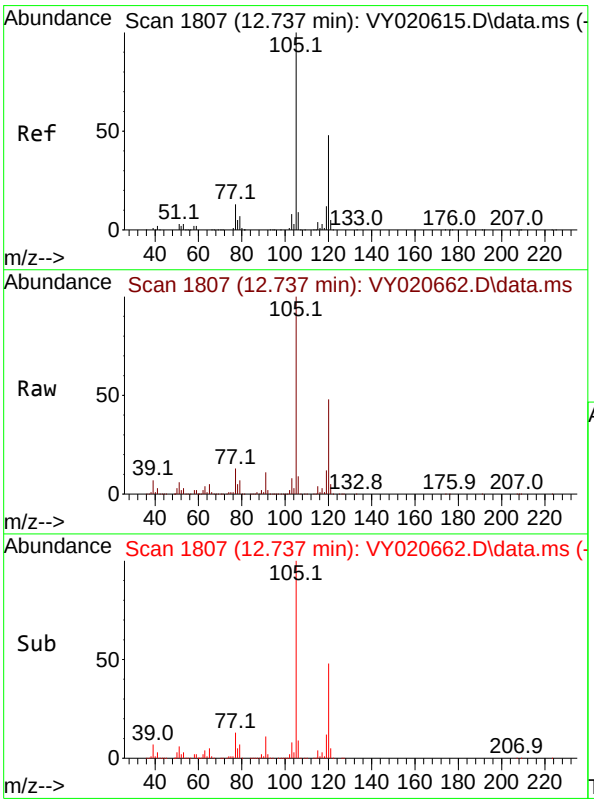
#79
2-Chlorotoluene
Concen: 25.431 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 323466

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7

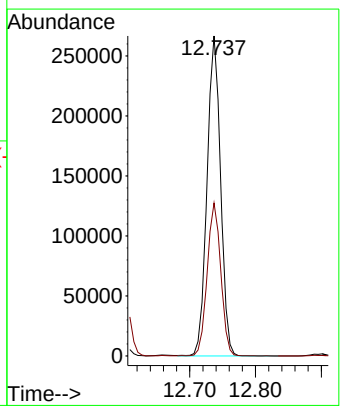


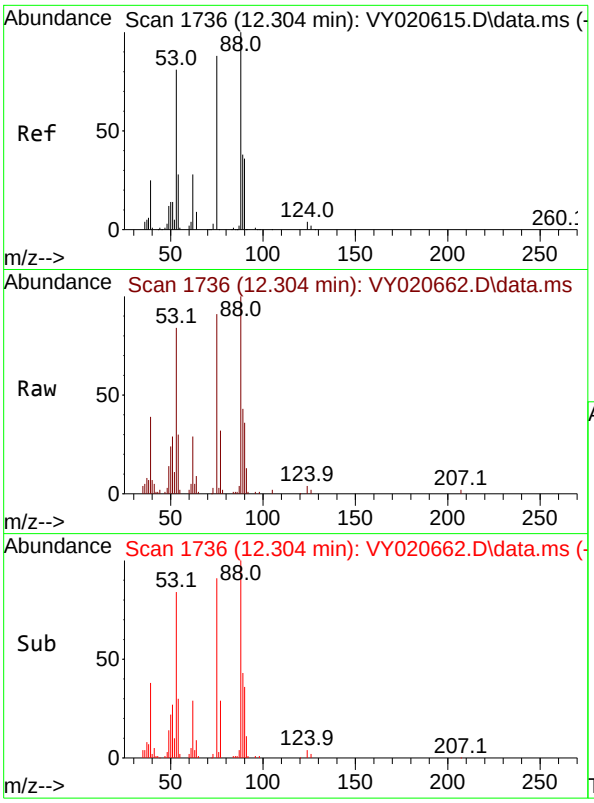


#80
1,3,5-Trimethylbenzene
Concen: 25.099 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 382148

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



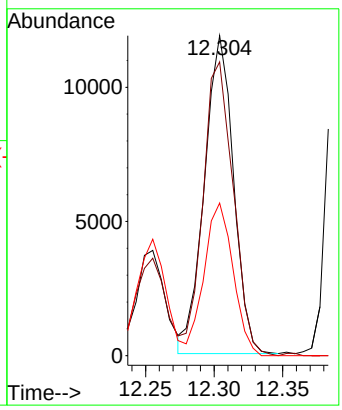


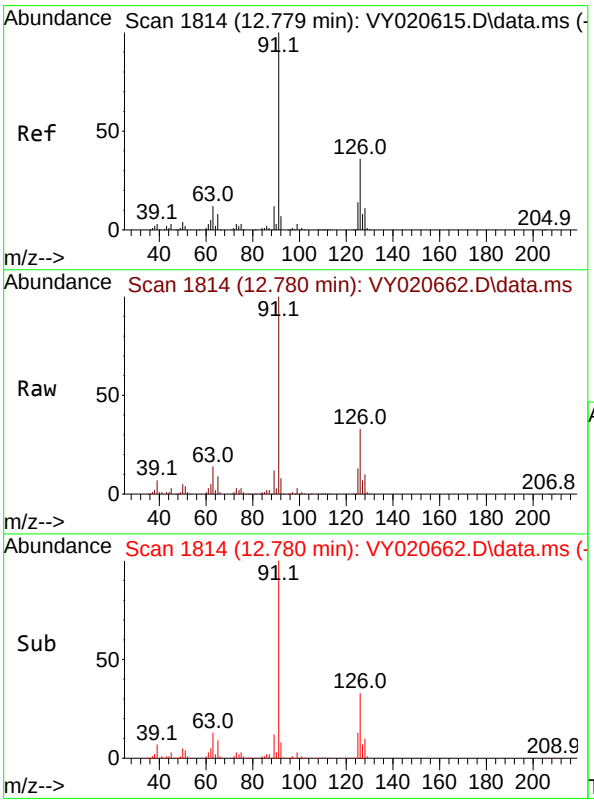
#81
trans-1,4-Dichloro-2-butene
Concen: 16.420 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 17473

Ion	Ratio	Lower	Upper
75	100		
53	96.5	75.4	113.2
89	47.7	37.0	55.4

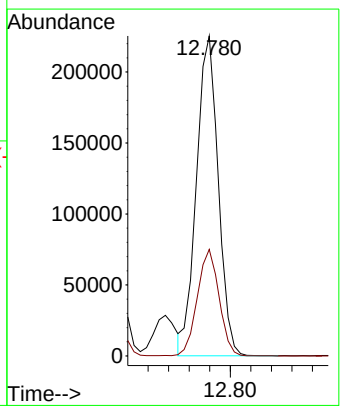


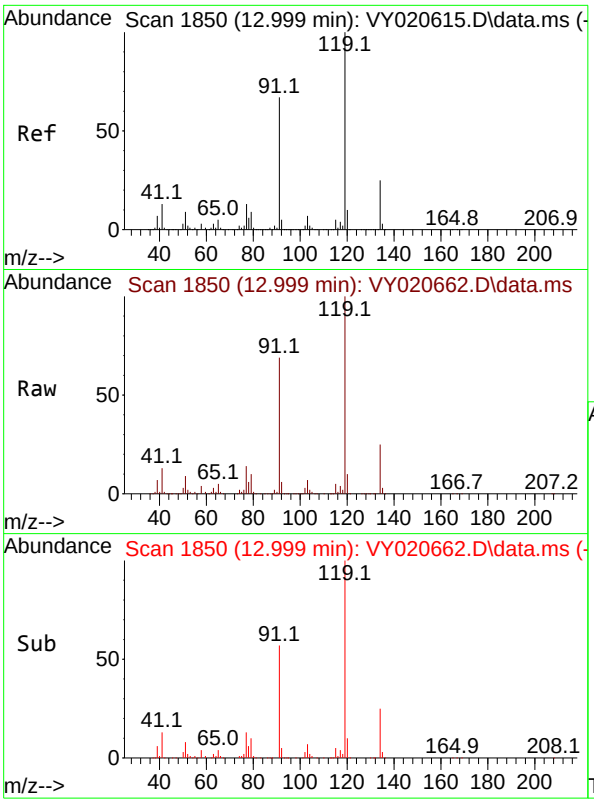


#82
4-Chlorotoluene
Concen: 25.151 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 91 Resp: 331880

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7



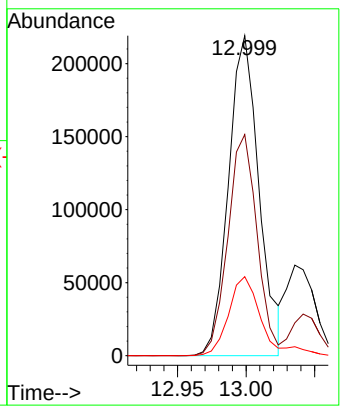


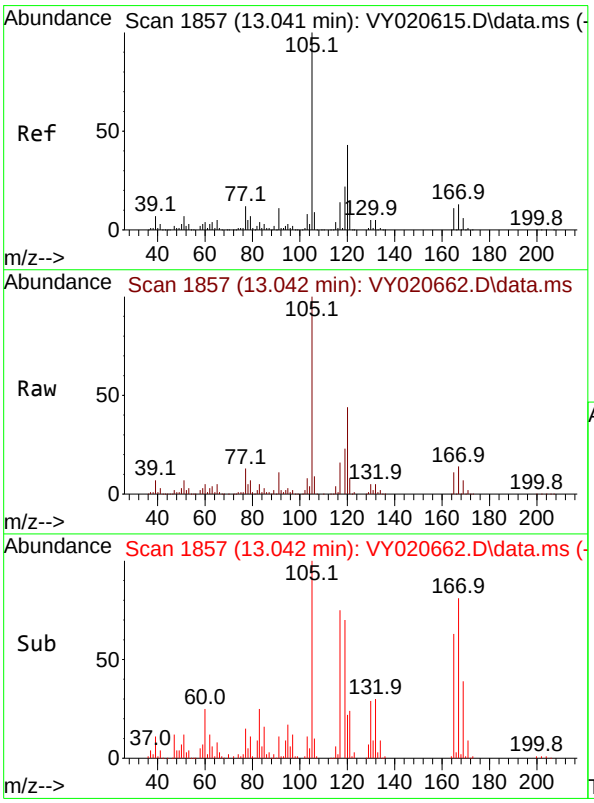
#83
tert-Butylbenzene
Concen: 24.673 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 340217

Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.9	98.6
134	26.6	13.1	39.1

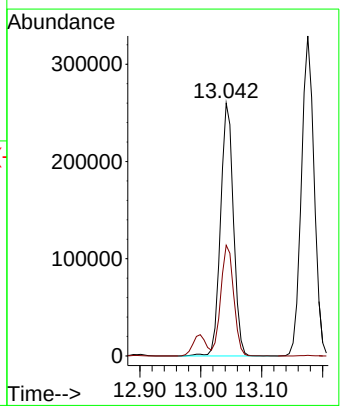


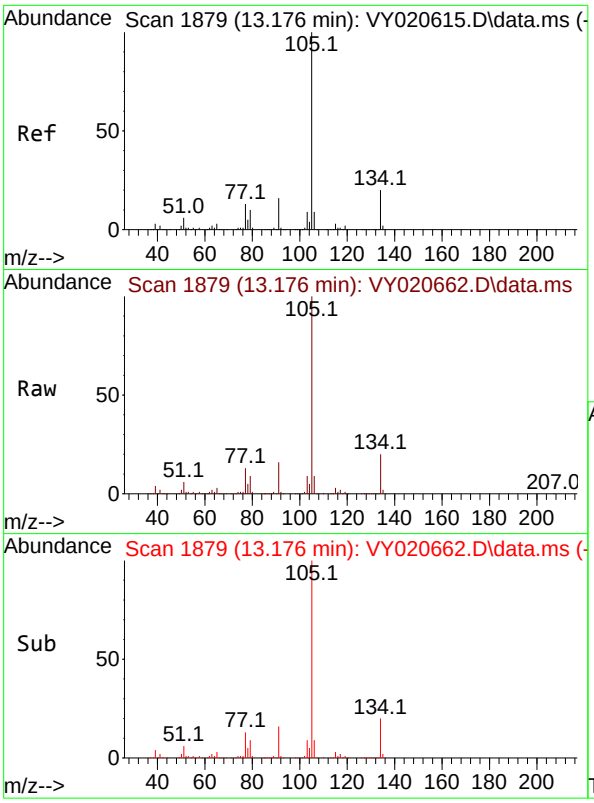


#84
1,2,4-Trimethylbenzene
Concen: 25.518 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:105 Resp: 381099

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4



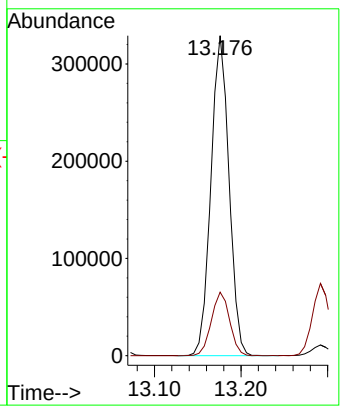


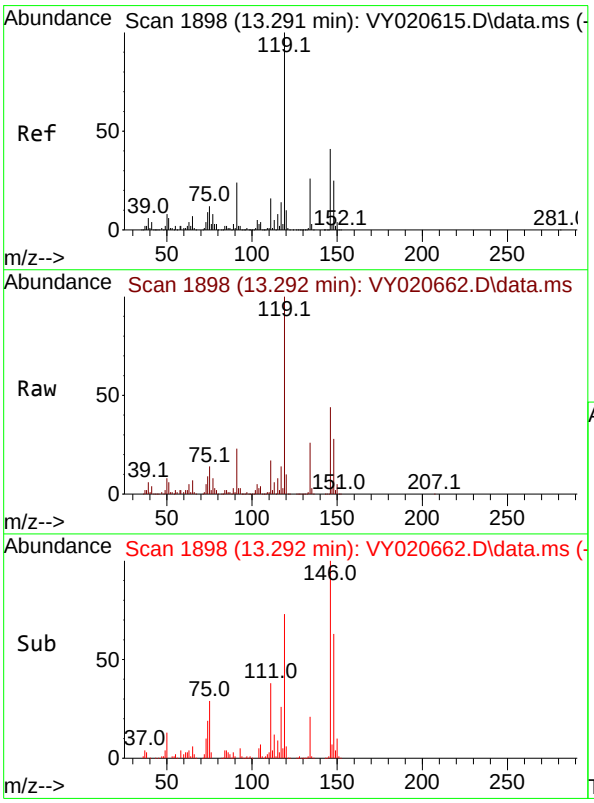
#85
sec-Butylbenzene
Concen: 23.788 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 476911

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

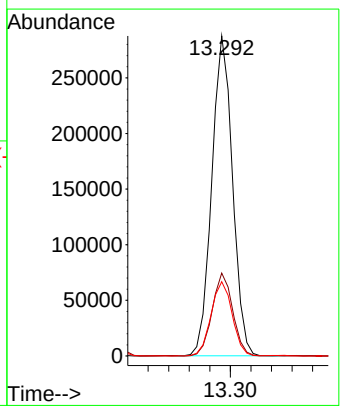


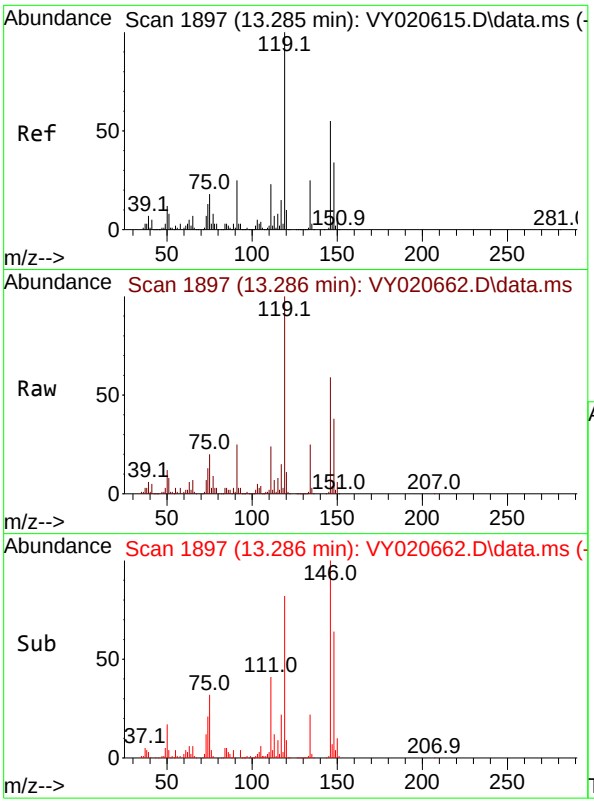


#86
p-Isopropyltoluene
Concen: 24.313 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:119 Resp: 401897

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	23.7	12.1	36.3



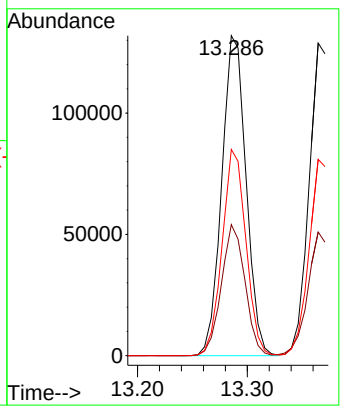


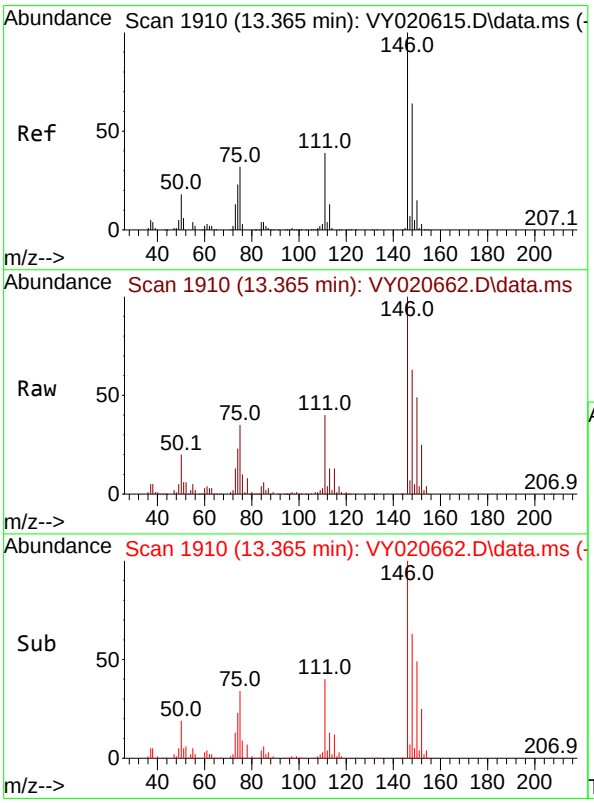
#87
1,3-Dichlorobenzene
Concen: 25.211 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 203420

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	63.1	31.4	94.0

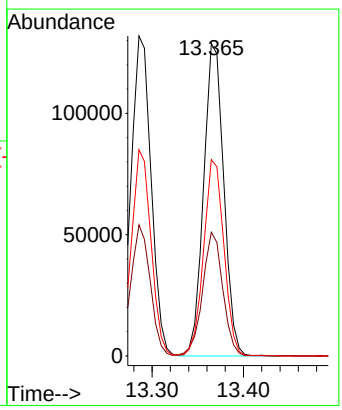


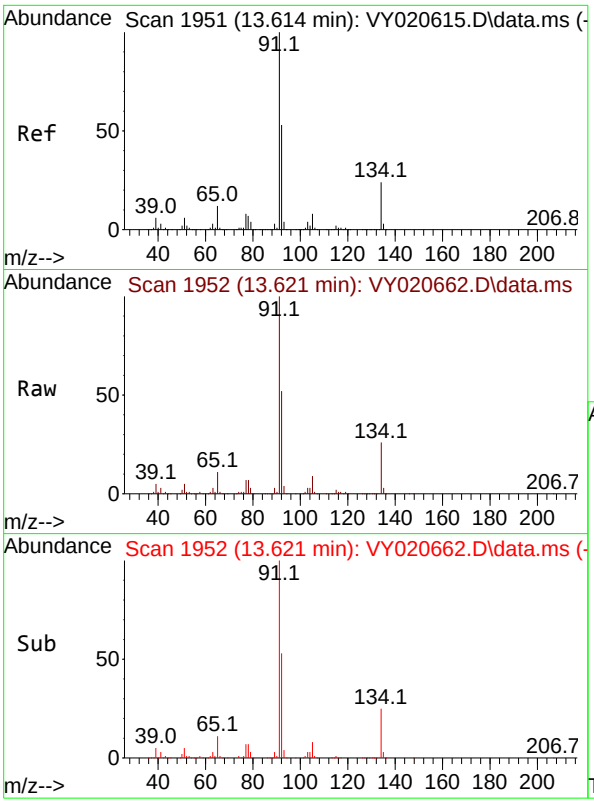


#88
1,4-Dichlorobenzene
Concen: 24.659 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:146 Resp: 197059

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	63.4	31.9	95.5



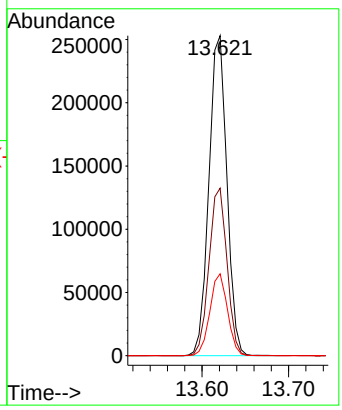


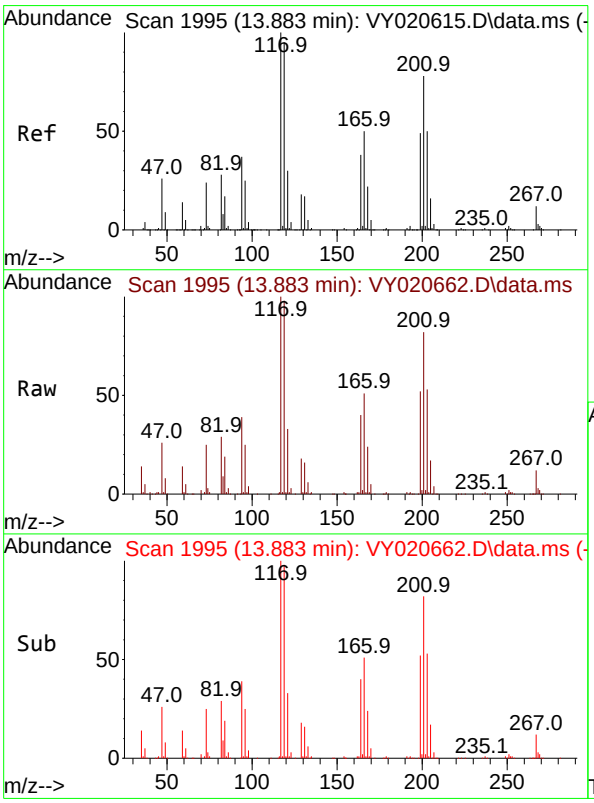
#89
n-Butylbenzene
Concen: 23.273 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 364597

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	25.1	12.5	37.5

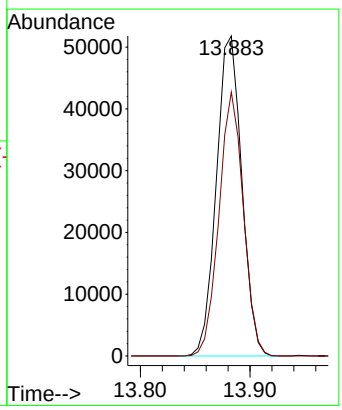


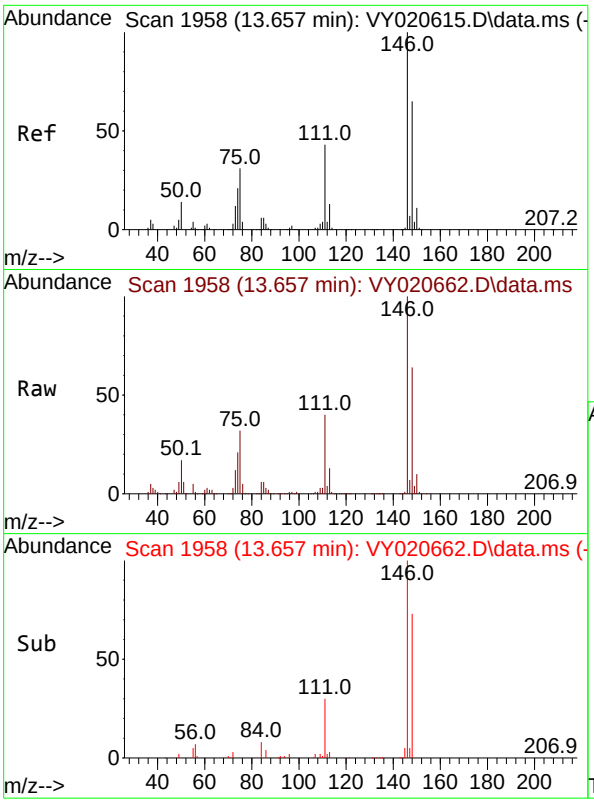


#90
Hexachloroethane
Concen: 25.445 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:117 Resp: 83352

Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.1	117.3



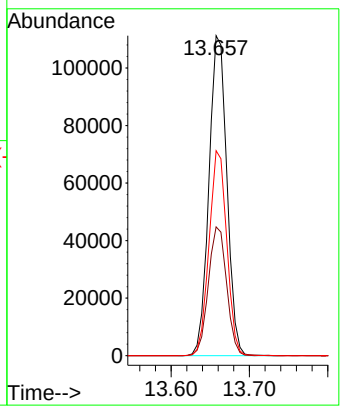


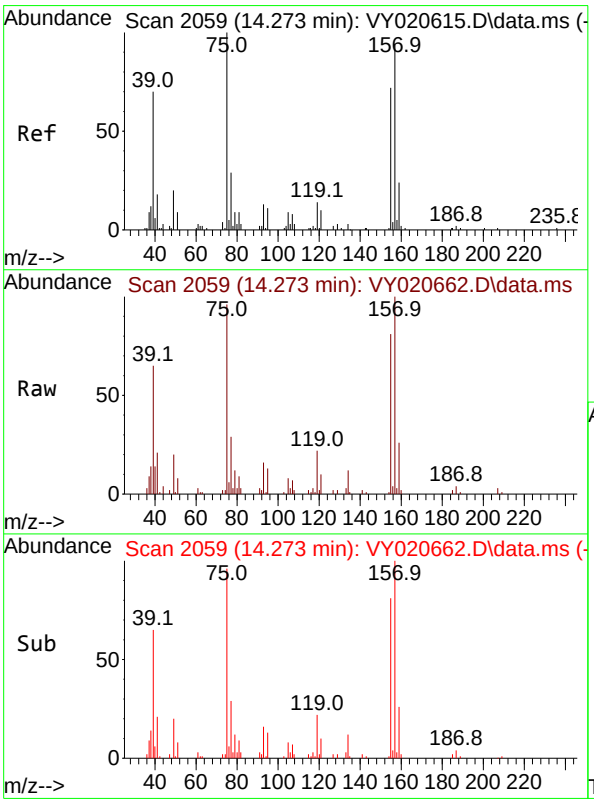
#91
1,2-Dichlorobenzene
Concen: 25.231 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 176385

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.7
148	63.4	32.0	96.0

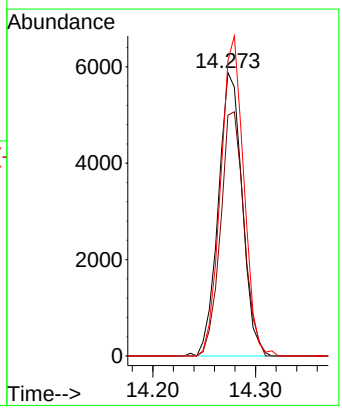


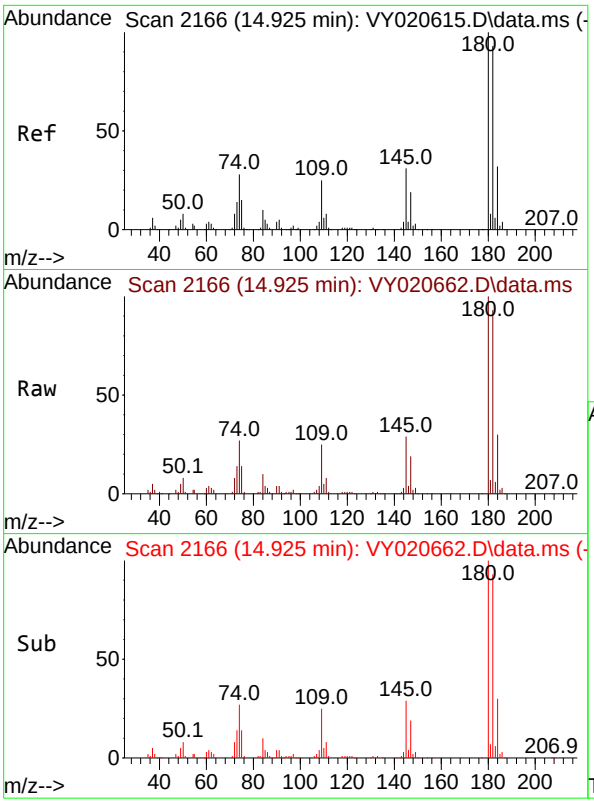


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.161 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion: 75 Resp: 9475

Ion	Ratio	Lower	Upper
75	100		
155	84.5	41.1	123.3
157	108.9	52.9	158.8



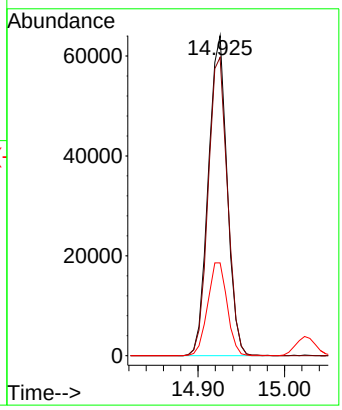


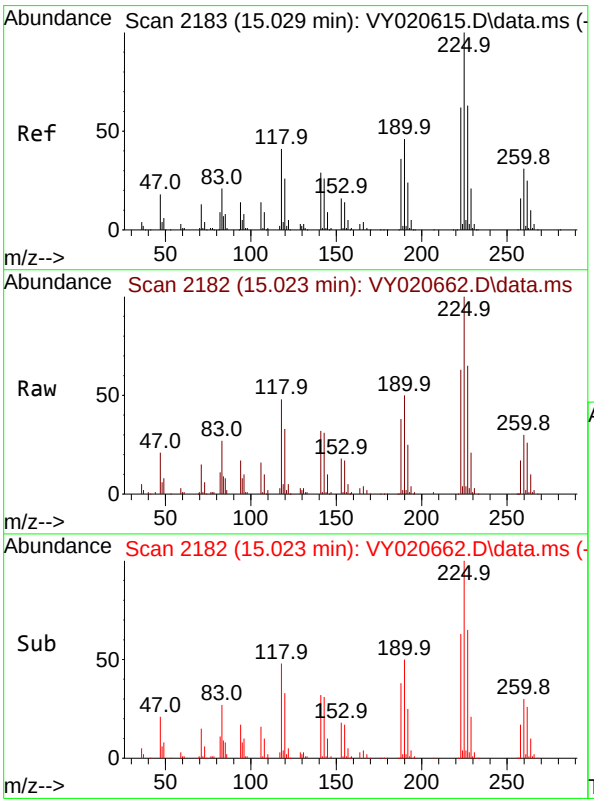
#93
1,2,4-Trichlorobenzene
Concen: 22.816 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 96481

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	30.1	15.6	46.7

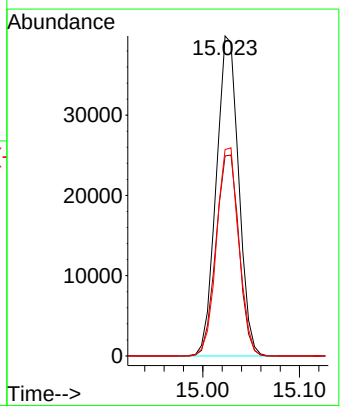


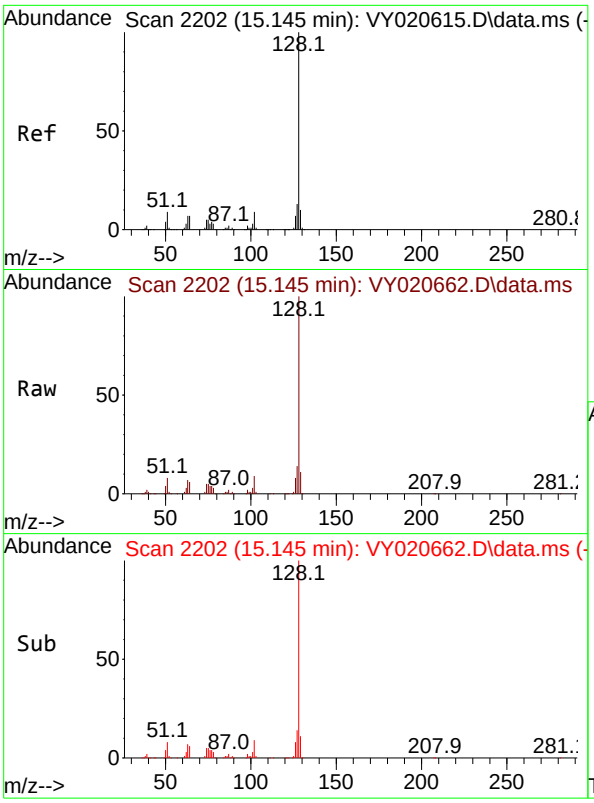


#94
Hexachlorobutadiene
Concen: 23.197 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:225 Resp: 64124

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.8	95.3
227	64.5	32.2	96.6



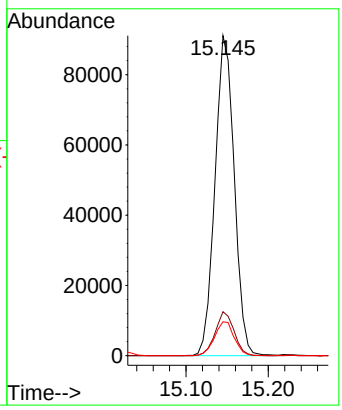


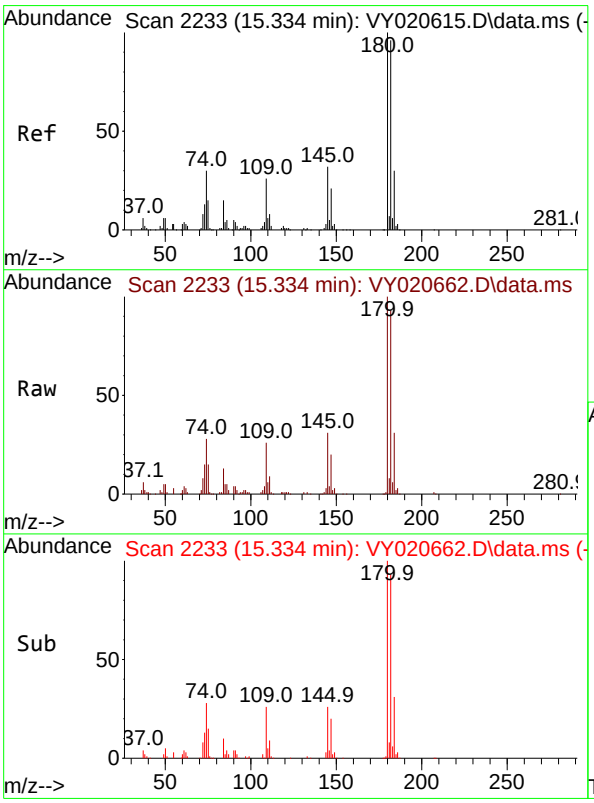
#95
Naphthalene
Concen: 20.504 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 148643

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.5	12.7

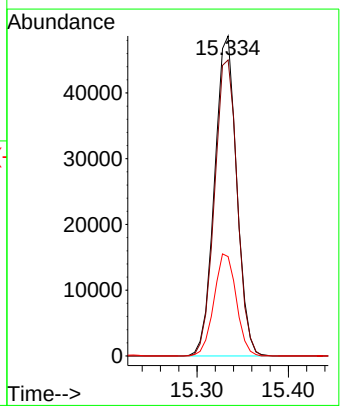




#96
1,2,3-Trichlorobenzene
Concen: 22.922 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020662.D
Acq: 19 Dec 2024 17:56

Tgt Ion:180 Resp: 81895

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	32.1	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)

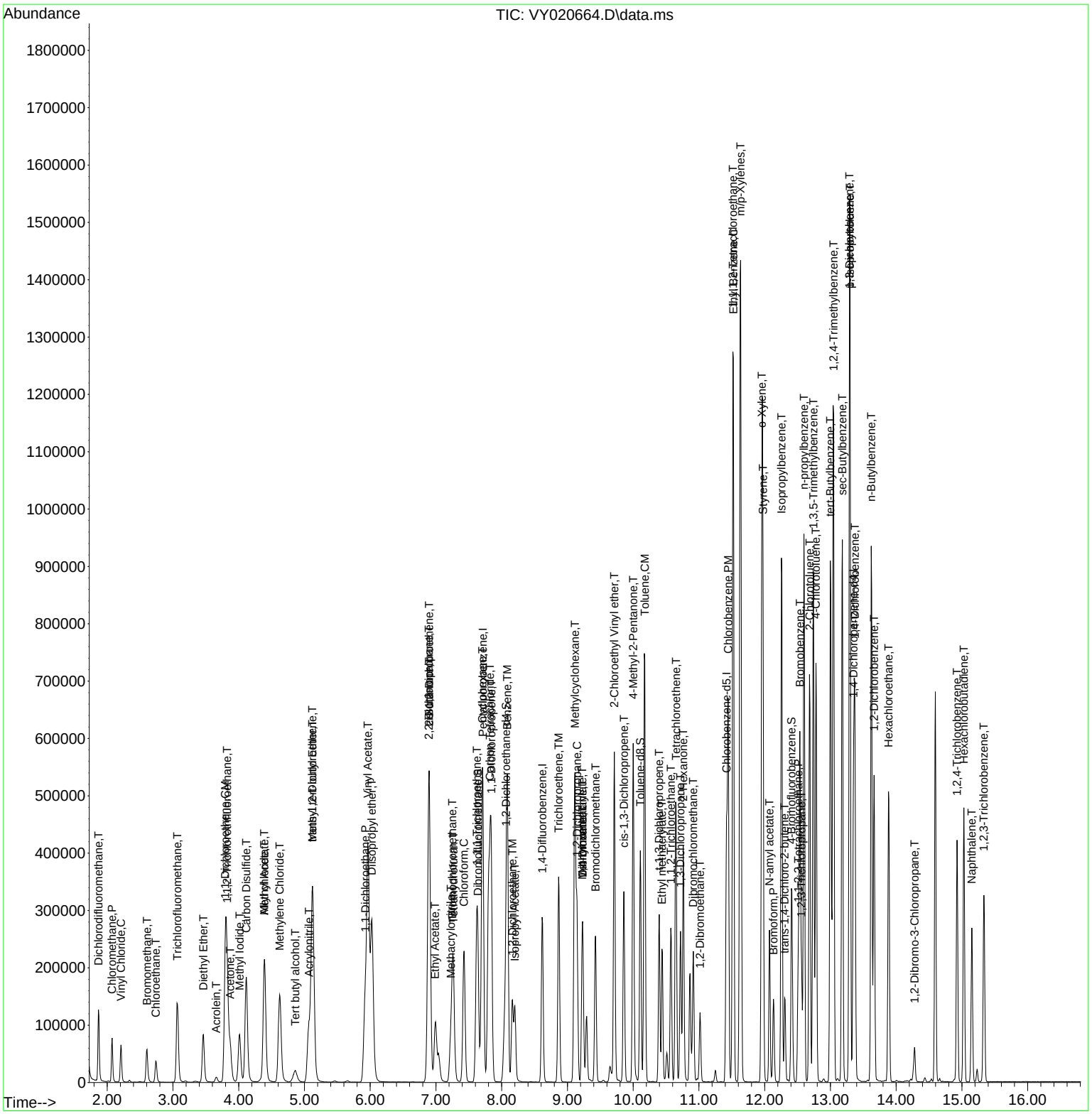
(#) = qualifier out of range (m) = manual integration (+) = signals summed

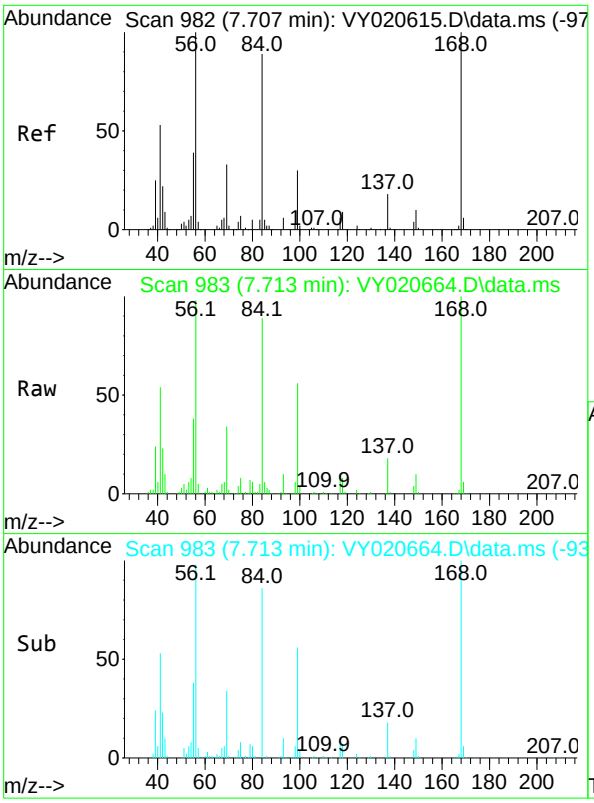
Quantitation Report (Not Reviewed)

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



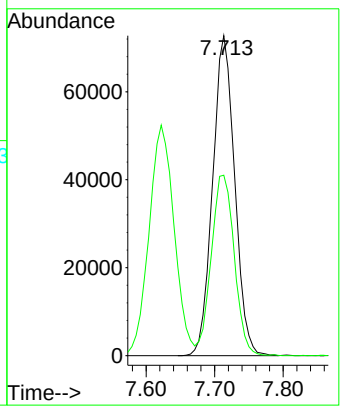


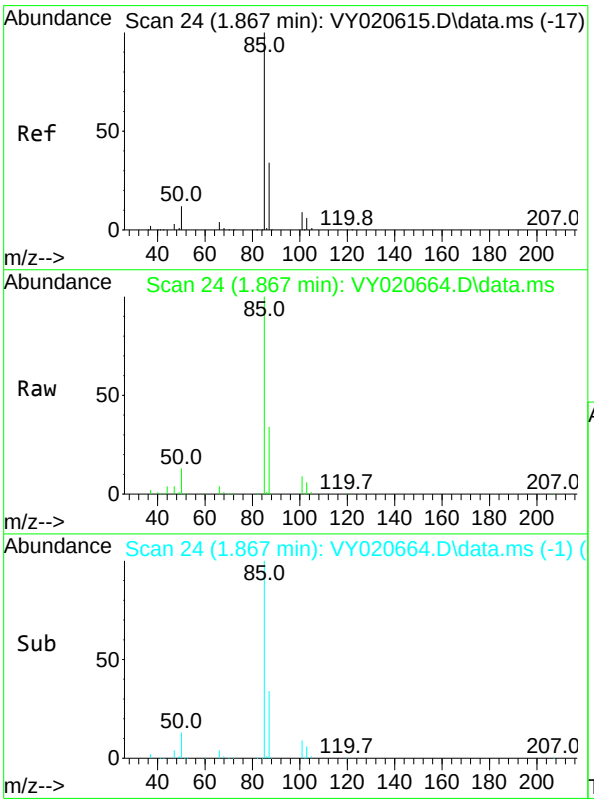
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 162547

Ion	Ratio	Lower	Upper
168	100		
99	56.3	47.0	70.6

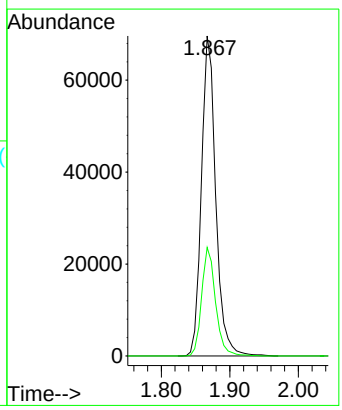


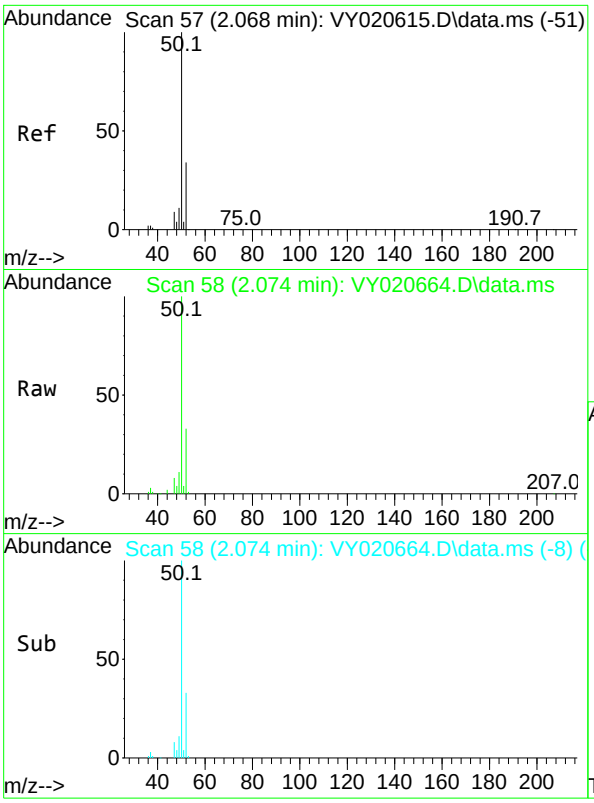


#2
Dichlorodifluoromethane
Concen: 49.863 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 85 Resp: 101237

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.8	50.3



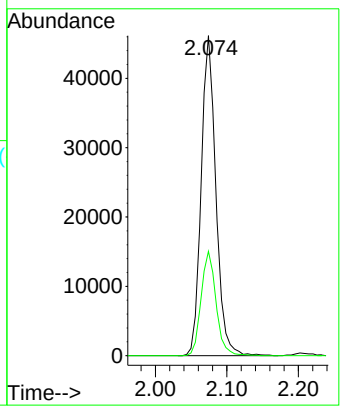


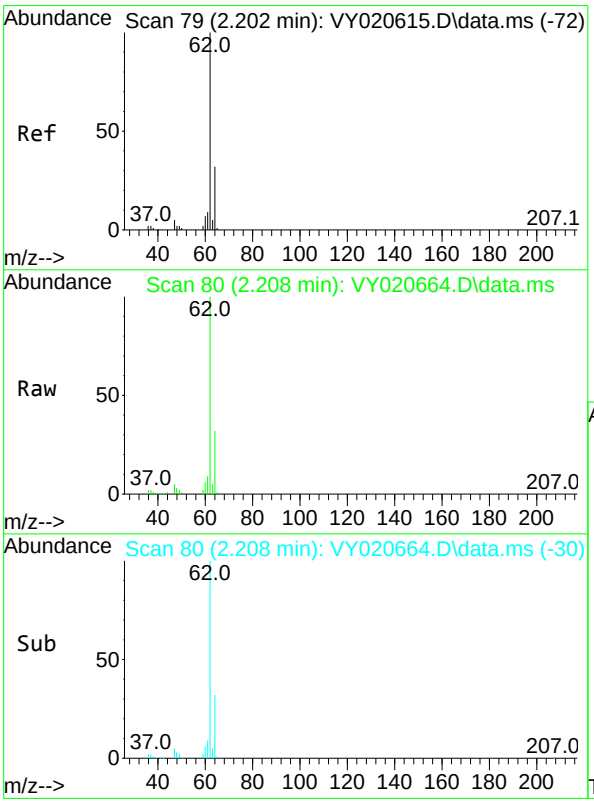
#3
Chloromethane
Concen: 43.800 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 65890

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

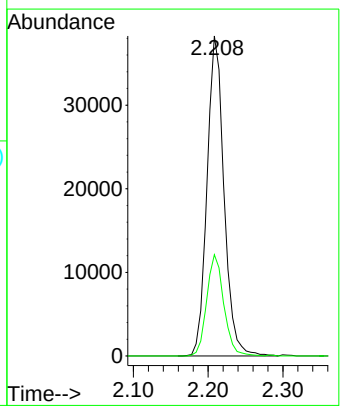


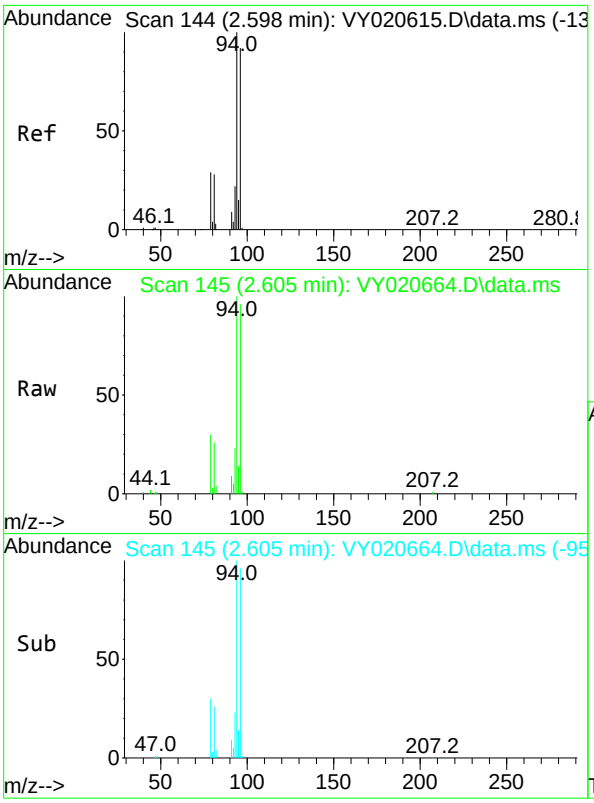


#4
Vinyl Chloride
Concen: 43.169 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 60443

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



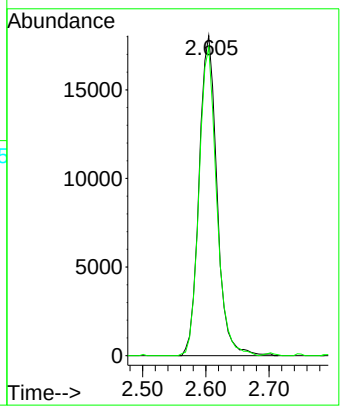


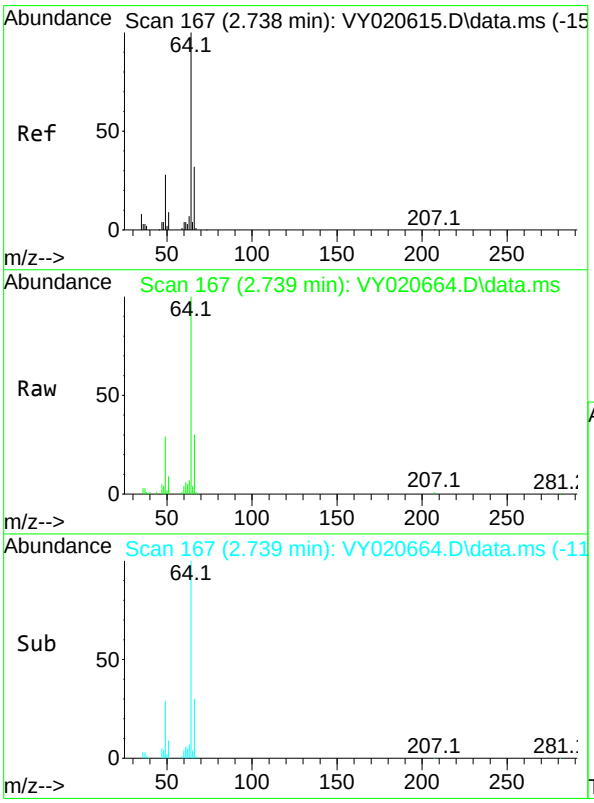
#5
Bromomethane
Concen: 39.522 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 35571

Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.8	110.6

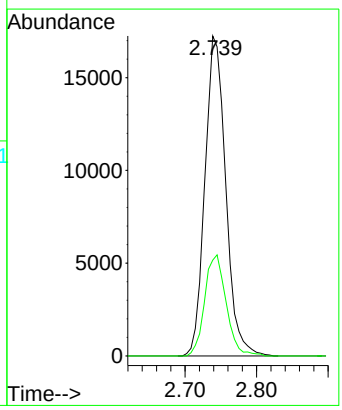


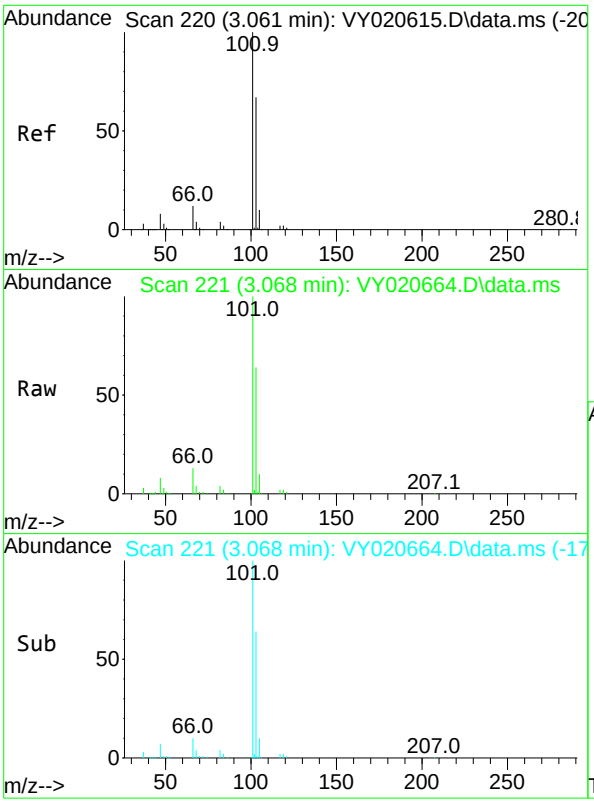


#6
Chloroethane
Concen: 40.318 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 64 Resp: 34884

Ion	Ratio	Lower	Upper
64	100		
66	30.0	25.8	38.6



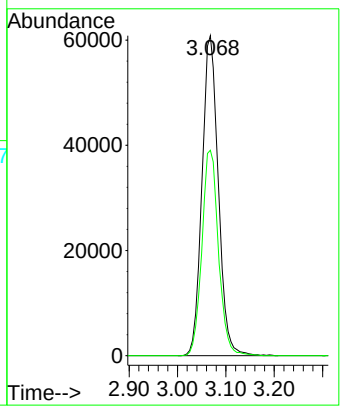


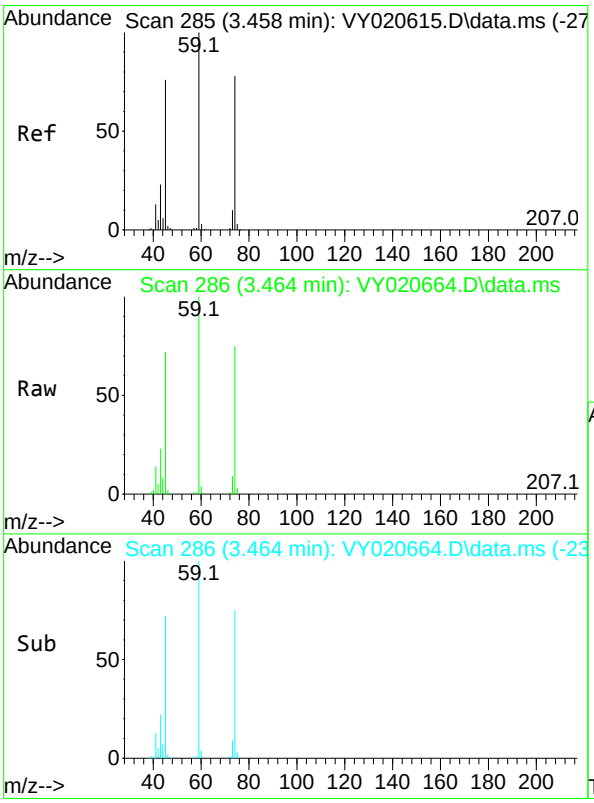
#7
Trichlorofluoromethane
Concen: 48.639 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 142498

Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0

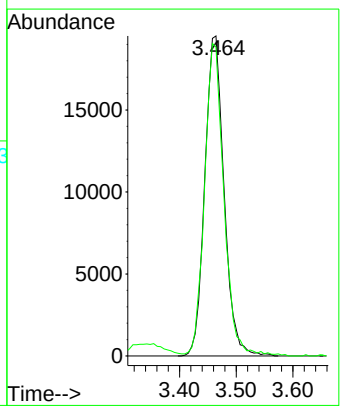


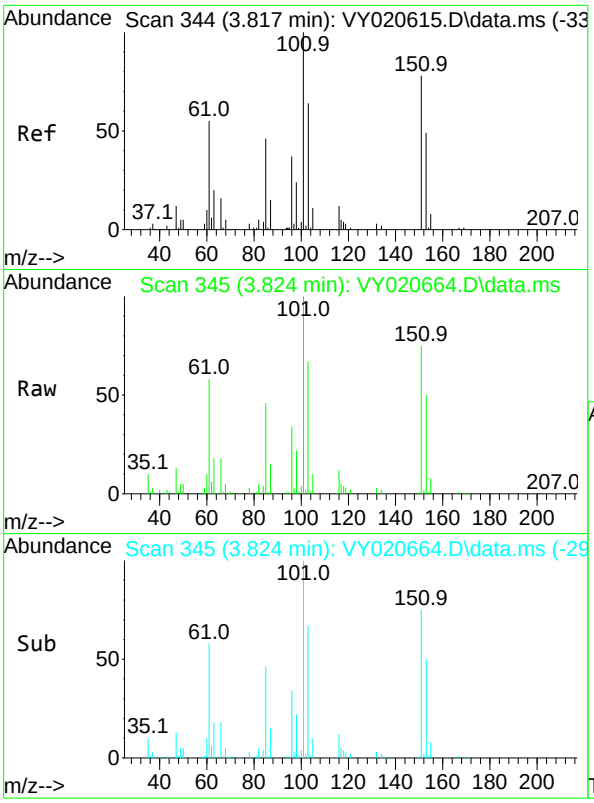


#8
Diethyl Ether
Concen: 44.802 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 74 Resp: 46033

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2



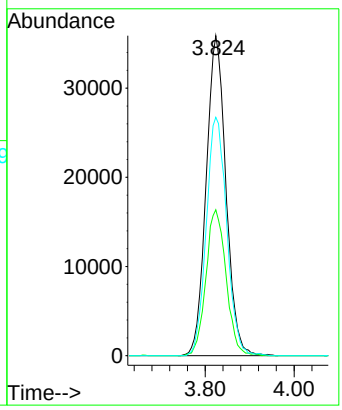


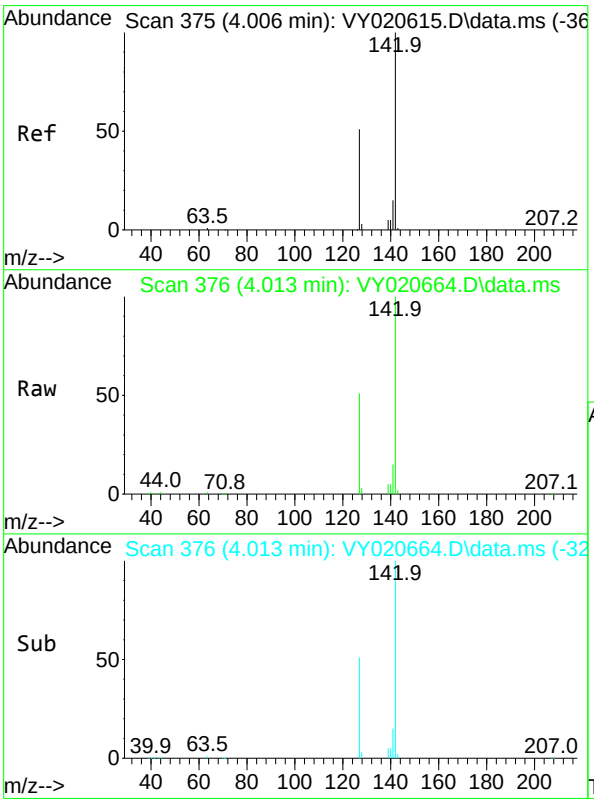
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.831 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

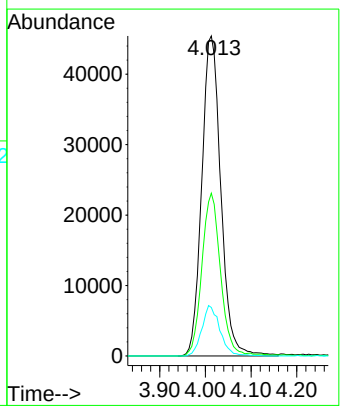


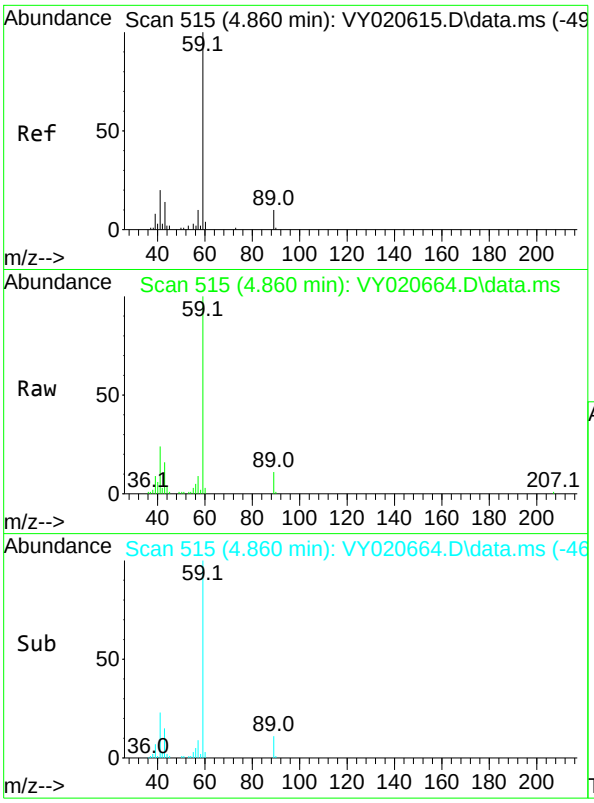


#10
Methyl Iodide
Concen: 56.311 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



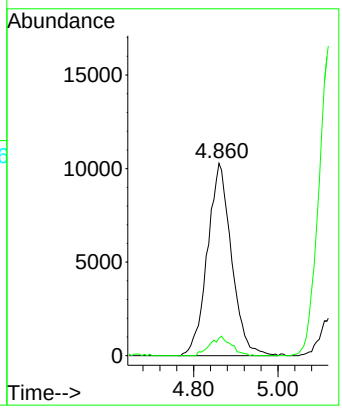


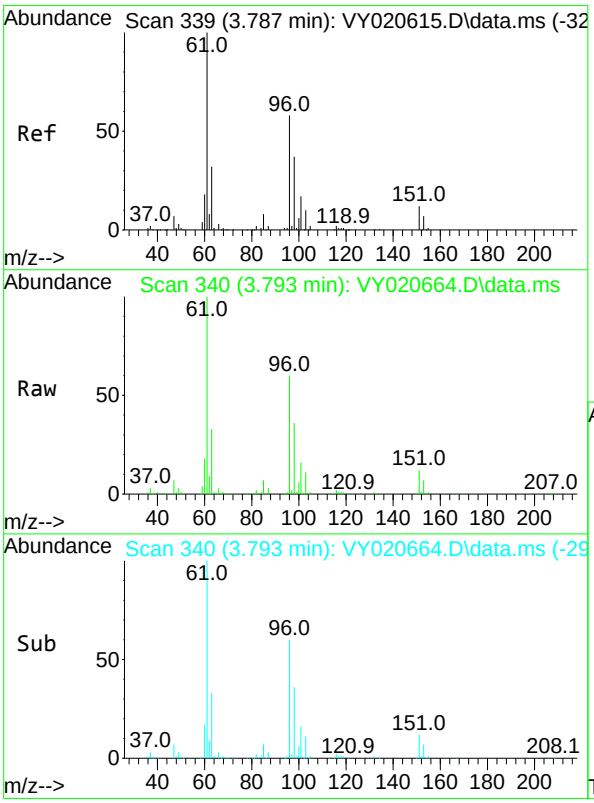
#11
Tert butyl alcohol
Concen: 212.136 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 40751

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.0

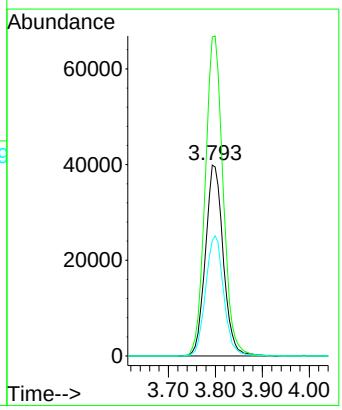


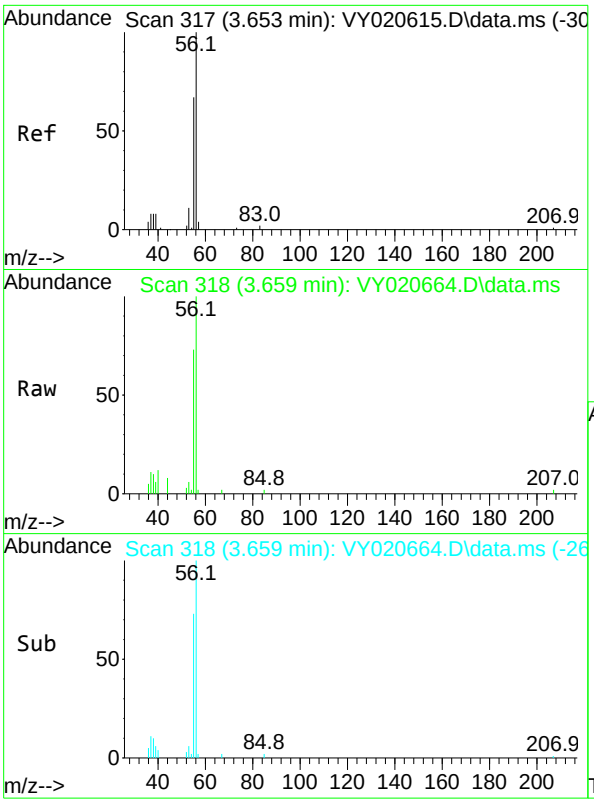


#12
1,1-Dichloroethene
Concen: 51.529 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



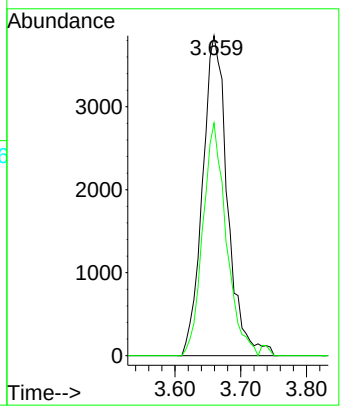


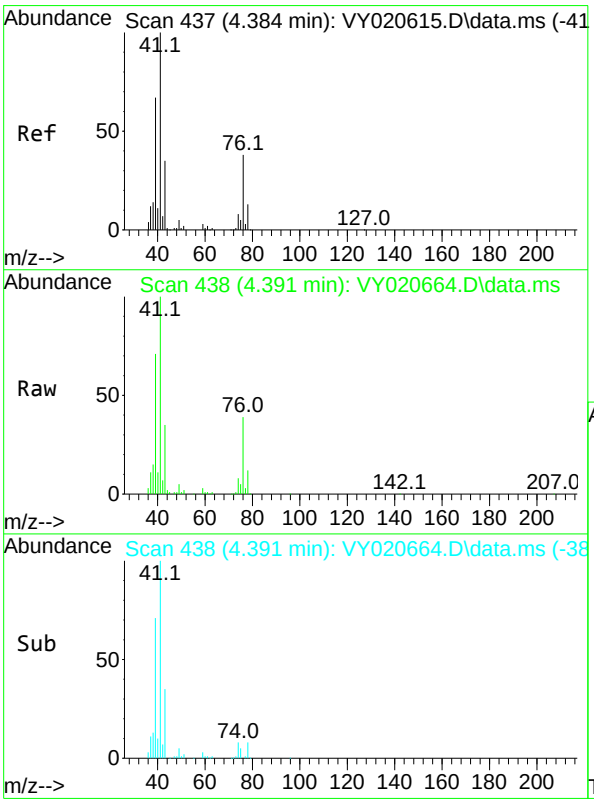
#13
Acrolein
Concen: 120.792 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 10168

Ion	Ratio	Lower	Upper
56	100		
55	68.3	57.5	86.3

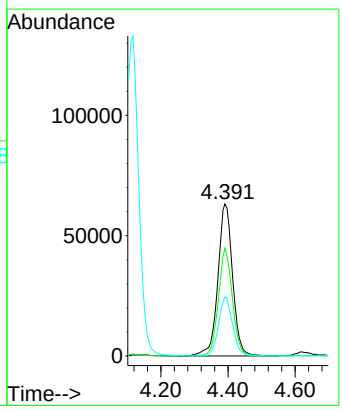


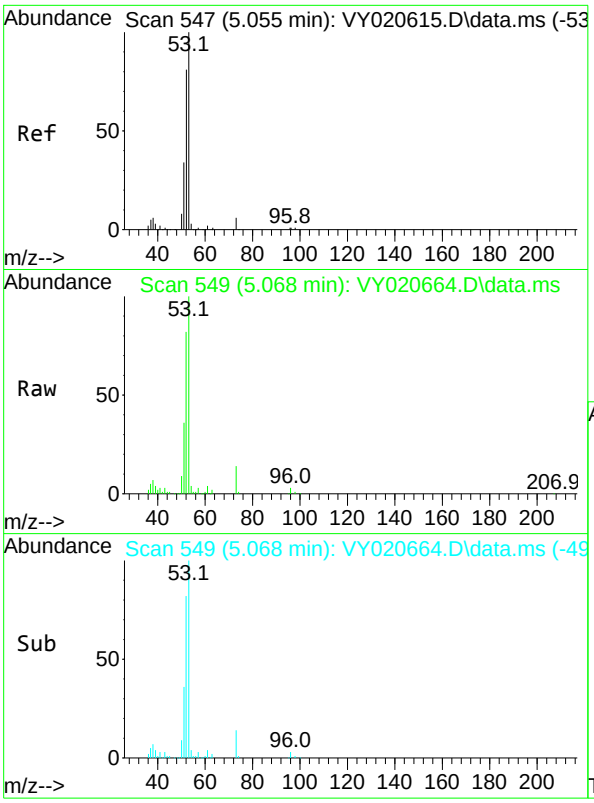


#14
Allyl chloride
Concen: 53.969 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



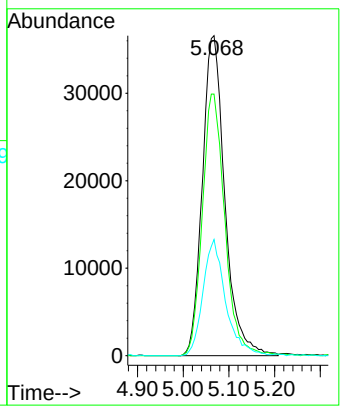


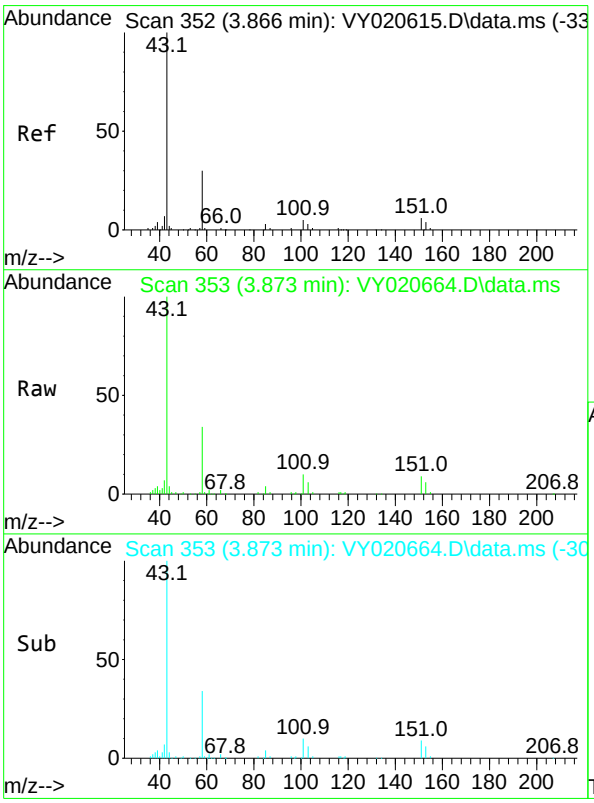
#15
Acrylonitrile
Concen: 254.850 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

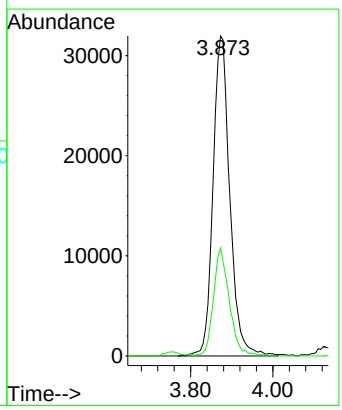


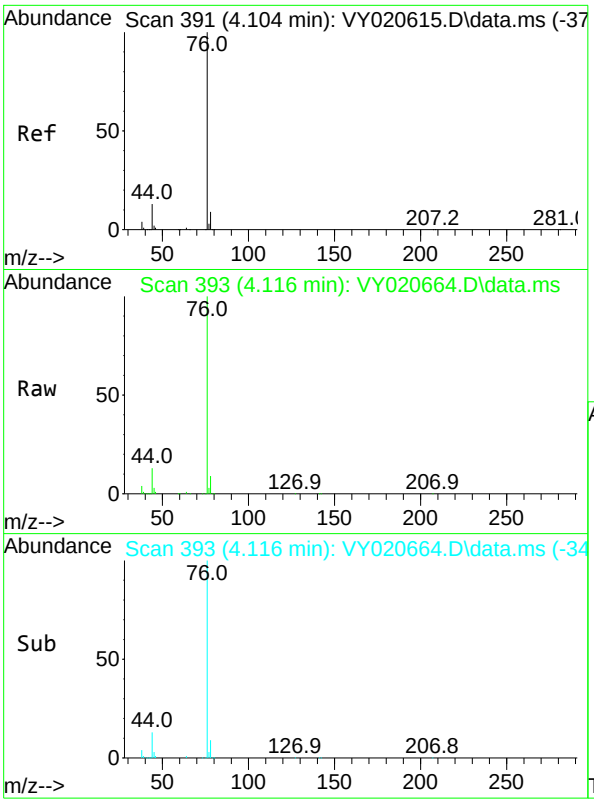


#16
Acetone
Concen: 256.402 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 90623

Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.0	37.6



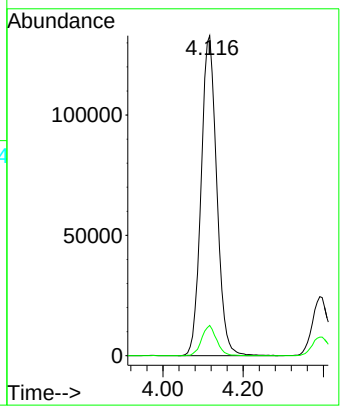


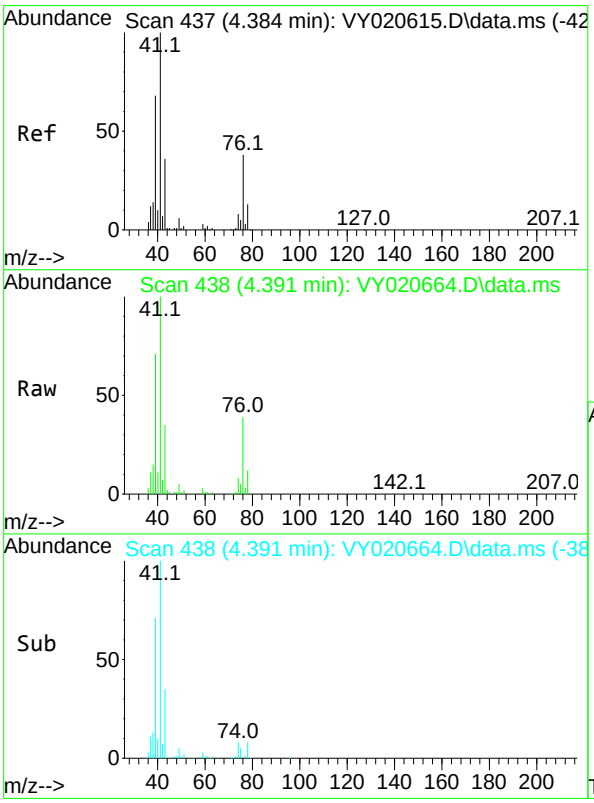
#17
Carbon Disulfide
Concen: 54.380 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 360666

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

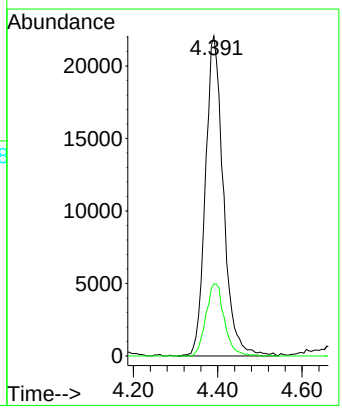


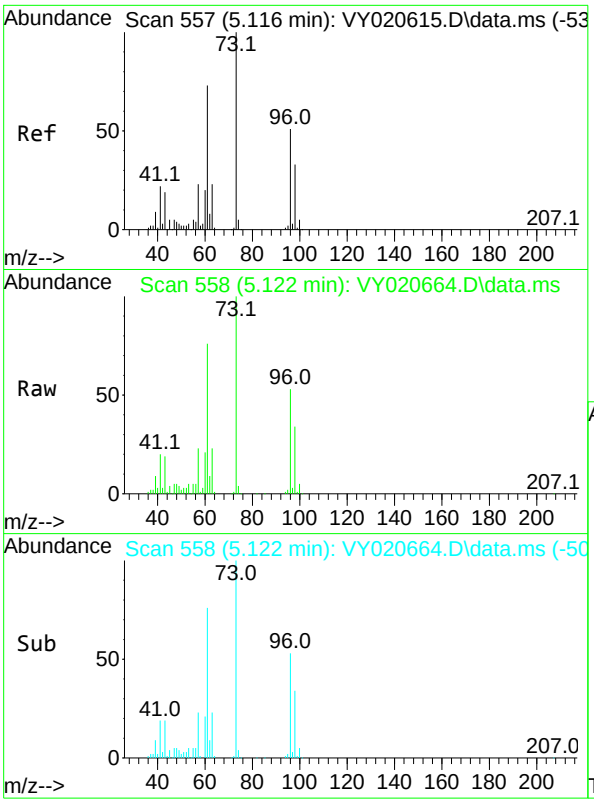


#18
Methyl Acetate
Concen: 53.944 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 65339

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8



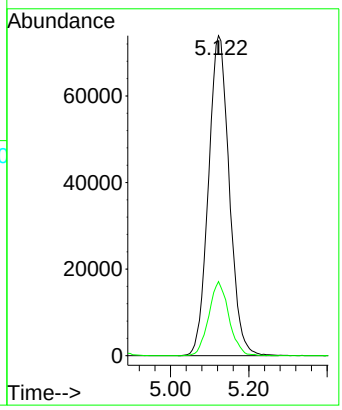


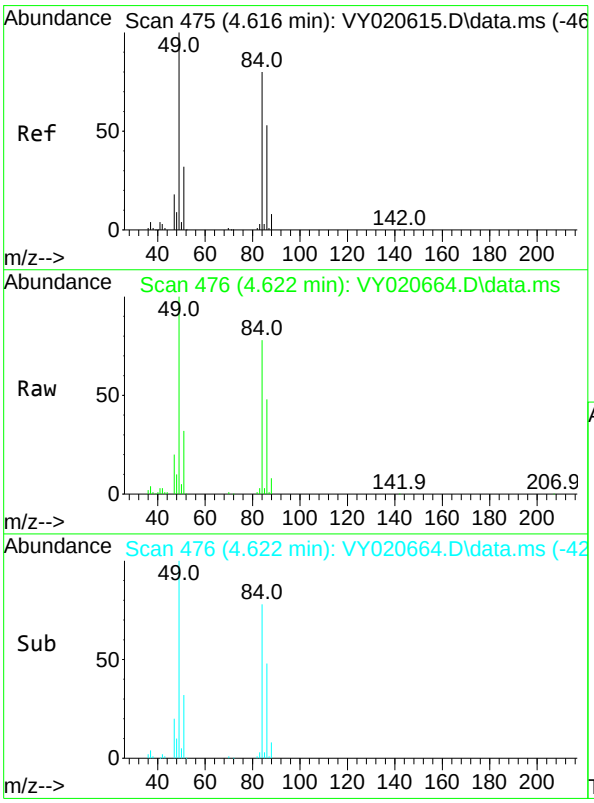
#19
Methyl tert-butyl Ether
Concen: 51.833 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 272592

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

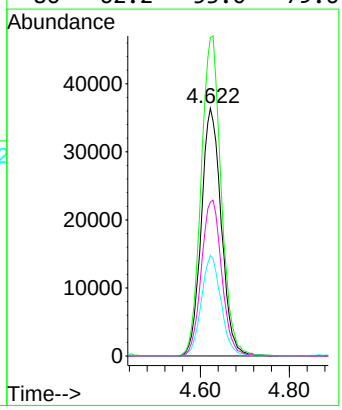


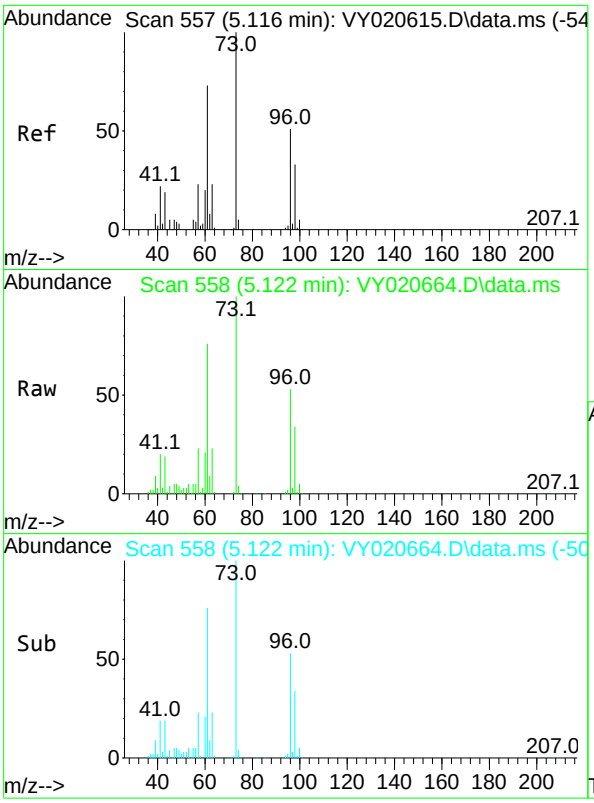


#20
Methylene Chloride
Concen: 51.431 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



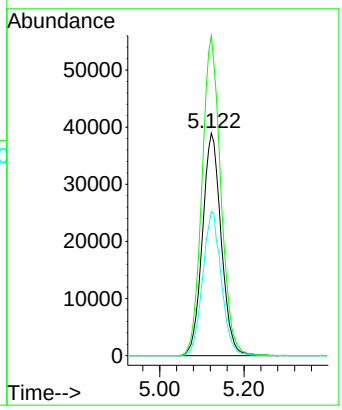


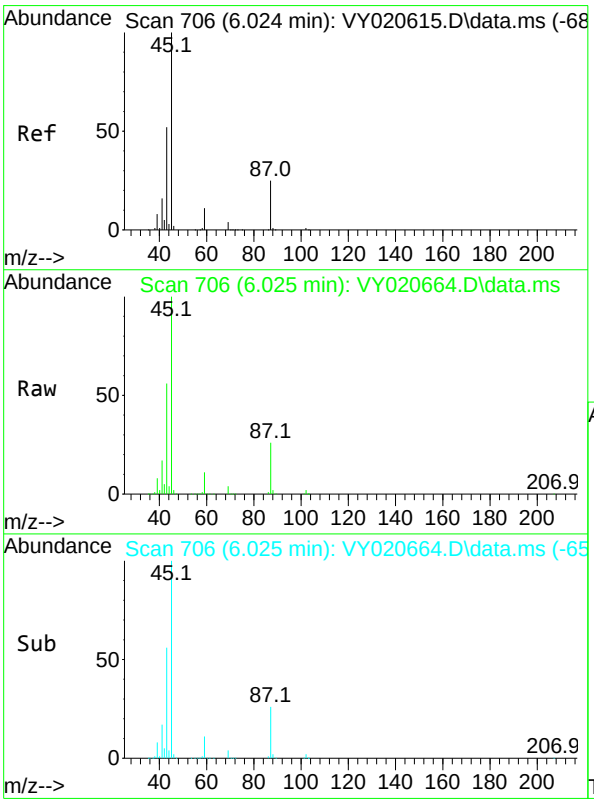
#21
trans-1,2-Dichloroethene
Concen: 52.751 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

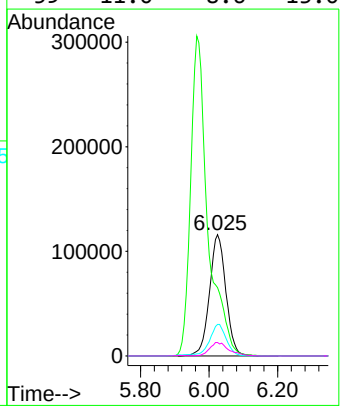


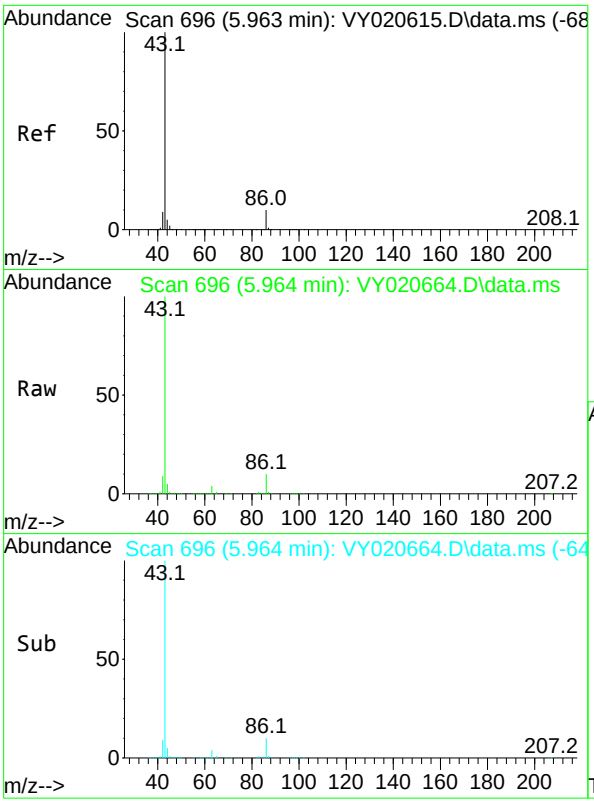


#22
Diisopropyl ether
Concen: 53.195 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



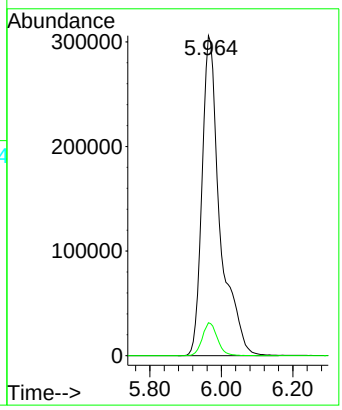


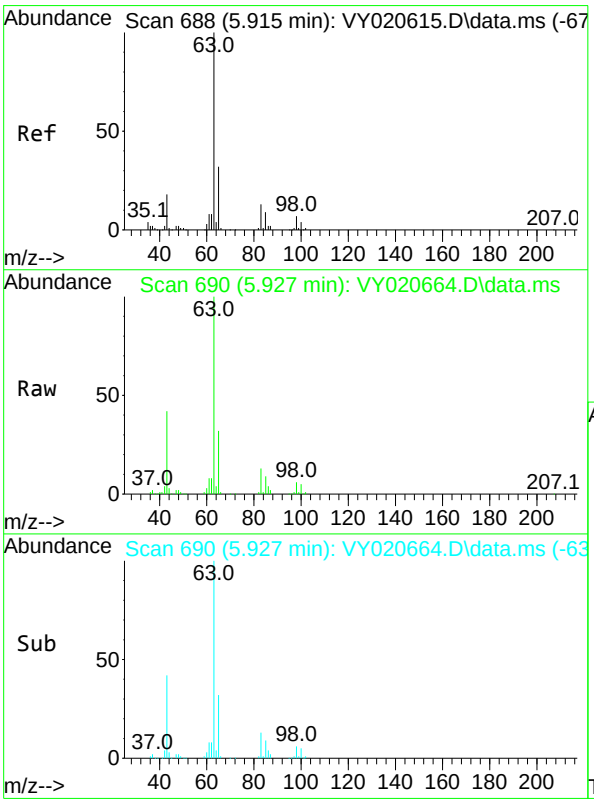
#23
Vinyl Acetate
Concen: 260.253 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1068233

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

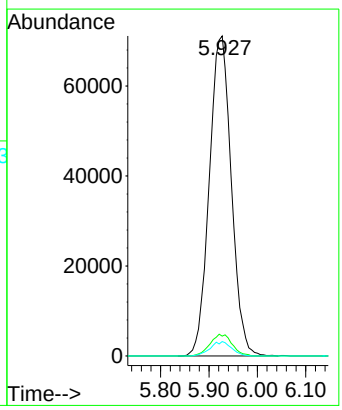


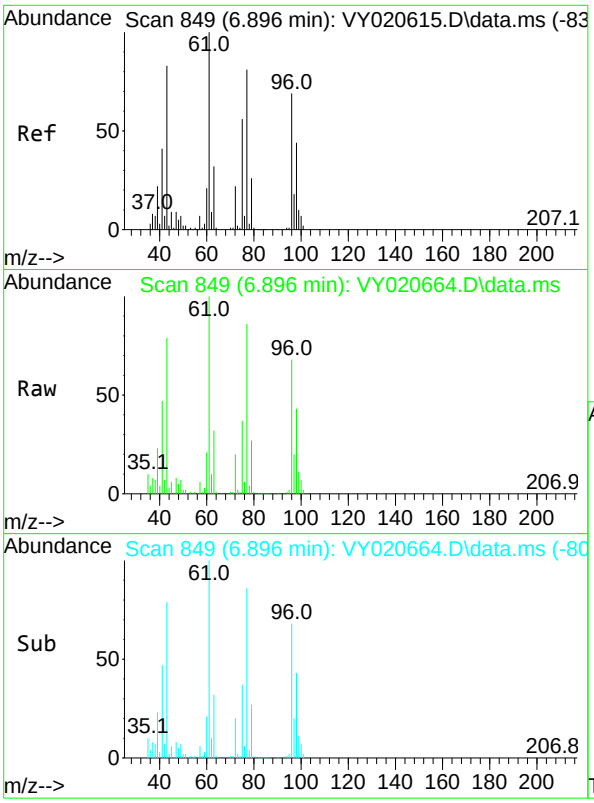


#24
1,1-Dichloroethane
Concen: 52.991 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



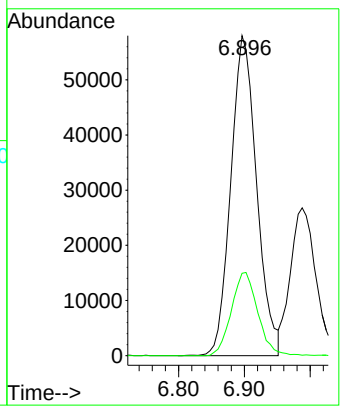


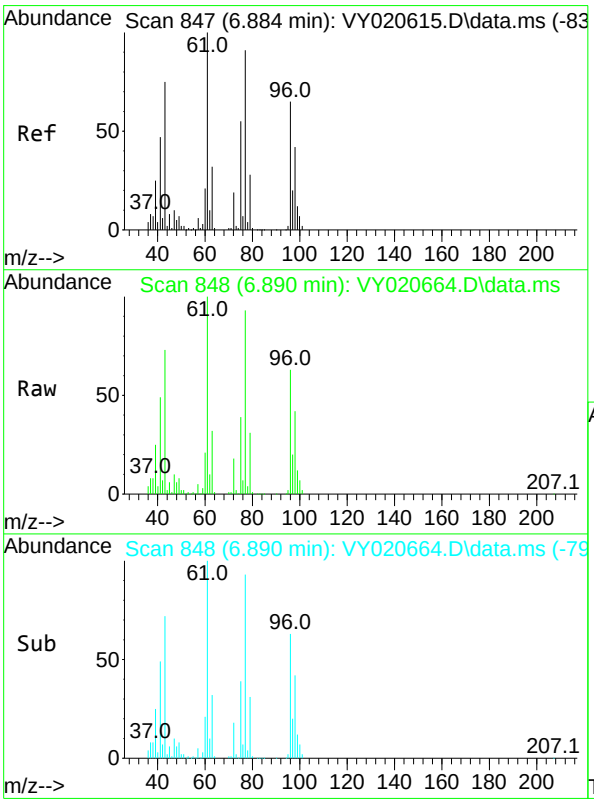
#25
2-Butanone
Concen: 239.715 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158594

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0

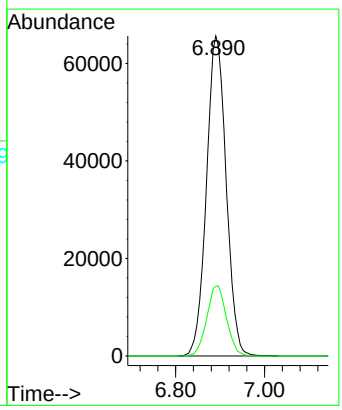


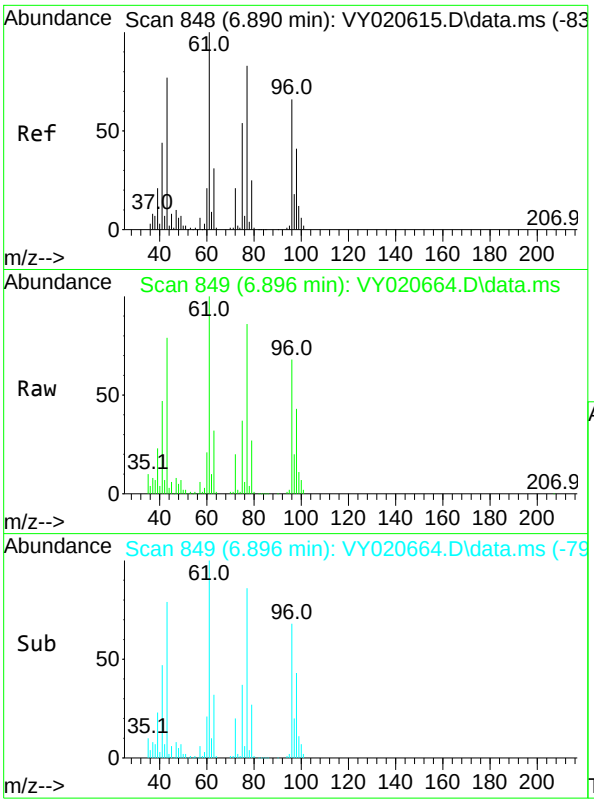


#26
2,2-Dichloropropane
Concen: 50.287 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 77 Resp: 201830

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



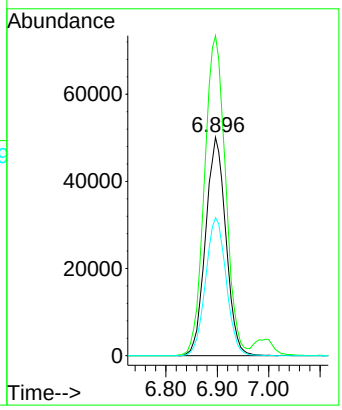


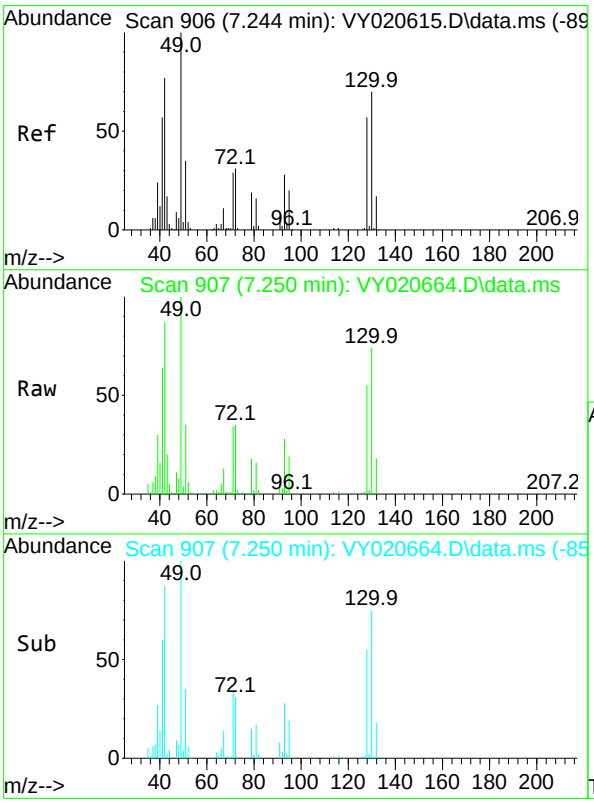
#27
cis-1,2-Dichloroethene
Concen: 52.244 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

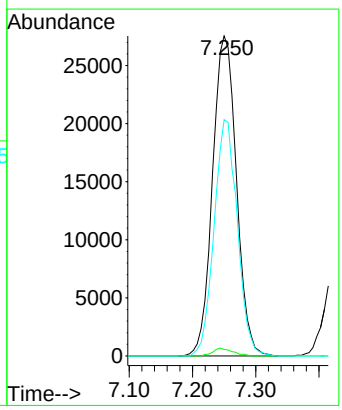


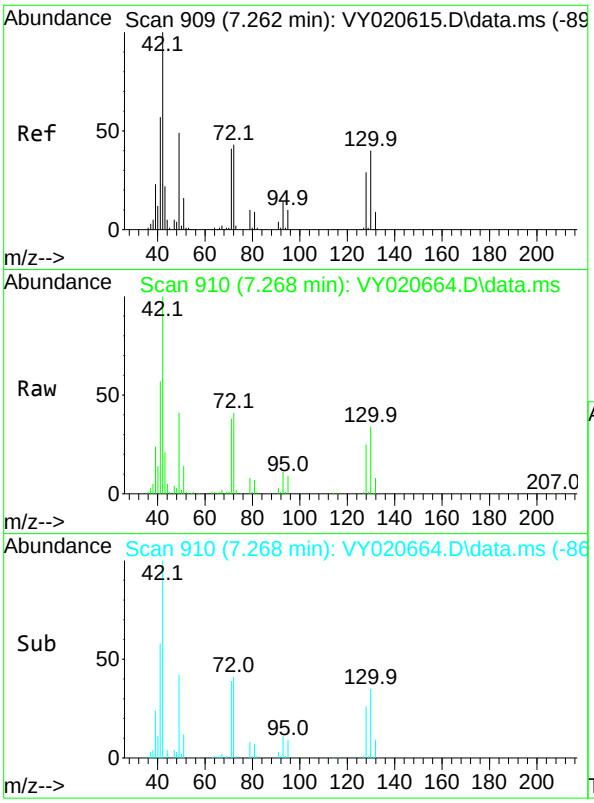


#28
Bromochloromethane
Concen: 50.330 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



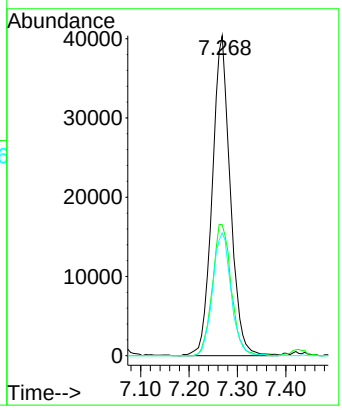


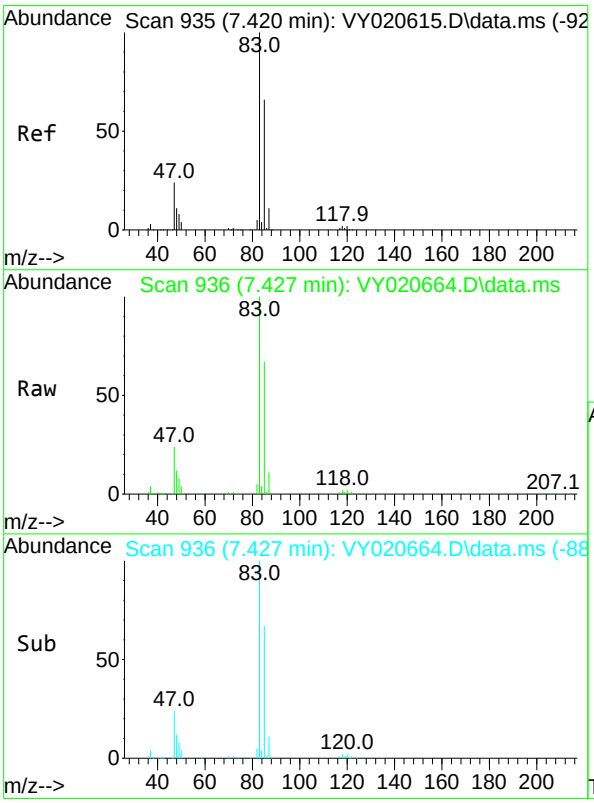
#29
Tetrahydrofuran
Concen: 250.559 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

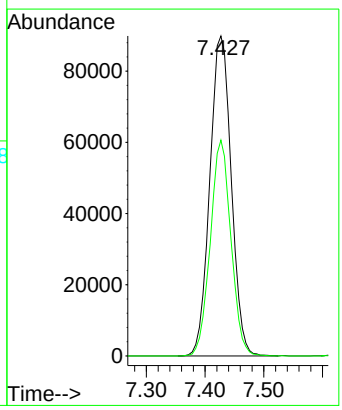


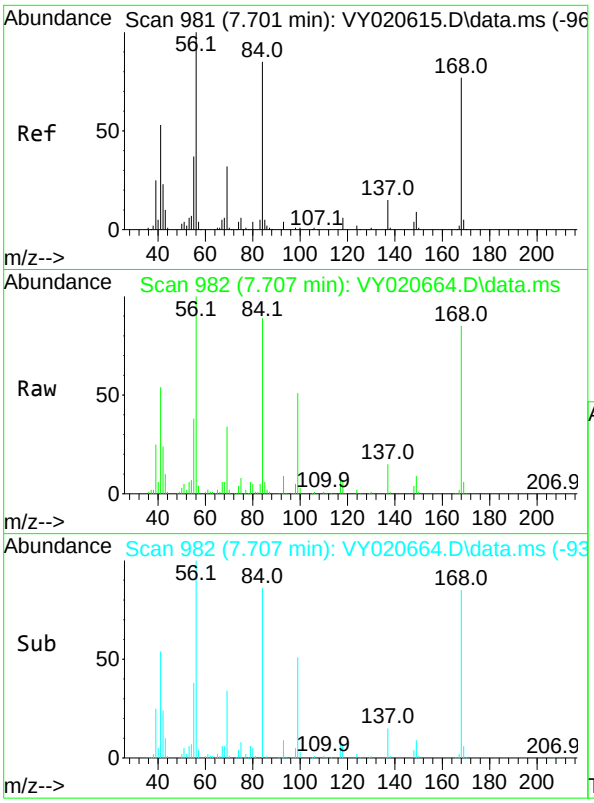


#30
Chloroform
Concen: 53.857 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 227859

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.7	79.1



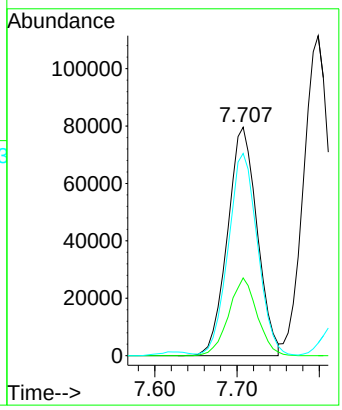


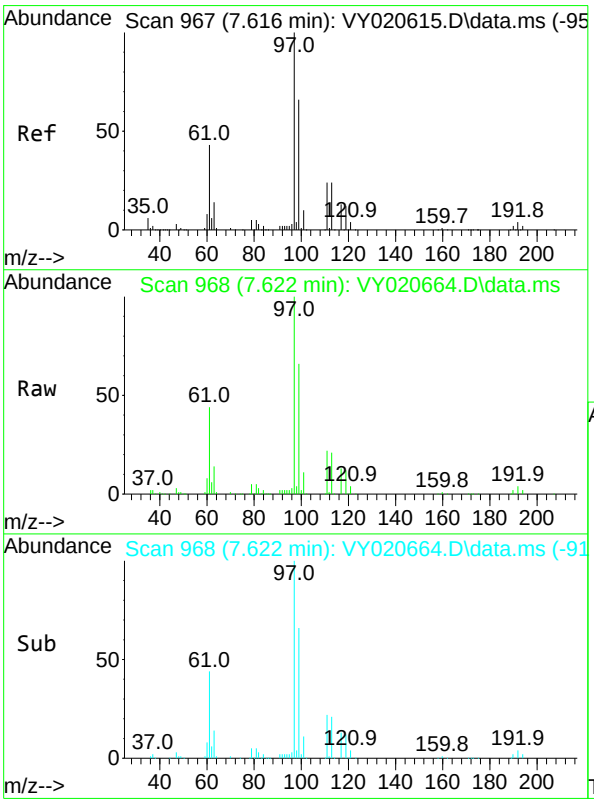
#31
Cyclohexane
Concen: 49.141 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

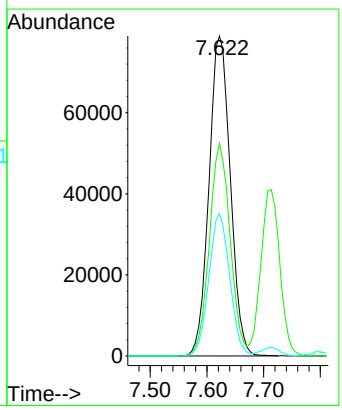


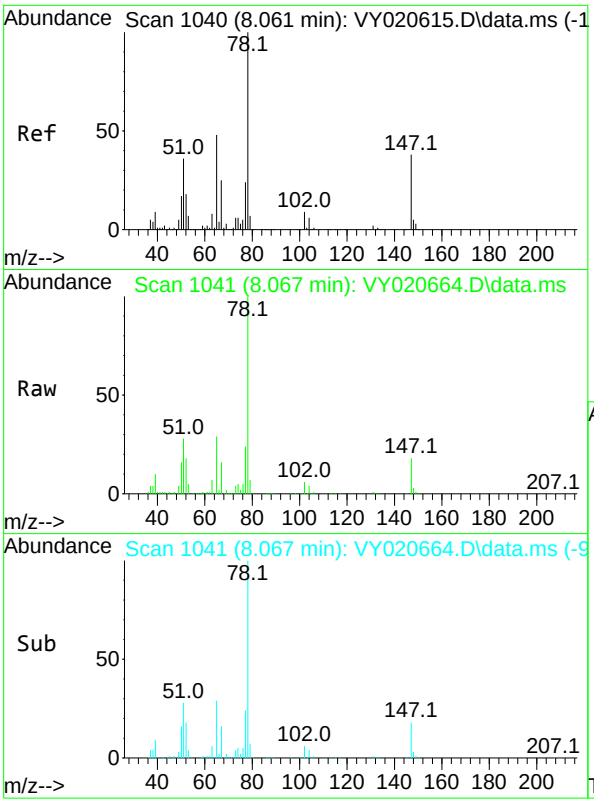


#32
1,1,1-Trichloroethane
Concen: 52.846 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



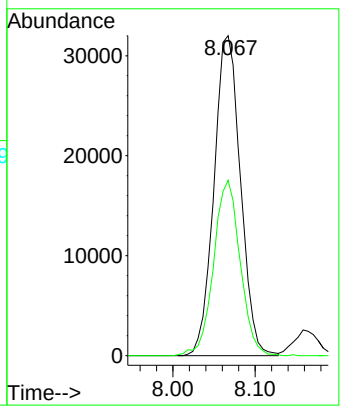


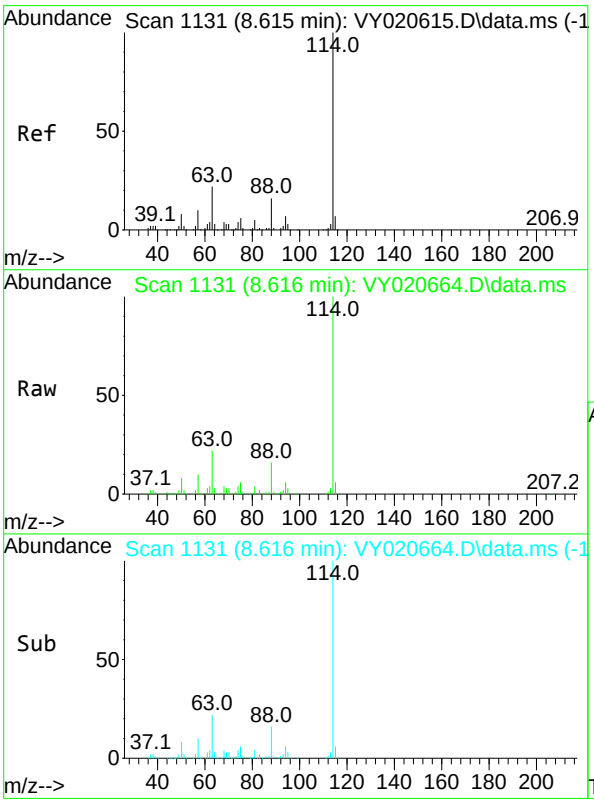
#33
1,2-Dichloroethane-d4
Concen: 40.336 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 71807

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.0

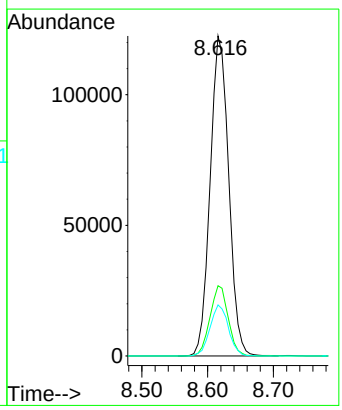


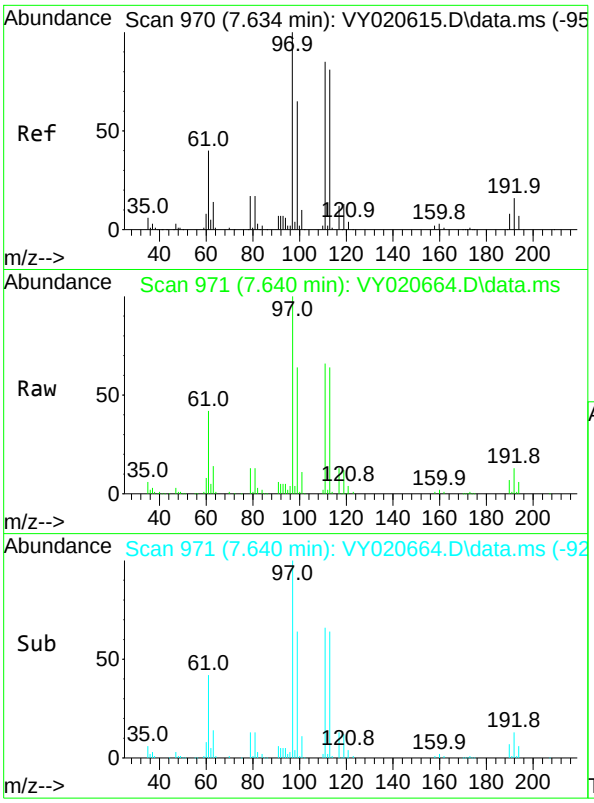


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



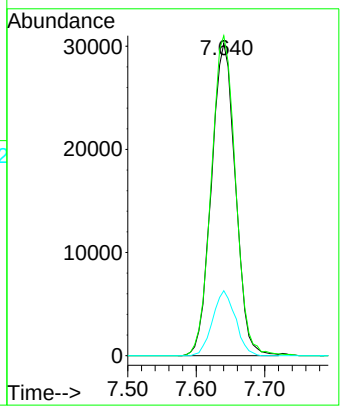


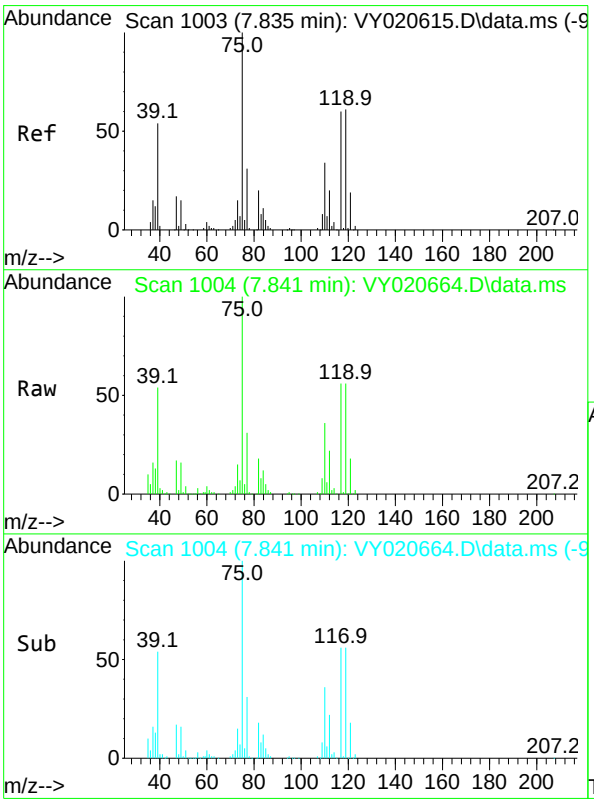
#35
Dibromofluoromethane
Concen: 43.459 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

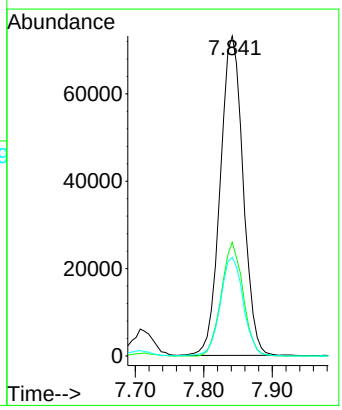


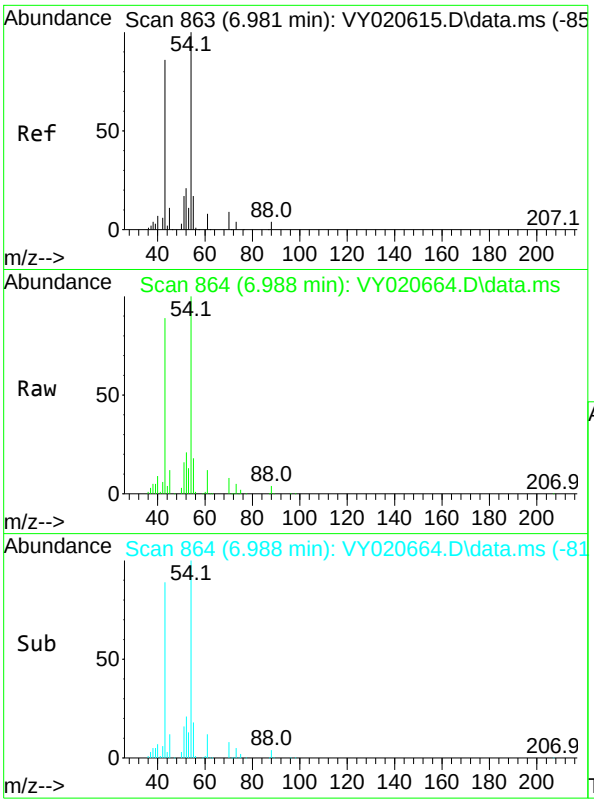


#36
1,1-Dichloropropene
Concen: 54.656 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



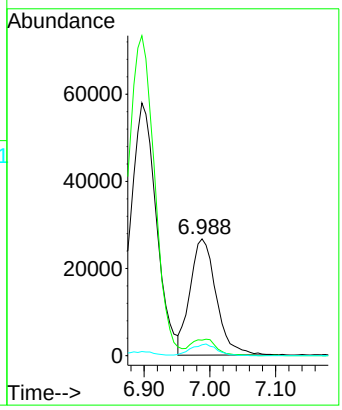


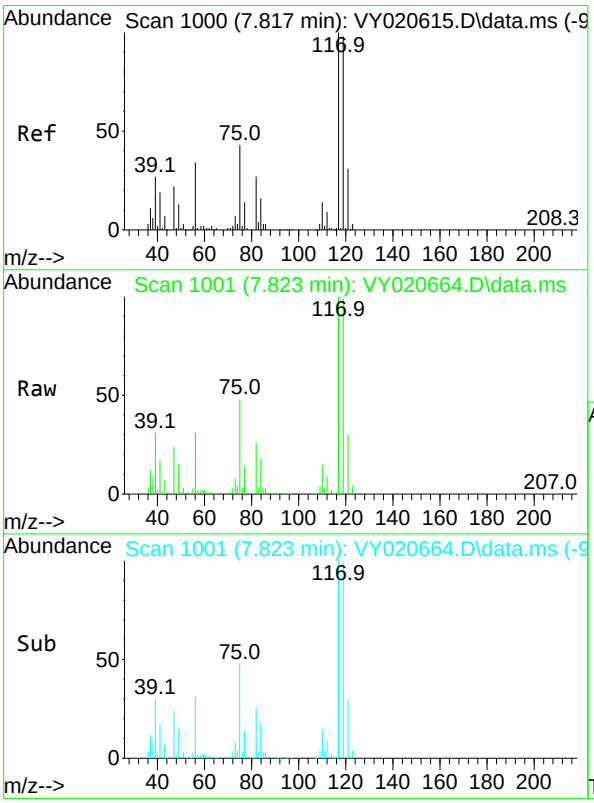
#37
Ethyl Acetate
Concen: 50.481 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

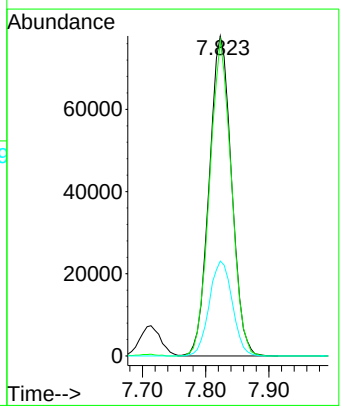


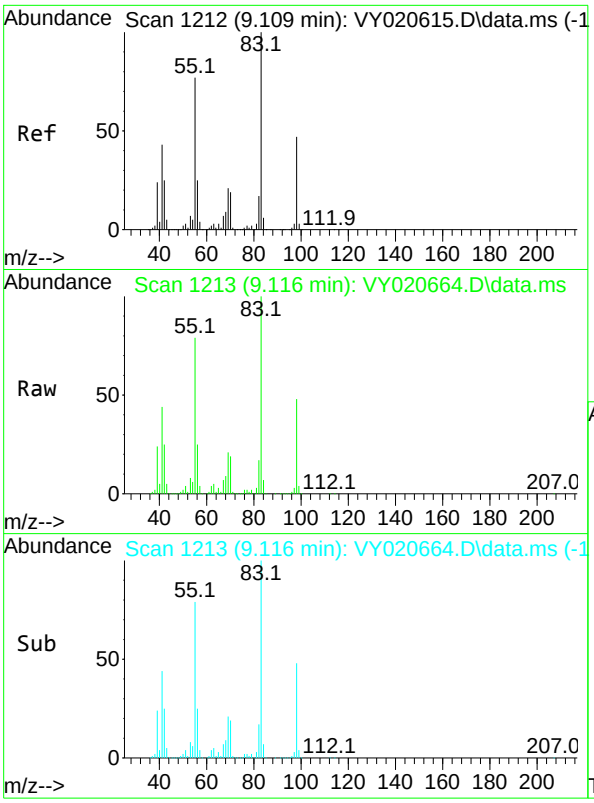


#38
Carbon Tetrachloride
Concen: 55.798 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



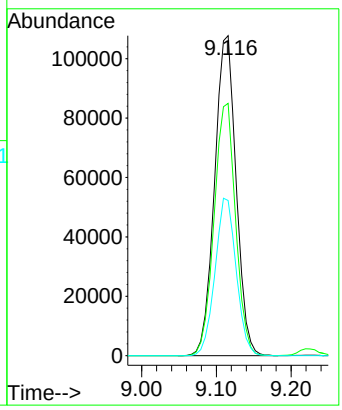


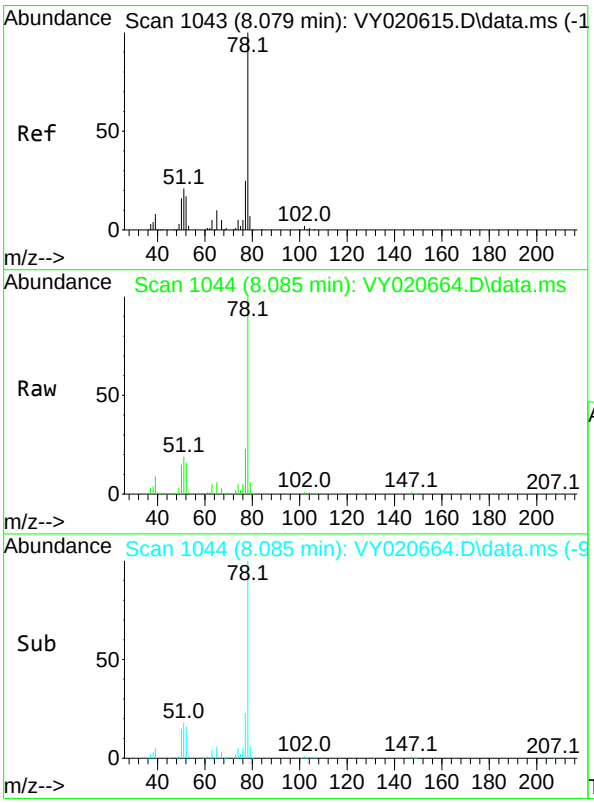
#39
Methylcyclohexane
Concen: 53.650 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

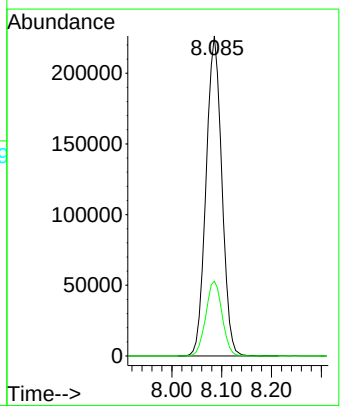


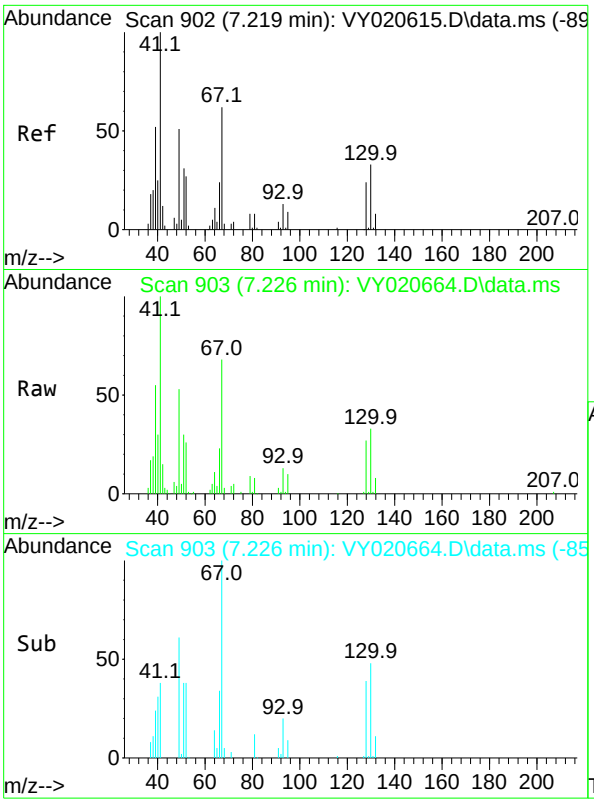


#40
Benzene
Concen: 54.799 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 78 Resp: 496803

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1



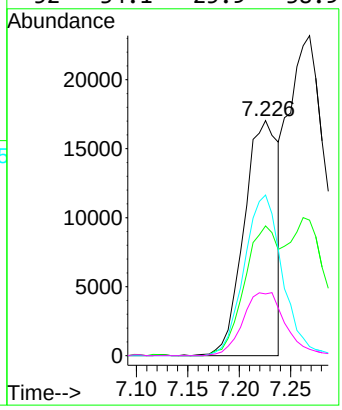


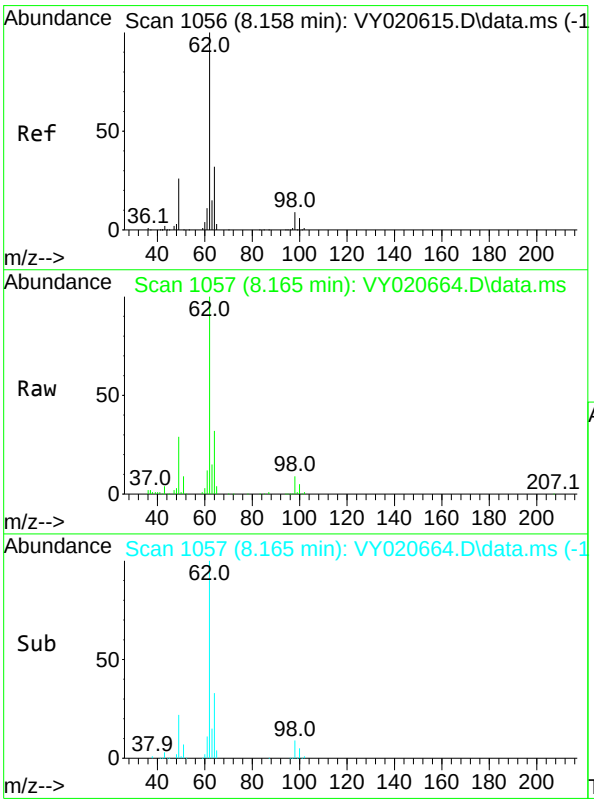
#41
Methacrylonitrile
Concen: 50.789 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

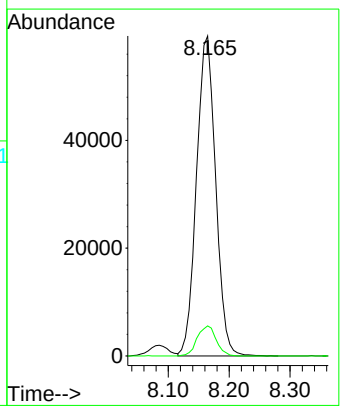


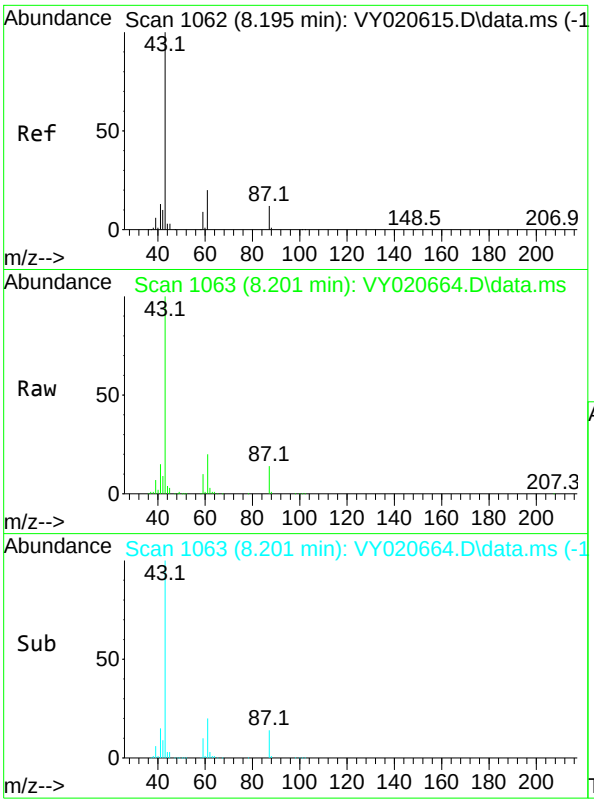


#42
1,2-Dichloroethane
Concen: 53.978 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 129790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



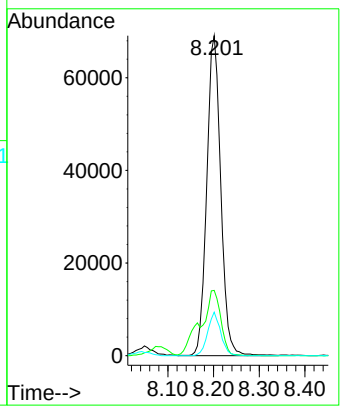


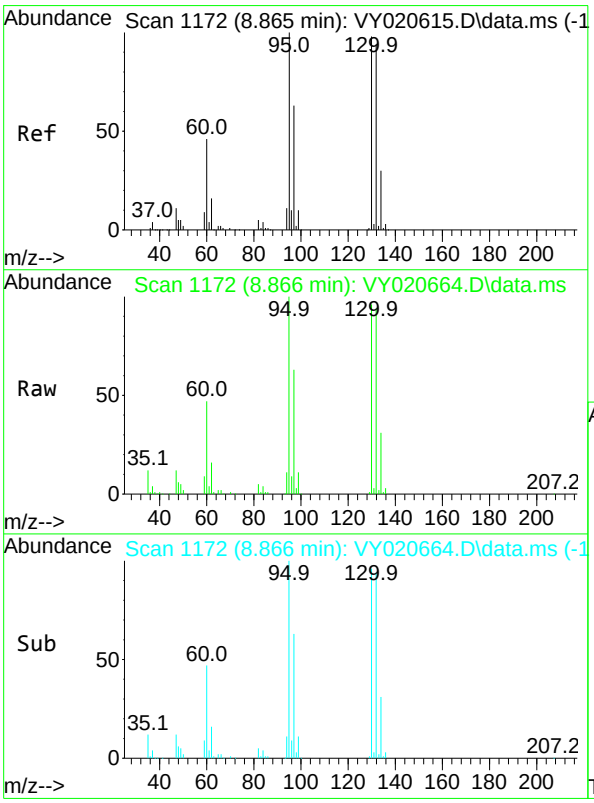
#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

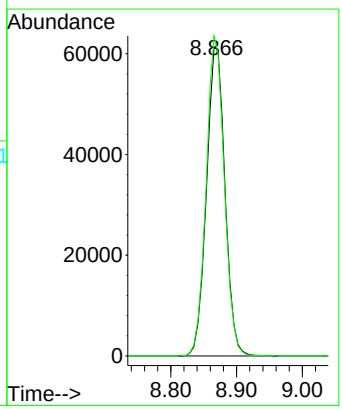


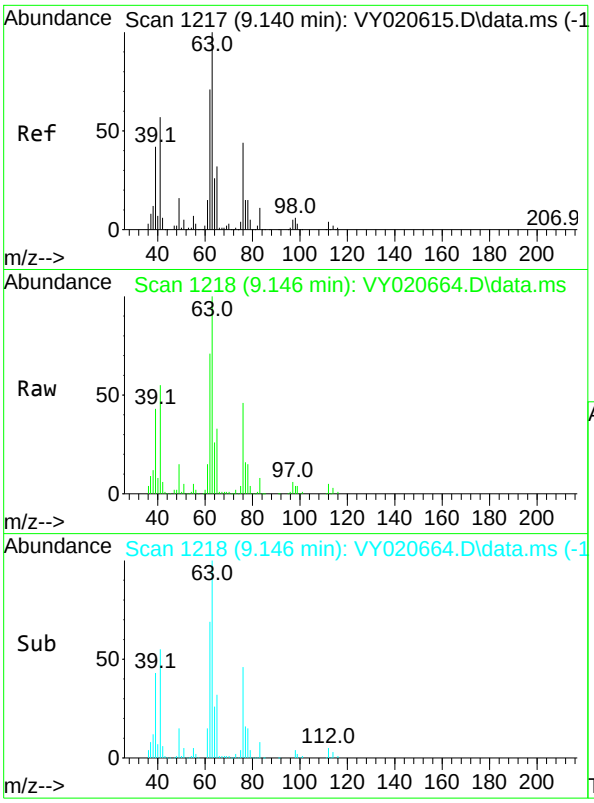


#44
Trichloroethene
Concen: 53.915 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:130 Resp: 120106

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.2



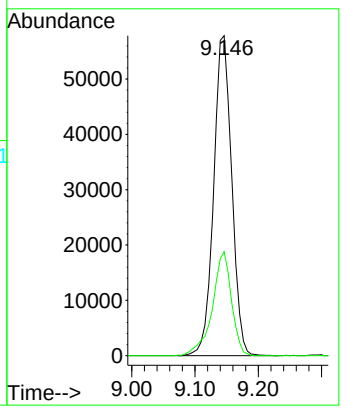


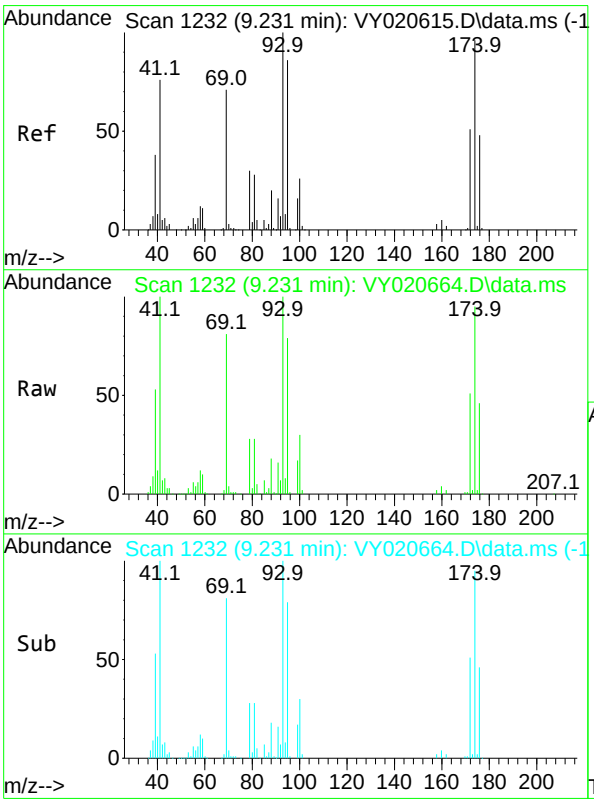
#45
1,2-Dichloropropane
Concen: 54.113 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 114657

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

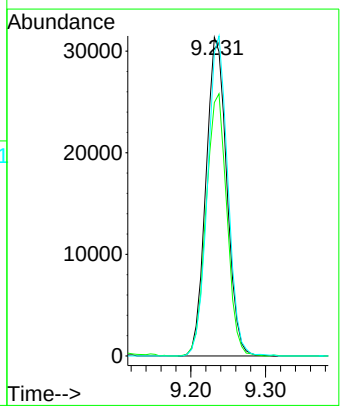


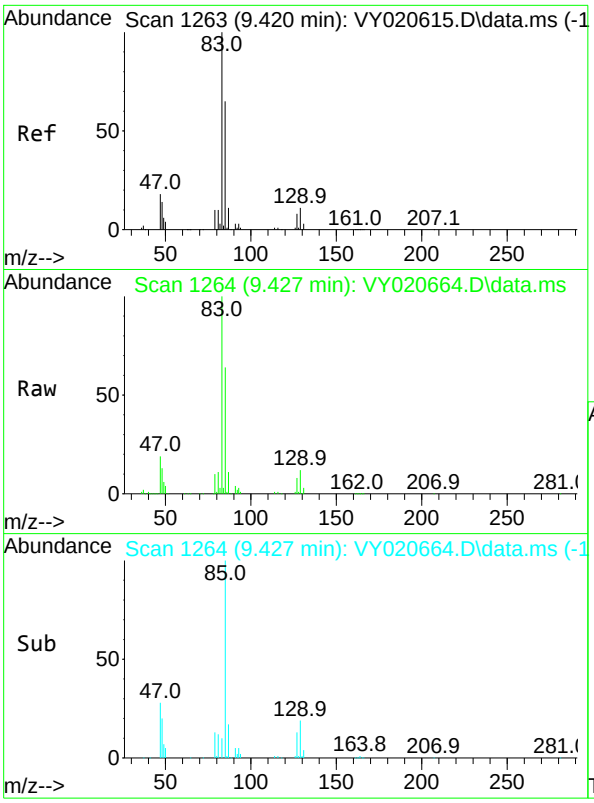


#46
Dibromomethane
Concen: 54.086 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



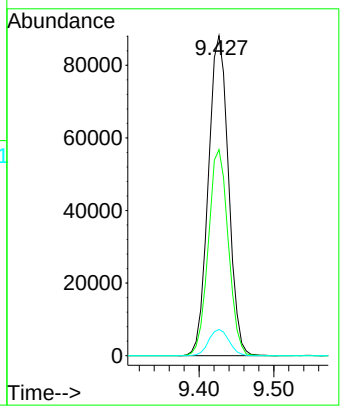


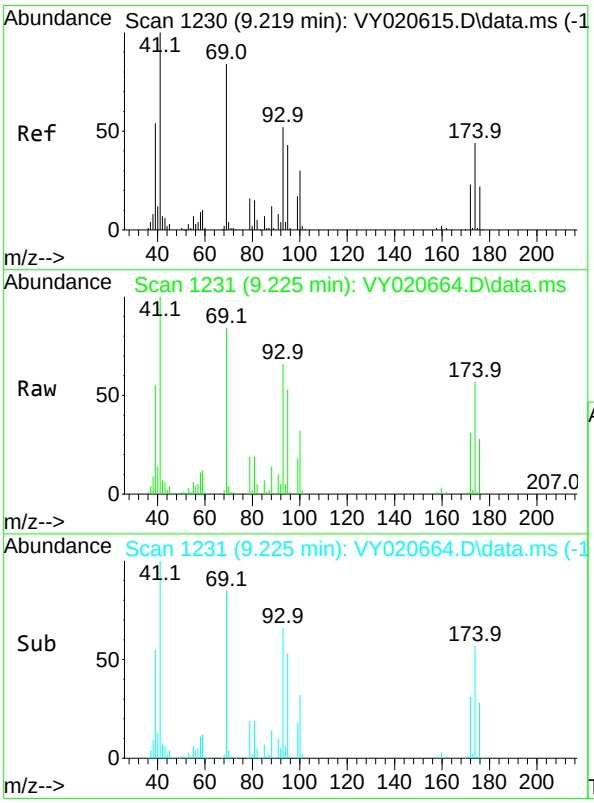
#47
Bromodichloromethane
Concen: 54.644 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

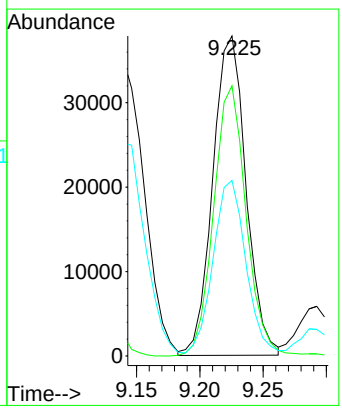


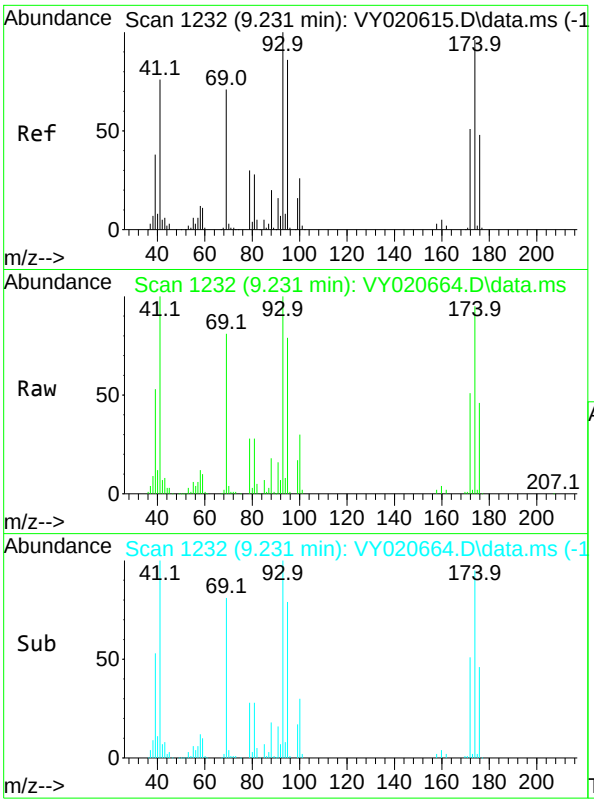


#48
Methyl methacrylate
Concen: 52.772 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



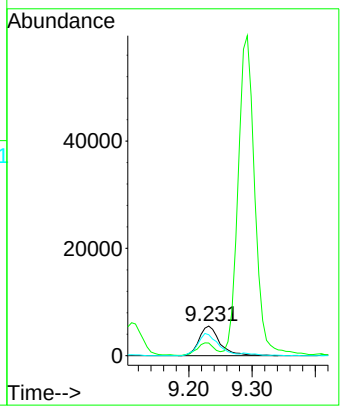


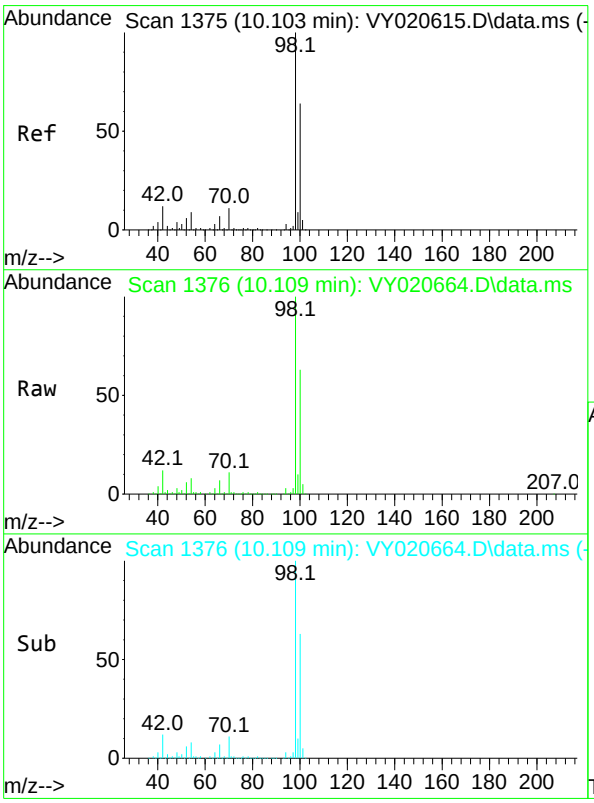
#49
1,4-Dioxane
Concen: 981.949 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

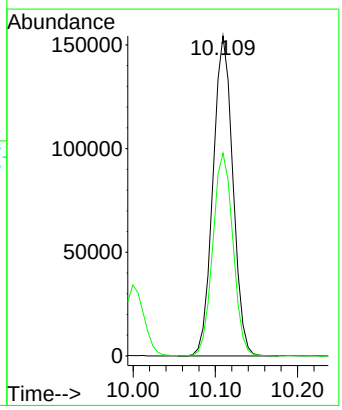


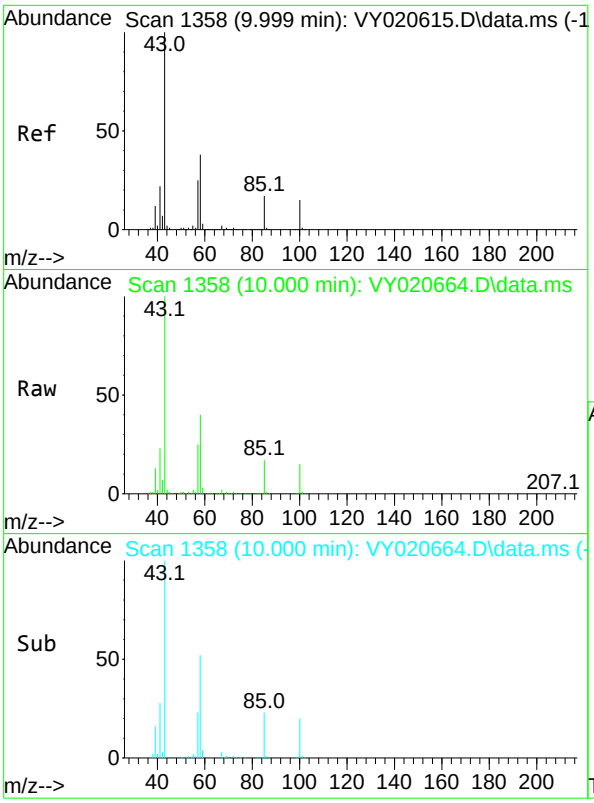


#50
Toluene-d8
Concen: 43.661 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 98 Resp: 259216

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1



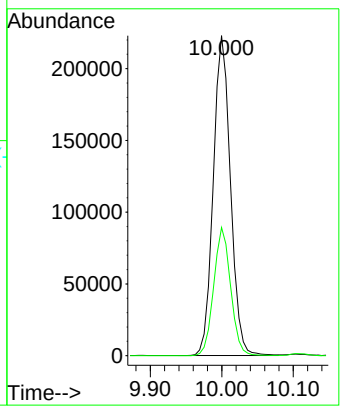


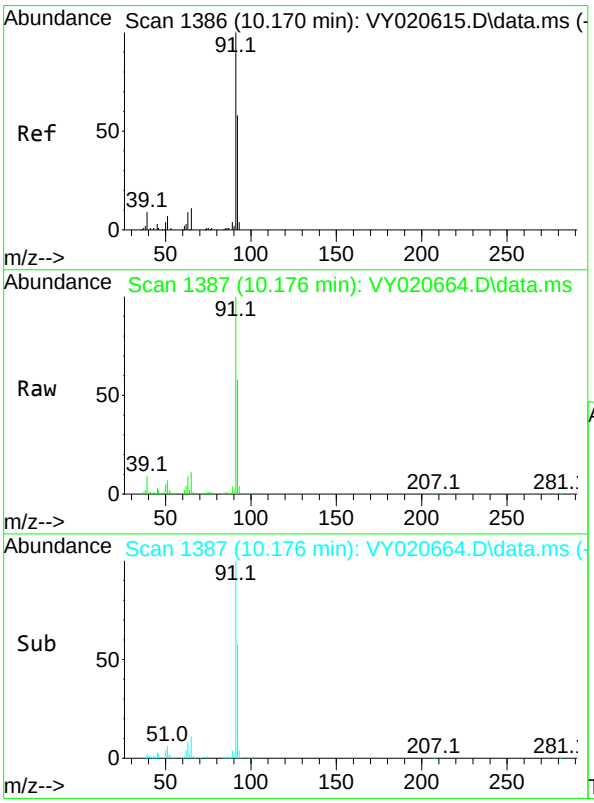
#51
4-Methyl-2-Pentanone
Concen: 256.228 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 372513

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

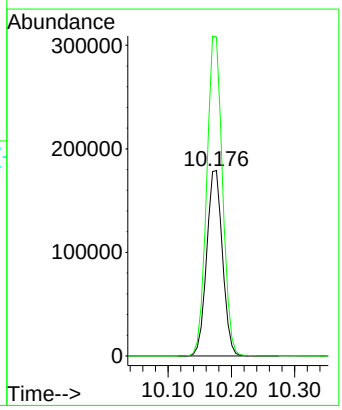


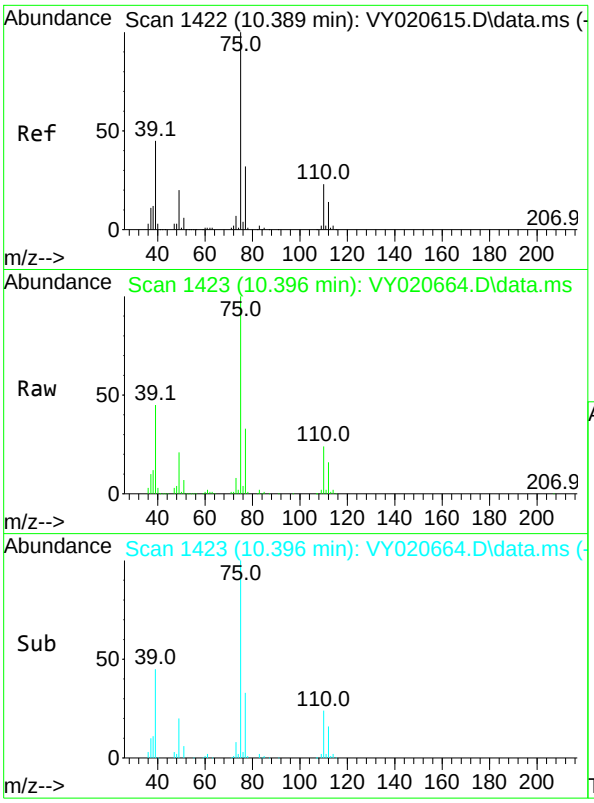


#52
Toluene
Concen: 55.159 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 92 Resp: 310772

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



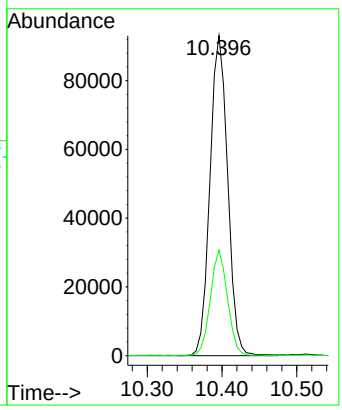


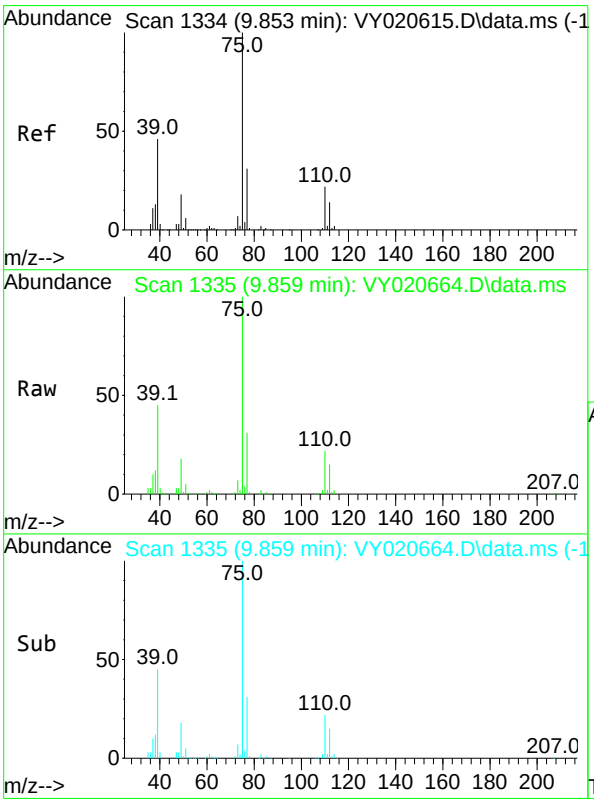
#53
t-1,3-Dichloropropene
Concen: 54.306 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 153061

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2

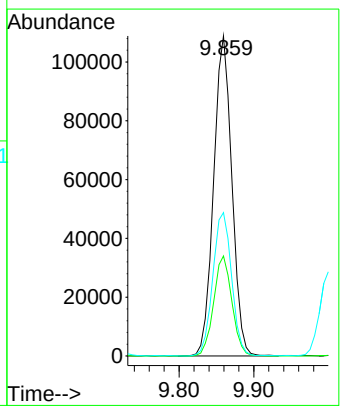


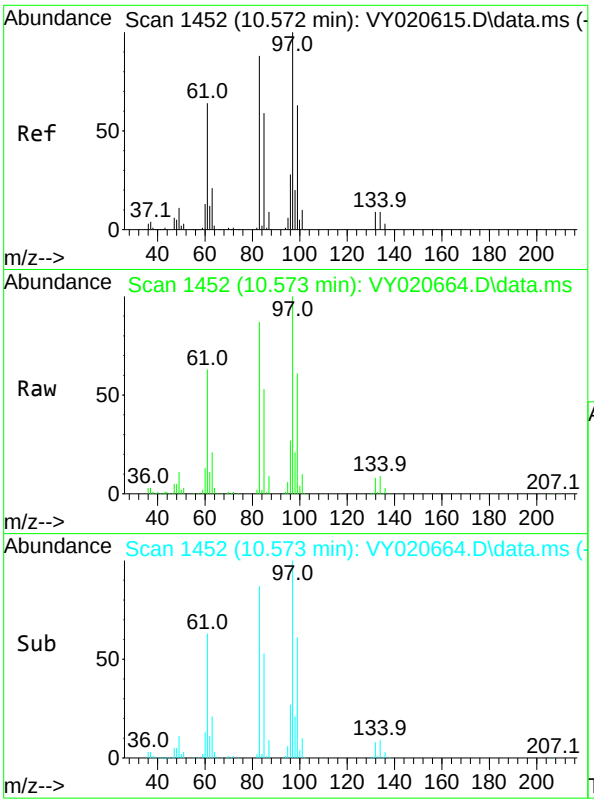


#54
cis-1,3-Dichloropropene
Concen: 55.407 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



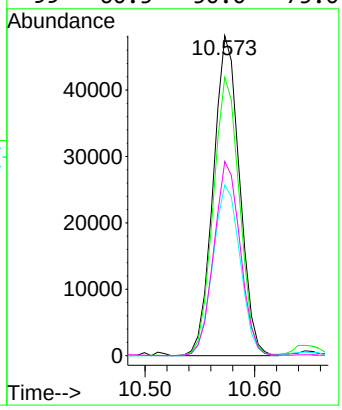


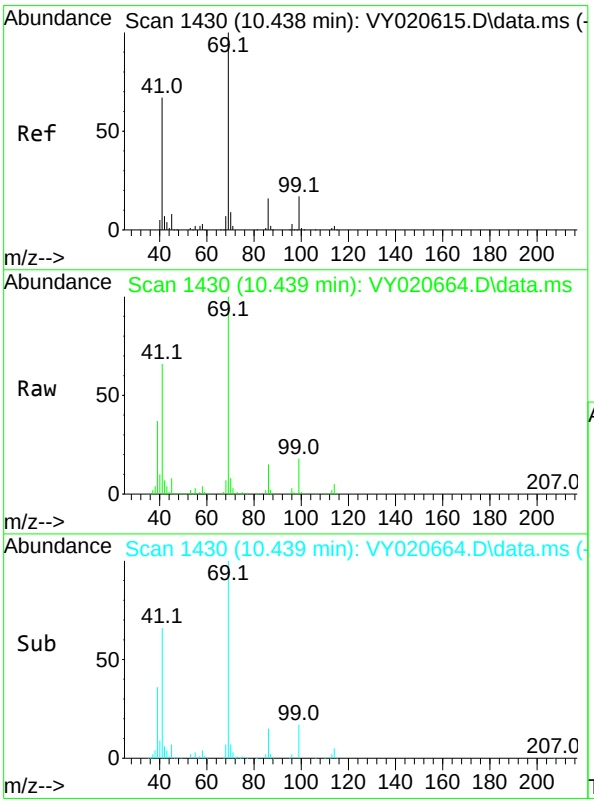
#55
1,1,2-Trichloroethane
Concen: 54.290 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

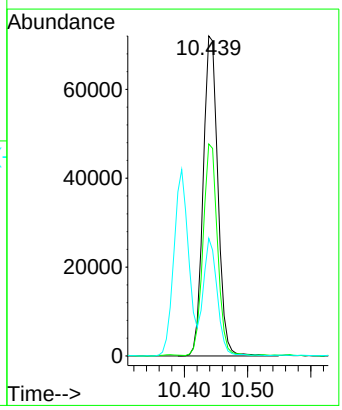


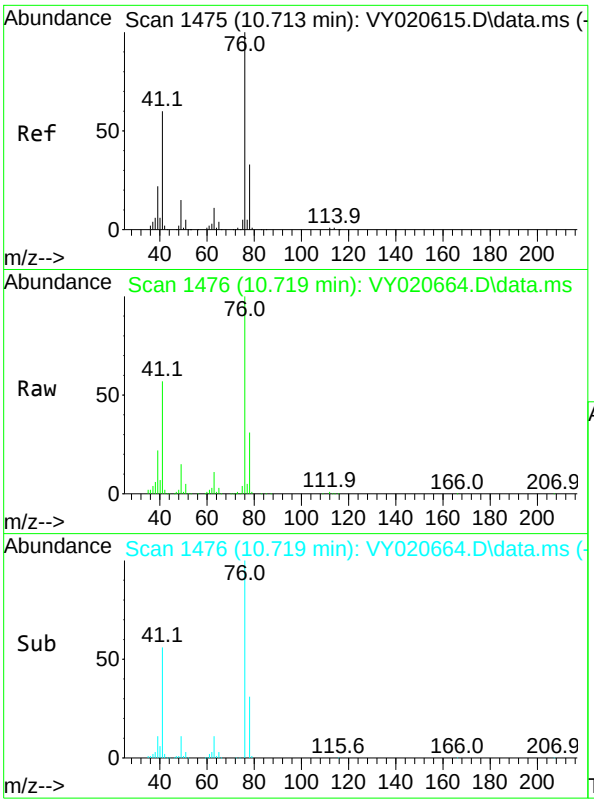


#56
Ethyl methacrylate
Concen: 54.394 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



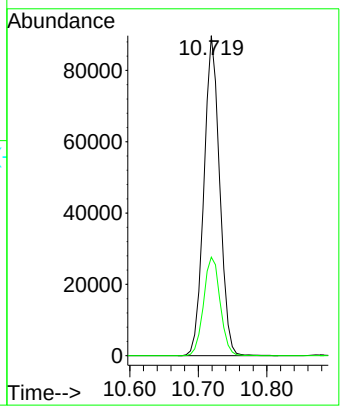


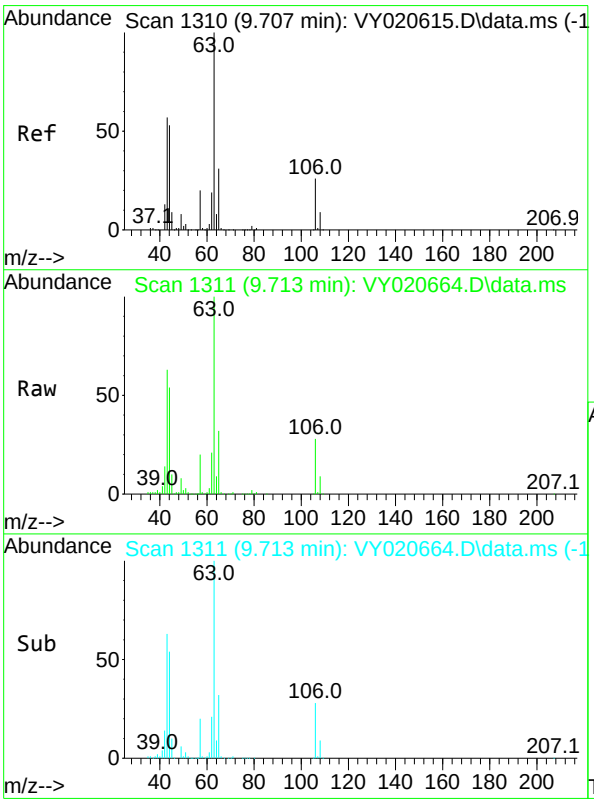
#57
1,3-Dichloropropane
Concen: 54.257 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 143193

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

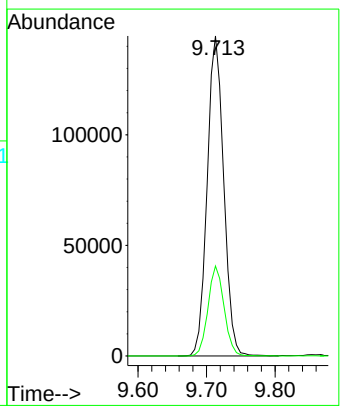


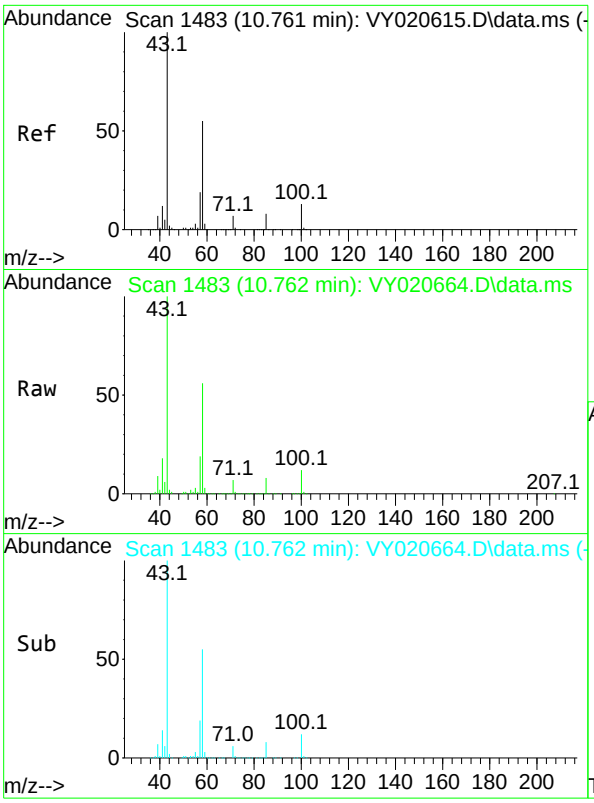


#58
2-Chloroethyl Vinyl ether
Concen: 268.265 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 242438

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



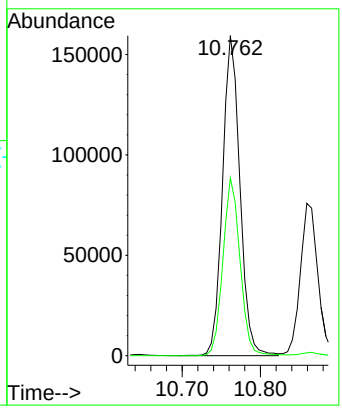


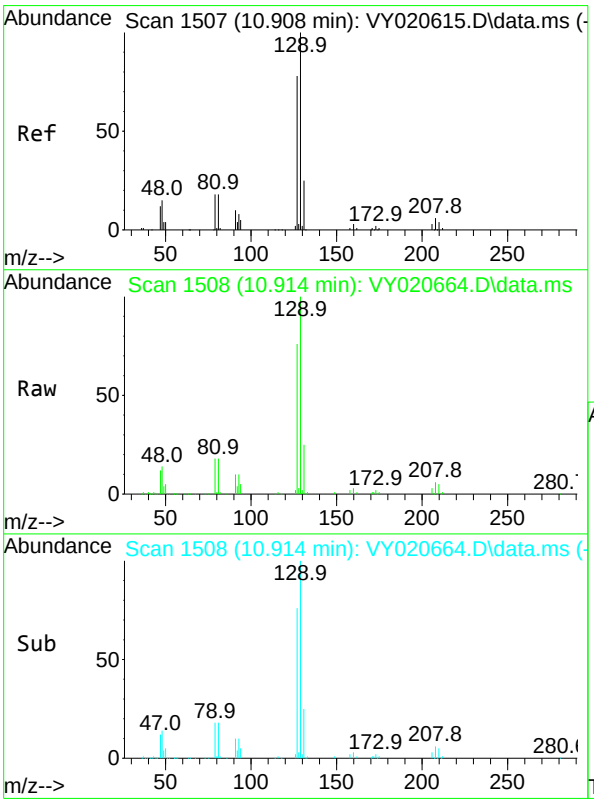
#59
2-Hexanone
Concen: 263.689 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 246134

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

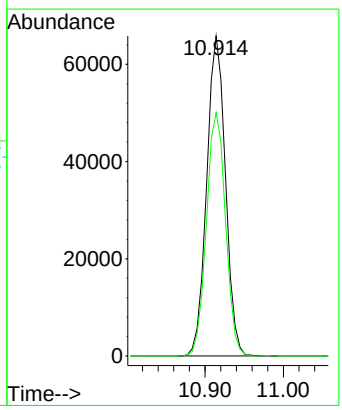


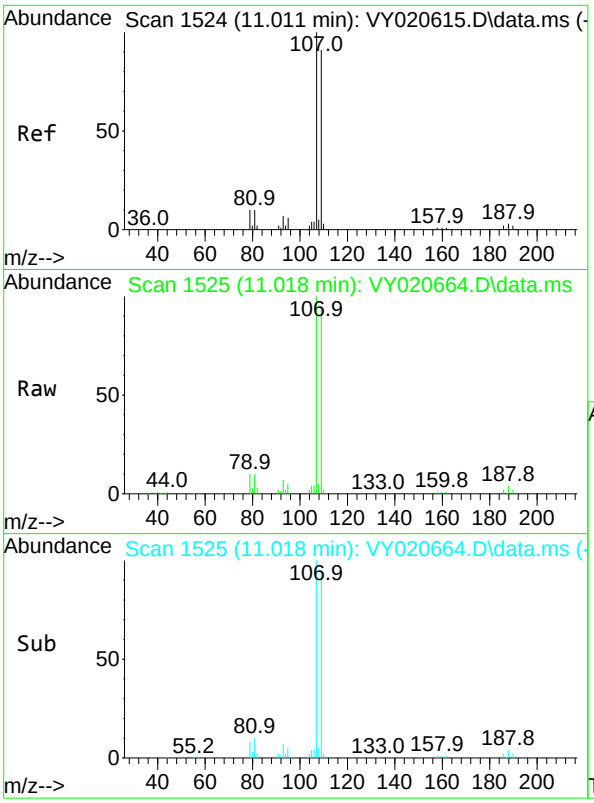


#60
Dibromochloromethane
Concen: 55.226 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:129 Resp: 109346

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



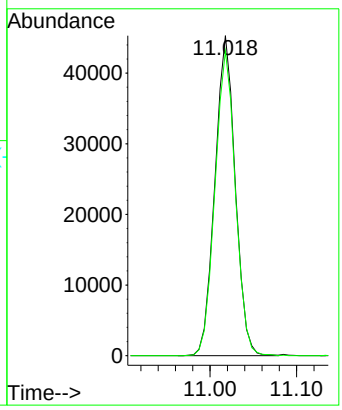


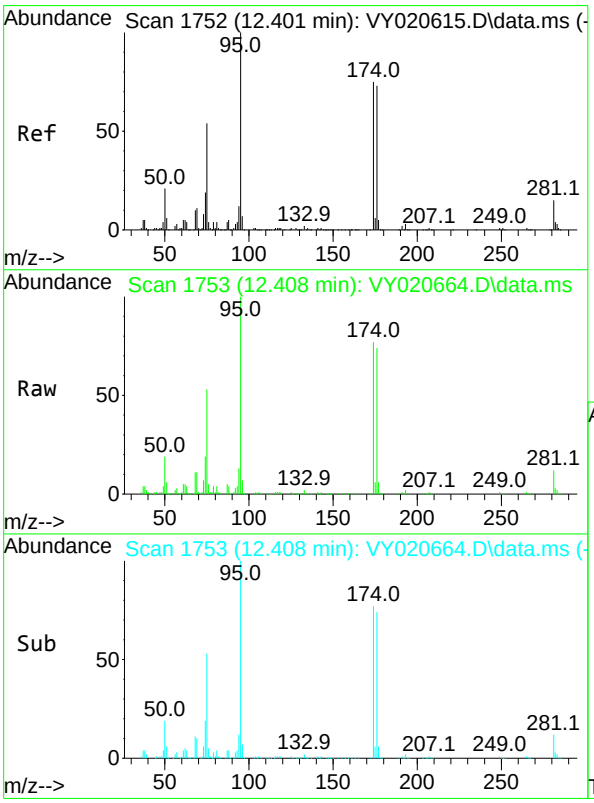
#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 73670

Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.2

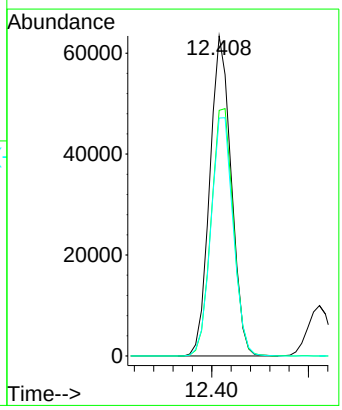


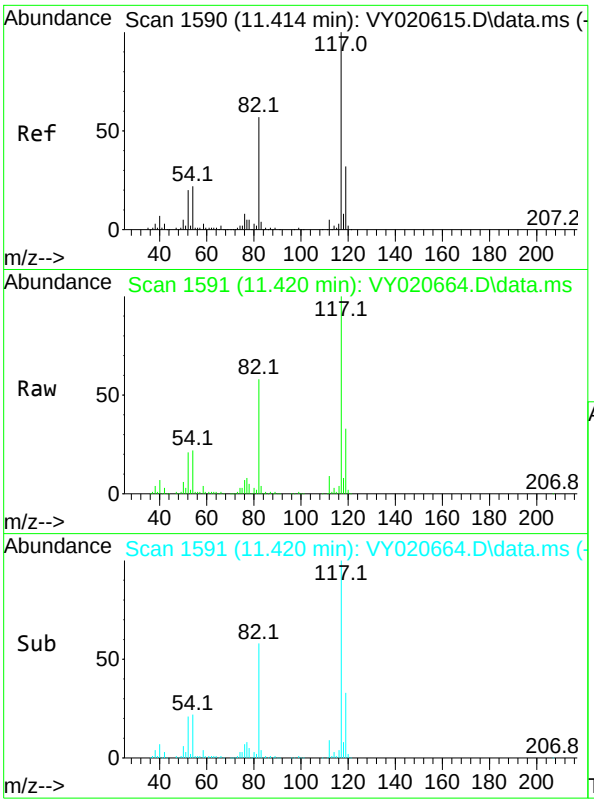


#62
4-Bromofluorobenzene
Concen: 42.036 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



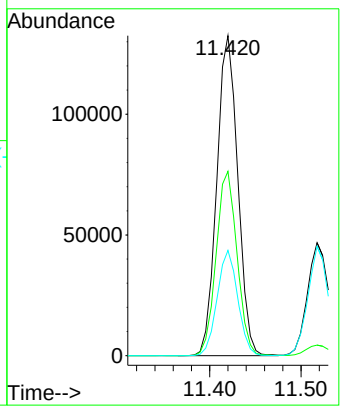


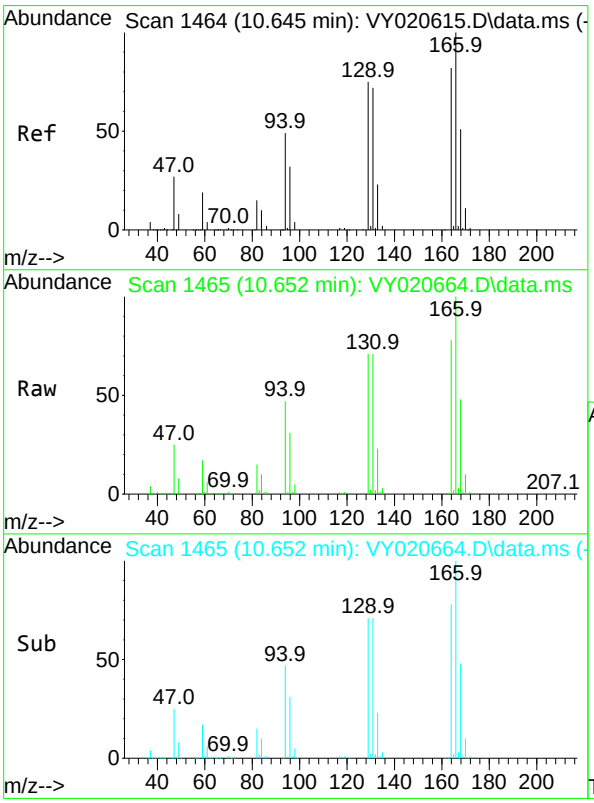
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

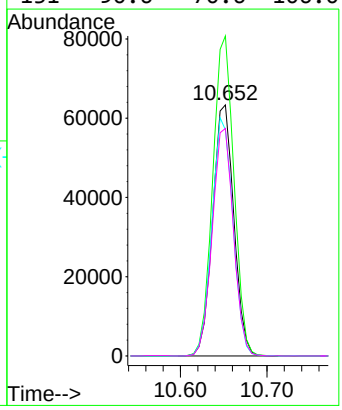


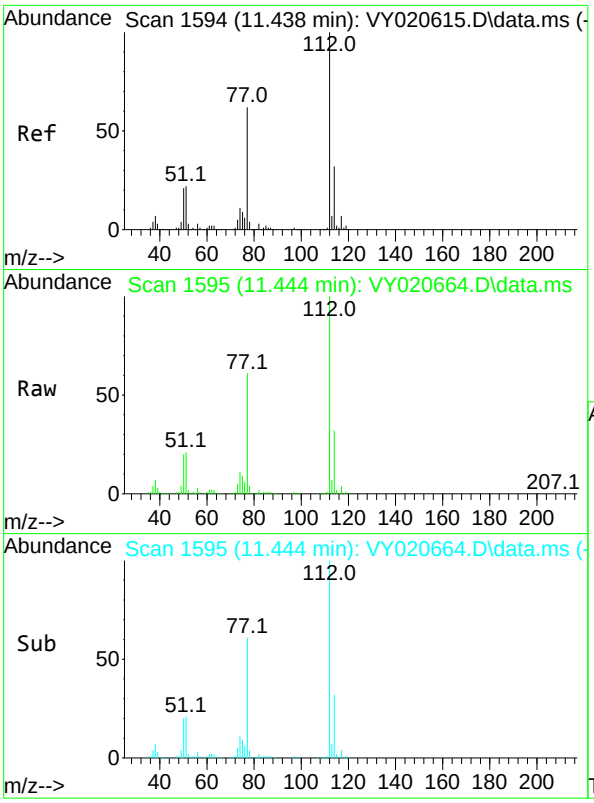


#64
Tetrachloroethene
Concen: 53.958 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



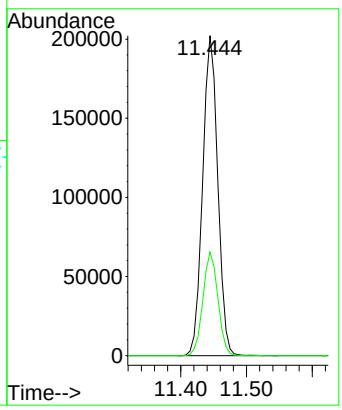


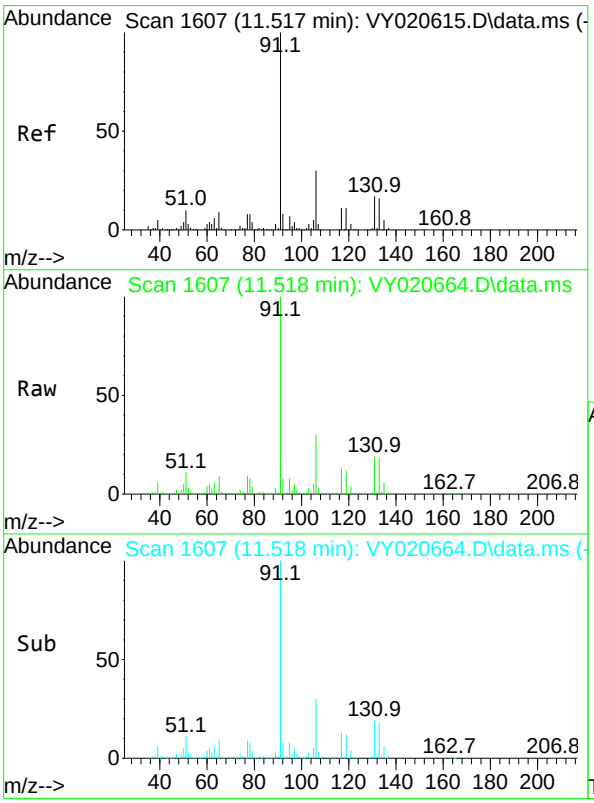
#65
Chlorobenzene
Concen: 54.474 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 323124

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

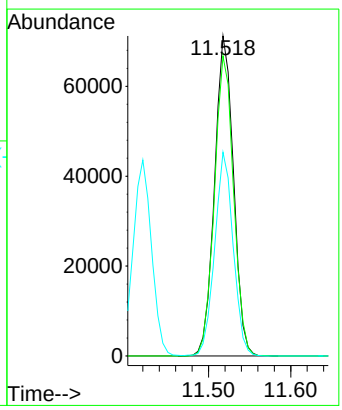


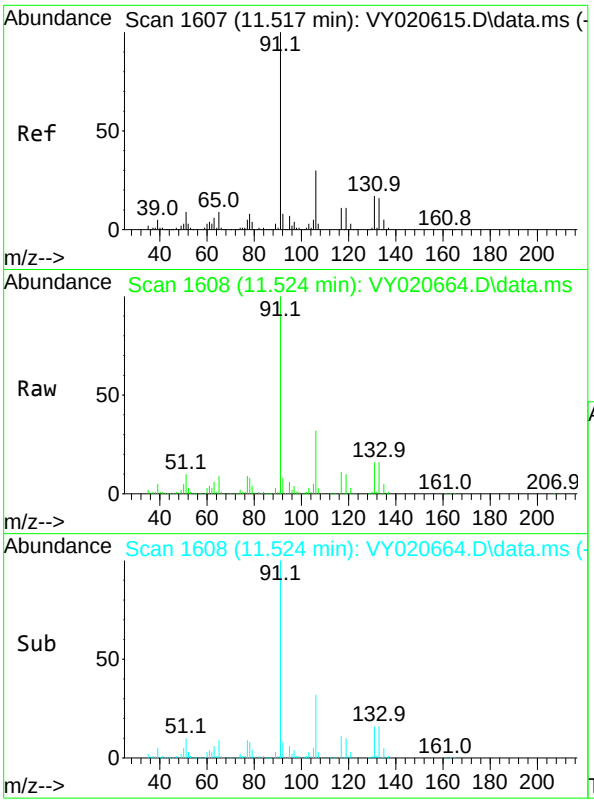


#66
1,1,1,2-Tetrachloroethane
Concen: 56.252 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



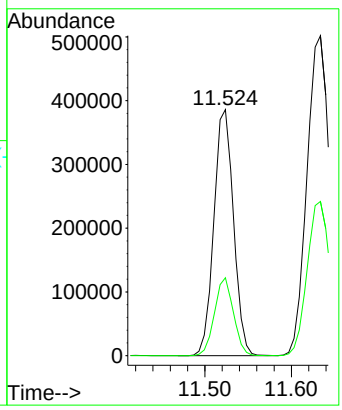


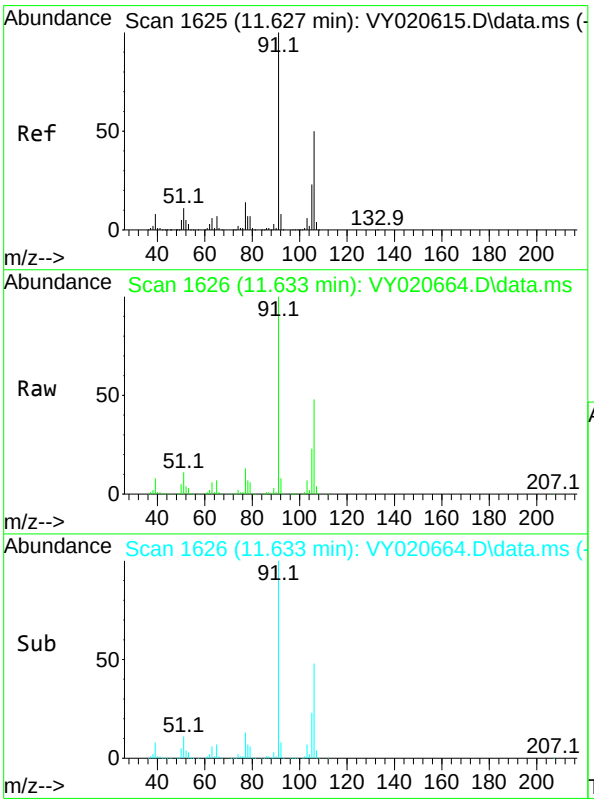
#67
Ethyl Benzene
Concen: 55.519 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 607565

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.9	35.9

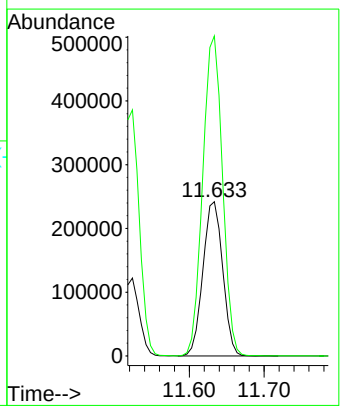


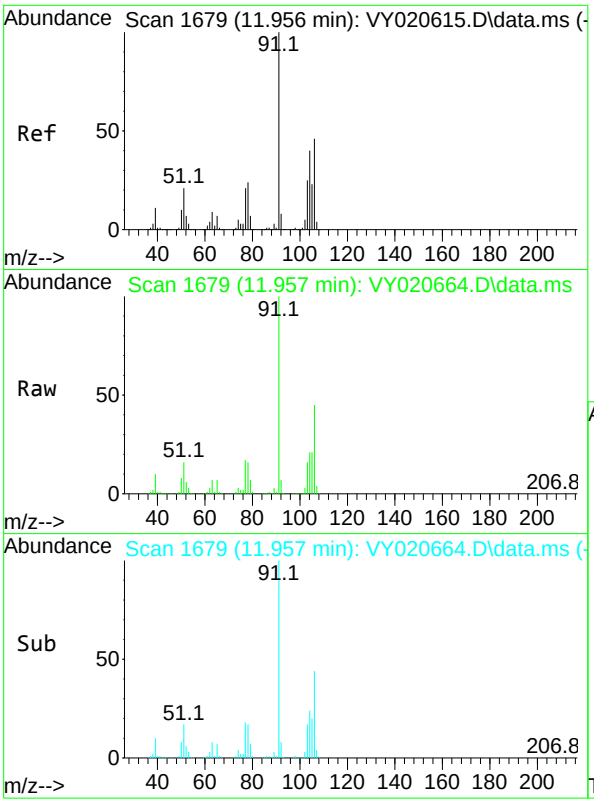


#68
m/p-Xylenes
Concen: 109.344 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:106 Resp: 444911

Ion	Ratio	Lower	Upper
106	100		
91	207.2	165.0	247.4



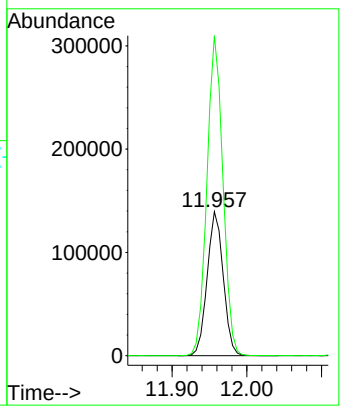


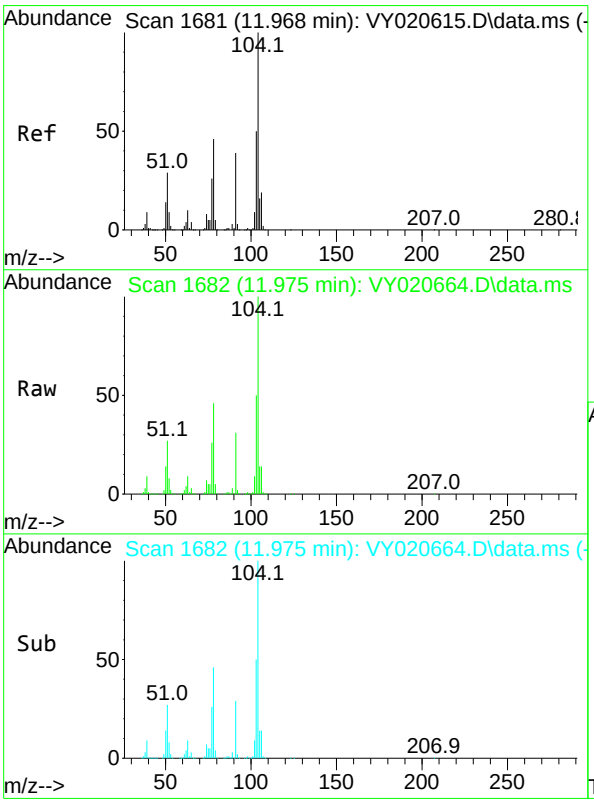
#69
o-Xylene
Concen: 54.792 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 208015

Ion	Ratio	Lower	Upper
106	100		
91	221.2	108.4	325.2

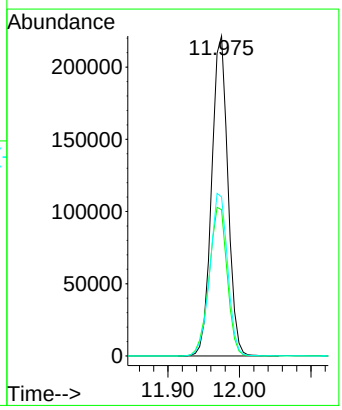


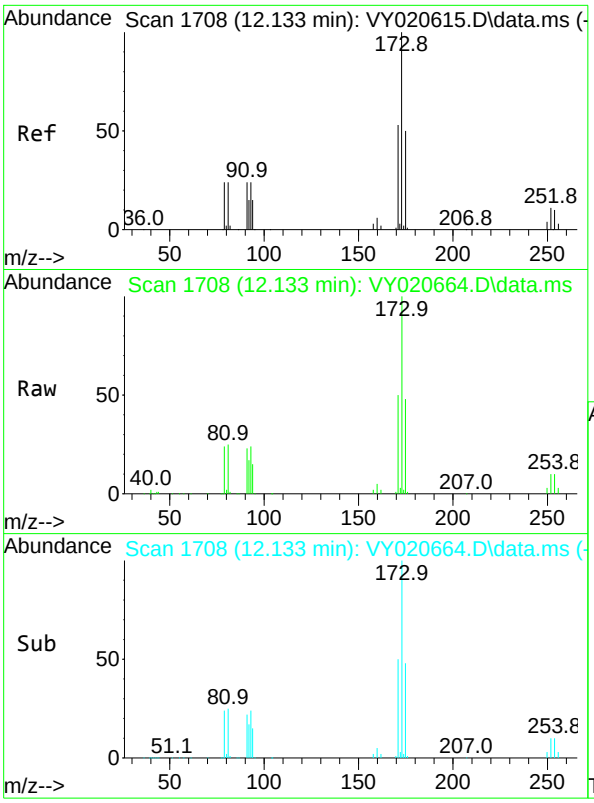


#70
Styrene
Concen: 55.127 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



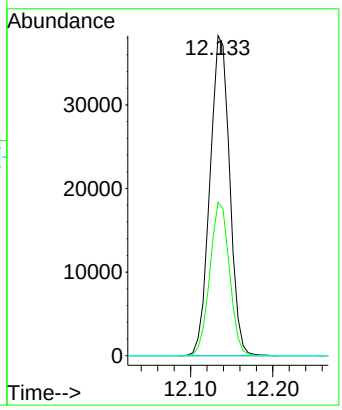


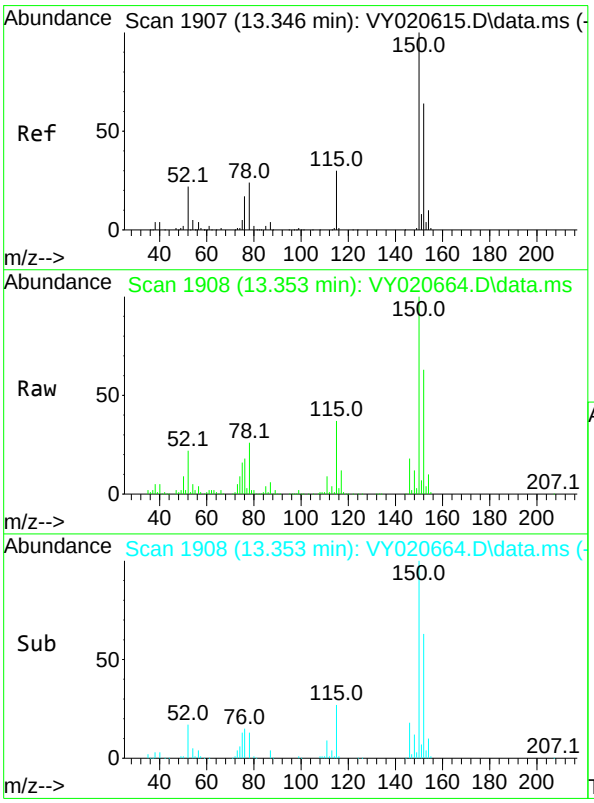
#71
Bromoform
Concen: 55.908 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

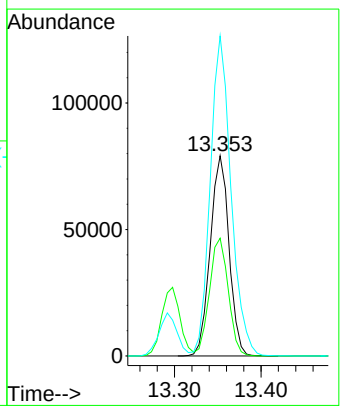


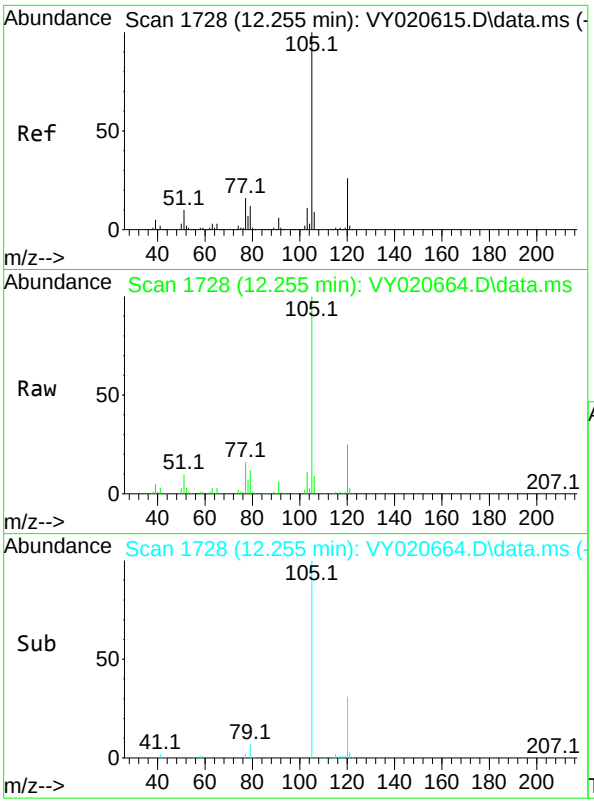


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



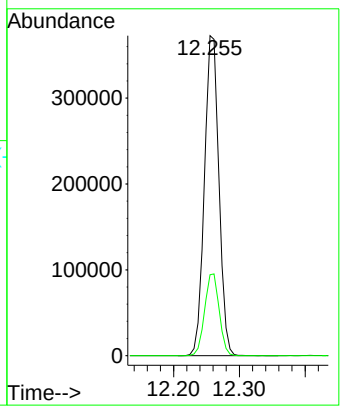


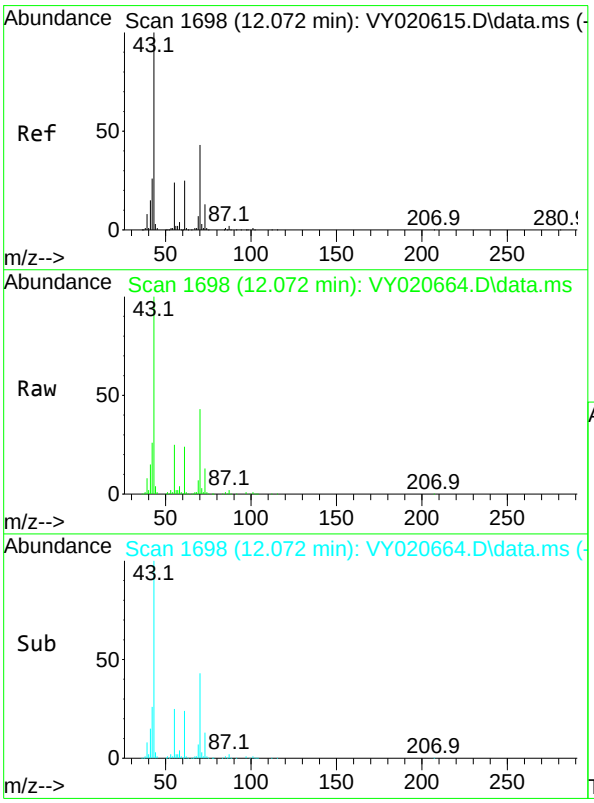
#73
Isopropylbenzene
Concen: 54.823 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 571028

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1

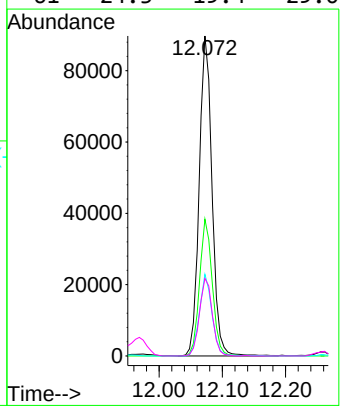


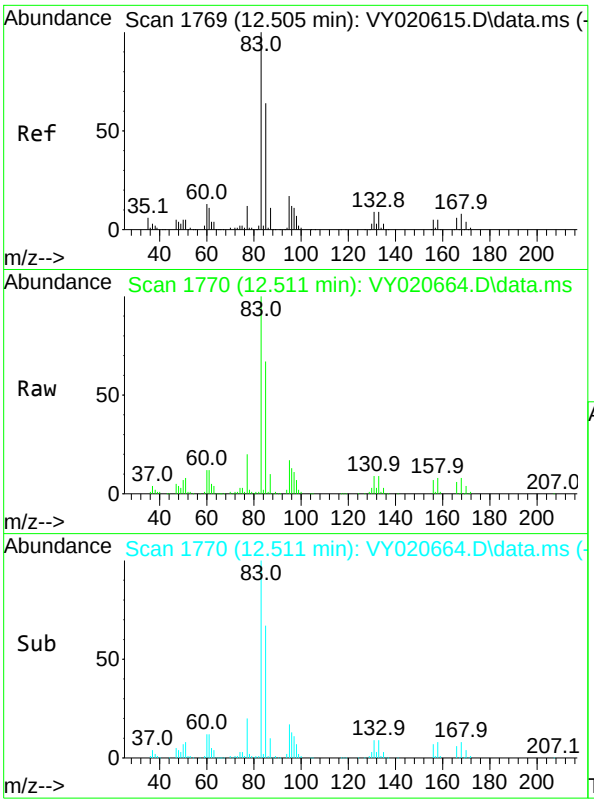


#74
N-amyl acetate
Concen: 52.048 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



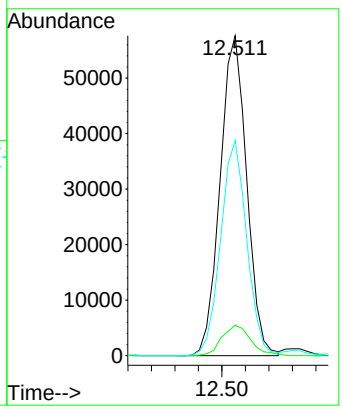


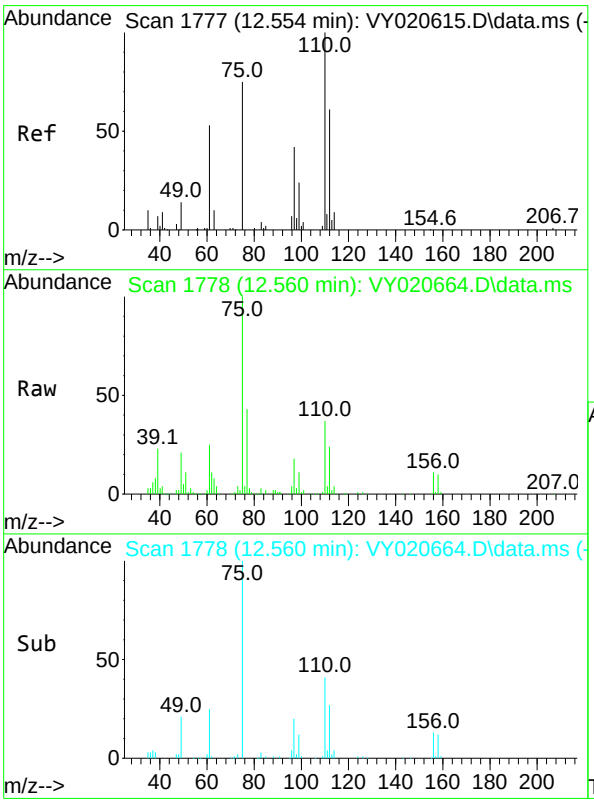
#75
1,1,2,2-Tetrachloroethane
Concen: 53.553 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

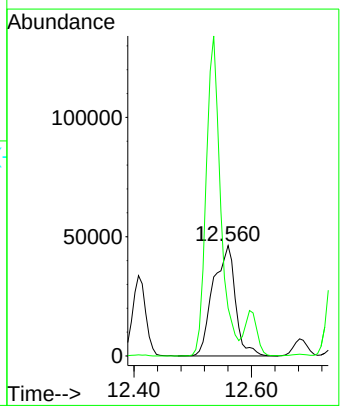


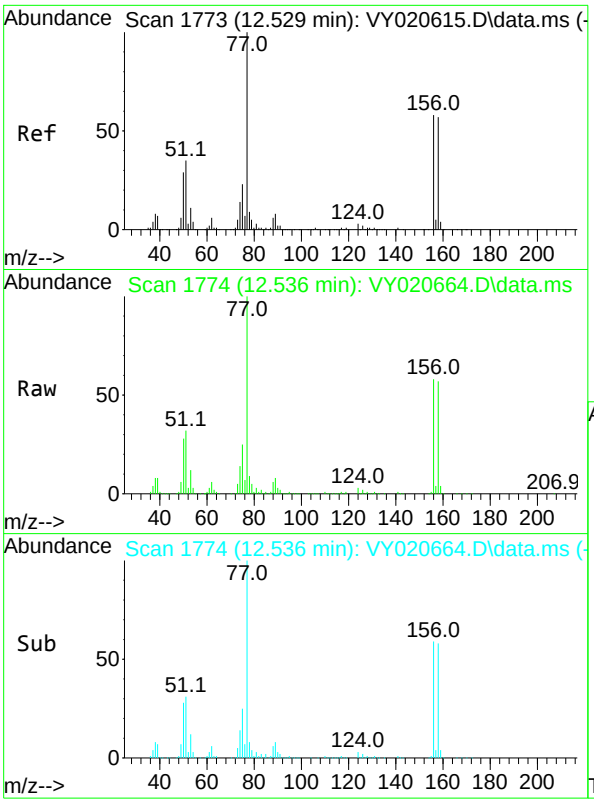


#76
1,2,3-Trichloropropane
Concen: 98.083 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 121614

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



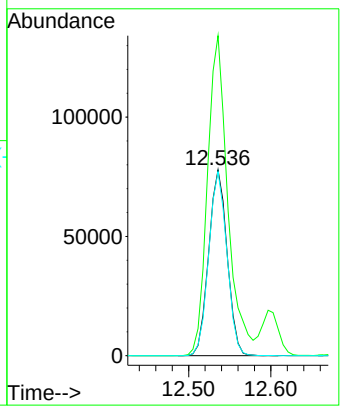


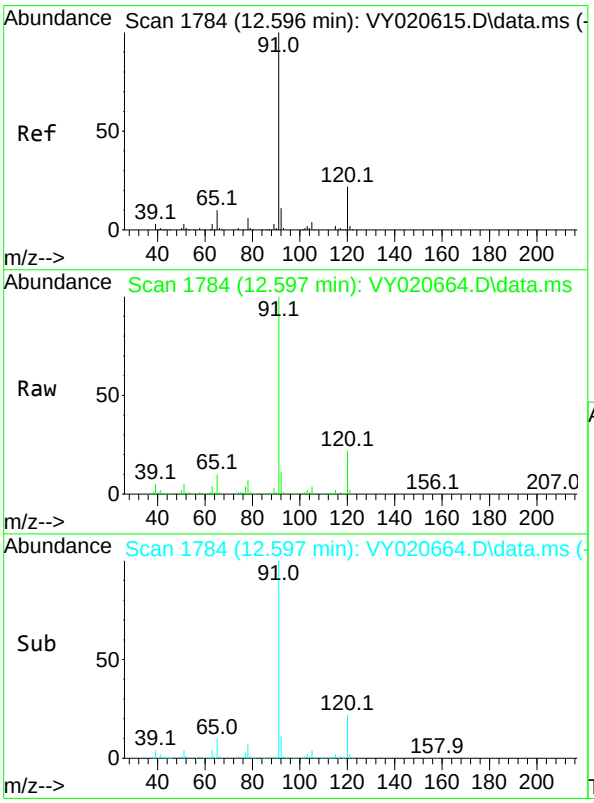
#77
Bromobenzene
Concen: 53.559 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

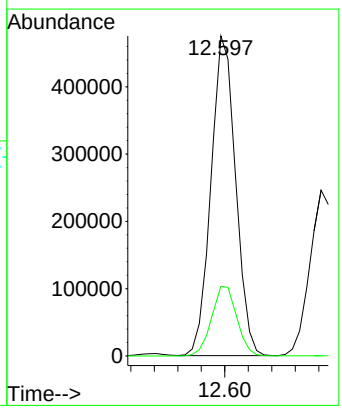


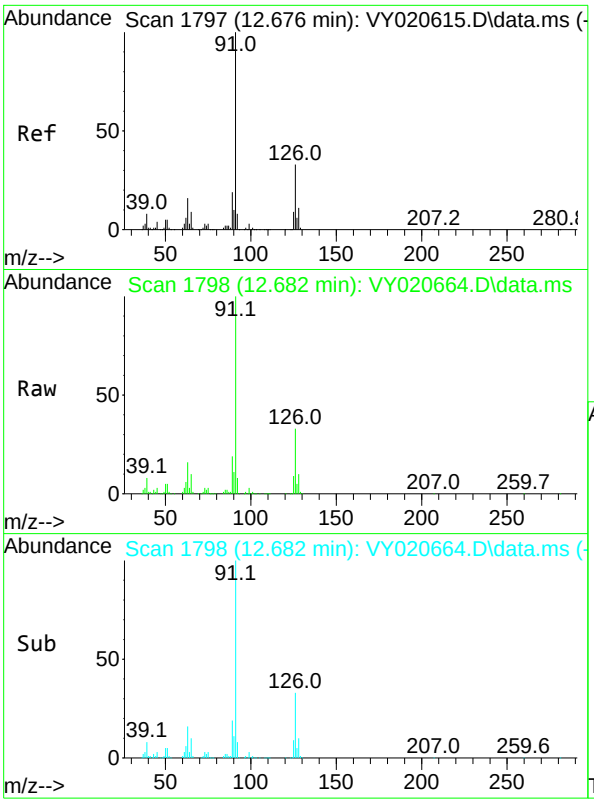


#78
n-propylbenzene
Concen: 55.107 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 691545

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



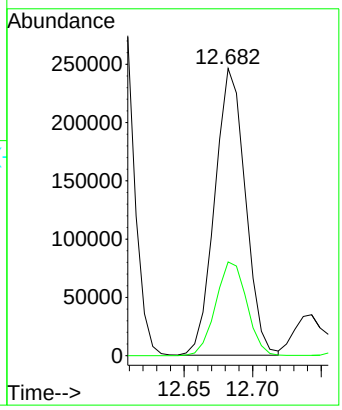


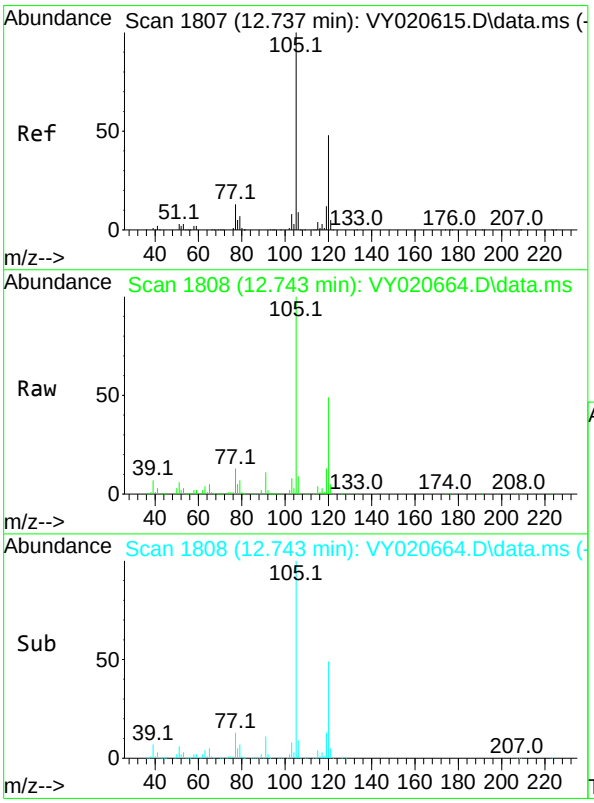
#79
2-Chlorotoluene
Concen: 54.188 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 382585

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

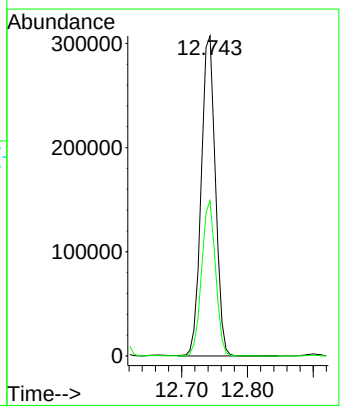


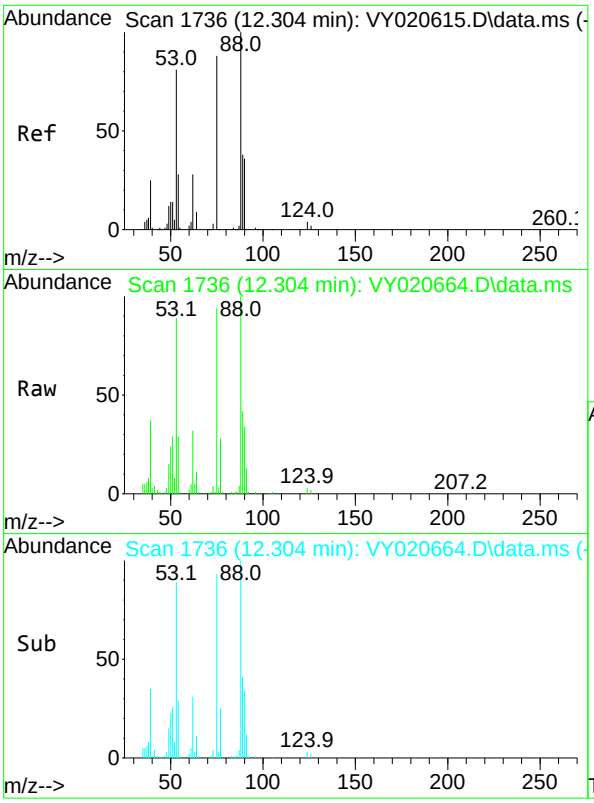


#80
1,3,5-Trimethylbenzene
Concen: 54.473 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 460381

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



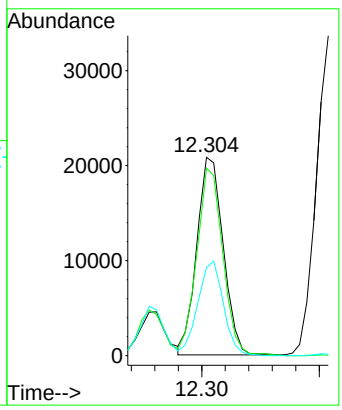


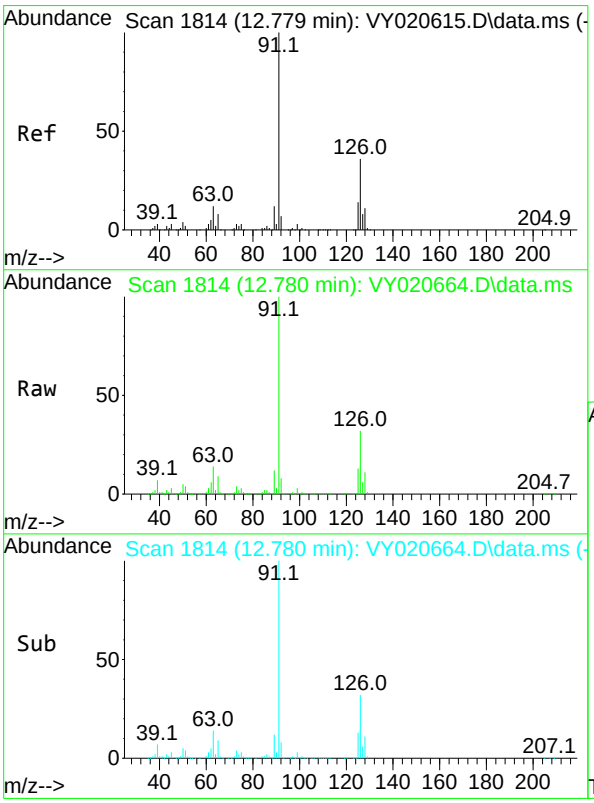
#81
trans-1,4-Dichloro-2-butene
Concen: 54.979 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

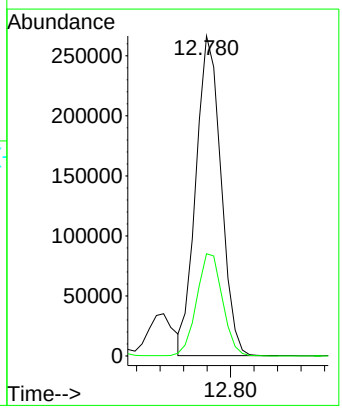


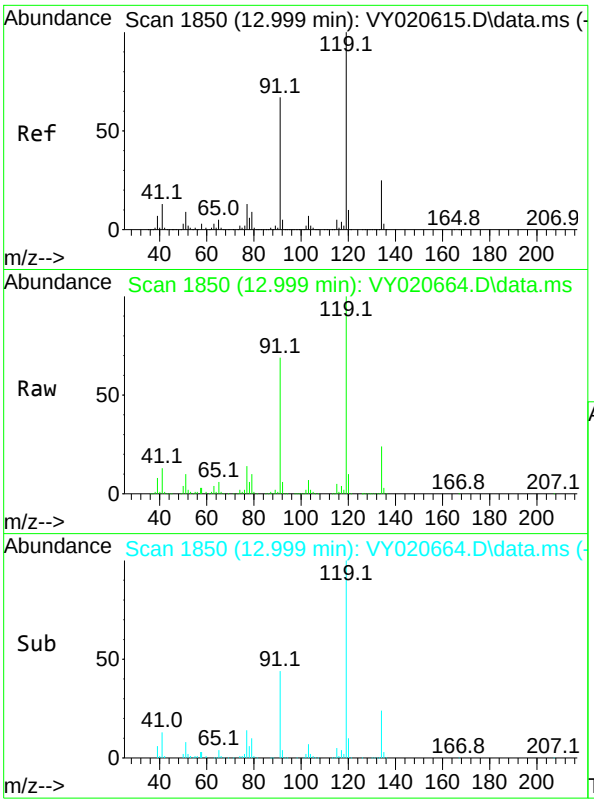


#82
4-Chlorotoluene
Concen: 53.864 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 394546

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



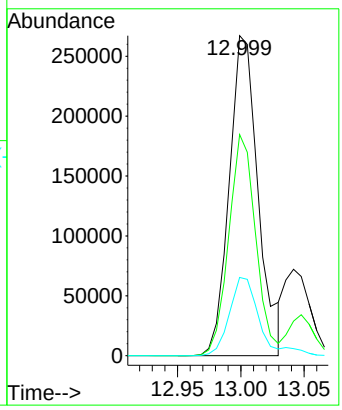


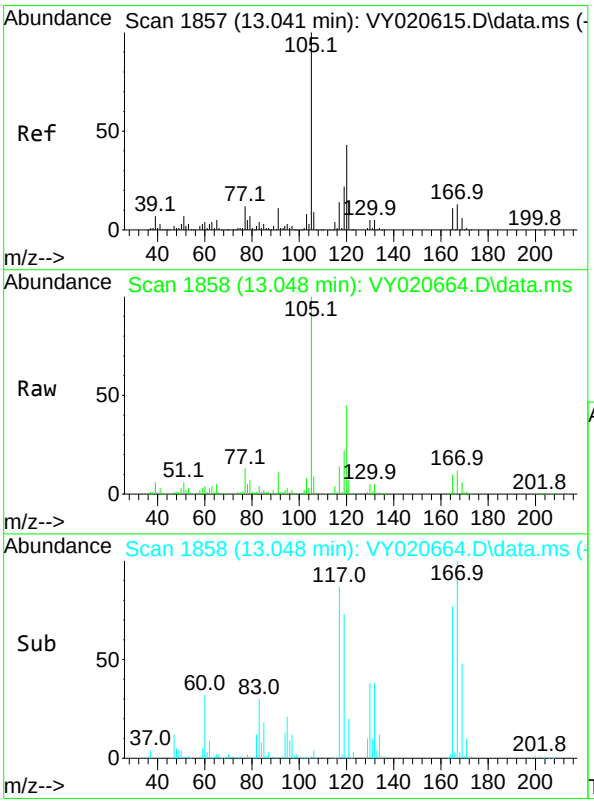
#83
tert-Butylbenzene
Concen: 55.644 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

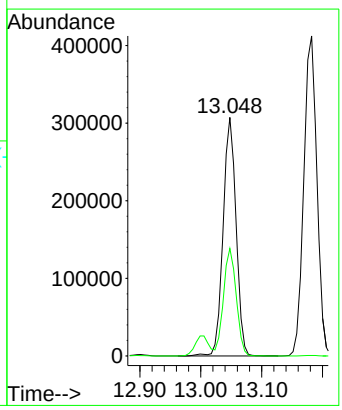


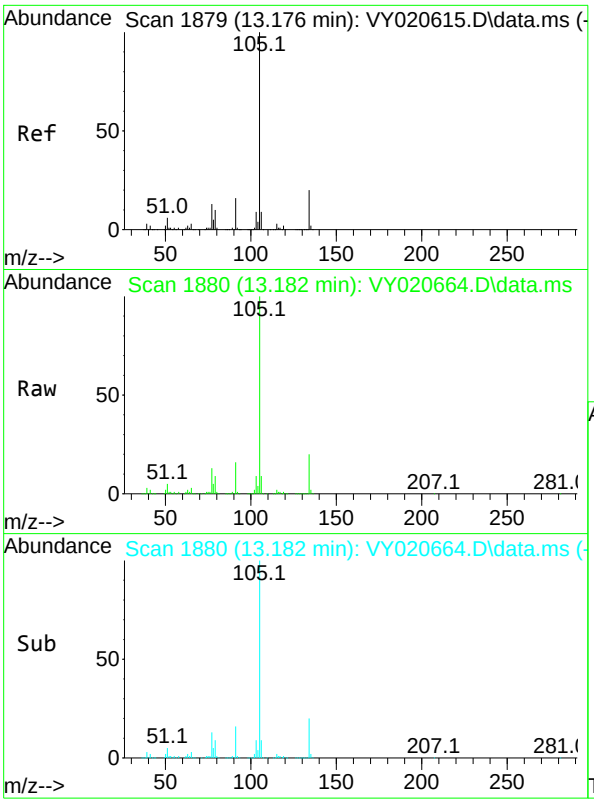


#84
1,2,4-Trimethylbenzene
Concen: 54.789 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 454208

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



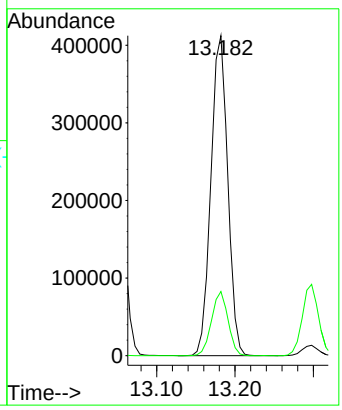


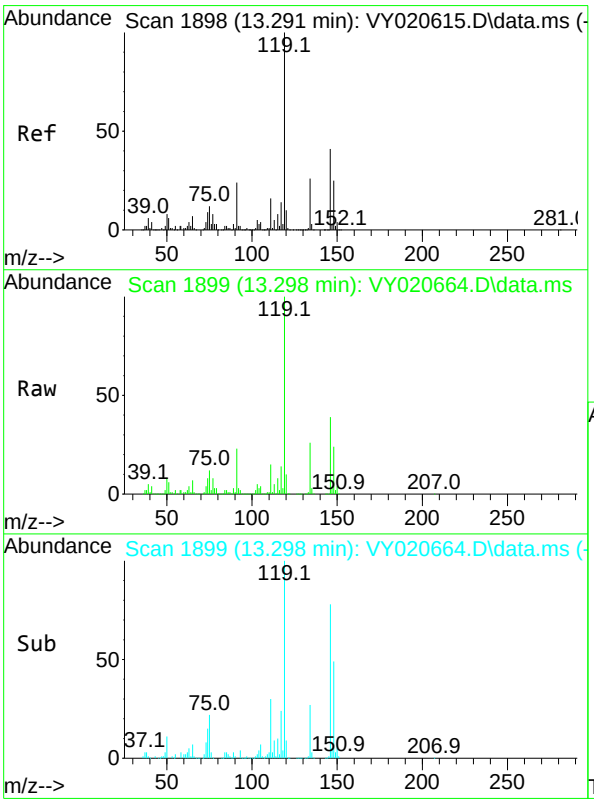
#85
sec-Butylbenzene
Concen: 55.289 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 615306

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0

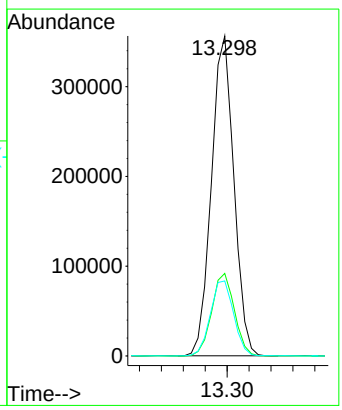


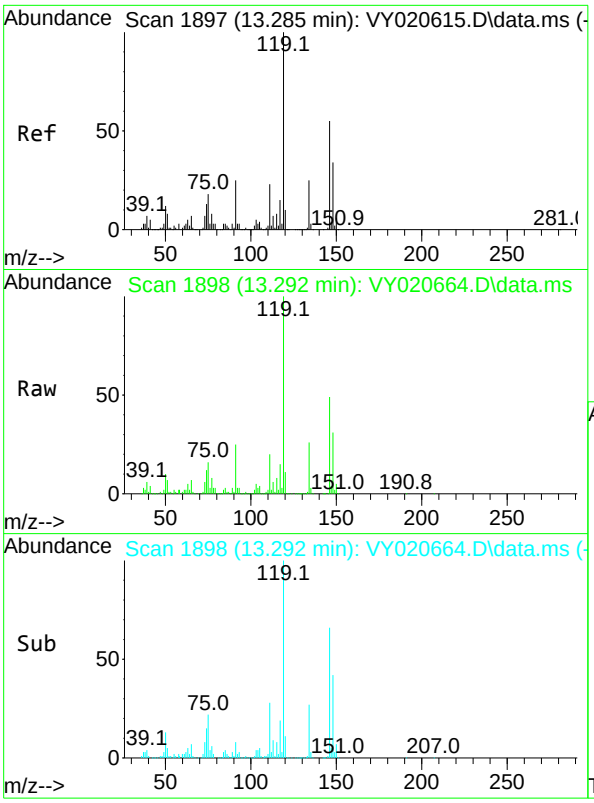


#86
p-Isopropyltoluene
Concen: 55.299 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



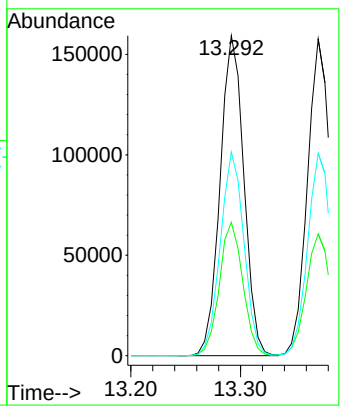


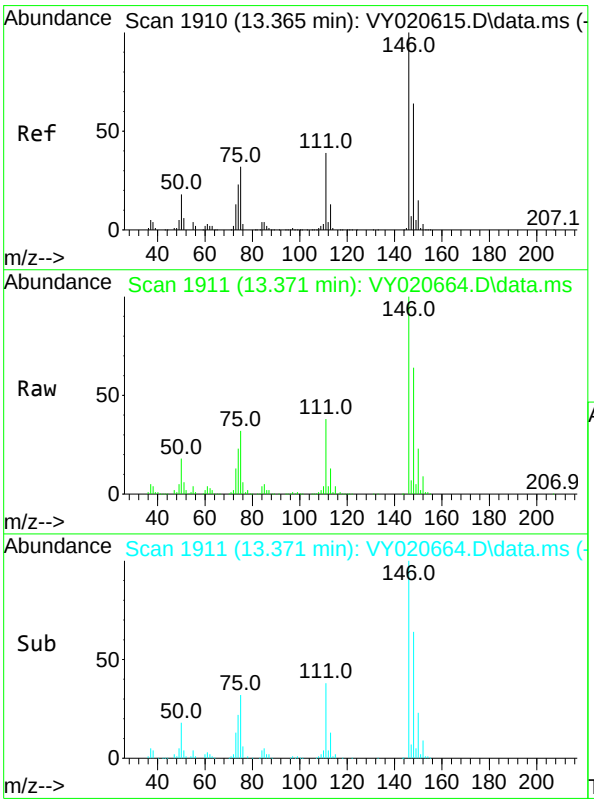
#87
1,3-Dichlorobenzene
Concen: 53.623 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

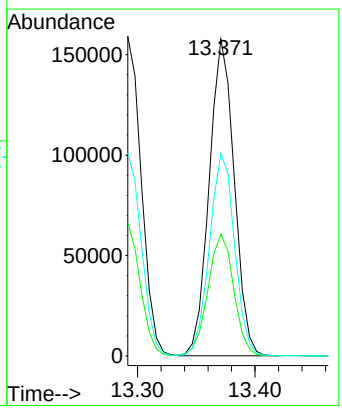


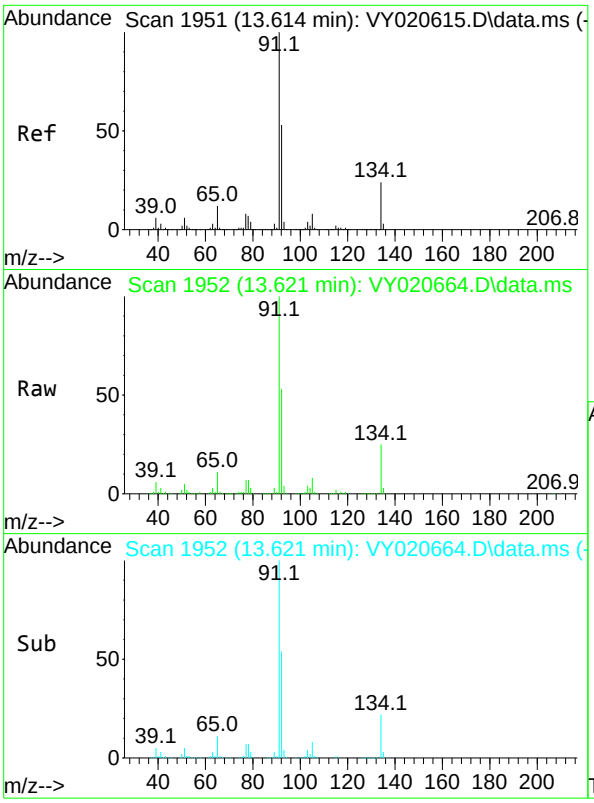


#88
1,4-Dichlorobenzene
Concen: 52.643 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



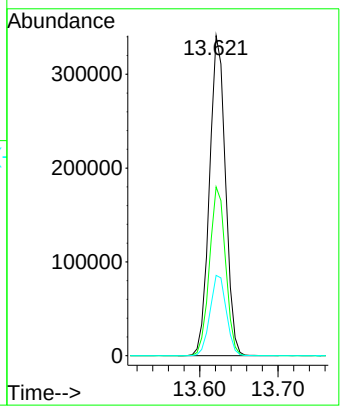


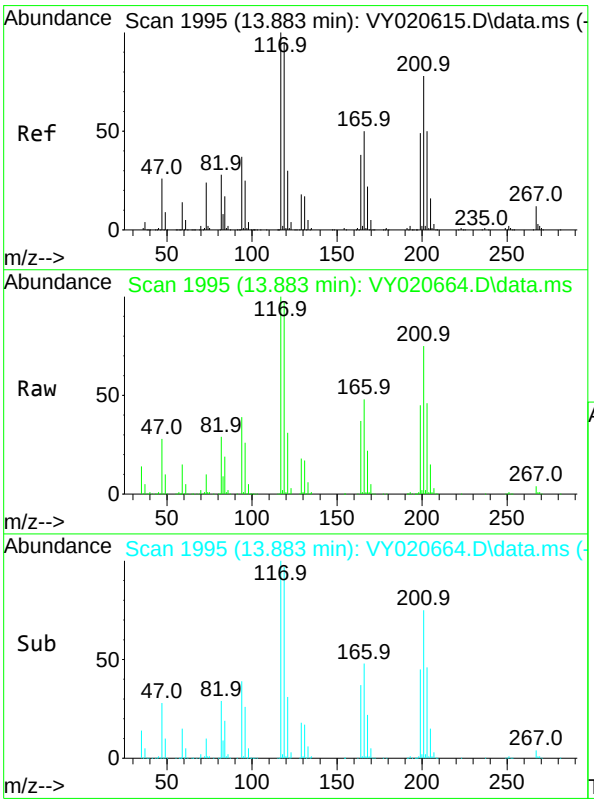
#89
n-Butylbenzene
Concen: 55.471 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

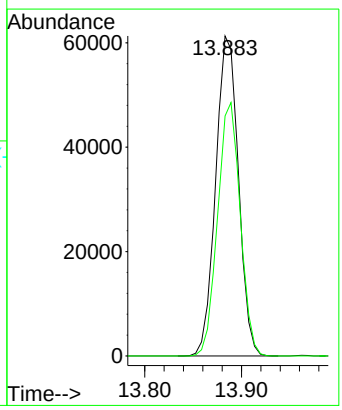


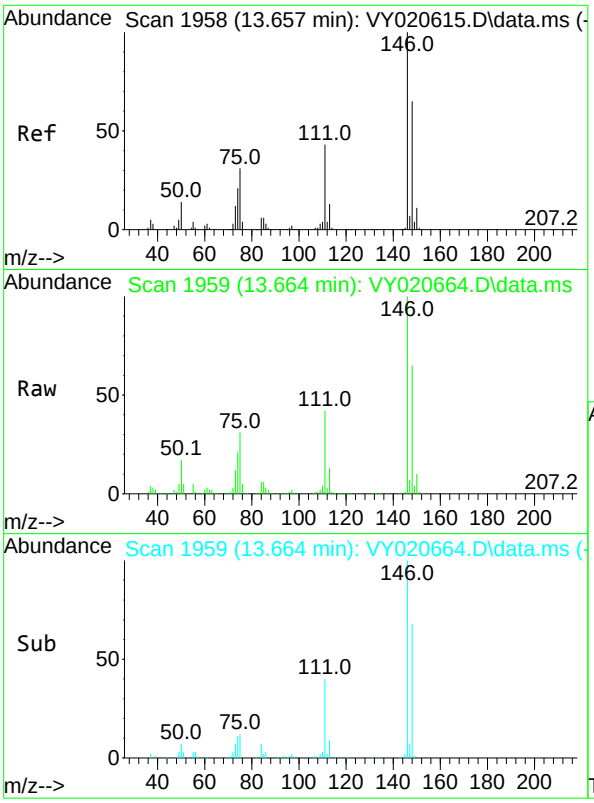


#90
Hexachloroethane
Concen: 54.904 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 99835

Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.1	117.3



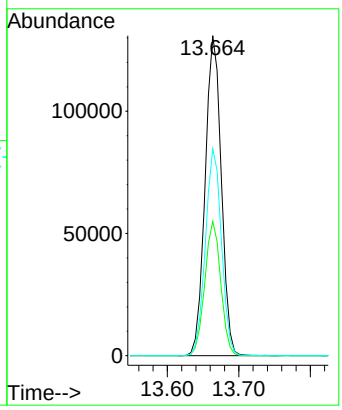


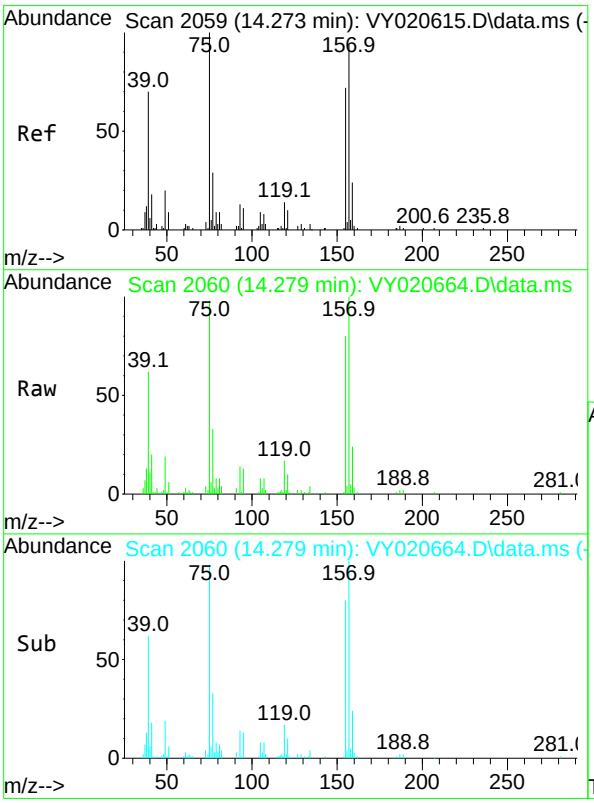
#91
1,2-Dichlorobenzene
Concen: 52.844 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

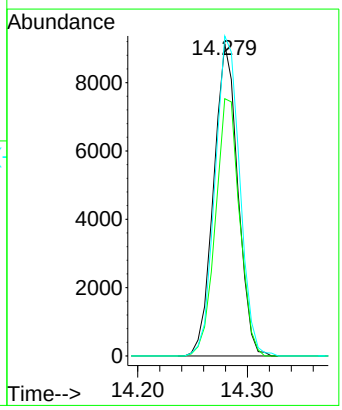


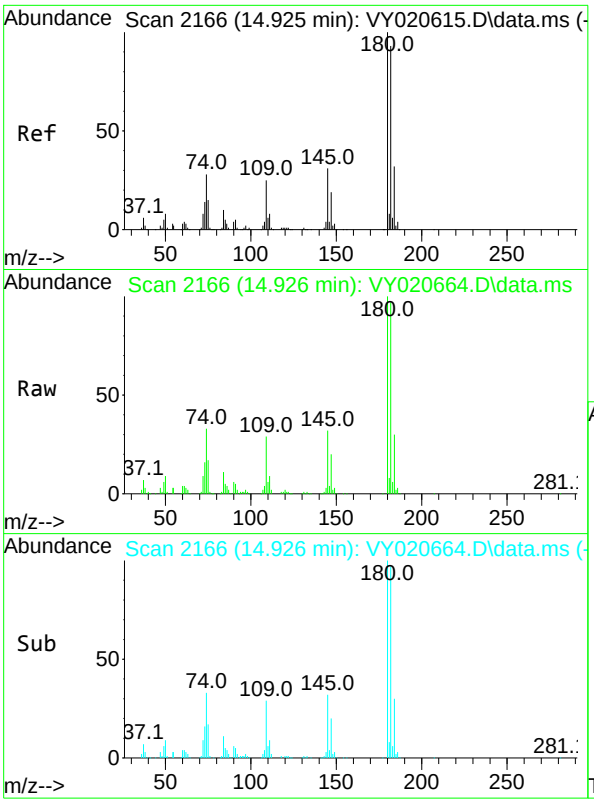


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.926 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



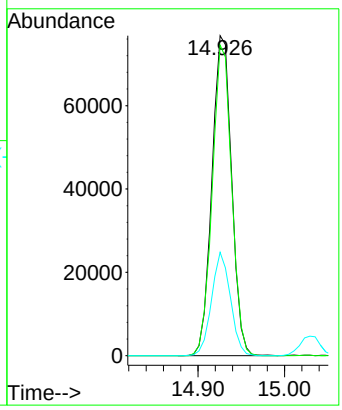


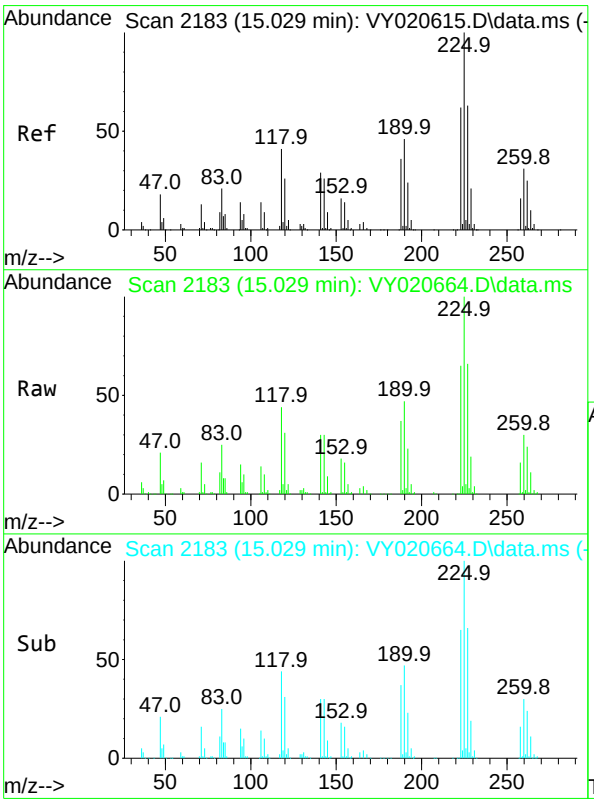
#93
1,2,4-Trichlorobenzene
Concen: 51.603 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

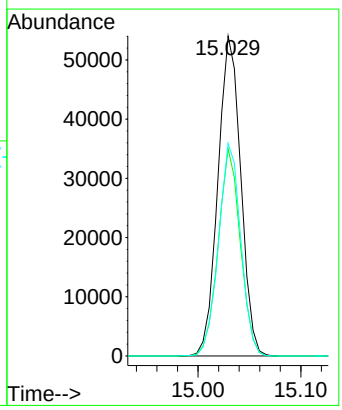


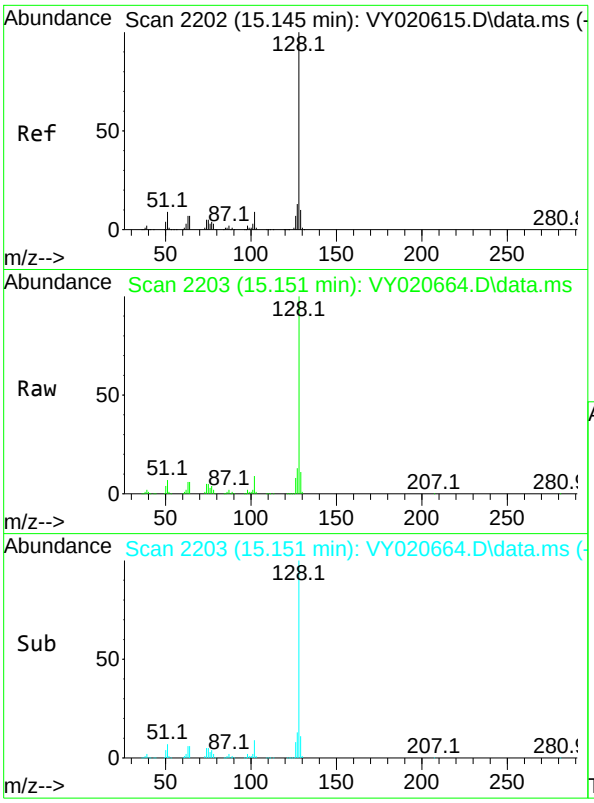


#94
Hexachlorobutadiene
Concen: 54.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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



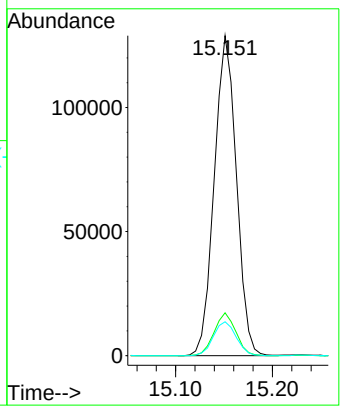


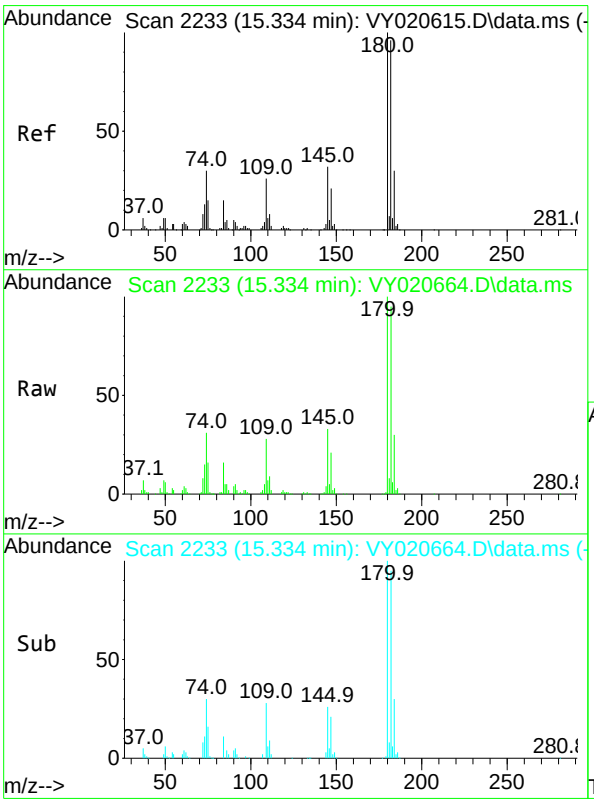
#95
Naphthalene
Concen: 50.926 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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

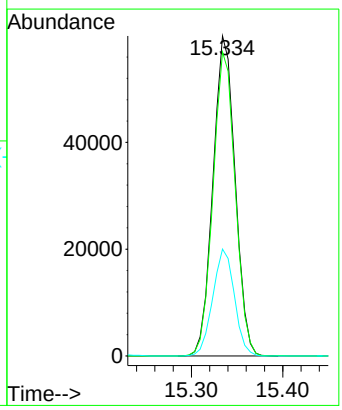




#96
1,2,3-Trichlorobenzene
Concen: 50.866 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

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)

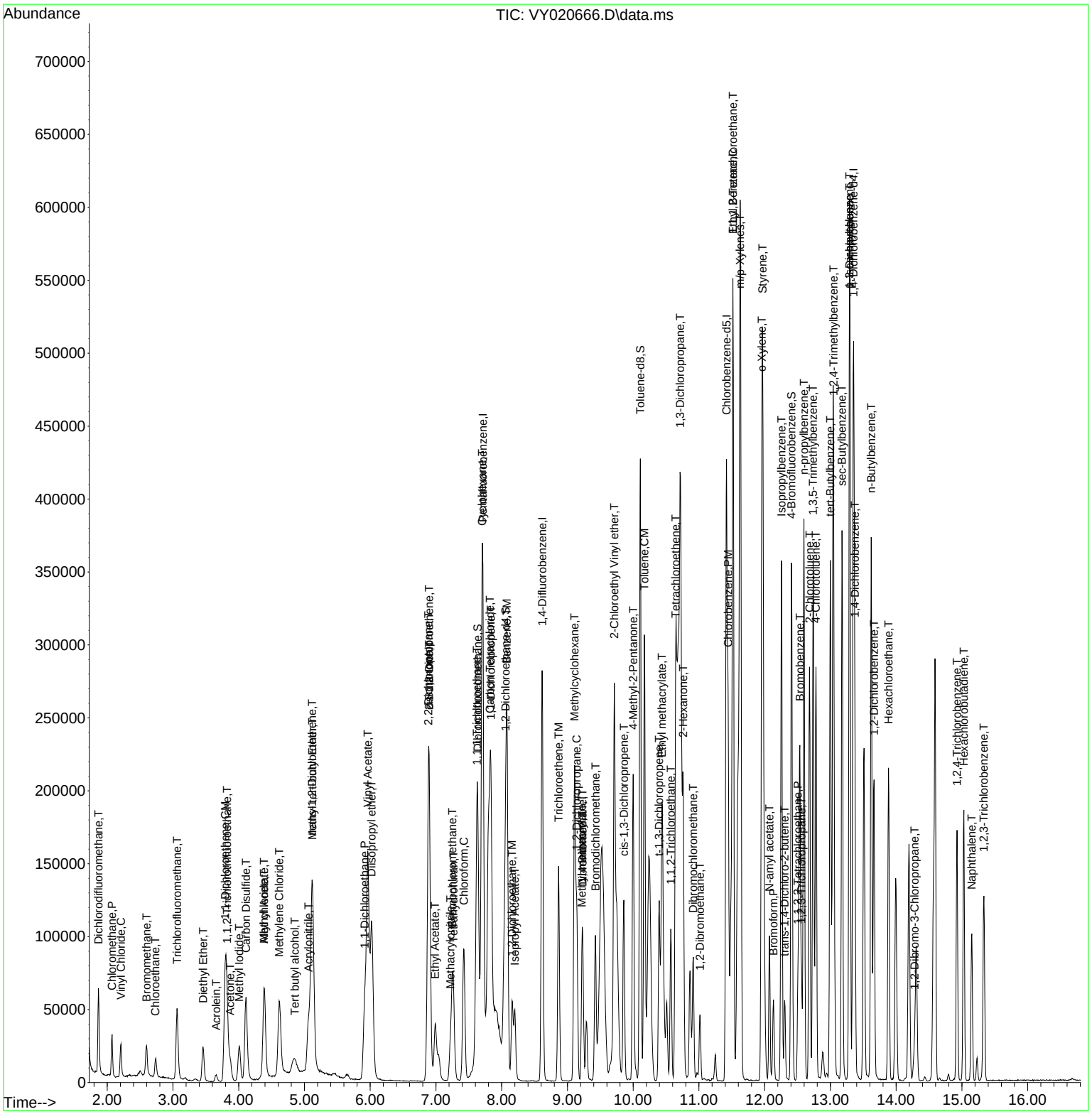
(#) = qualifier out of range (m) = manual integration (+) = signals summed

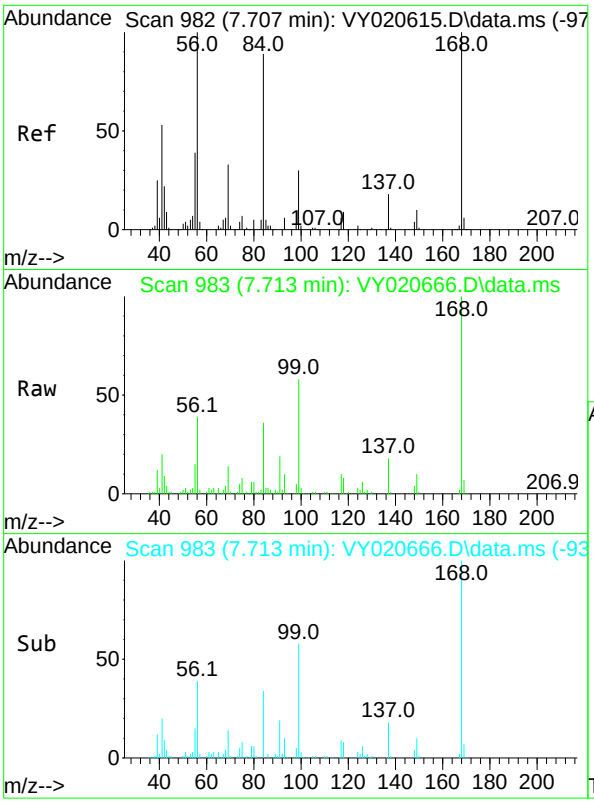
Quantitation Report (Not Reviewed)

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



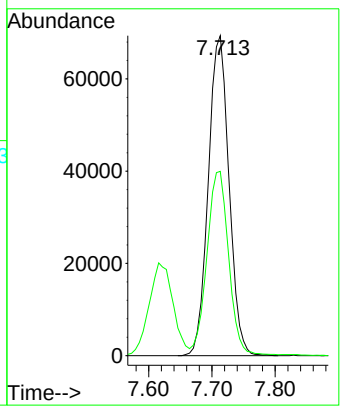


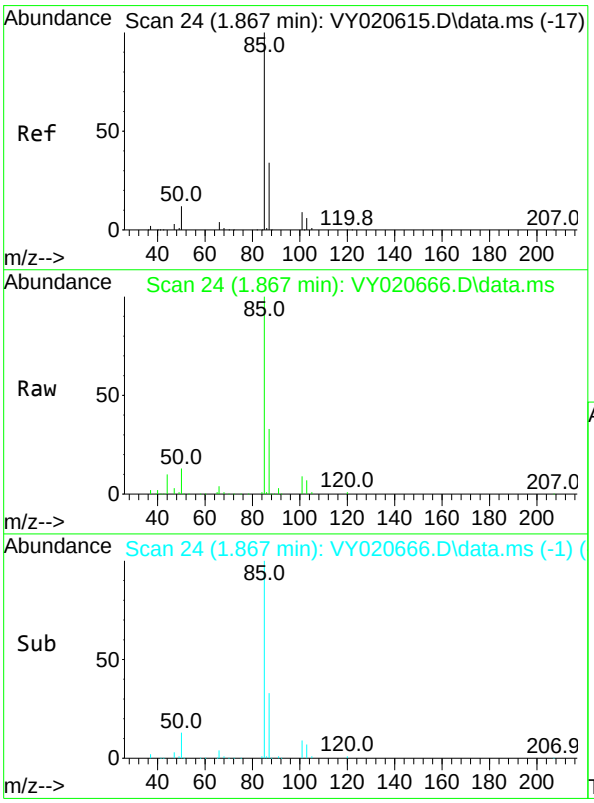
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:168 Resp: 157442

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

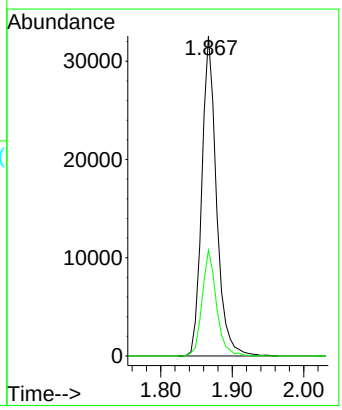


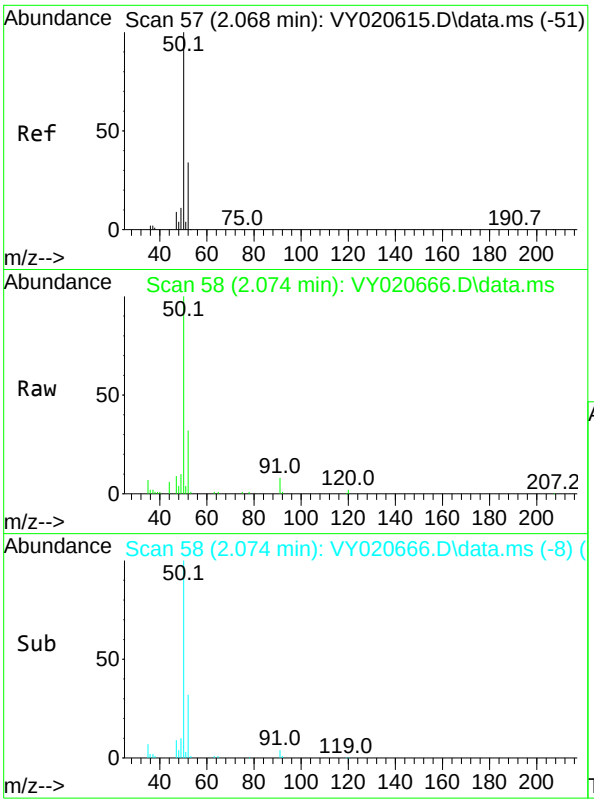


#2
Dichlorodifluoromethane
Concen: 23.644 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 85 Resp: 46496

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3



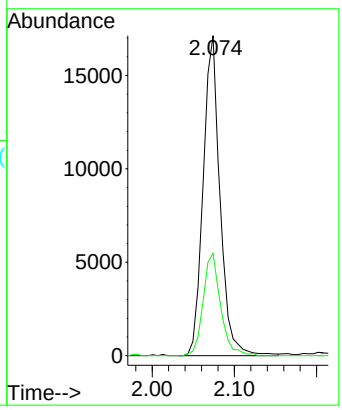


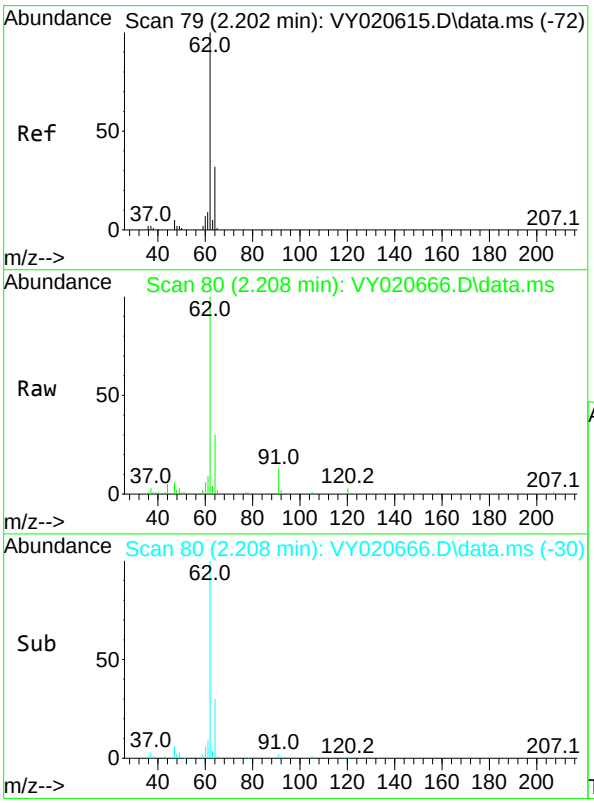
#3
Chloromethane
Concen: 16.744 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 50 Resp: 24398

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

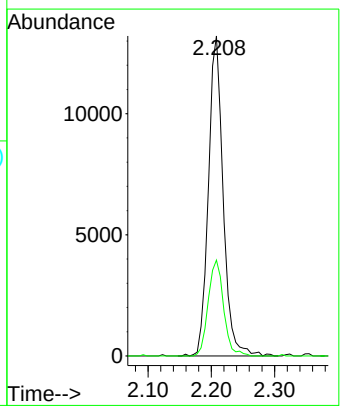


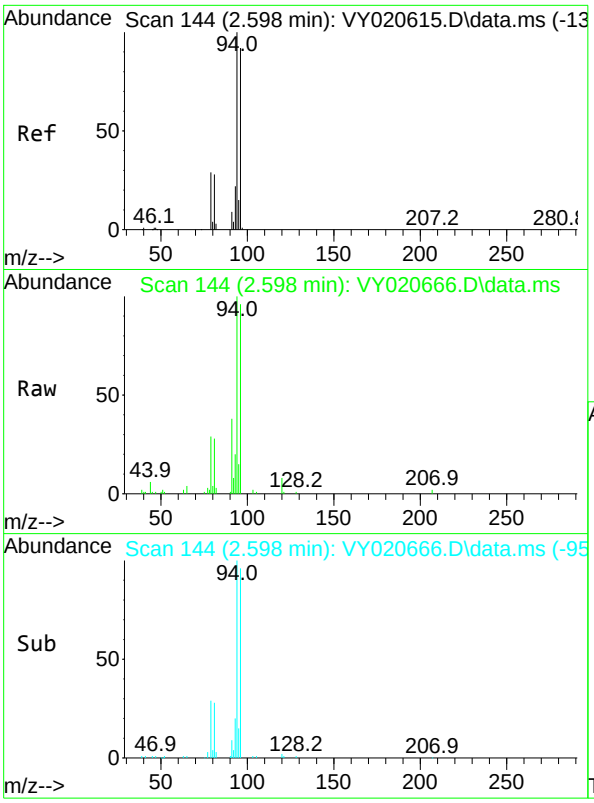


#4
Vinyl Chloride
Concen: 15.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 21407

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.3	37.9



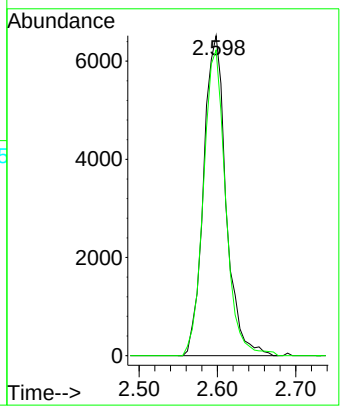


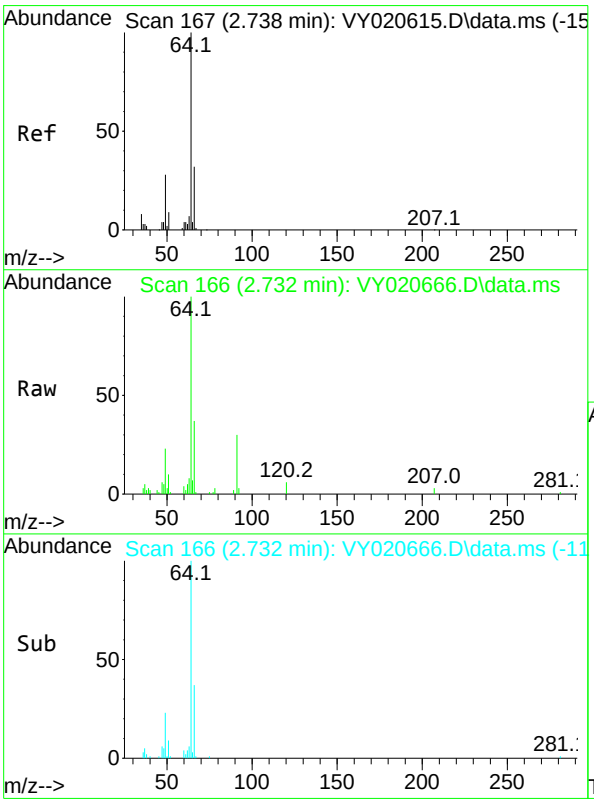
#5
Bromomethane
Concen: 14.895 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 94 Resp: 12985

Ion	Ratio	Lower	Upper
94	100		
96	95.5	73.8	110.6

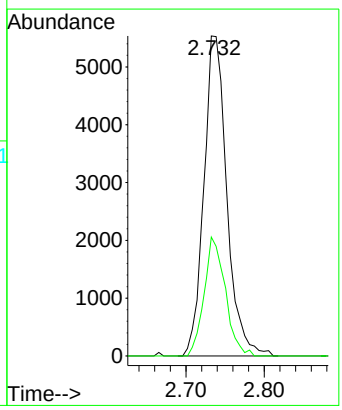


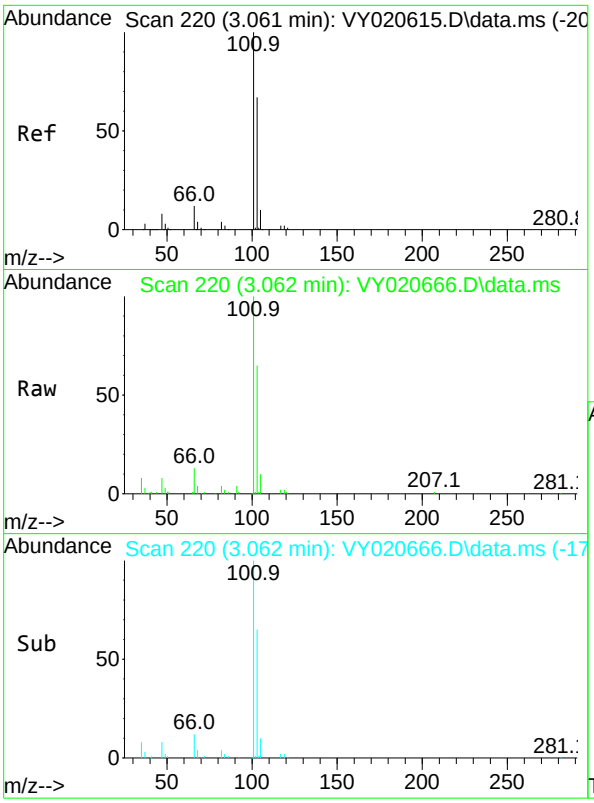


#6
Chloroethane
Concen: 13.462 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 64 Resp: 11282

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.8	38.6



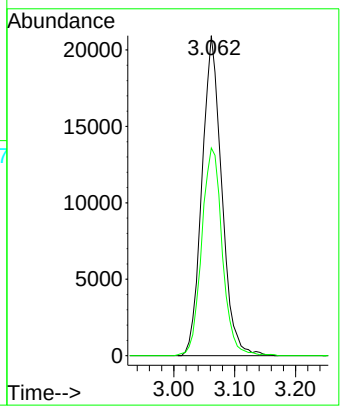


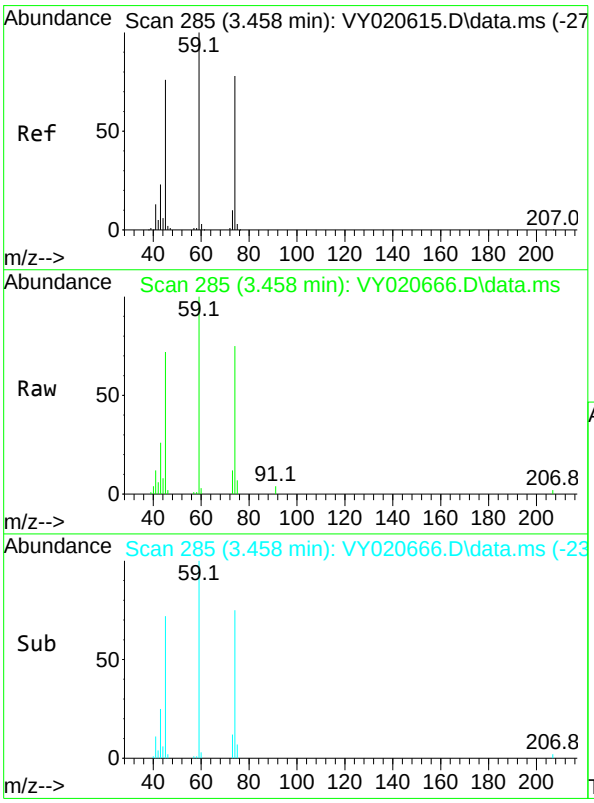
#7
Trichlorofluoromethane
Concen: 16.649 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:101 Resp: 47245

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0

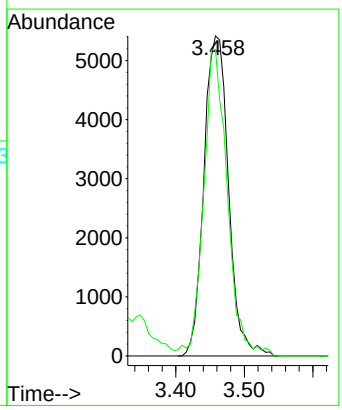


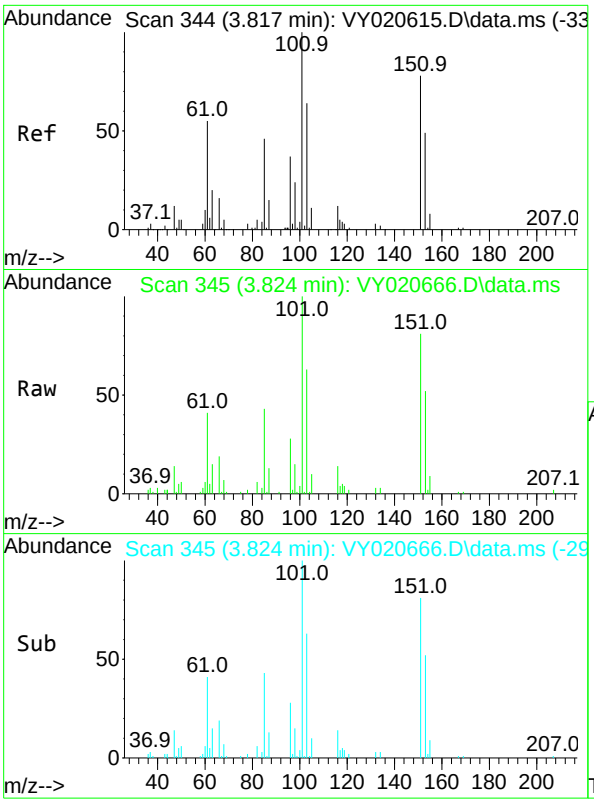


#8
Diethyl Ether
Concen: 13.569 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 74 Resp: 13504

Ion	Ratio	Lower	Upper
74	100		
45	92.8	49.0	147.2



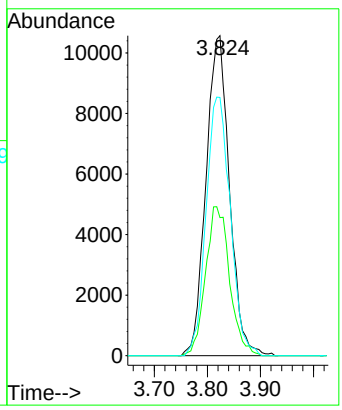


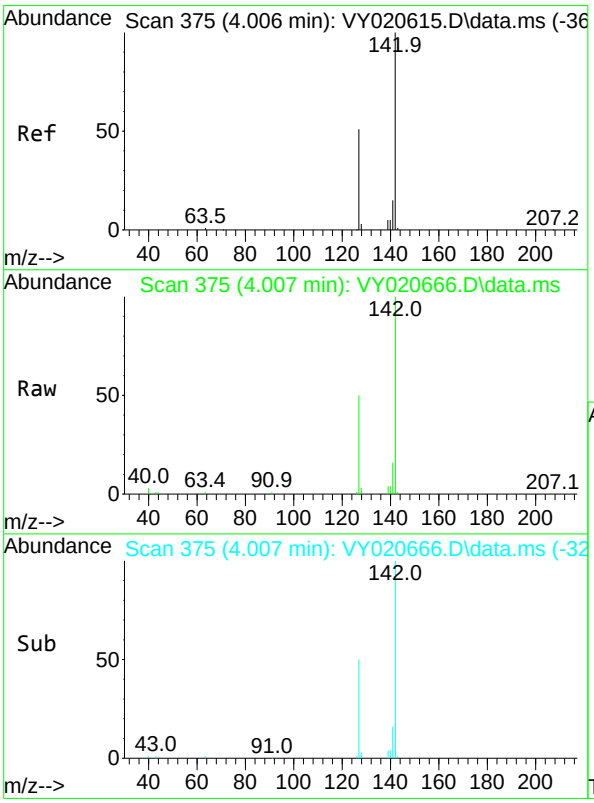
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.018 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

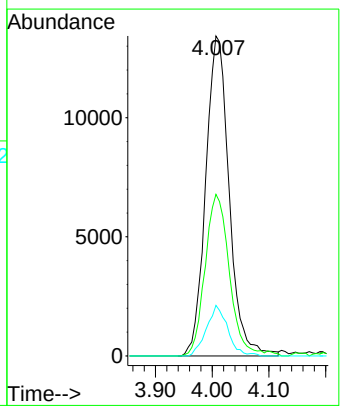


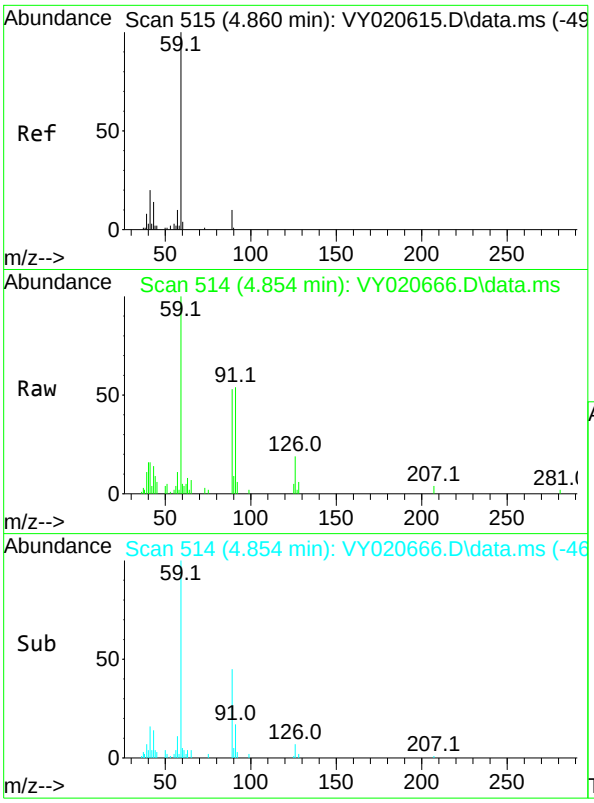


#10
Methyl Iodide
Concen: 17.014 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



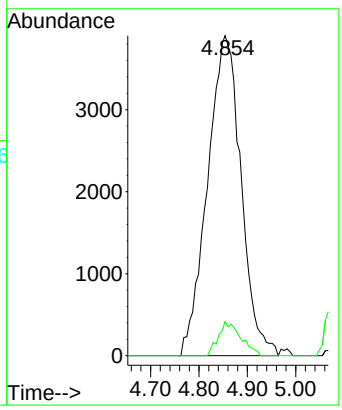


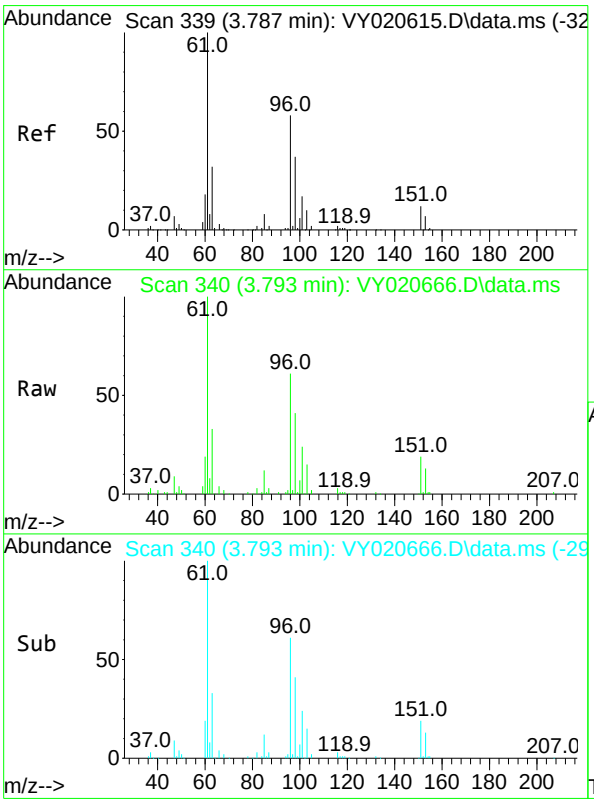
#11
Tert butyl alcohol
Concen: 80.656 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 59 Resp: 18773

Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.4	11.0#

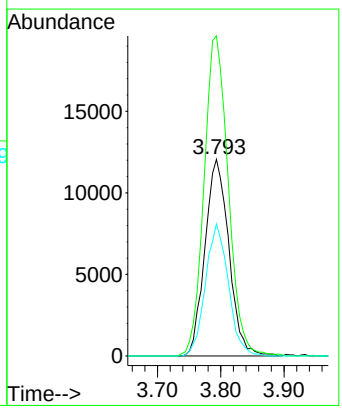


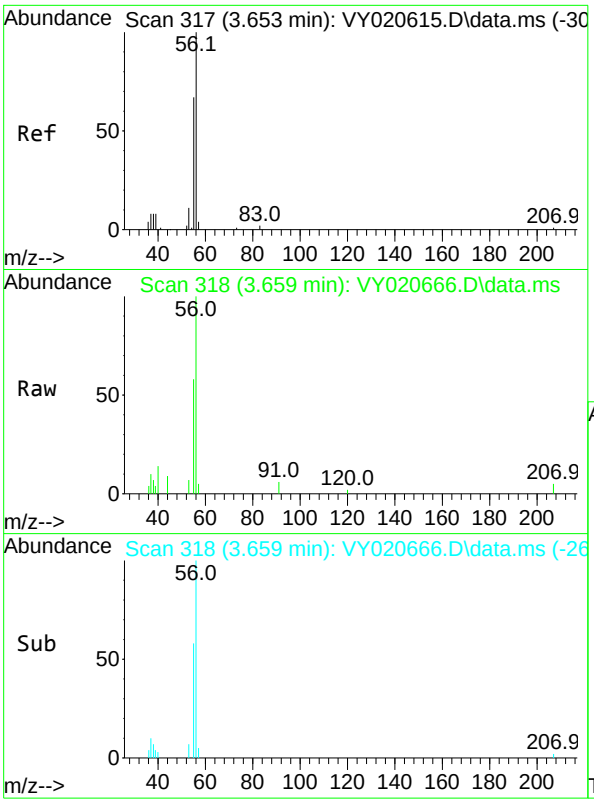


#12
1,1-Dichloroethene
Concen: 16.099 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



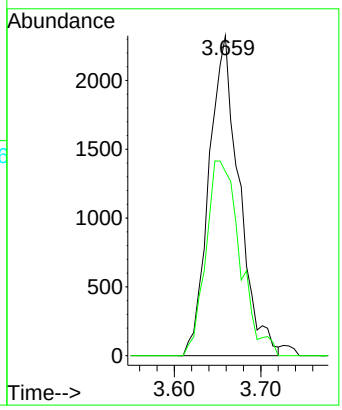


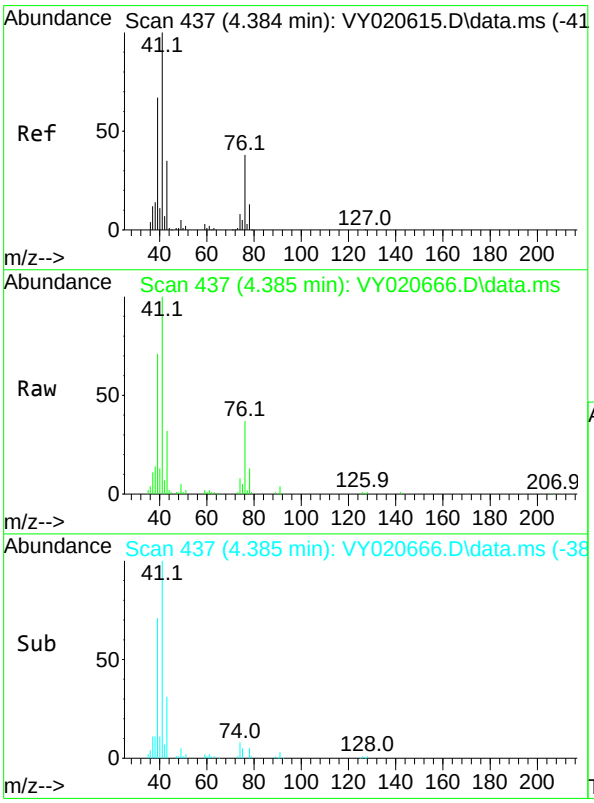
#13
Acrolein
Concen: 69.014 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 56 Resp: 5627

Ion	Ratio	Lower	Upper
56	100		
55	69.1	57.5	86.3

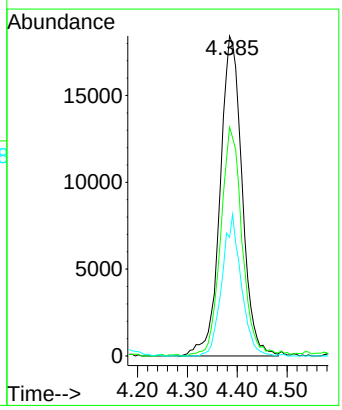


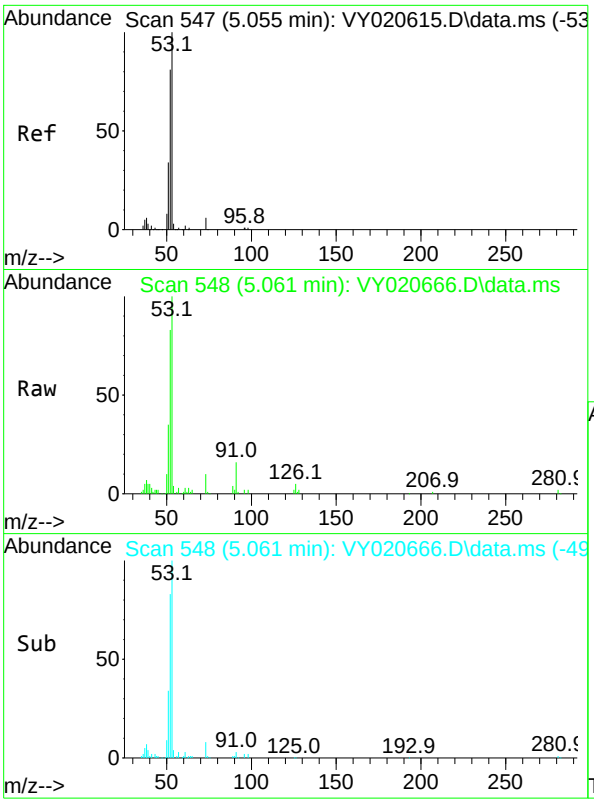


#14
Allyl chloride
Concen: 16.326 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



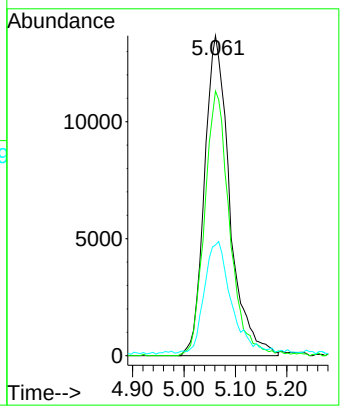


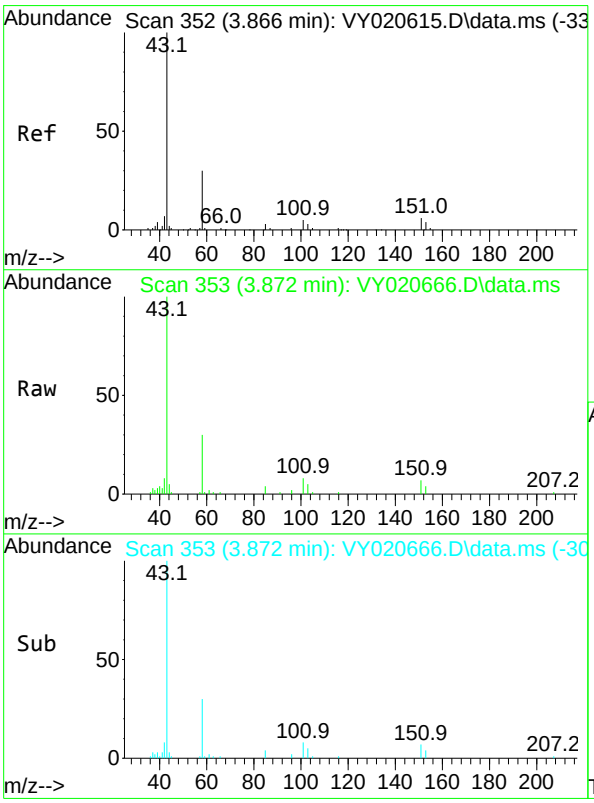
#15
Acrylonitrile
Concen: 97.887 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

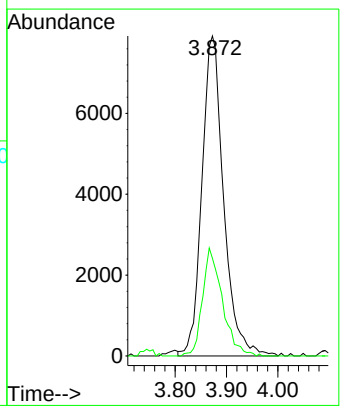


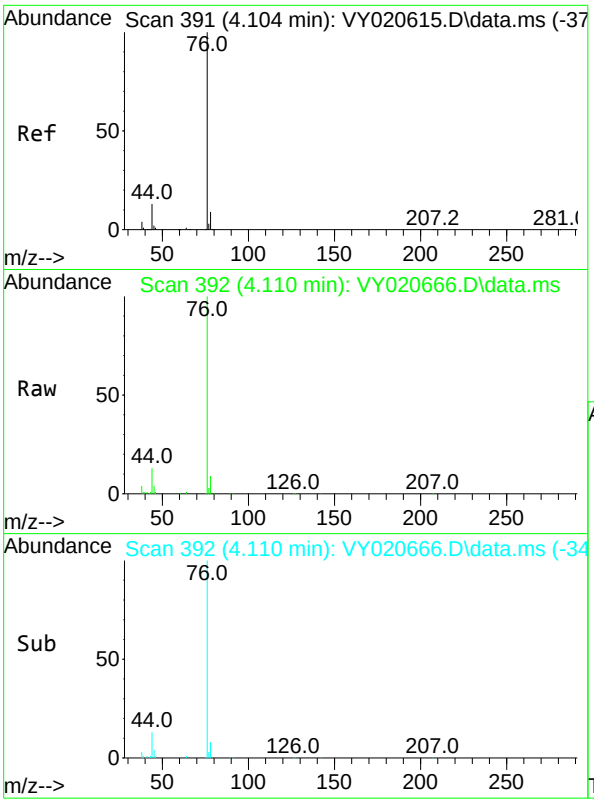


#16
Acetone
Concen: 63.034 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 23242

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.0	37.6



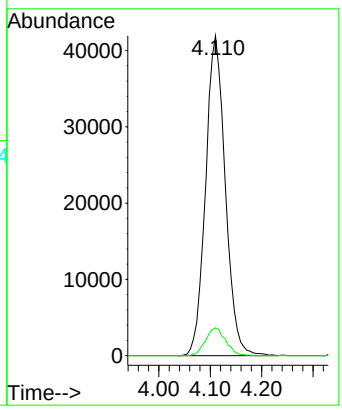


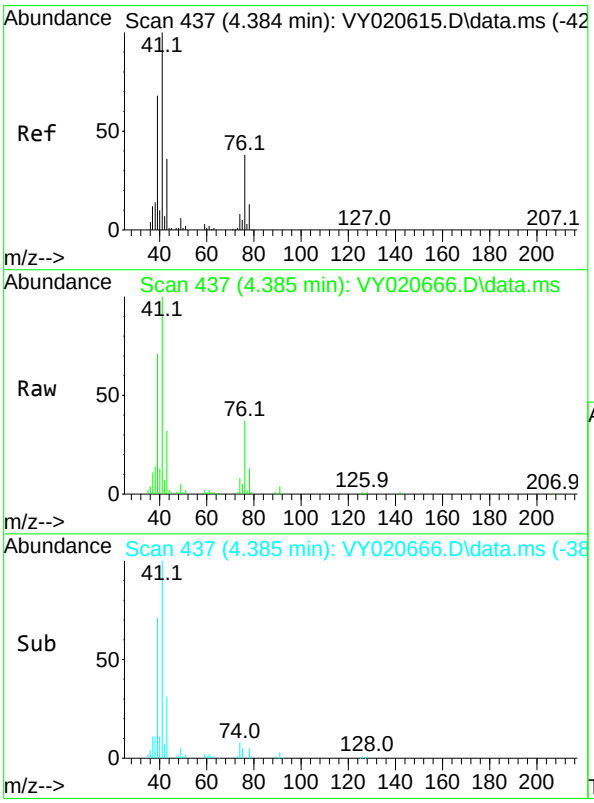
#17
Carbon Disulfide
Concen: 17.411 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 76 Resp: 111849

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

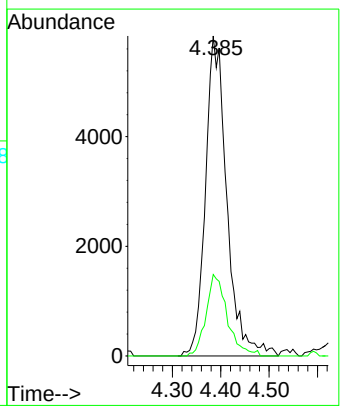


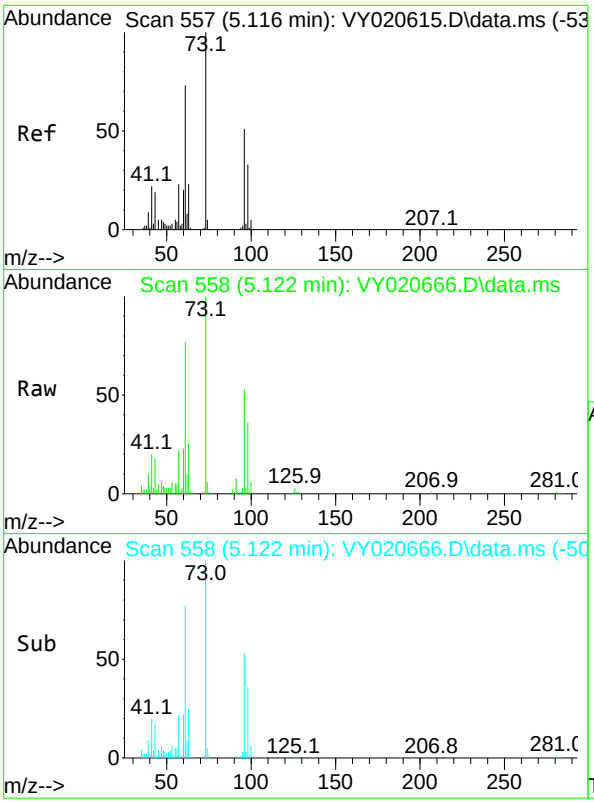


#18
Methyl Acetate
Concen: 15.218 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 17854

Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8



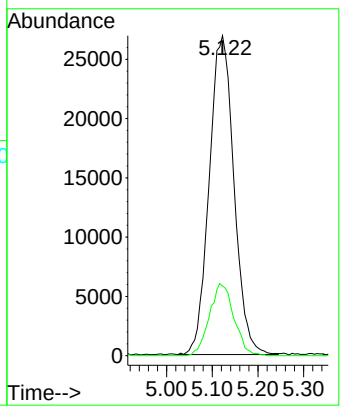


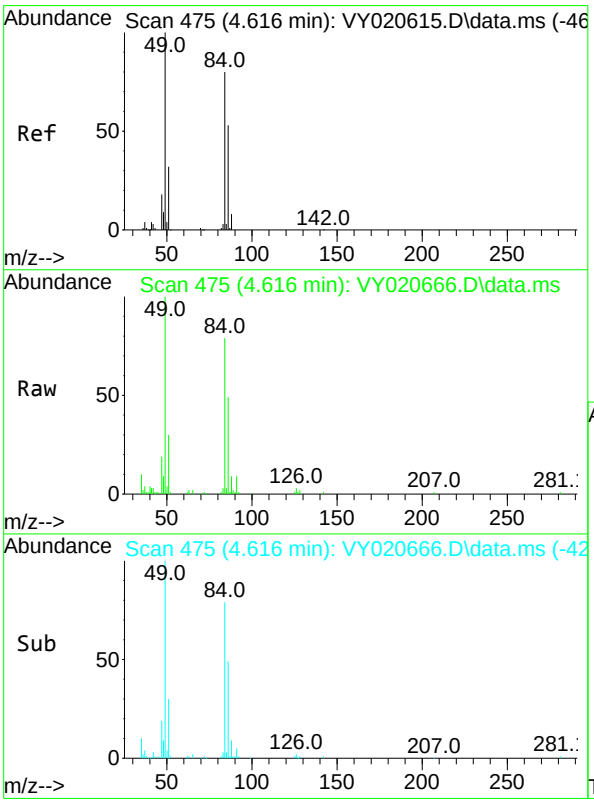
#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 73 Resp: 101223

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7

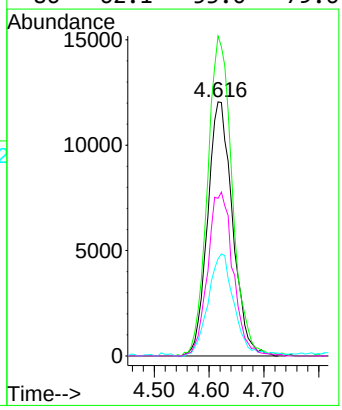


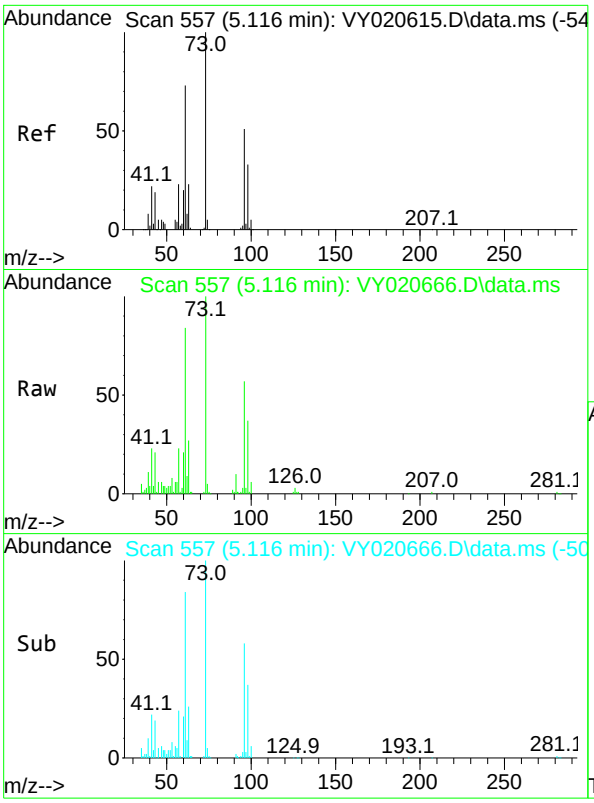


#20
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



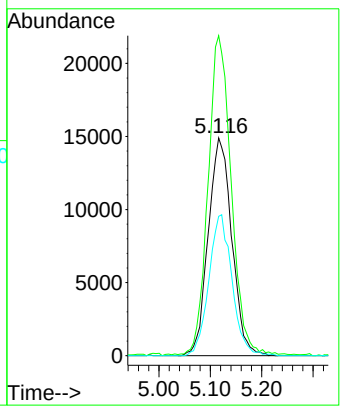


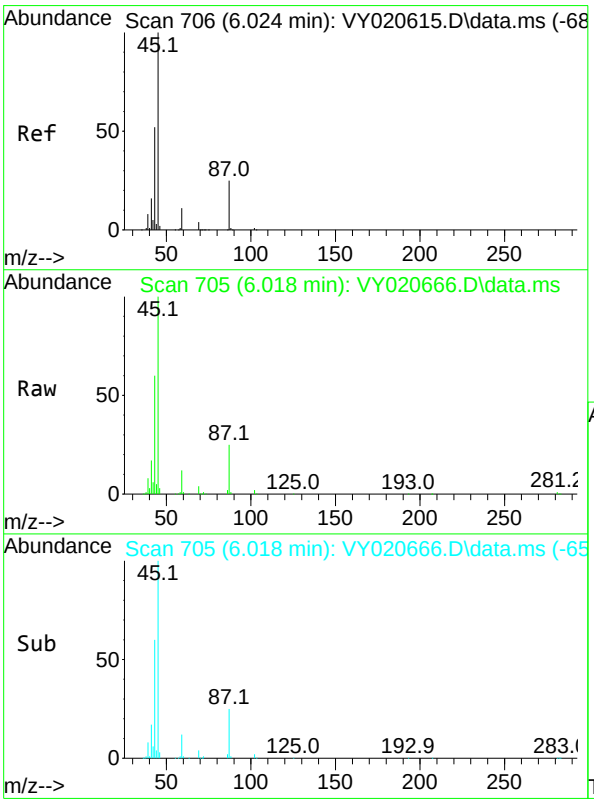
#21
trans-1,2-Dichloroethene
Concen: 21.482 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

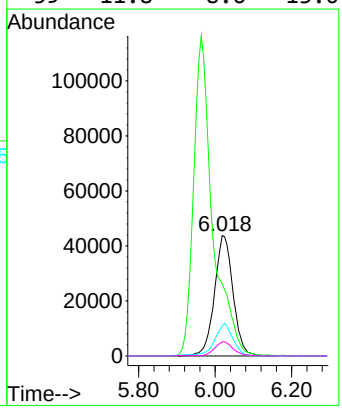


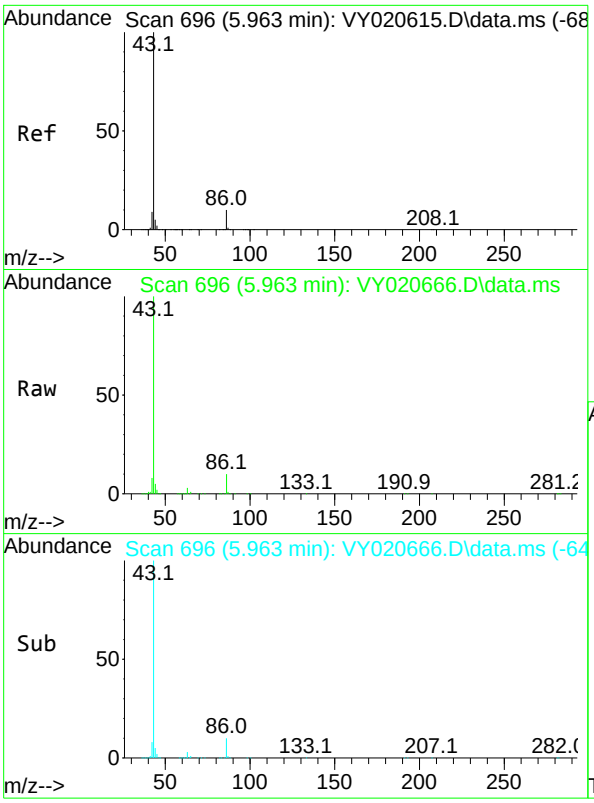


#22
Diisopropyl ether
Concen: 20.998 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



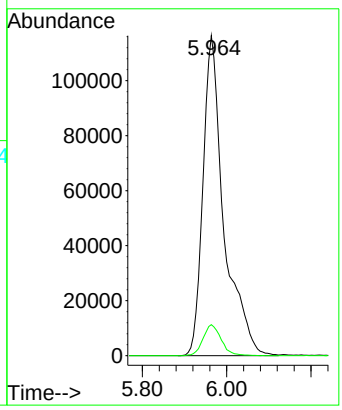


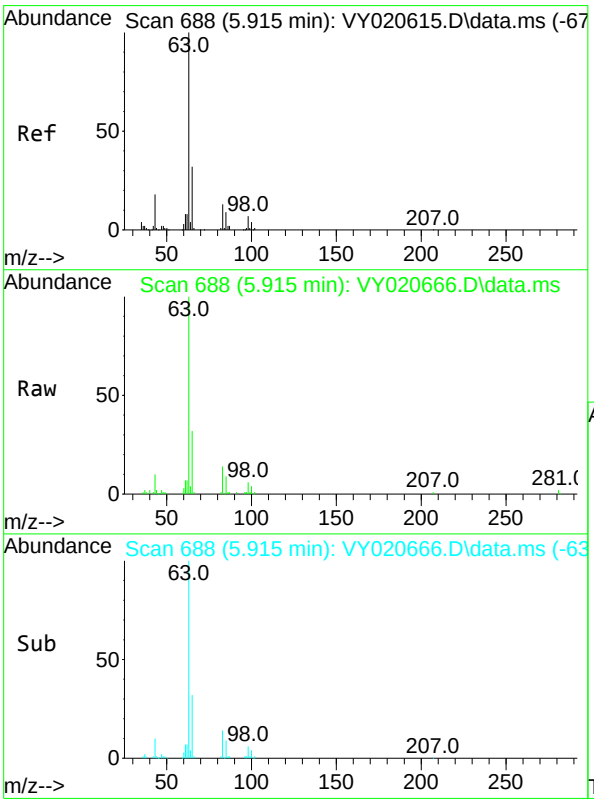
#23
Vinyl Acetate
Concen: 100.993 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 401517

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

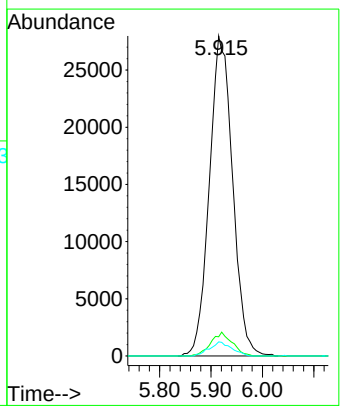


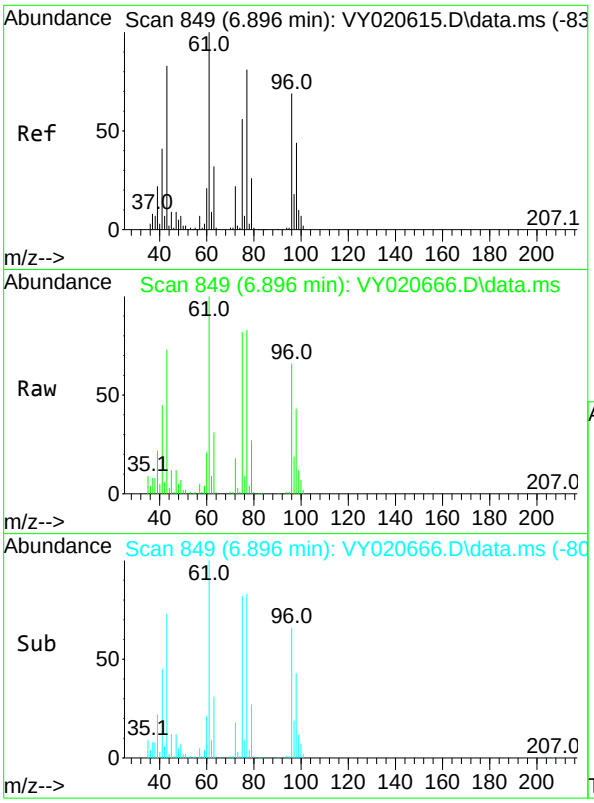


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



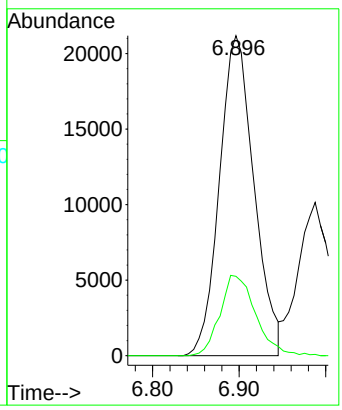


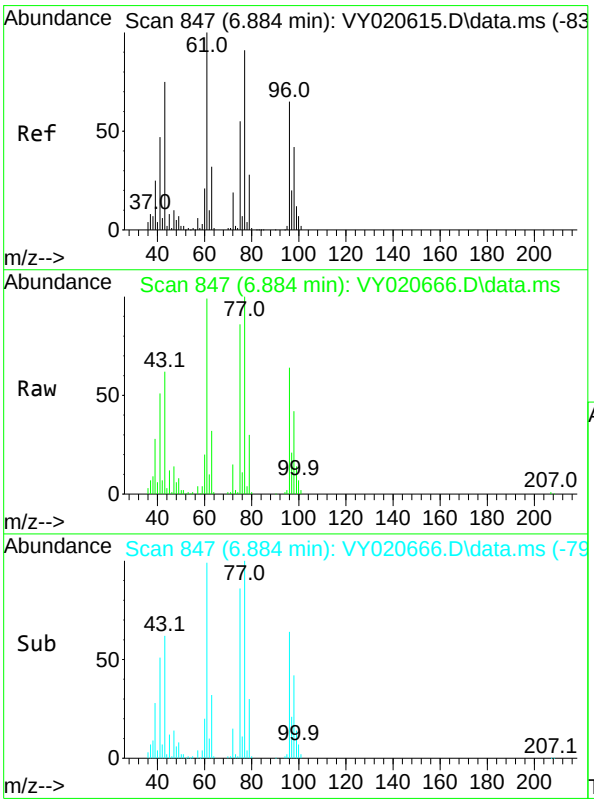
#25
2-Butanone
Concen: 91.655 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 58734

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.6	31.0

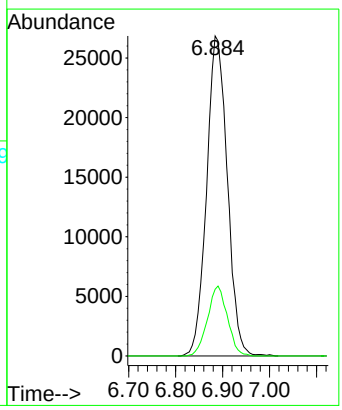


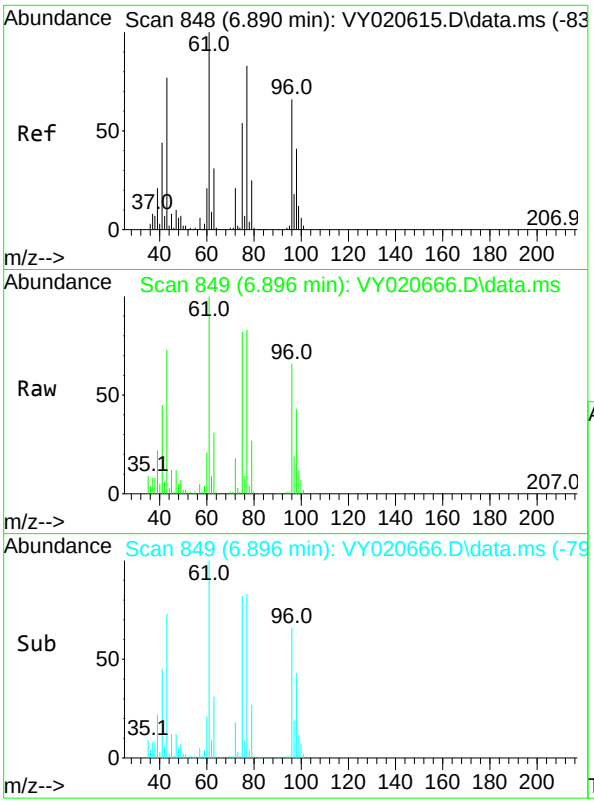


#26
2,2-Dichloropropane
Concen: 21.104 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 77 Resp: 82041

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.6



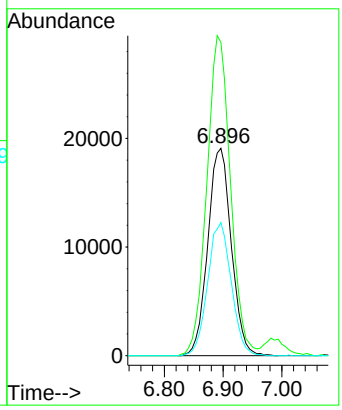


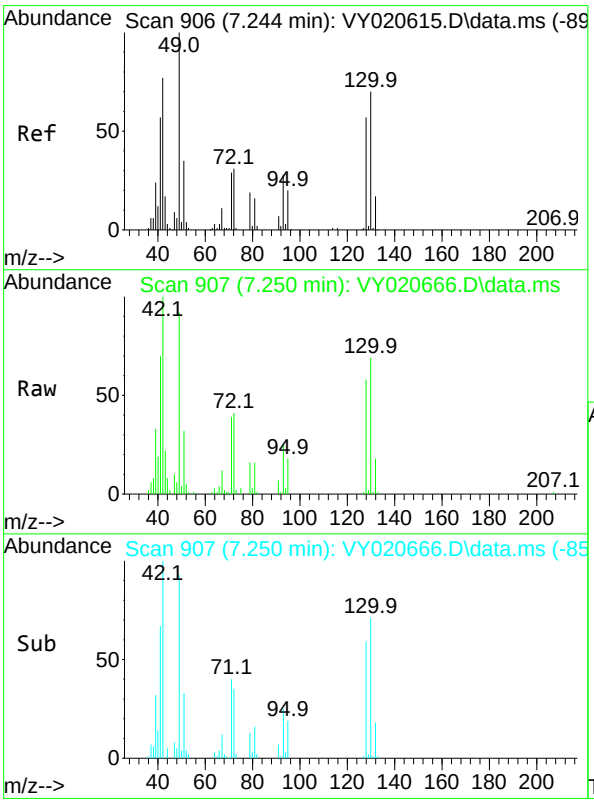
#27
cis-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

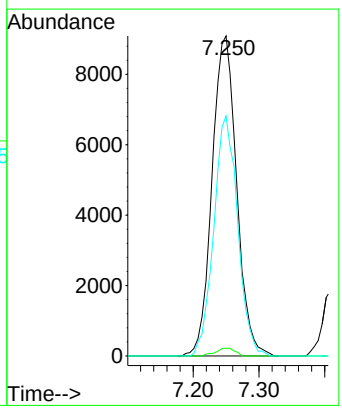


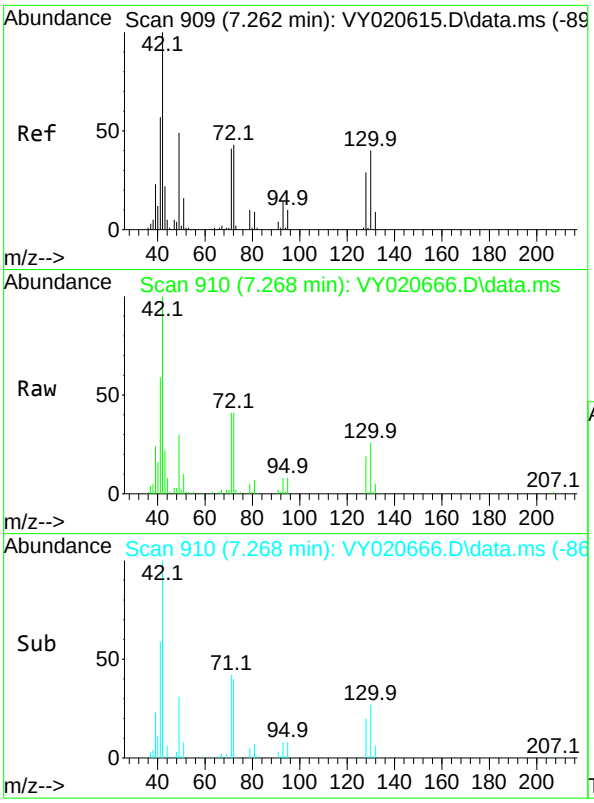


#28
Bromochloromethane
Concen: 17.030 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



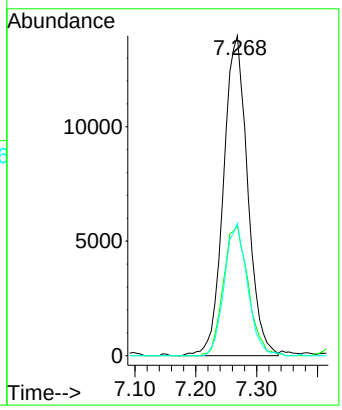


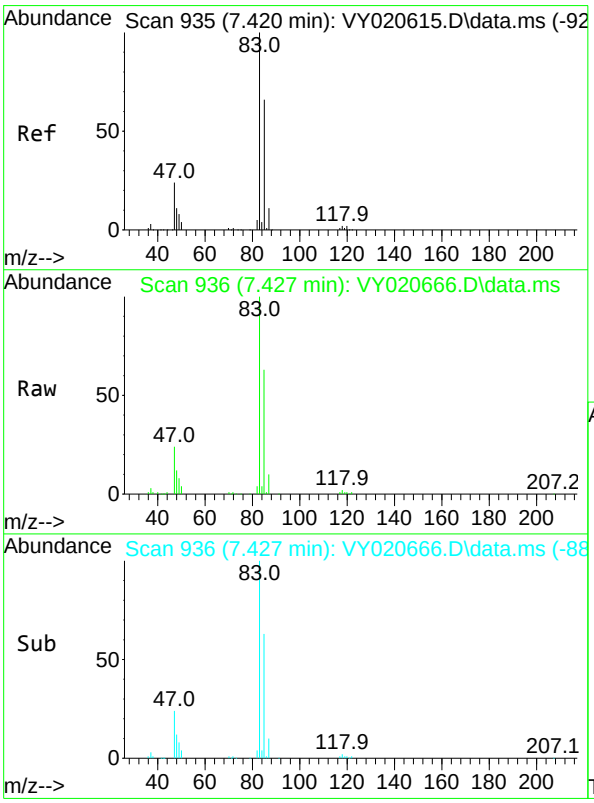
#29
Tetrahydrofuran
Concen: 95.228 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

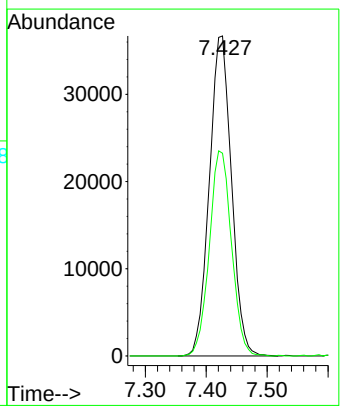


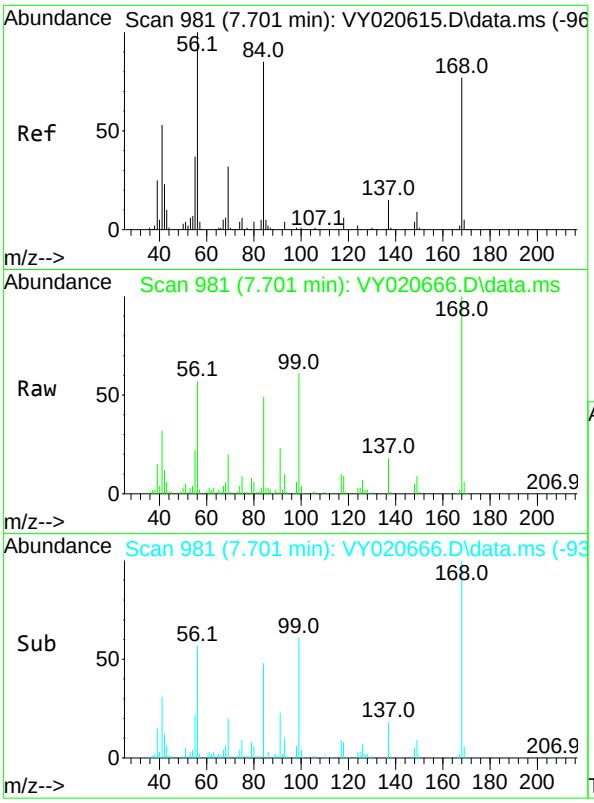


#30
Chloroform
Concen: 19.148 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 92559

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1



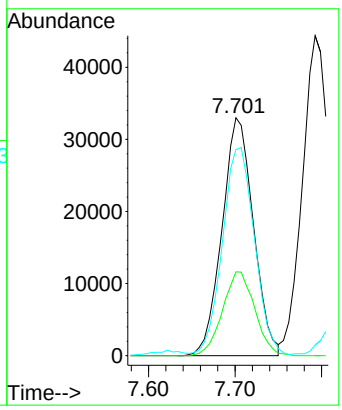


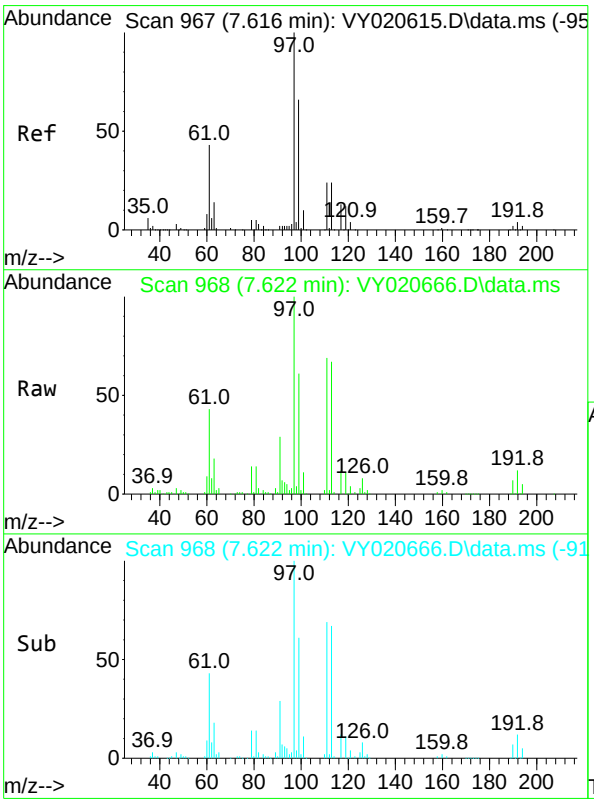
#31
Cyclohexane
Concen: 21.116 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

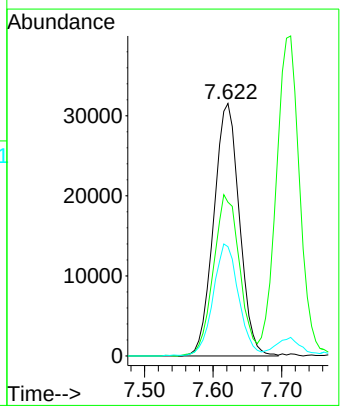


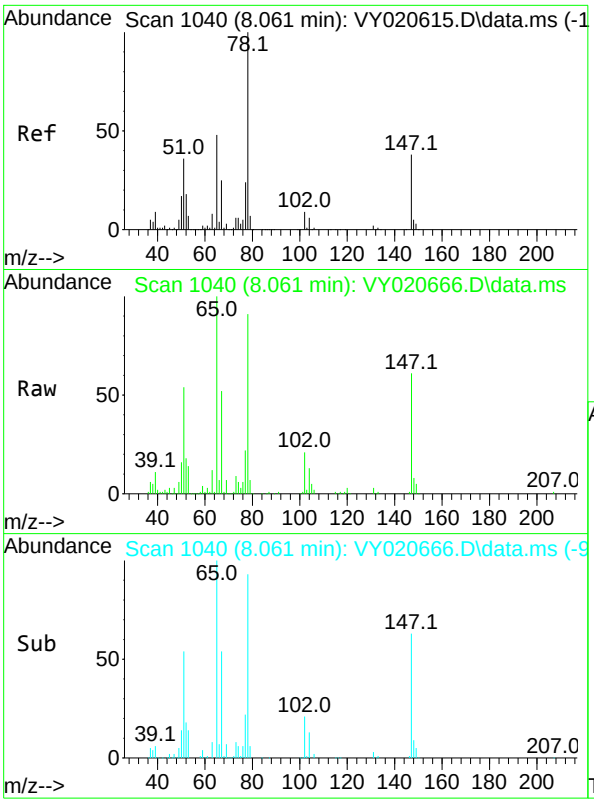


#32
1,1,1-Trichloroethane
Concen: 21.694 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



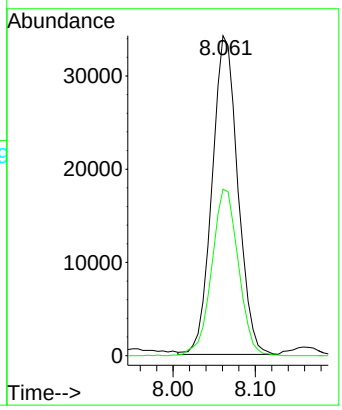


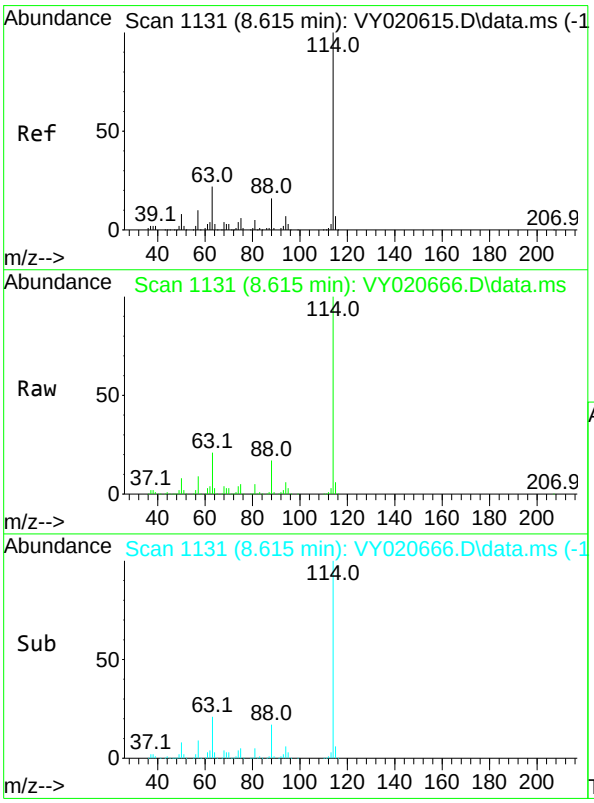
#33
1,2-Dichloroethane-d4
Concen: 43.102 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 65 Resp: 74322

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.0

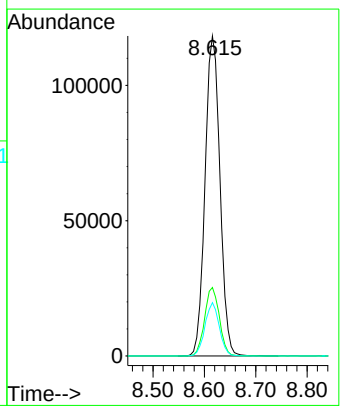


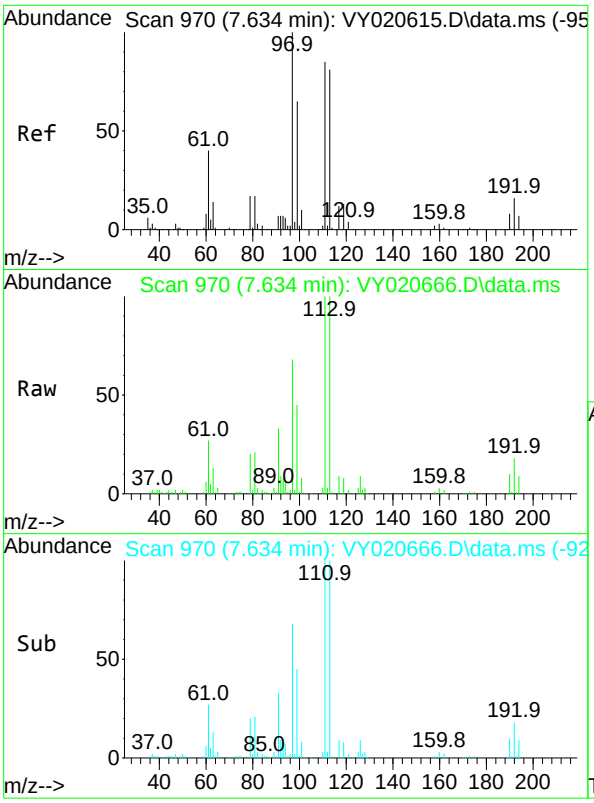


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



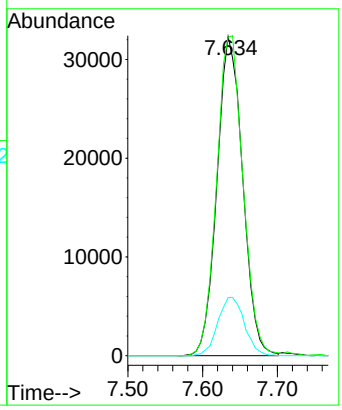


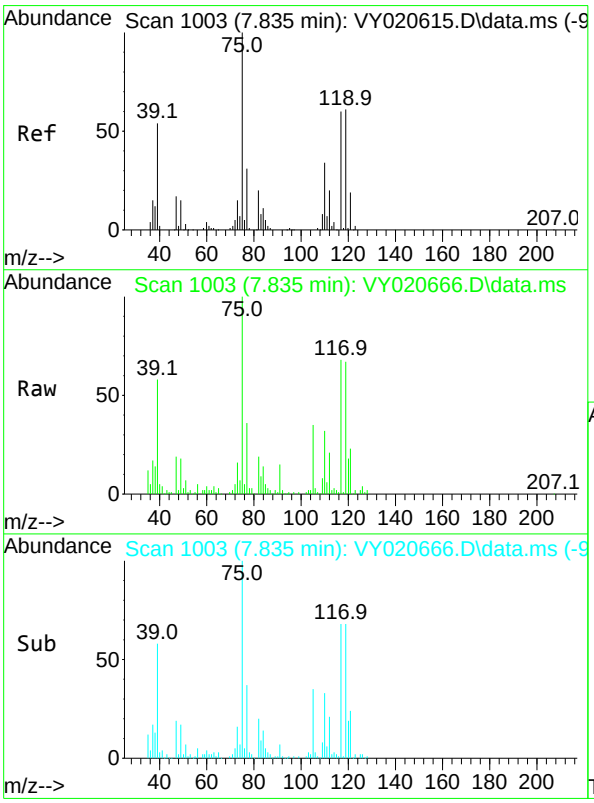
#35
Dibromofluoromethane
Concen: 46.118 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

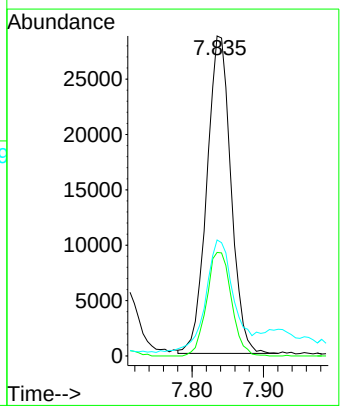


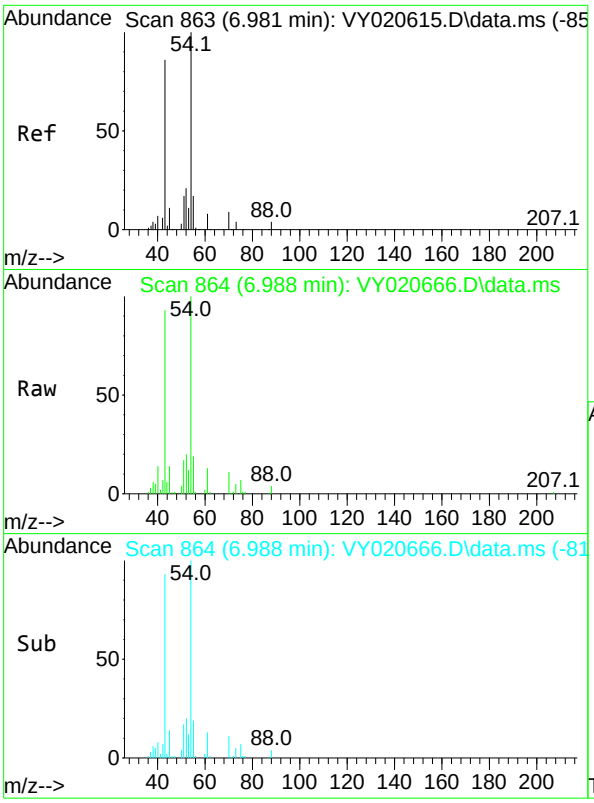


#36
1,1-Dichloropropene
Concen: 21.973 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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#



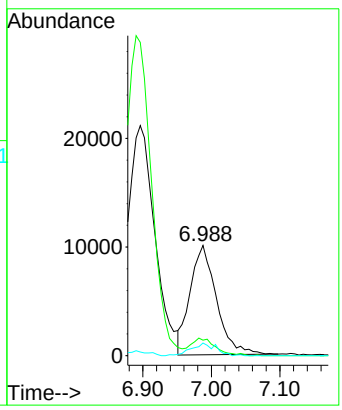


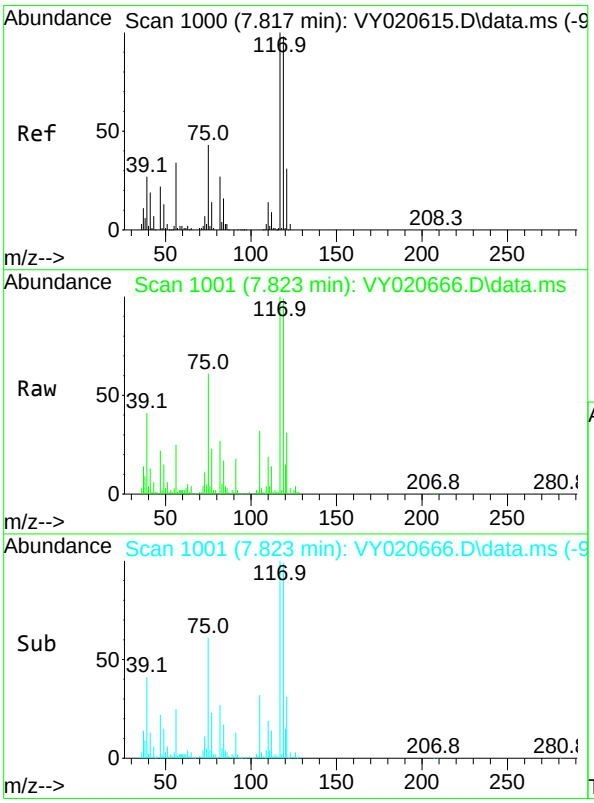
#37
Ethyl Acetate
Concen: 18.775 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

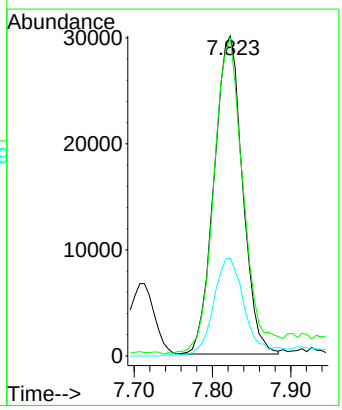


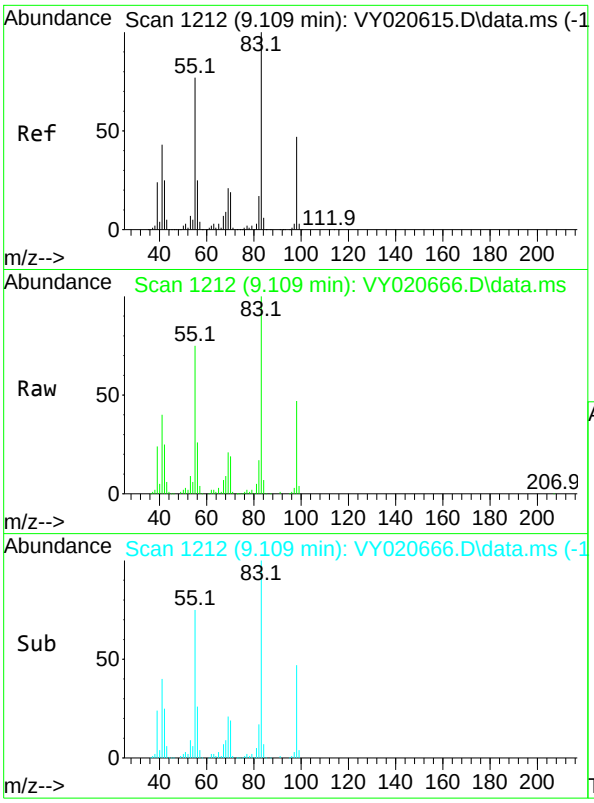


#38
Carbon Tetrachloride
Concen: 22.399 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



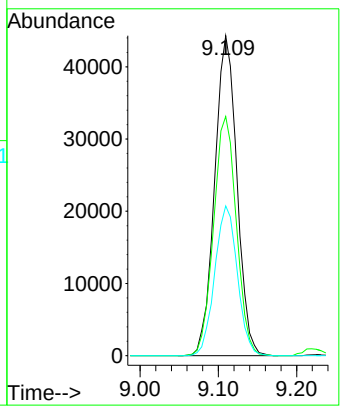


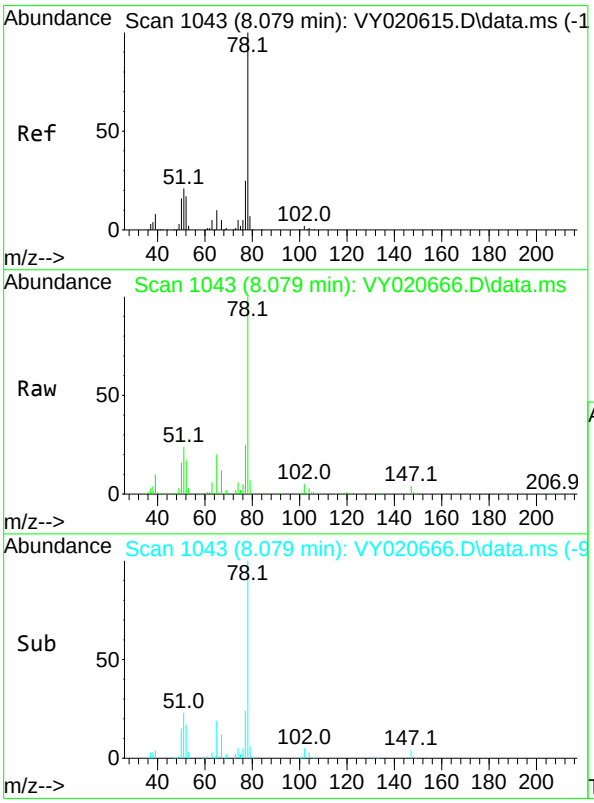
#39
Methylcyclohexane
Concen: 22.028 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

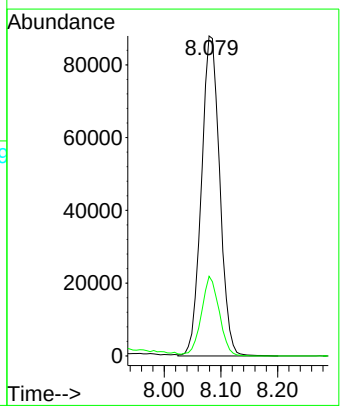


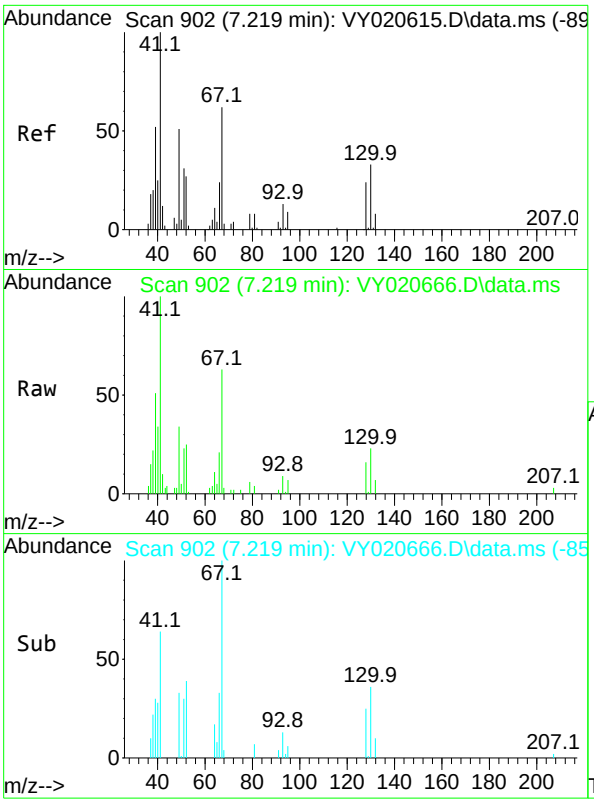


#40
Benzene
Concen: 22.058 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 78 Resp: 197331

Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.1	30.1



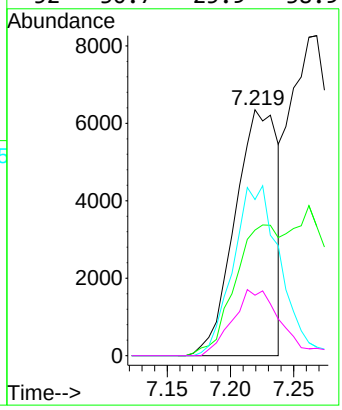


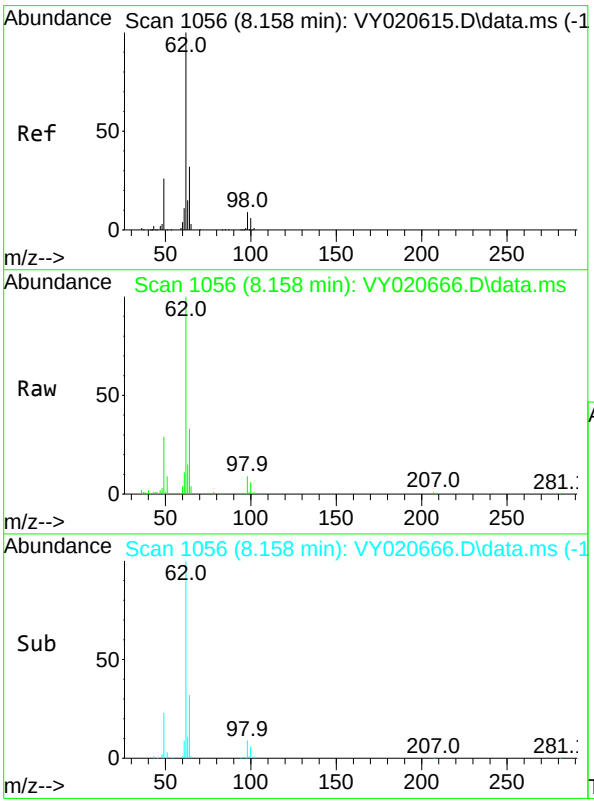
#41
Methacrylonitrile
Concen: 19.610 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

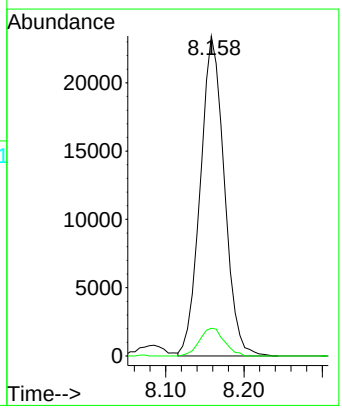


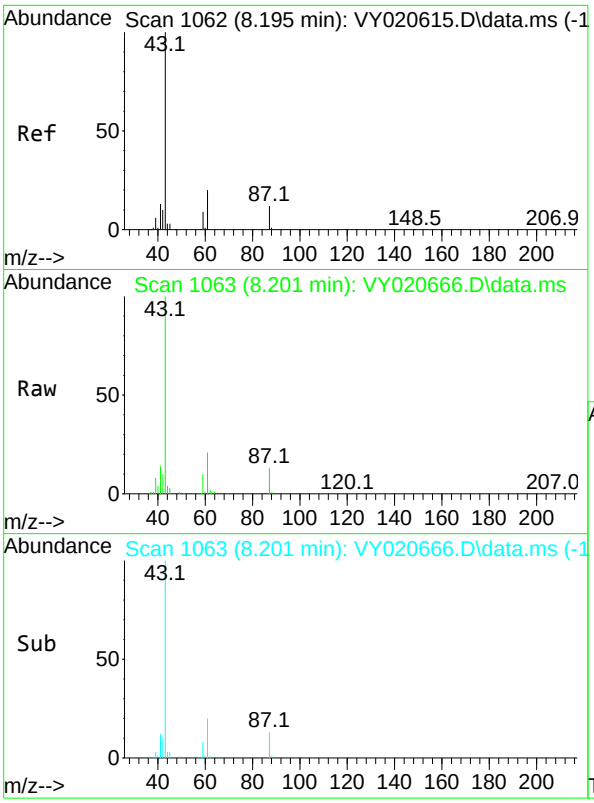


#42
1,2-Dichloroethane
Concen: 20.991 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 49803

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0



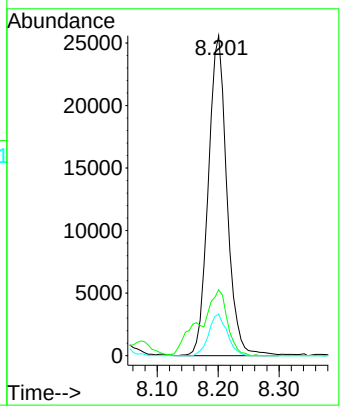


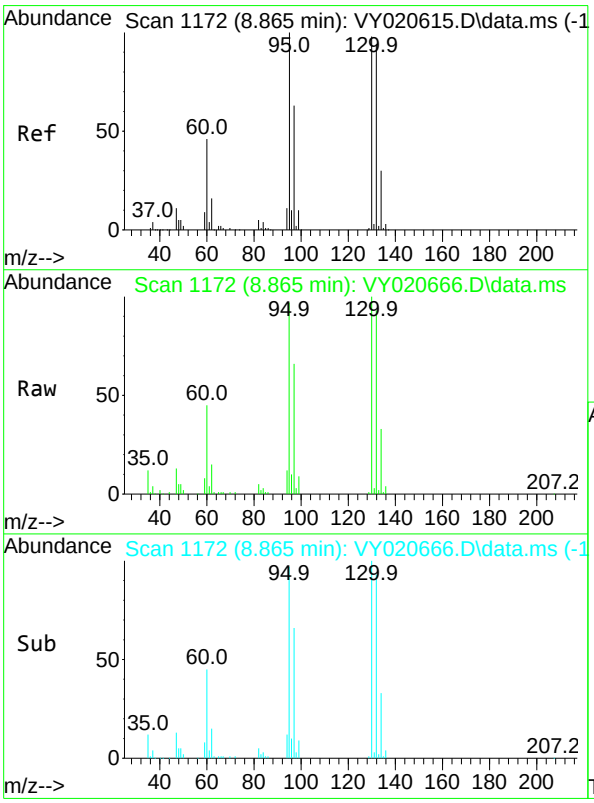
#43
Isopropyl Acetate
Concen: 19.989 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

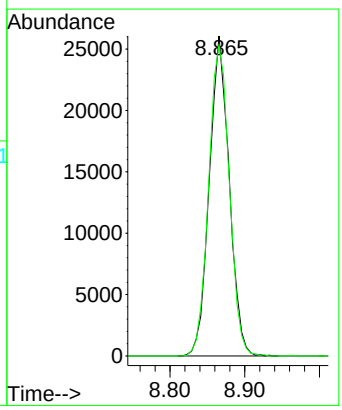


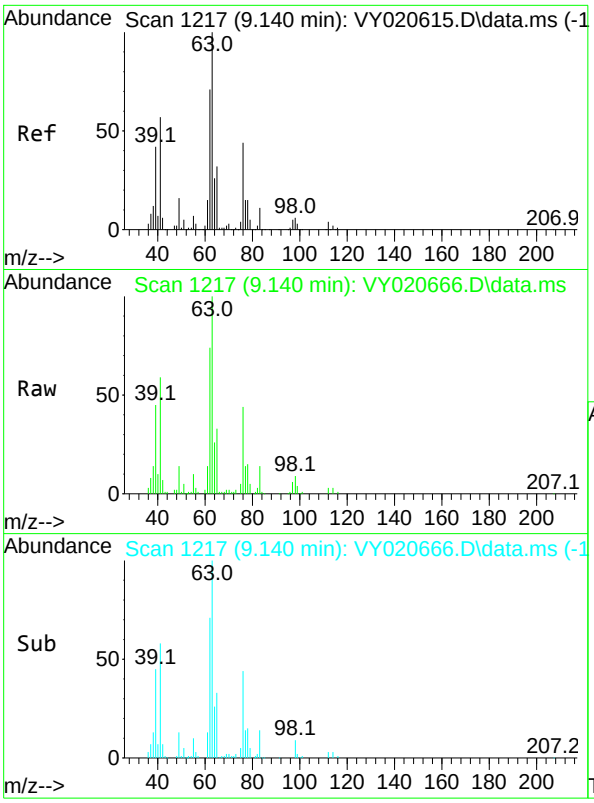


#44
Trichloroethene
Concen: 21.921 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:130 Resp: 48185

Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	203.2



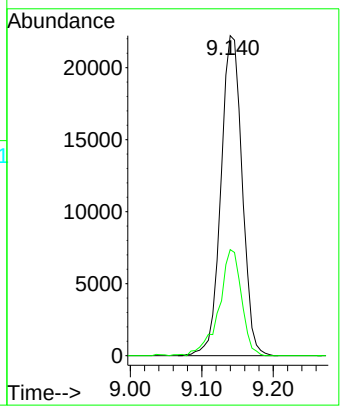


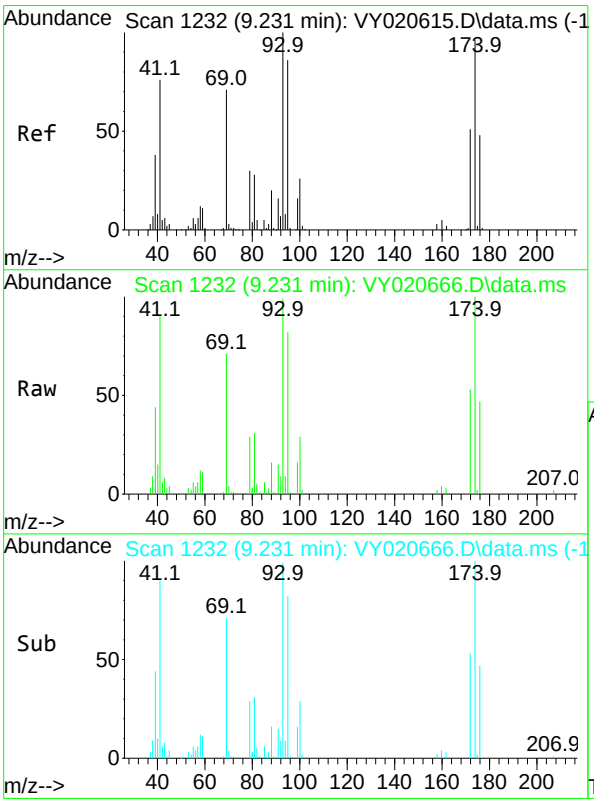
#45
1,2-Dichloropropane
Concen: 21.896 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 63 Resp: 45779

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.9	38.9

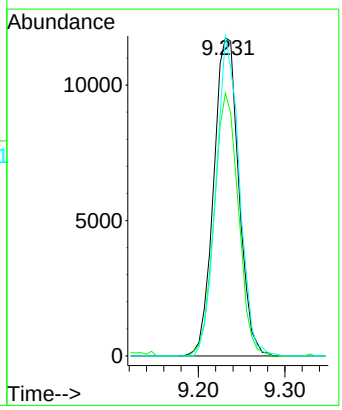


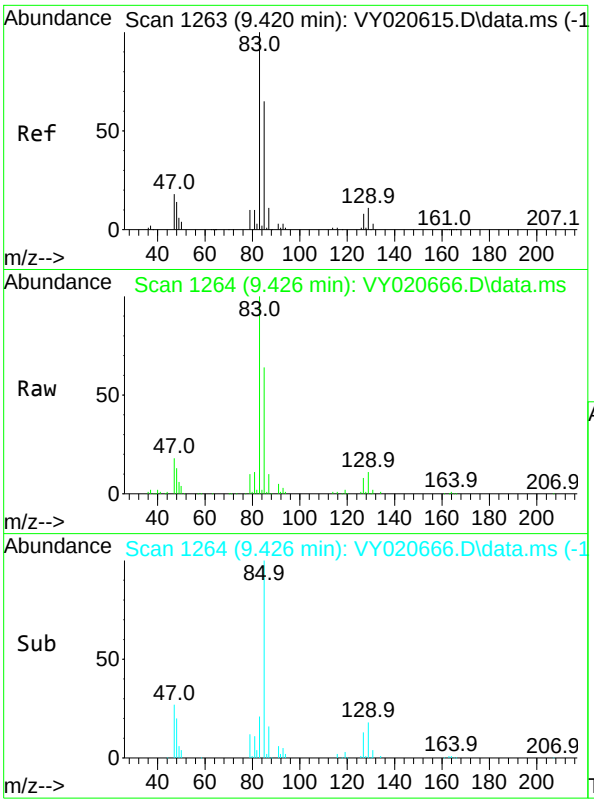


#46
Dibromomethane
Concen: 21.396 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



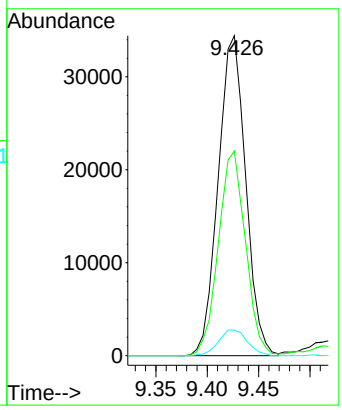


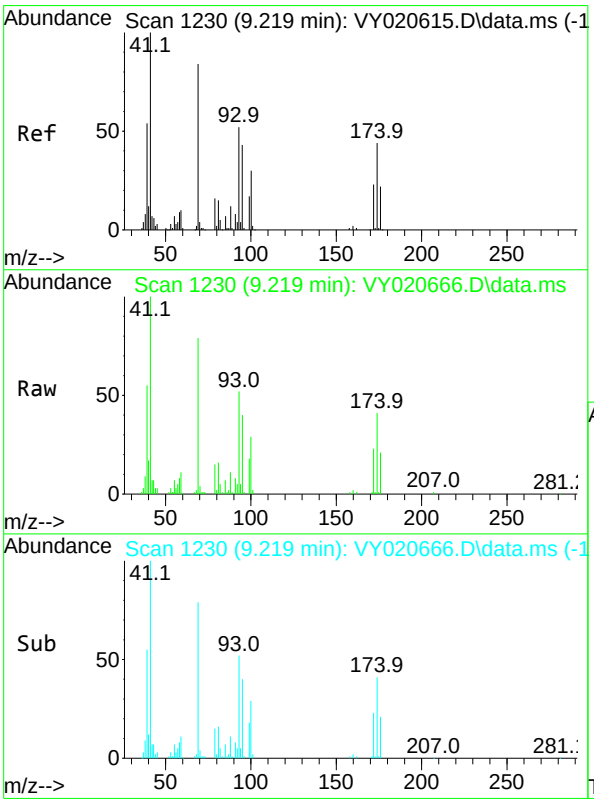
#47
Bromodichloromethane
Concen: 21.429 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

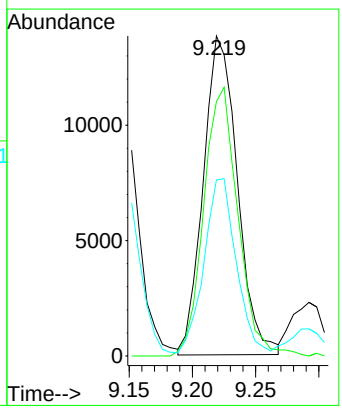


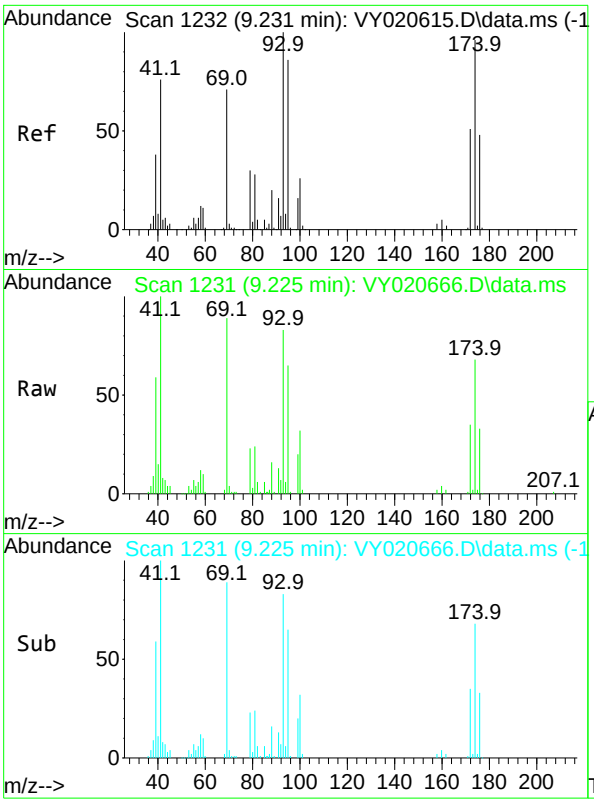


#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



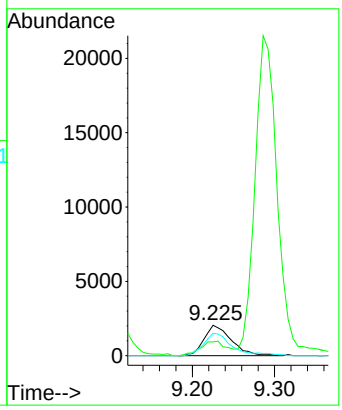


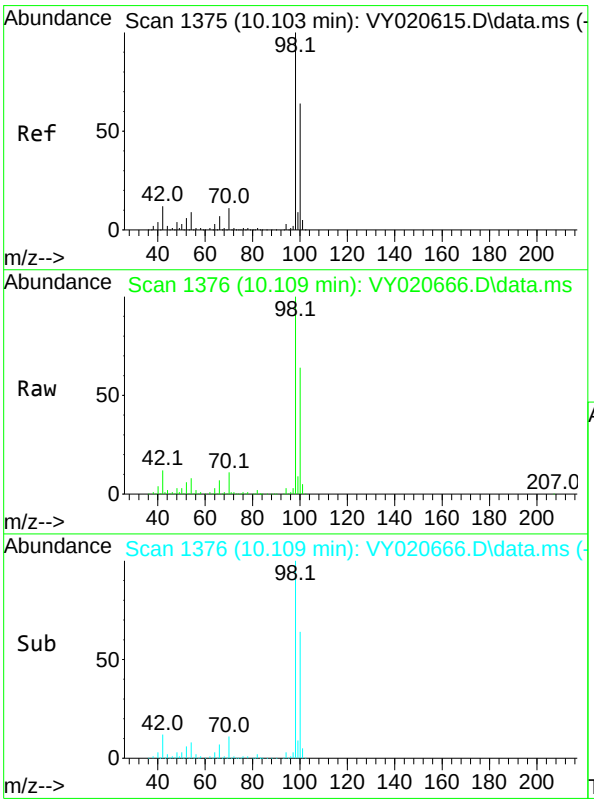
#49
1,4-Dioxane
Concen: 370.747 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

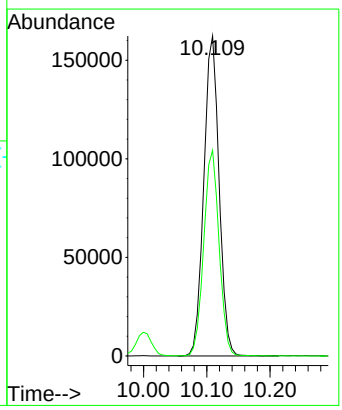


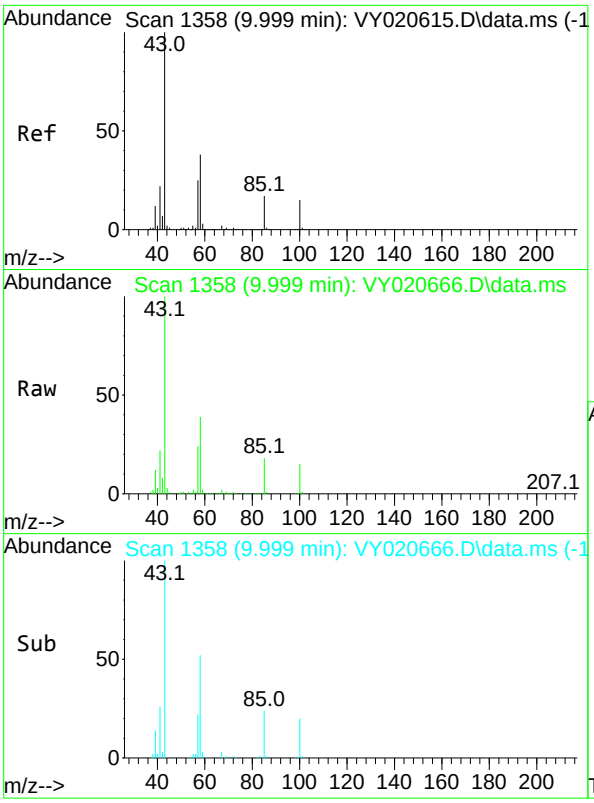


#50
Toluene-d8
Concen: 46.643 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 98 Resp: 273250

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



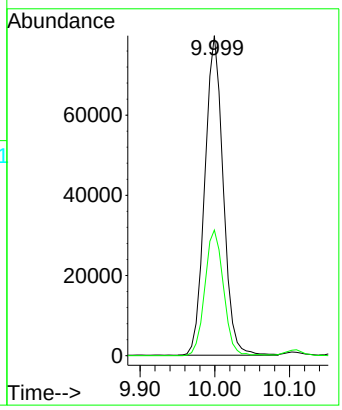


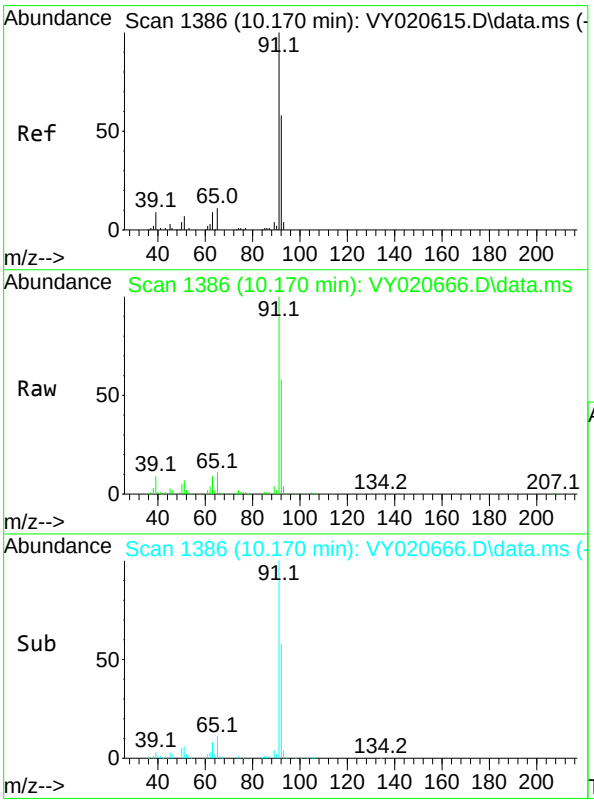
#51
4-Methyl-2-Pentanone
Concen: 94.726 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 135892

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

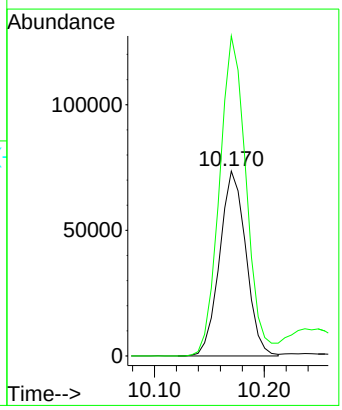


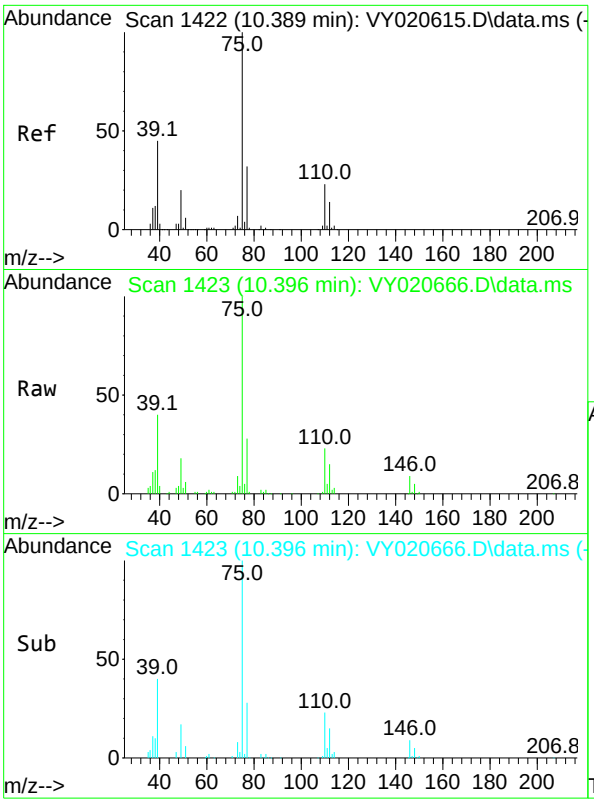


#52
Toluene
Concen: 22.055 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 92 Resp: 122615

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.4	206.0



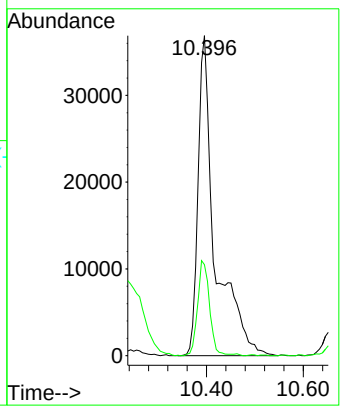


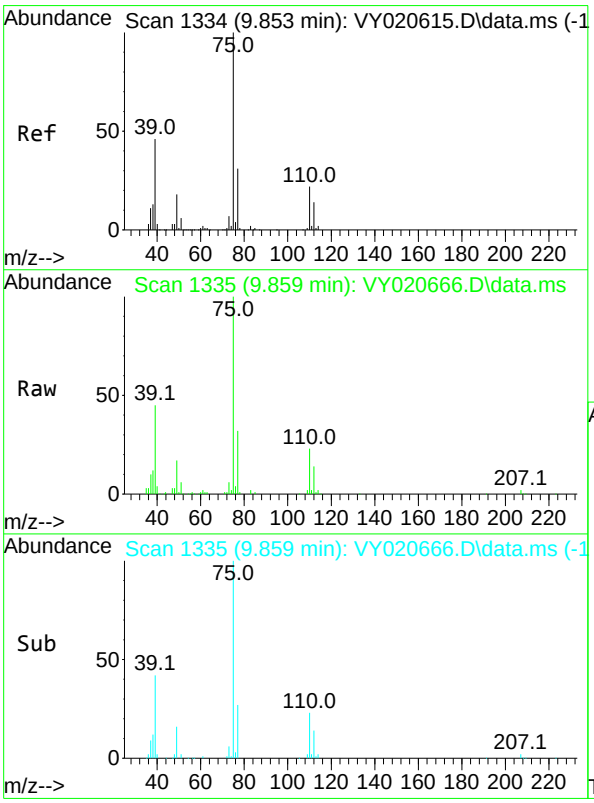
#53
t-1,3-Dichloropropene
Concen: 32.354 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 75 Resp: 89982

Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.4	38.2

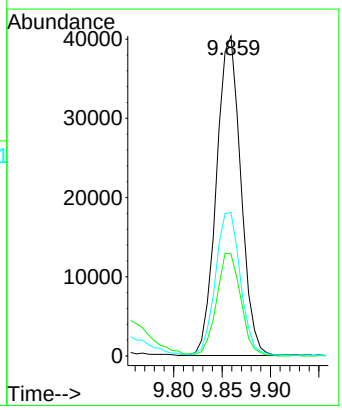


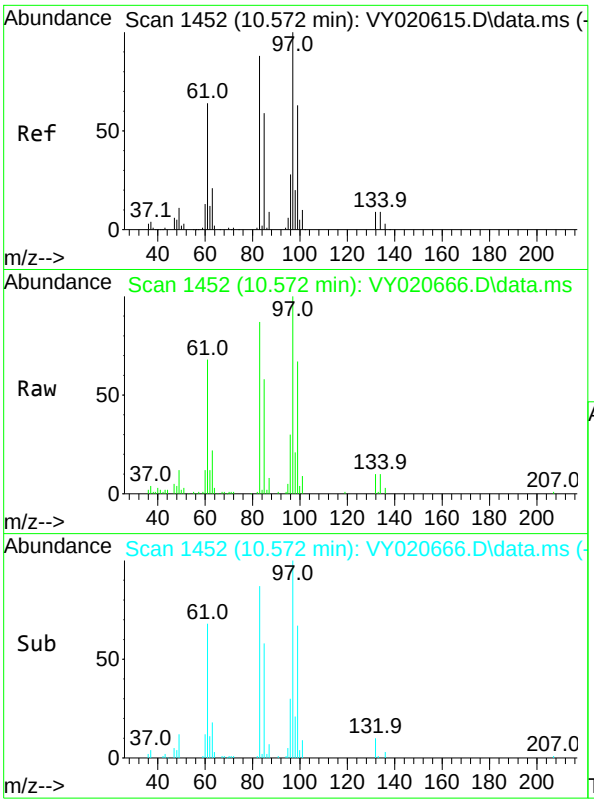


#54
cis-1,3-Dichloropropene
Concen: 21.413 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



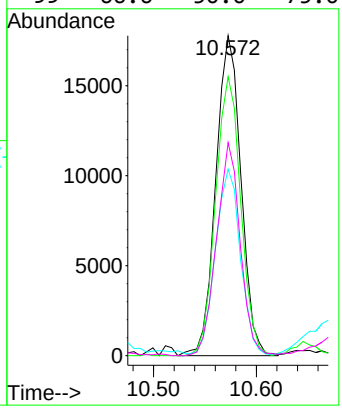


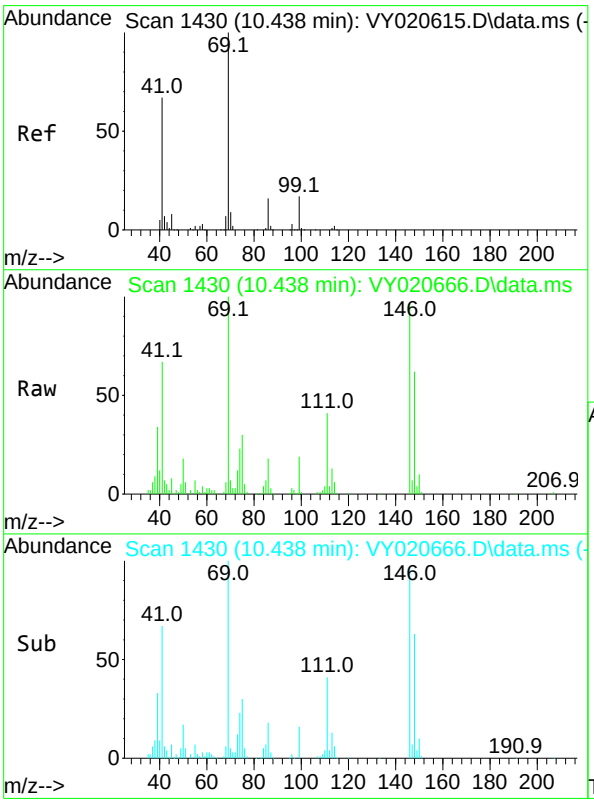
#55
1,1,2-Trichloroethane
Concen: 20.669 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

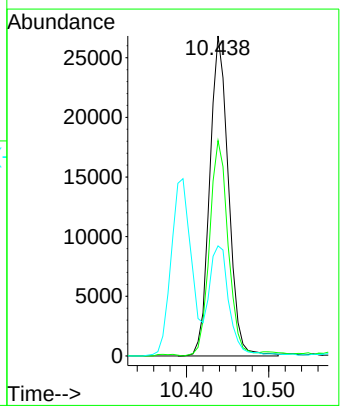


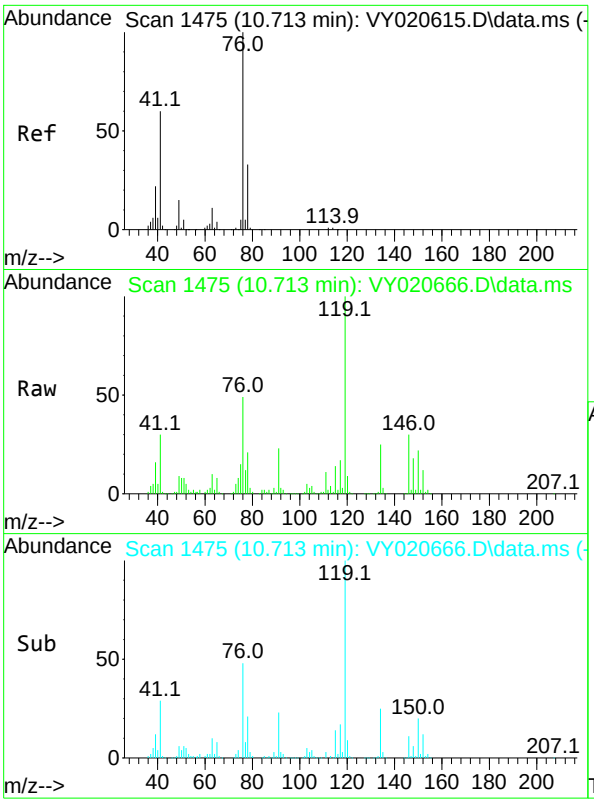


#56
Ethyl methacrylate
Concen: 20.060 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



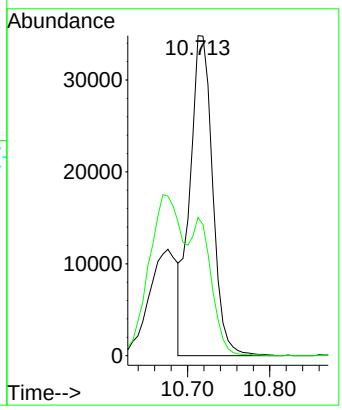


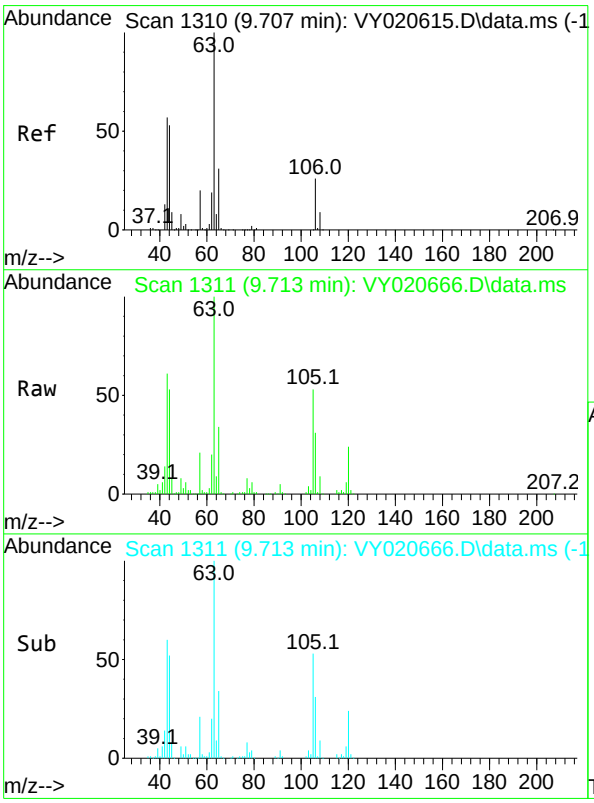
#57
1,3-Dichloropropane
Concen: 25.621 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 76 Resp: 66722

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#

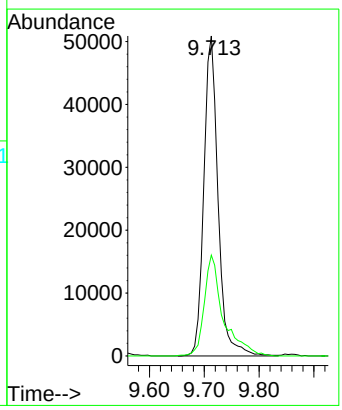


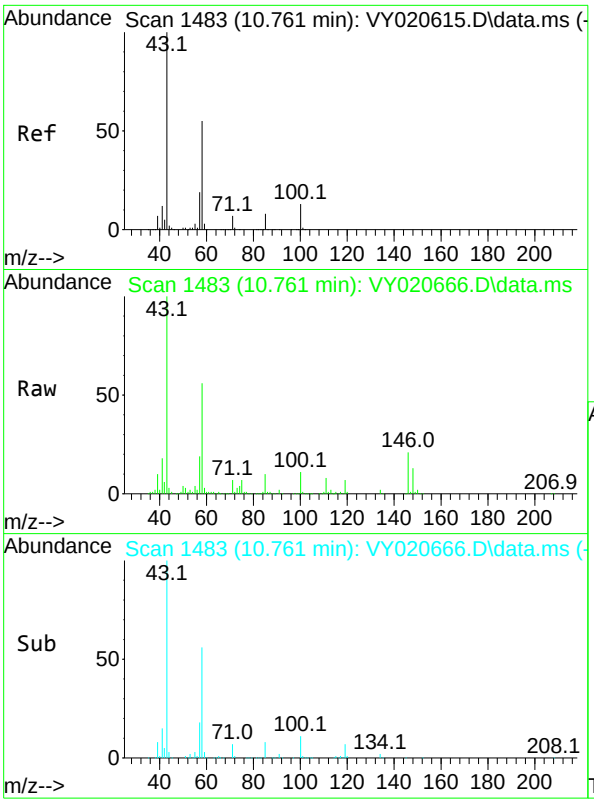


#58
2-Chloroethyl Vinyl ether
Concen: 102.533 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 91434

Ion	Ratio	Lower	Upper
63	100		
106	42.0	21.5	32.3#



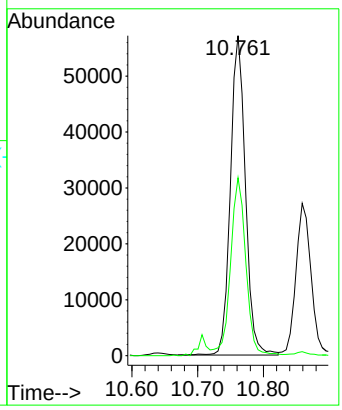


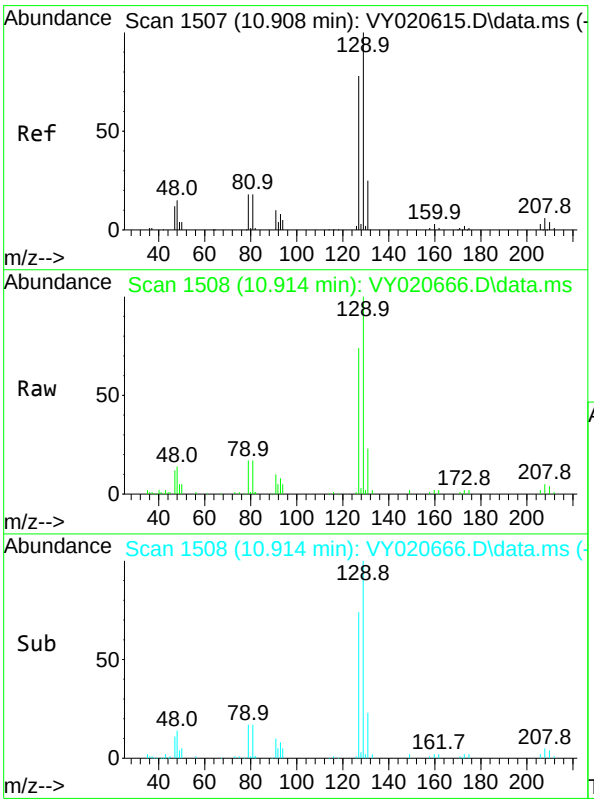
#59
2-Hexanone
Concen: 98.464 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 90691

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.2	81.6

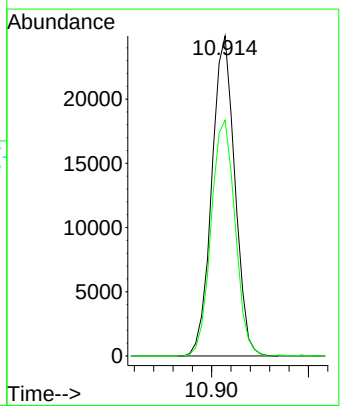


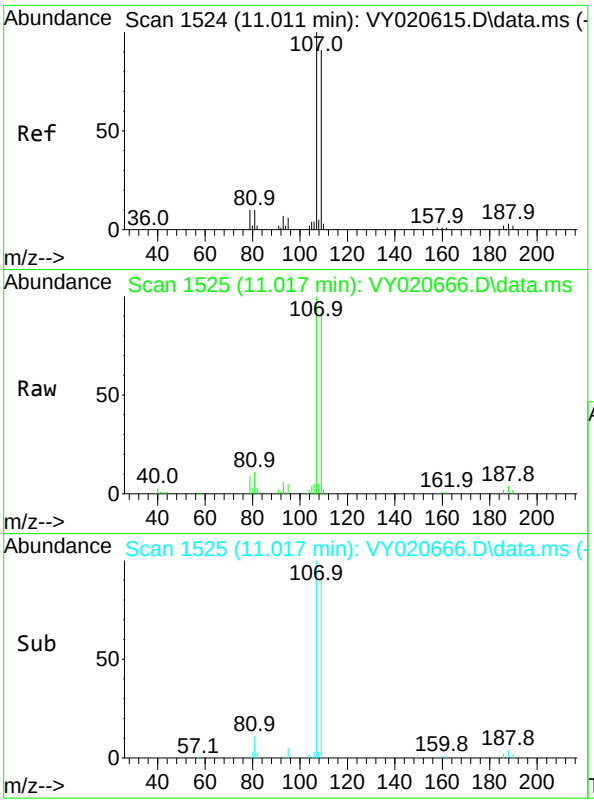


#60
Dibromochloromethane
Concen: 21.080 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:129 Resp: 41185

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3



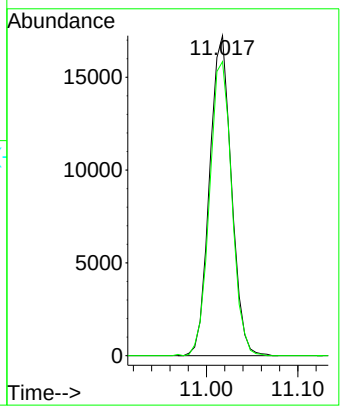


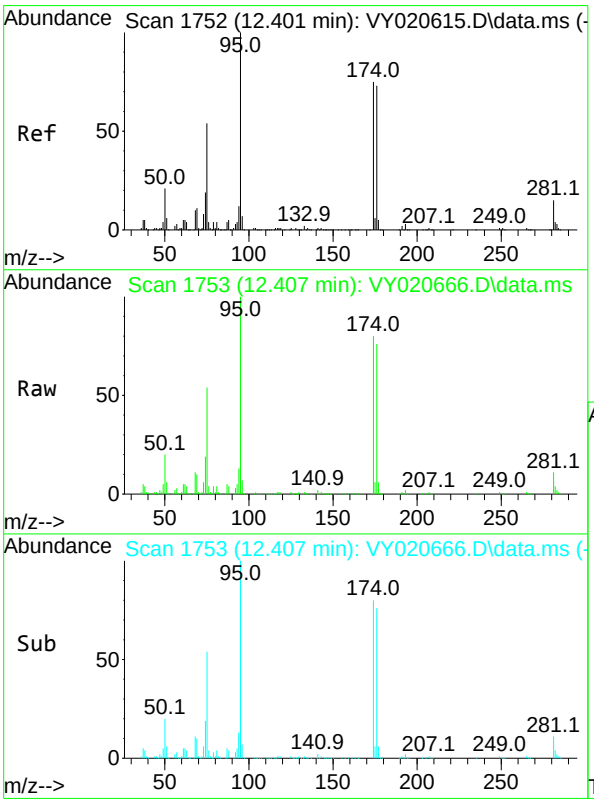
#61
1,2-Dibromoethane
Concen: 21.018 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:107 Resp: 28561

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2

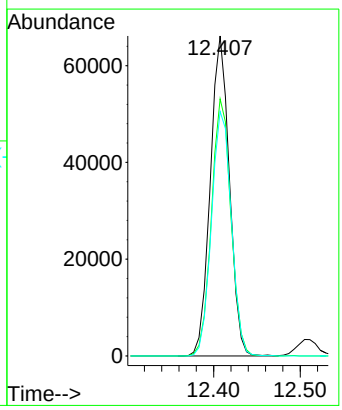


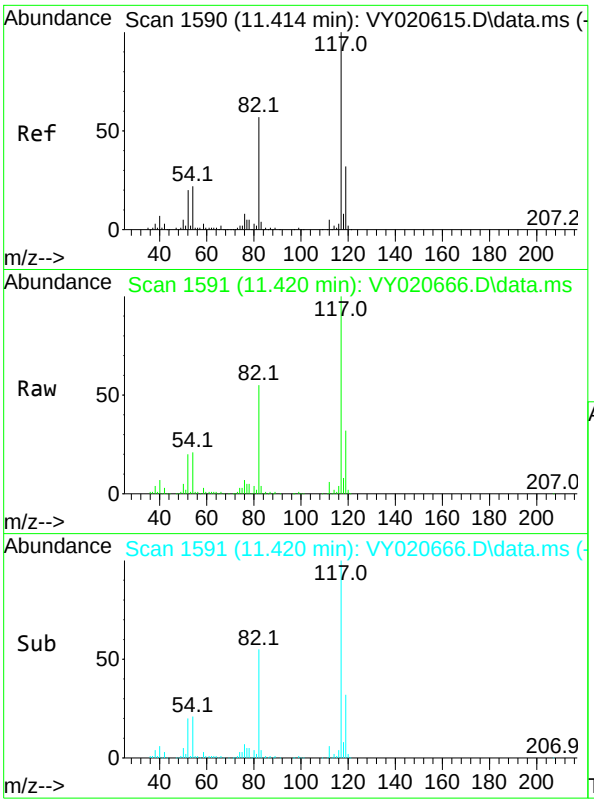


#62
4-Bromofluorobenzene
Concen: 44.220 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



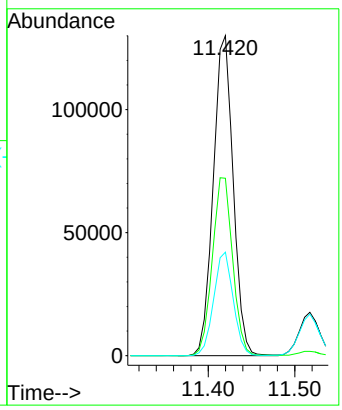


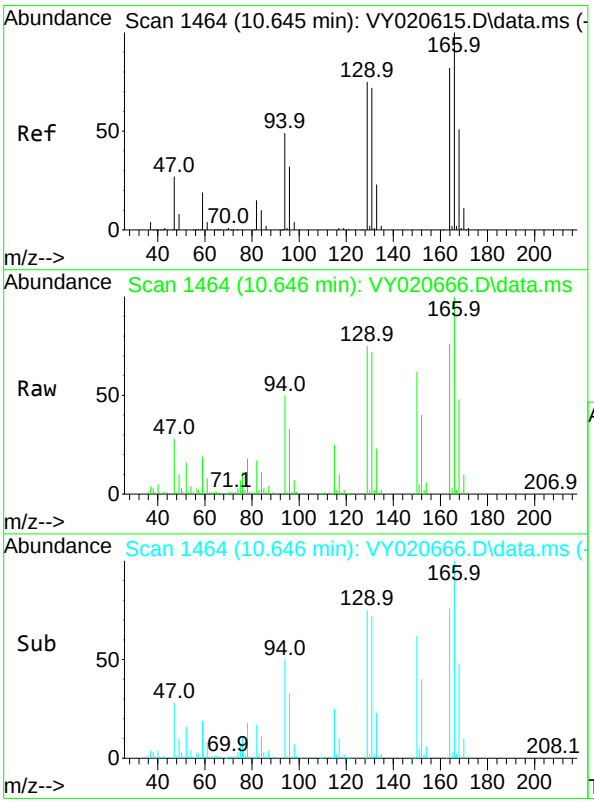
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

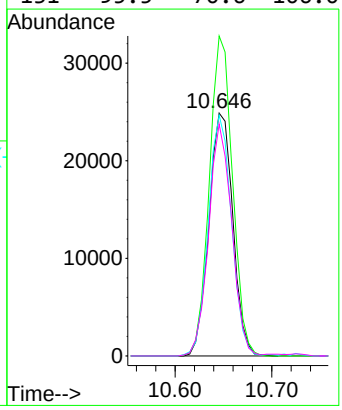


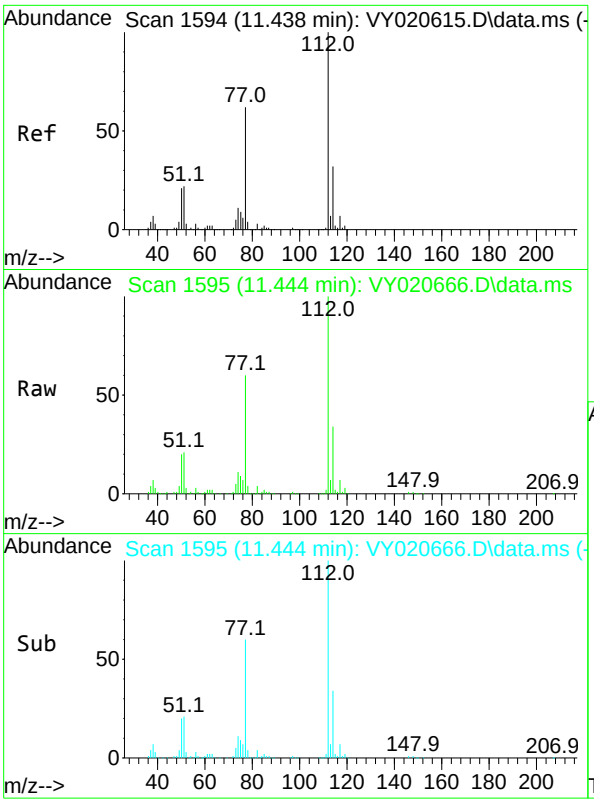


#64
Tetrachloroethene
Concen: 21.919 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



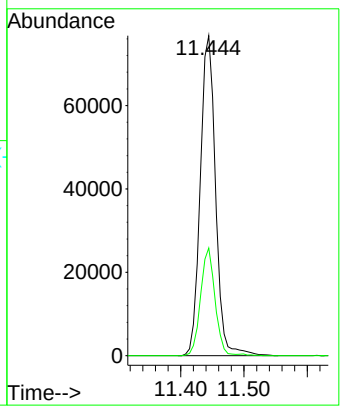


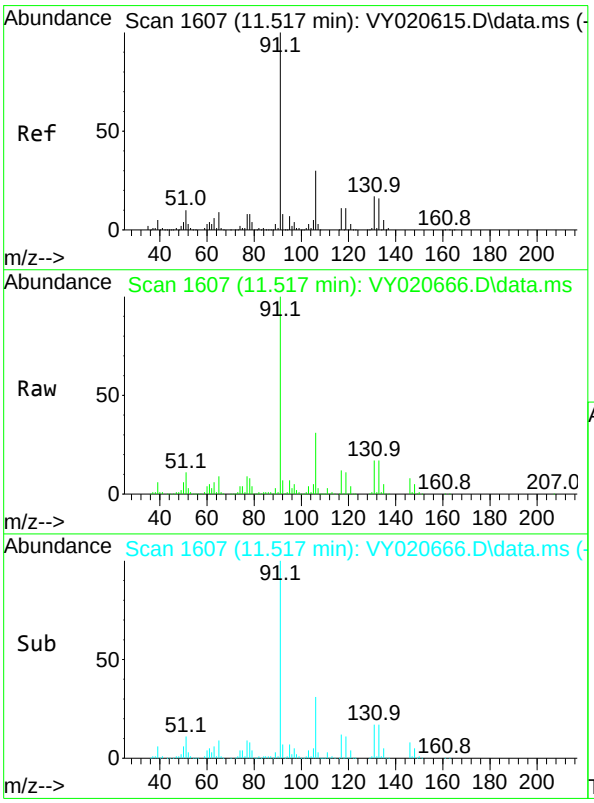
#65
Chlorobenzene
Concen: 22.264 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:112 Resp: 129331

Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.0	39.0

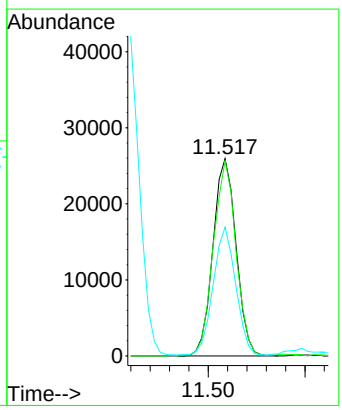


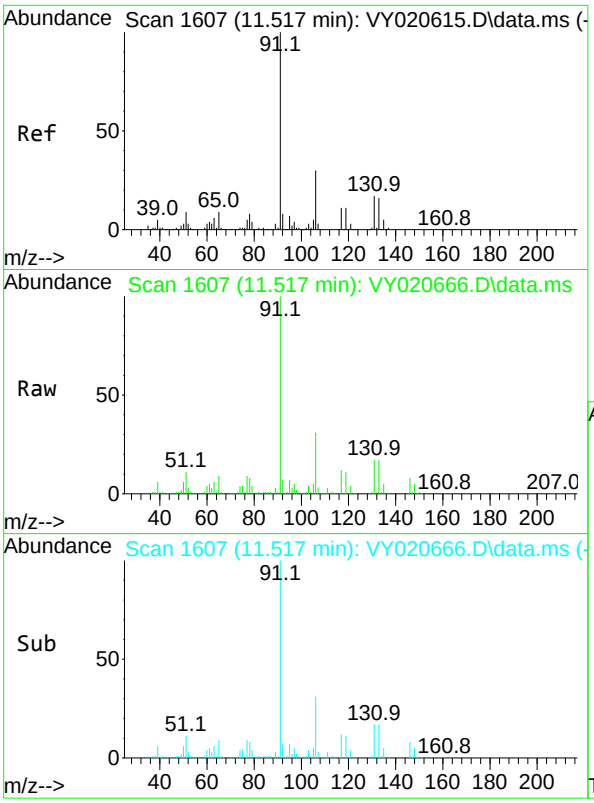


#66
1,1,1,2-Tetrachloroethane
Concen: 21.675 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



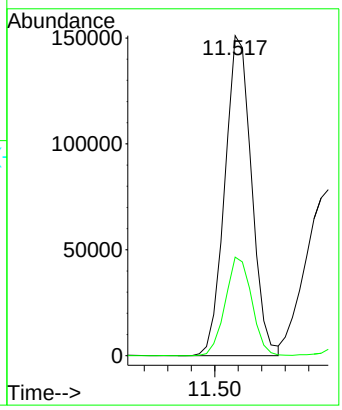


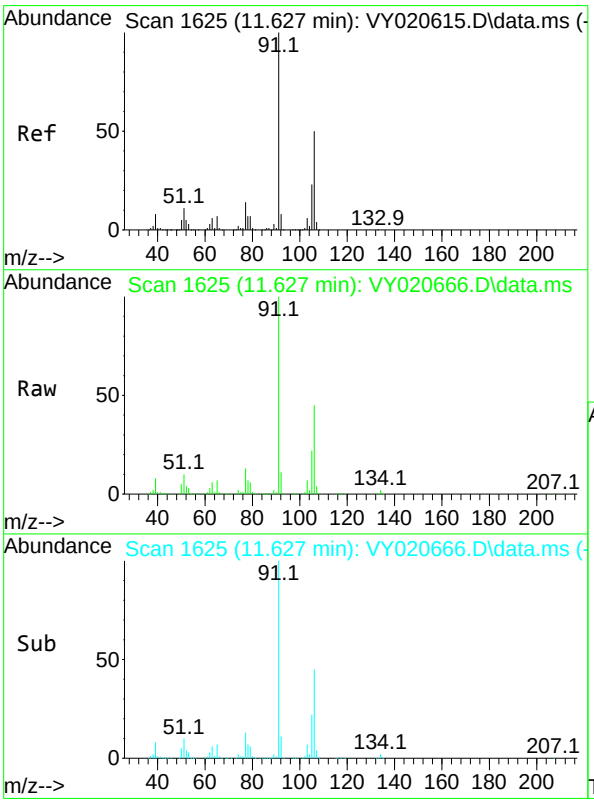
#67
Ethyl Benzene
Concen: 22.248 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 91 Resp: 238433

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

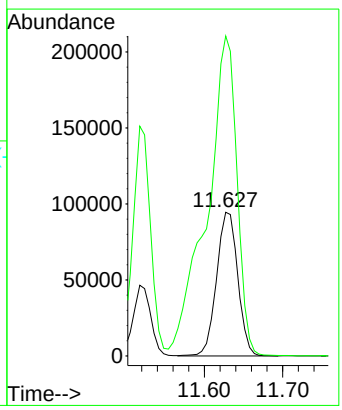


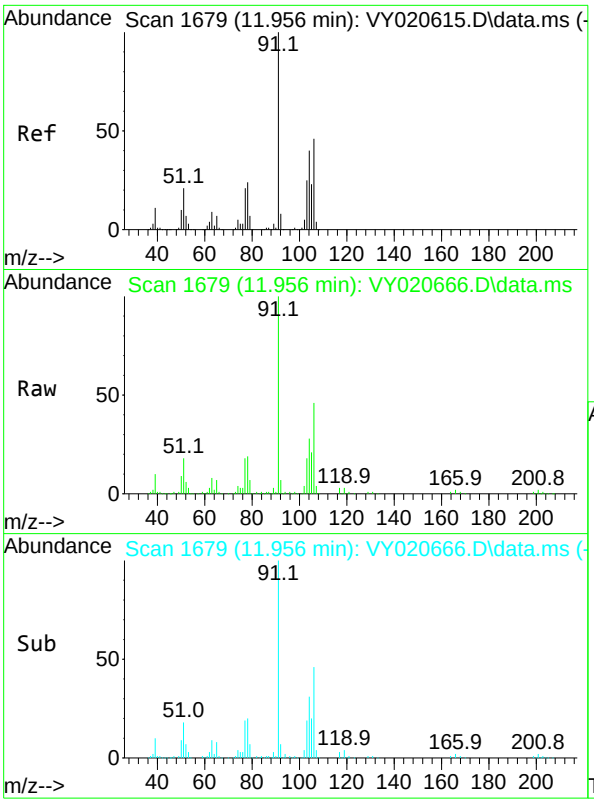


#68
m/p-Xylenes
Concen: 44.684 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:106 Resp: 178050

Ion	Ratio	Lower	Upper
106	100		
91	314.7	165.0	247.4#



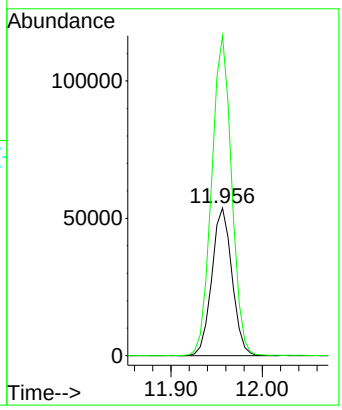


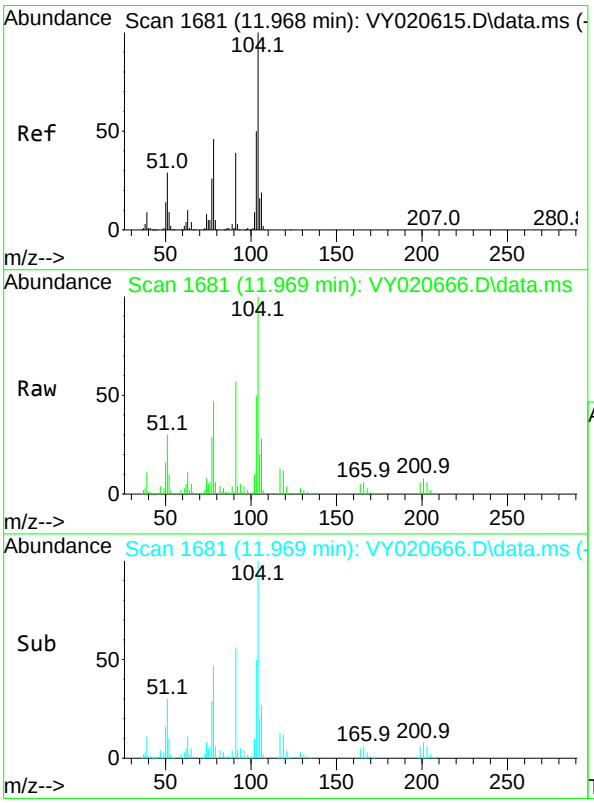
#69
o-Xylene
Concen: 22.185 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:106 Resp: 82478

Ion	Ratio	Lower	Upper
106	100		
91	215.3	108.4	325.2

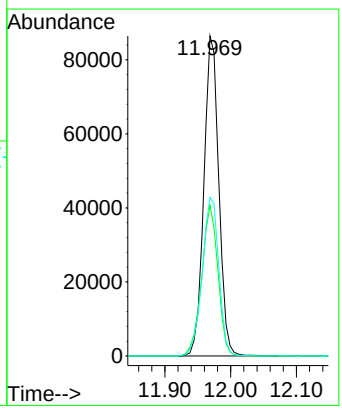


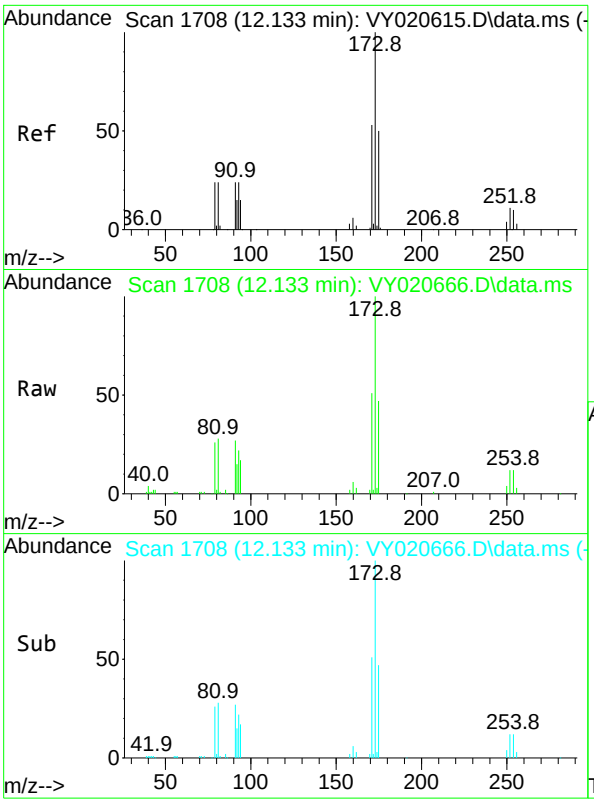


#70
Styrene
Concen: 21.974 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



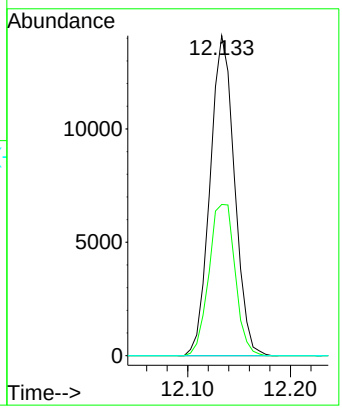


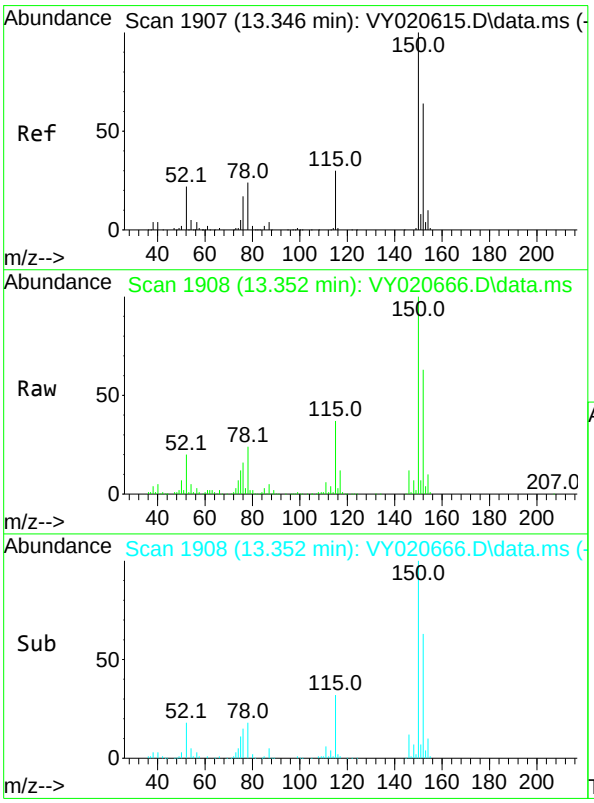
#71
Bromoform
Concen: 20.889 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

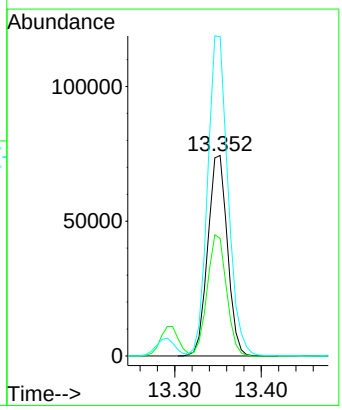


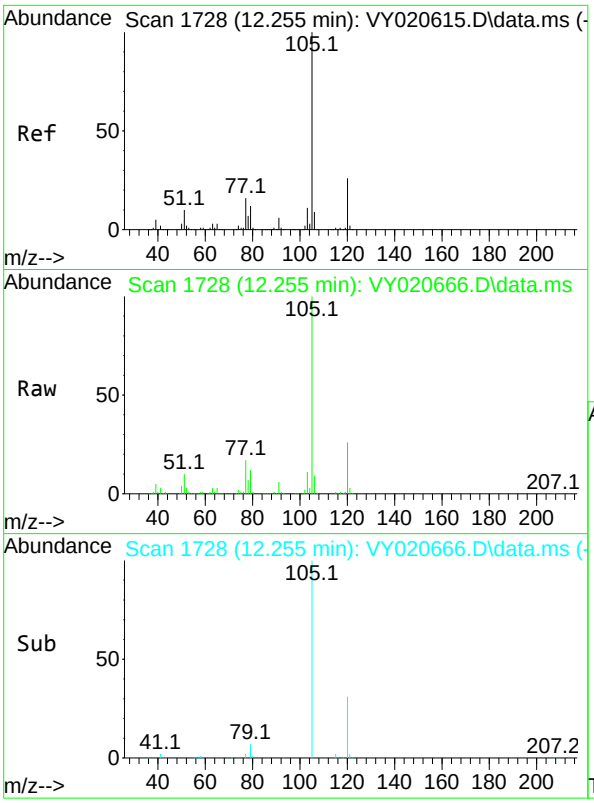


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



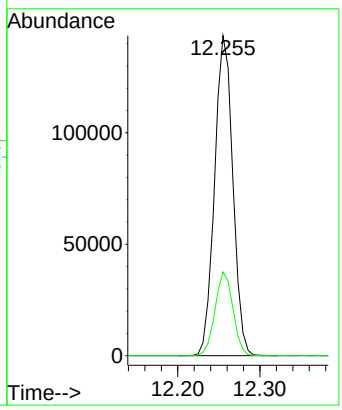


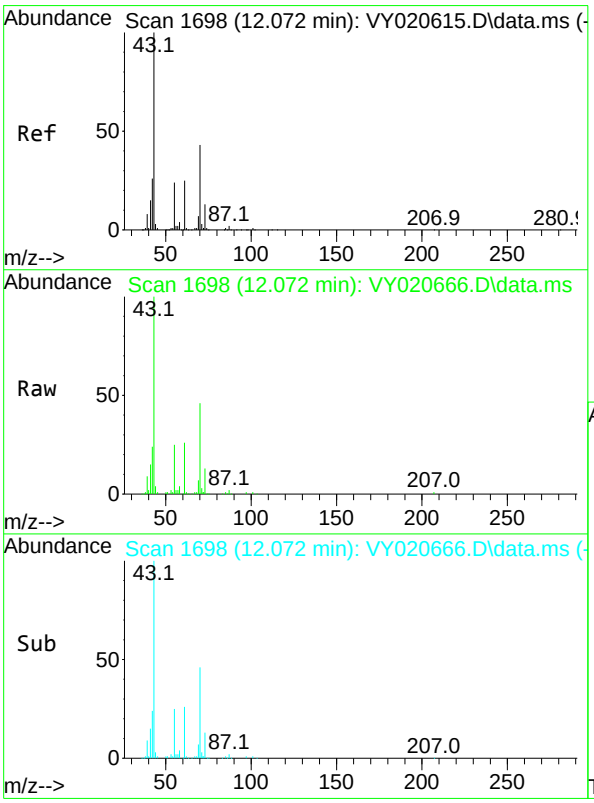
#73
Isopropylbenzene
Concen: 21.727 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:105 Resp: 221703

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1

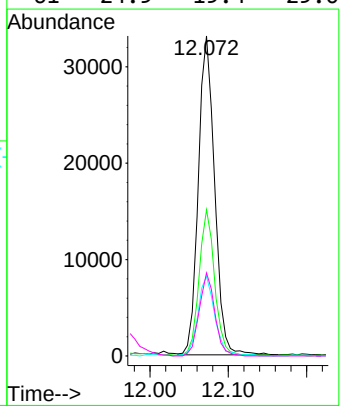


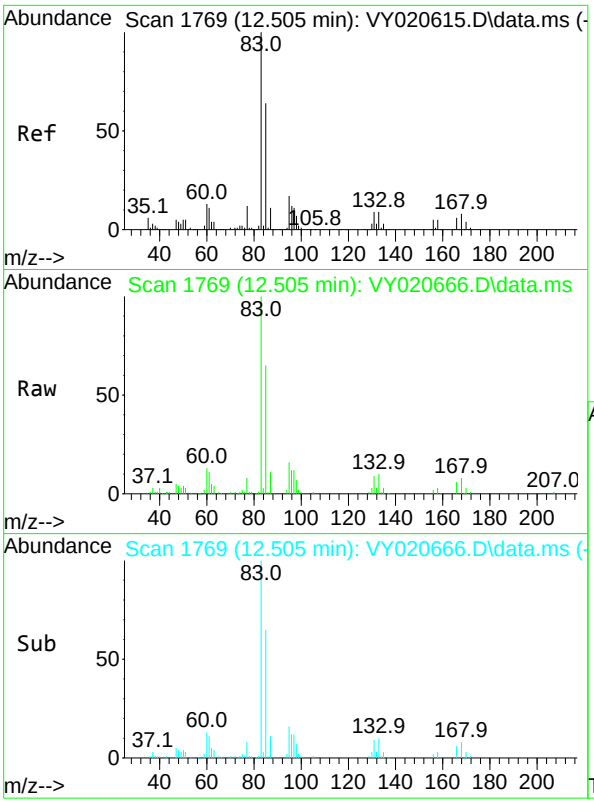


#74
N-amyl acetate
Concen: 20.036 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



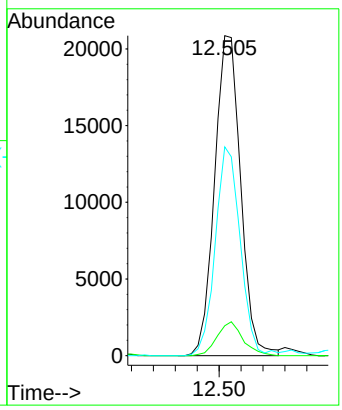


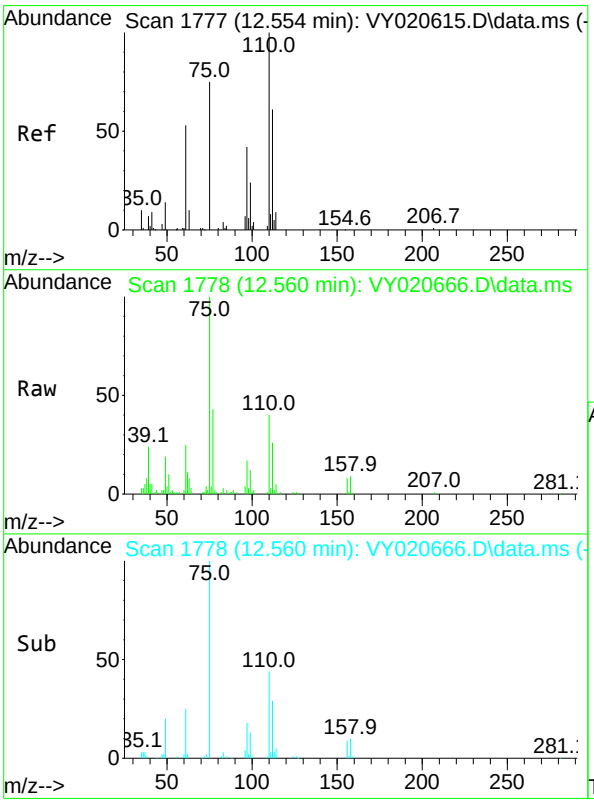
#75
1,1,2,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

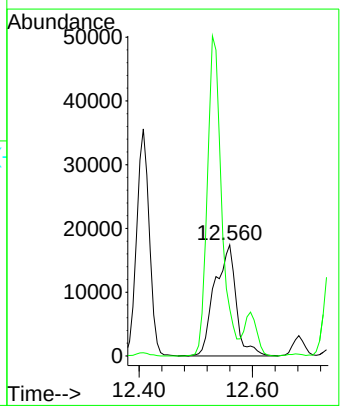


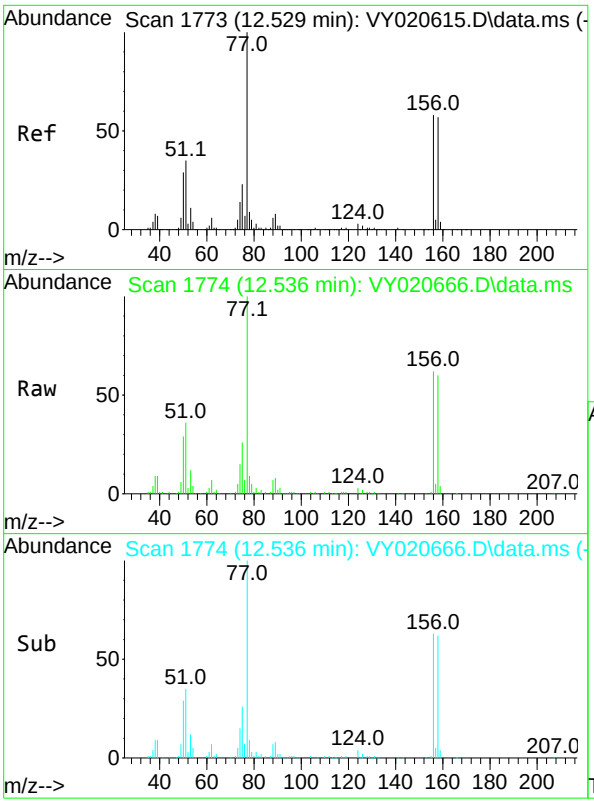


#76
1,2,3-Trichloropropane
Concen: 37.617 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 45694

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



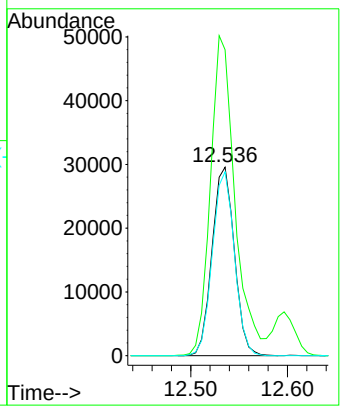


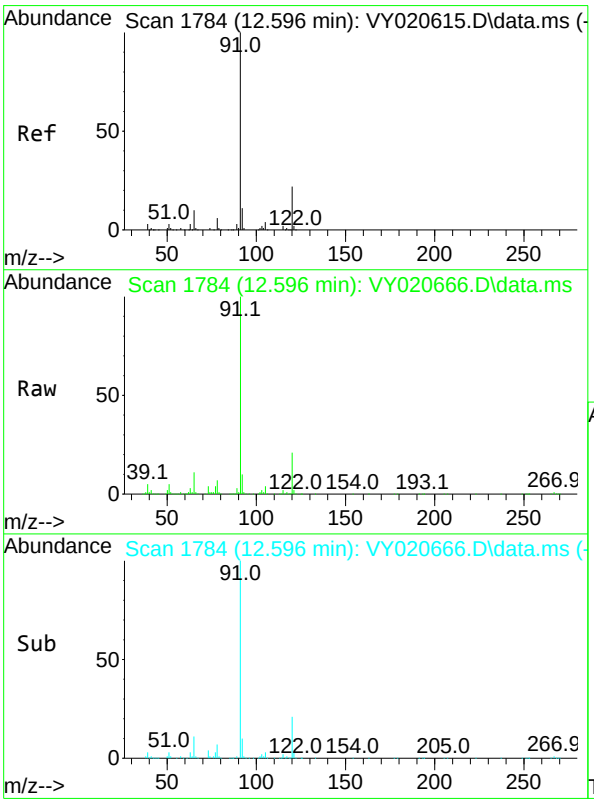
#77
Bromobenzene
Concen: 21.282 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

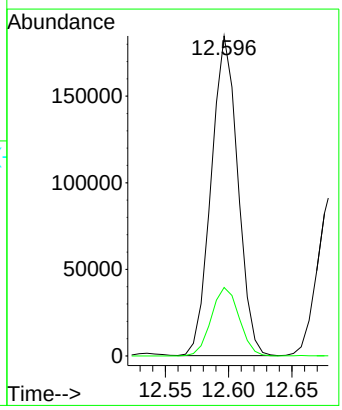


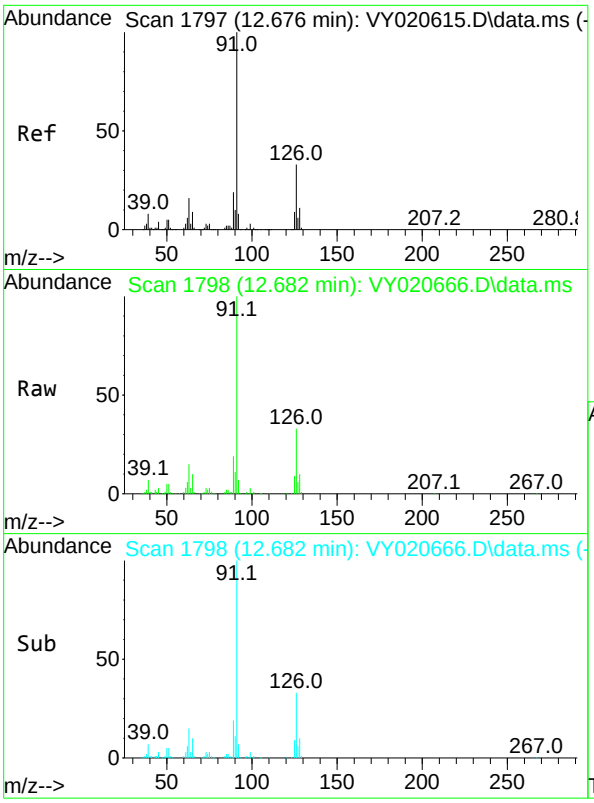


#78
n-propylbenzene
Concen: 21.981 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 270238

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



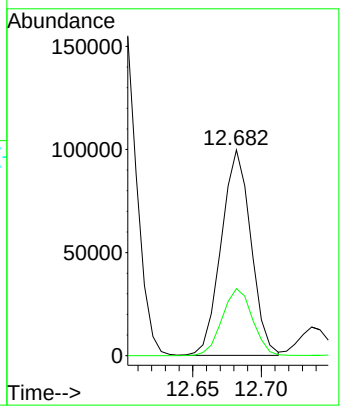


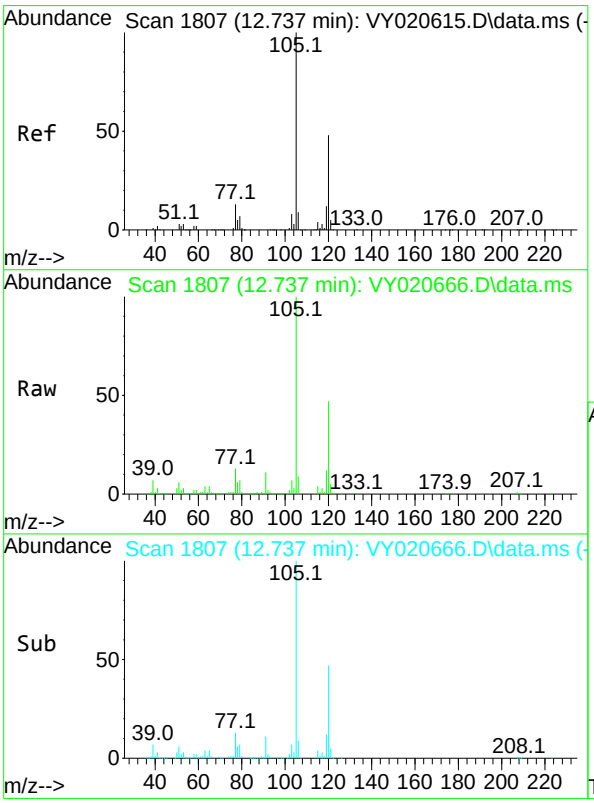
#79
2-Chlorotoluene
Concen: 21.727 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 91 Resp: 150281

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7

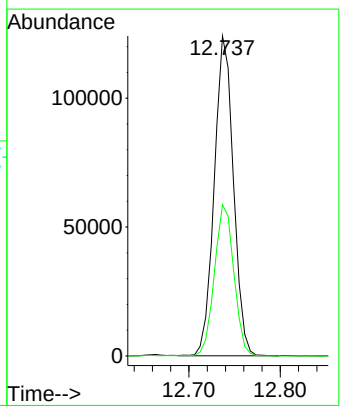


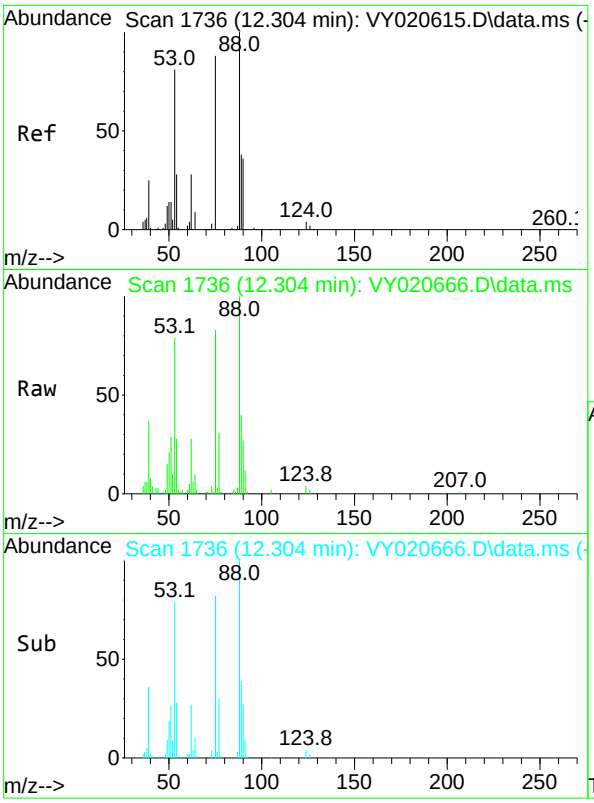


#80
1,3,5-Trimethylbenzene
Concen: 21.827 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 180725

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



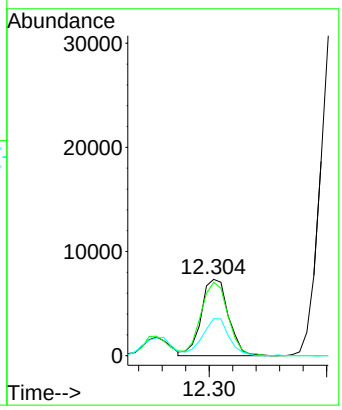


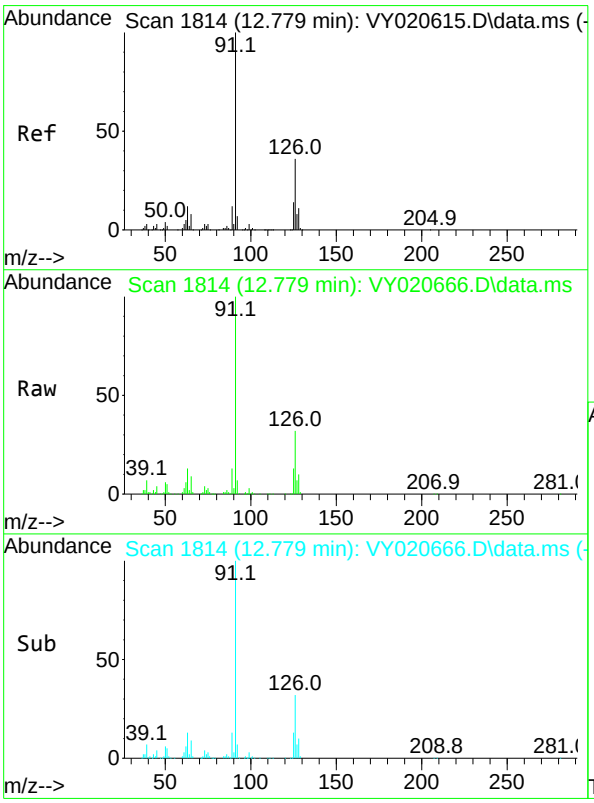
#81
trans-1,4-Dichloro-2-butene
Concen: 20.297 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

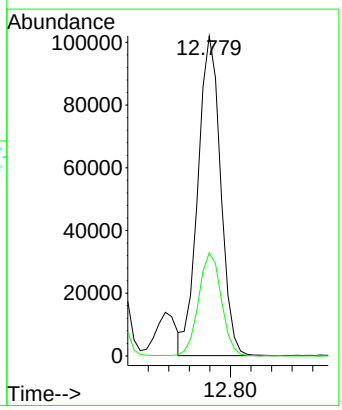


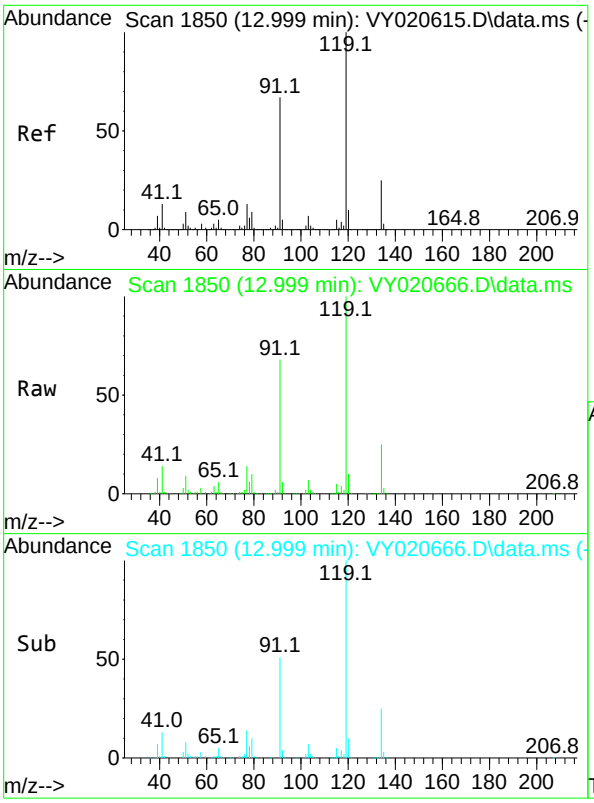


#82
4-Chlorotoluene
Concen: 21.784 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 156322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



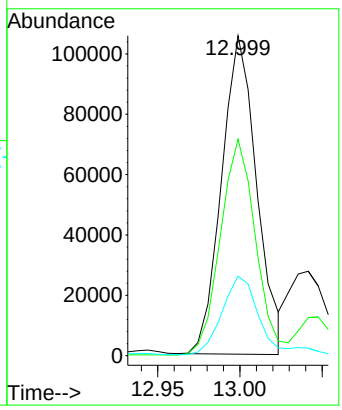


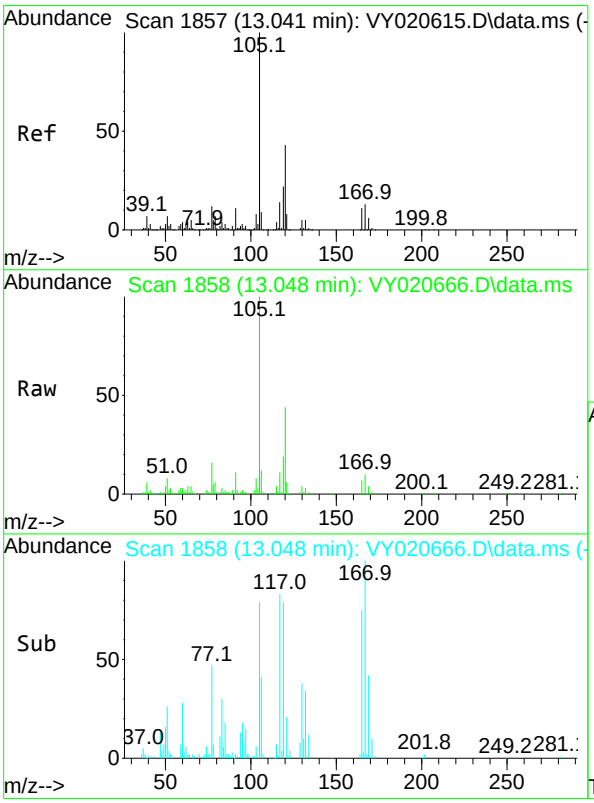
#83
tert-Butylbenzene
Concen: 20.934 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

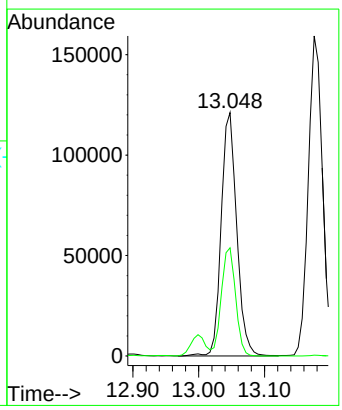


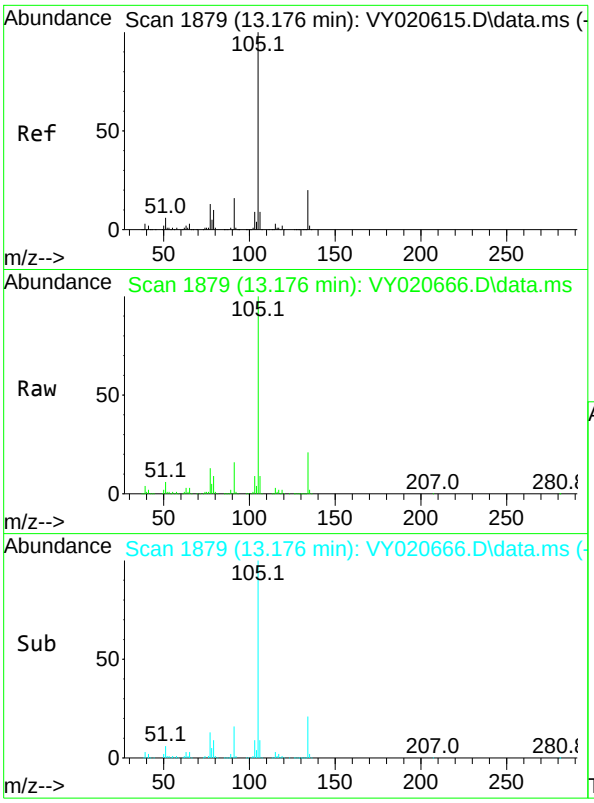


#84
1,2,4-Trimethylbenzene
Concen: 24.542 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 199323

Ion	Ratio	Lower	Upper
105	100		
120	40.6	21.8	65.4



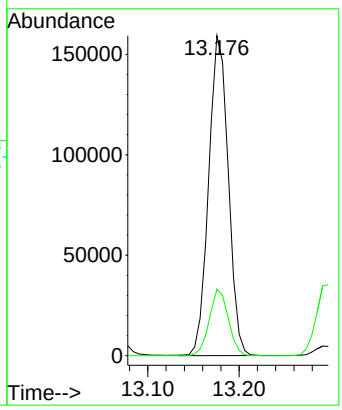


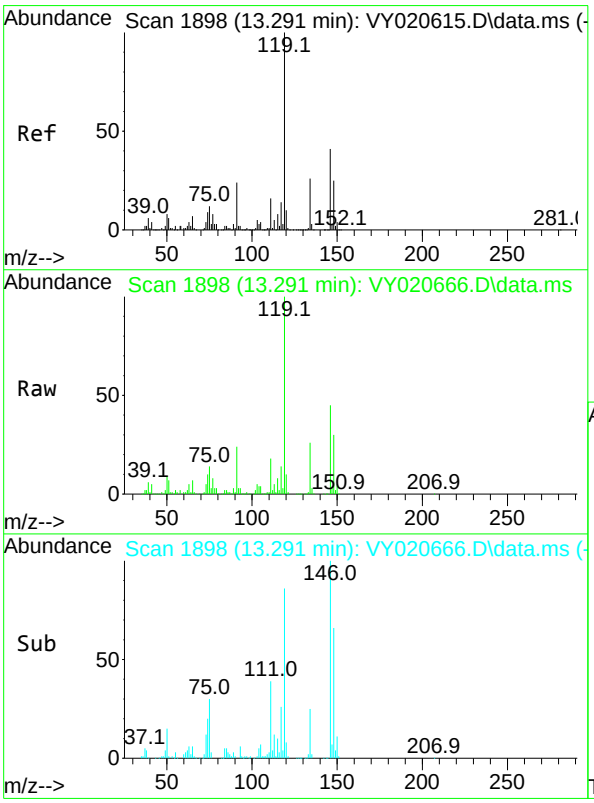
#85
sec-Butylbenzene
Concen: 21.761 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:105 Resp: 237258

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

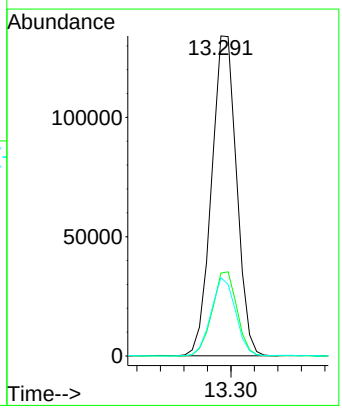


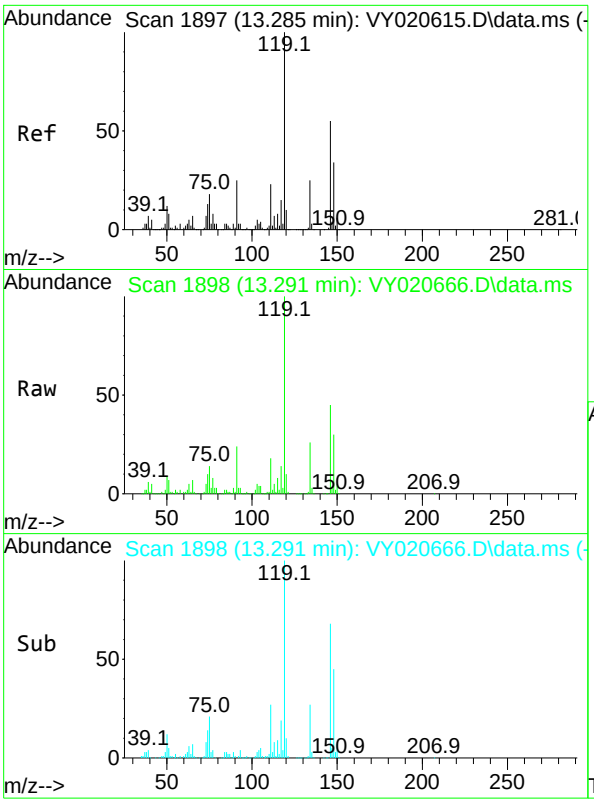


#86
p-Isopropyltoluene
Concen: 22.057 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



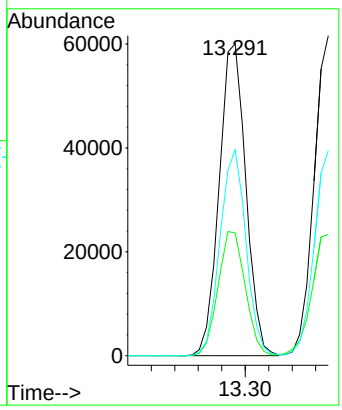


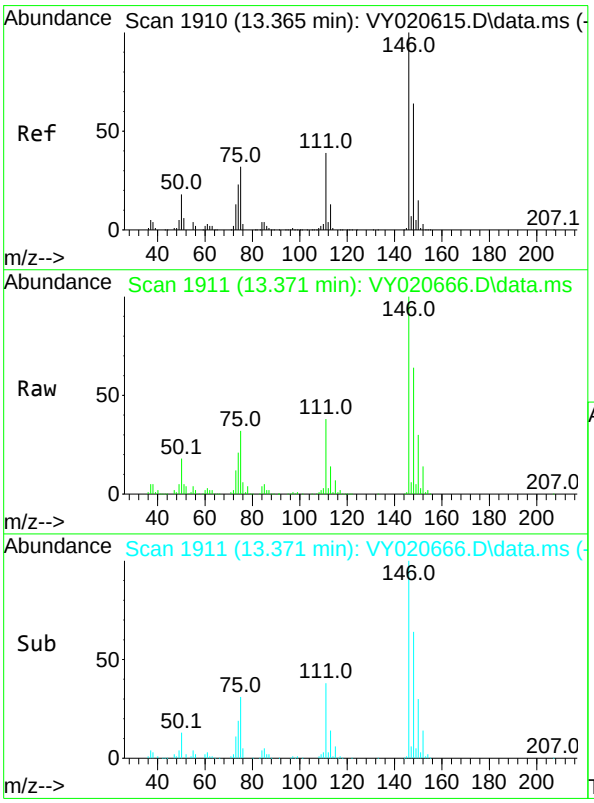
#87
1,3-Dichlorobenzene
Concen: 21.610 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

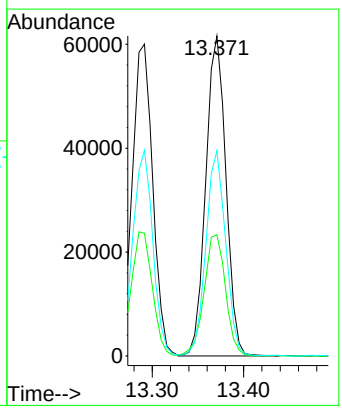


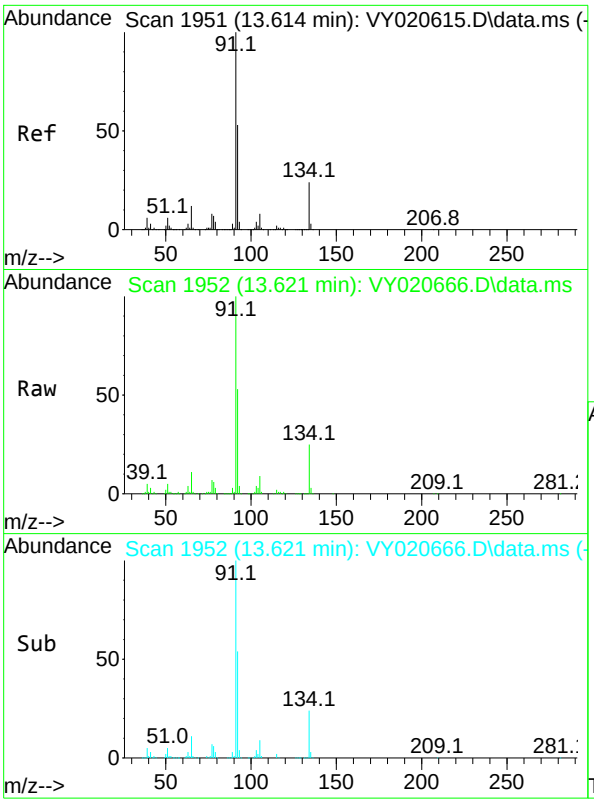


#88
1,4-Dichlorobenzene
Concen: 21.648 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



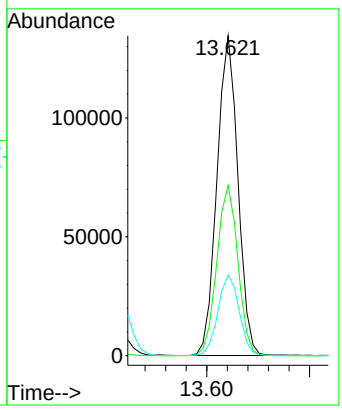


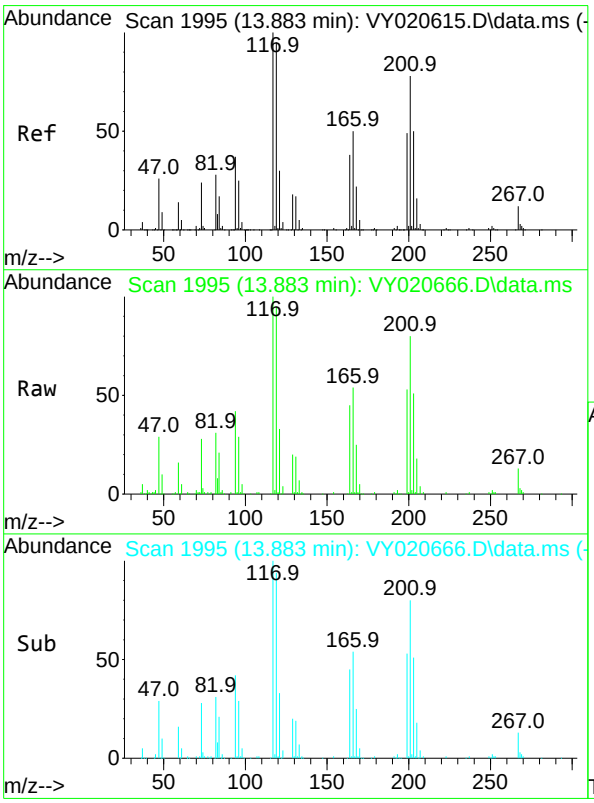
#89
n-Butylbenzene
Concen: 22.293 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

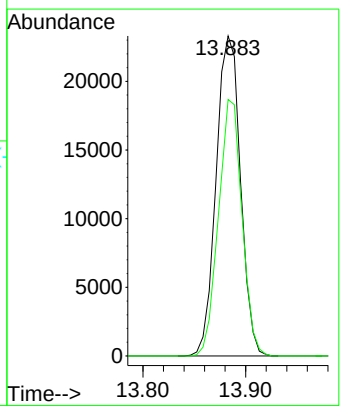


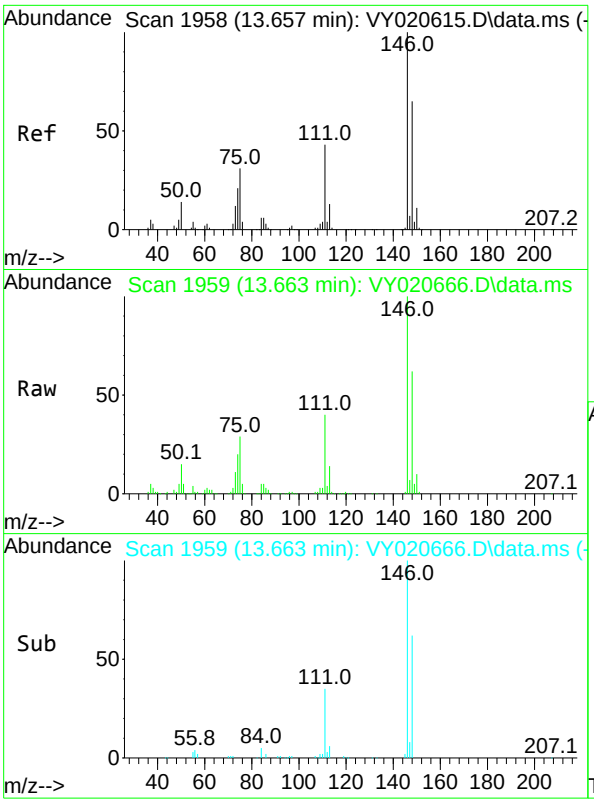


#90
Hexachloroethane
Concen: 21.500 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 38301

Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.1	117.3



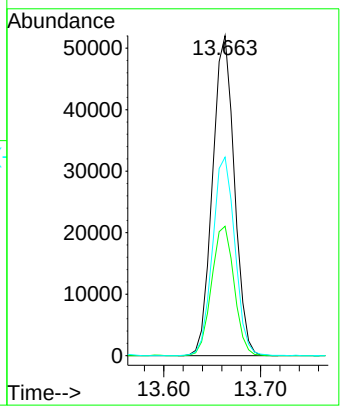


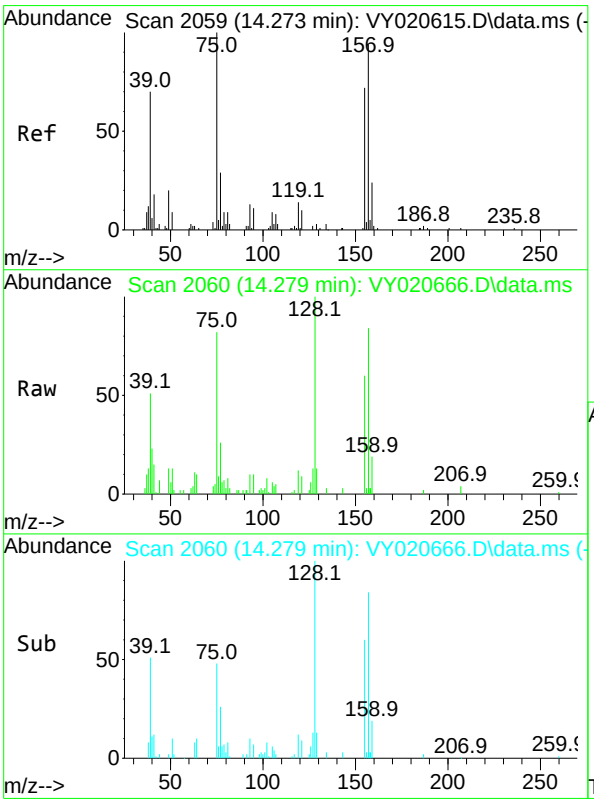
#91
1,2-Dichlorobenzene
Concen: 21.456 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

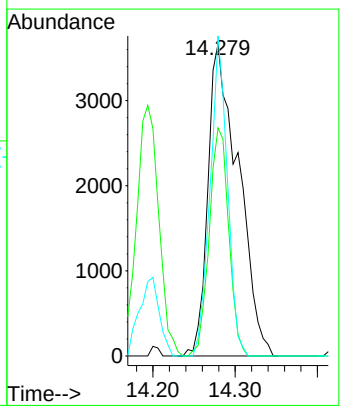


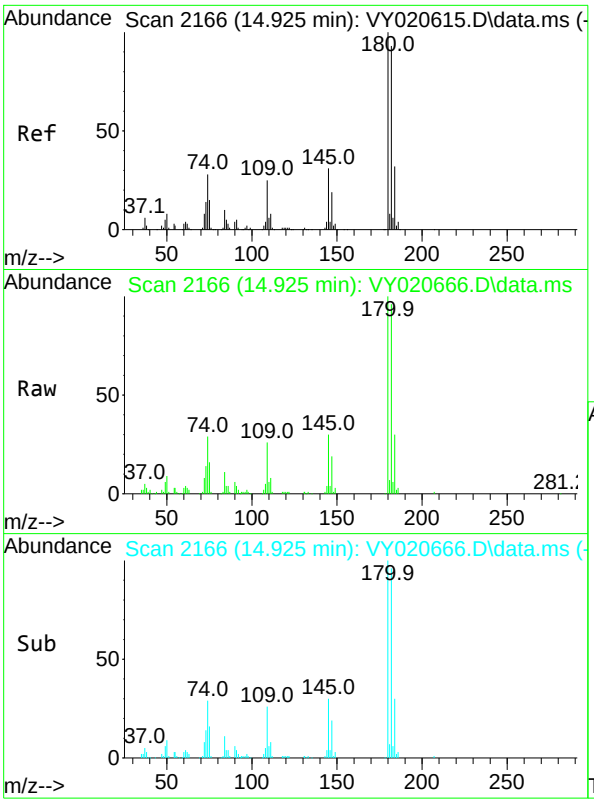


#92
1,2-Dibromo-3-Chloropropane
Concen: 35.007 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



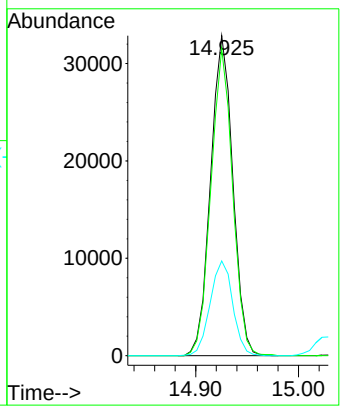


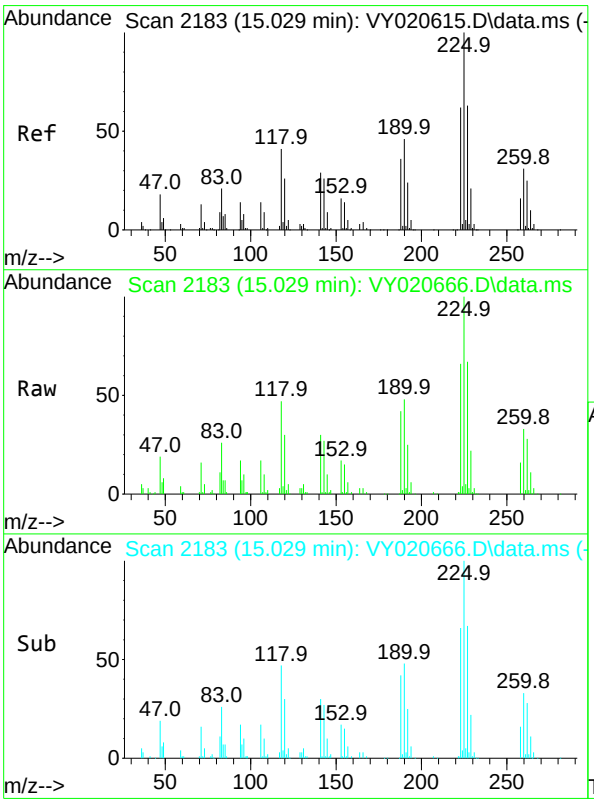
#93
1,2,4-Trichlorobenzene
Concen: 21.424 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

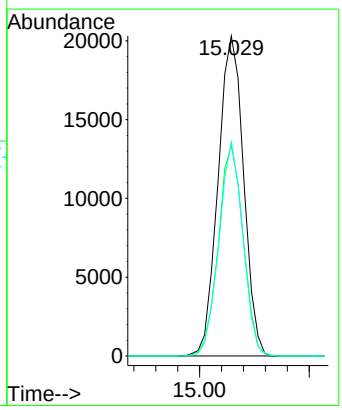


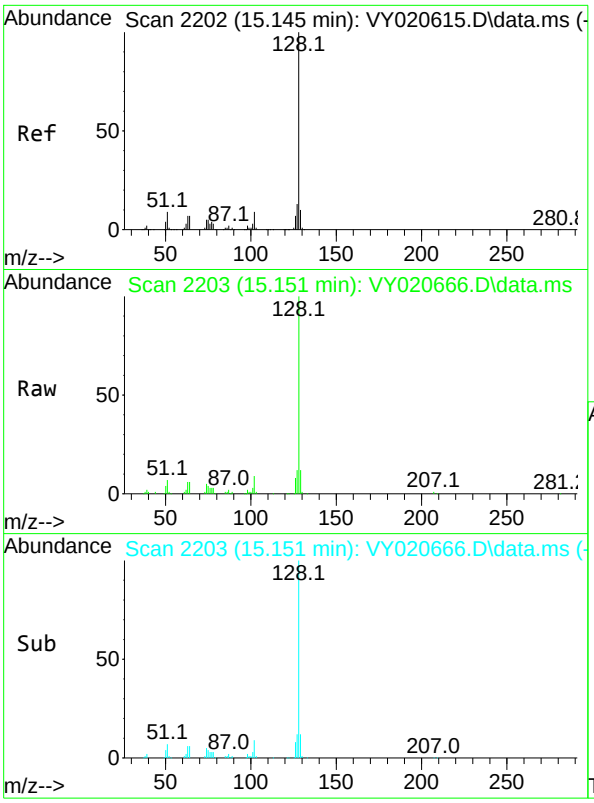


#94
Hexachlorobutadiene
Concen: 21.854 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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



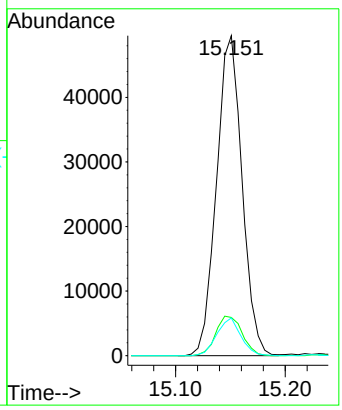


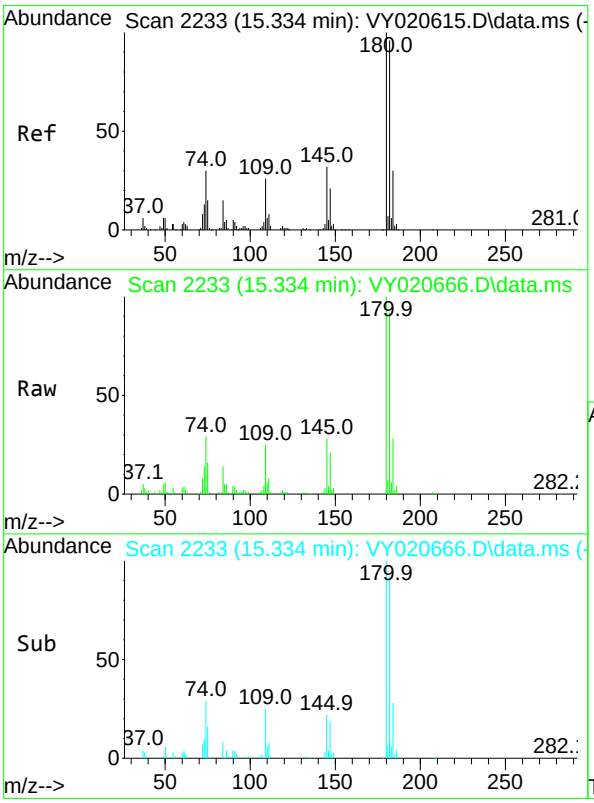
#95
Naphthalene
Concen: 20.350 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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

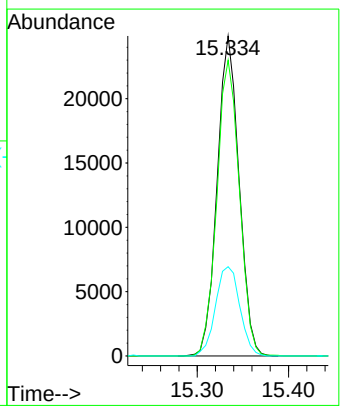




#96
1,2,3-Trichlorobenzene
Concen: 21.307 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

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)

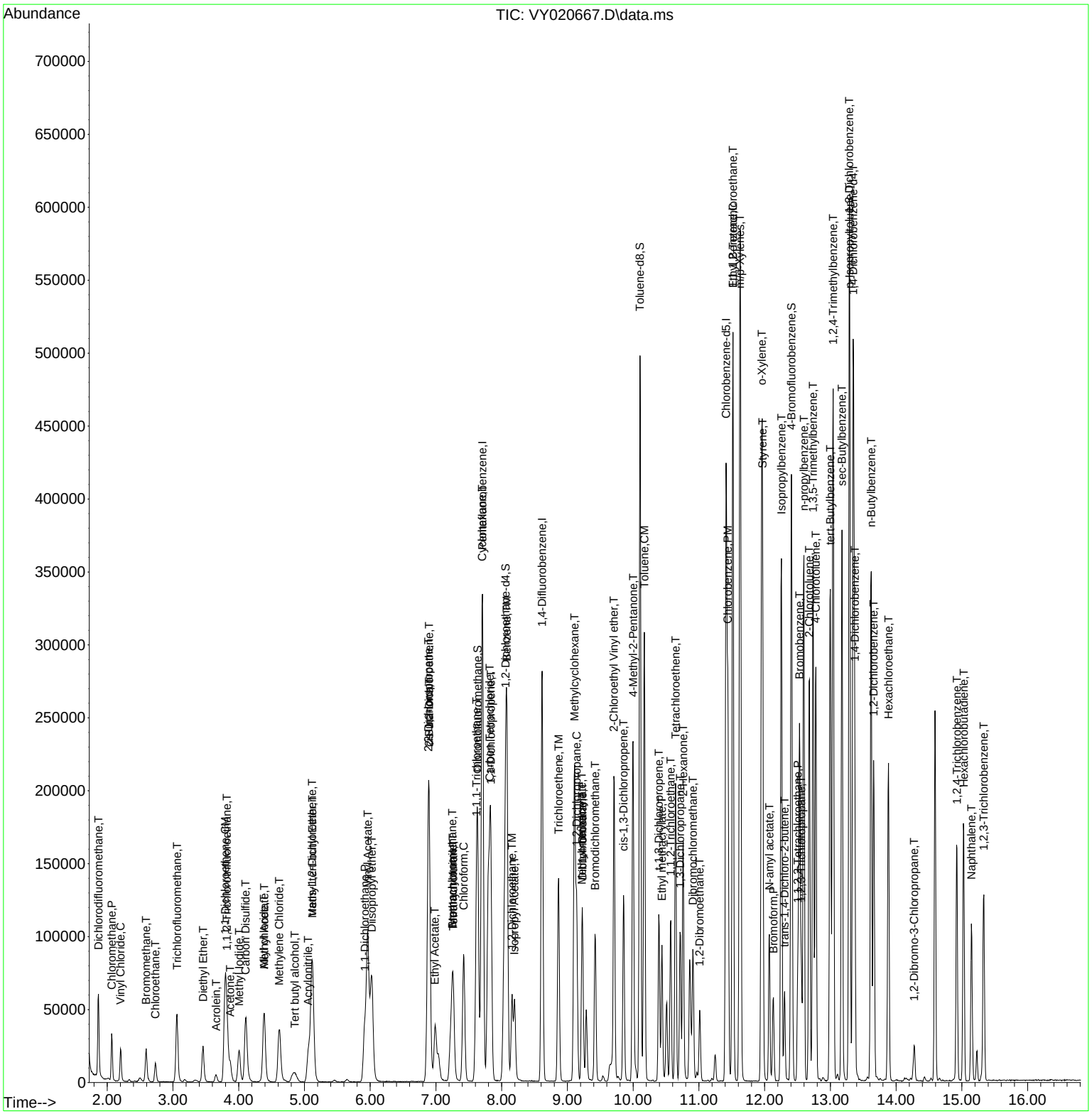
(#) = qualifier out of range (m) = manual integration (+) = signals summed

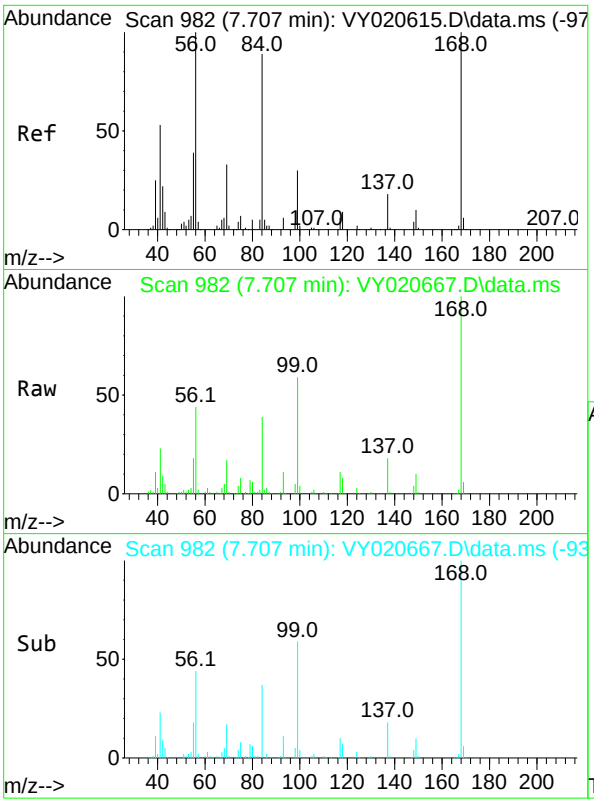
Quantitation Report (Not Reviewed)

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



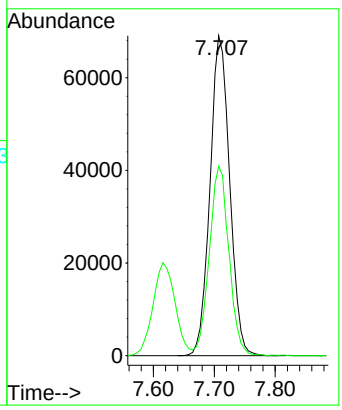


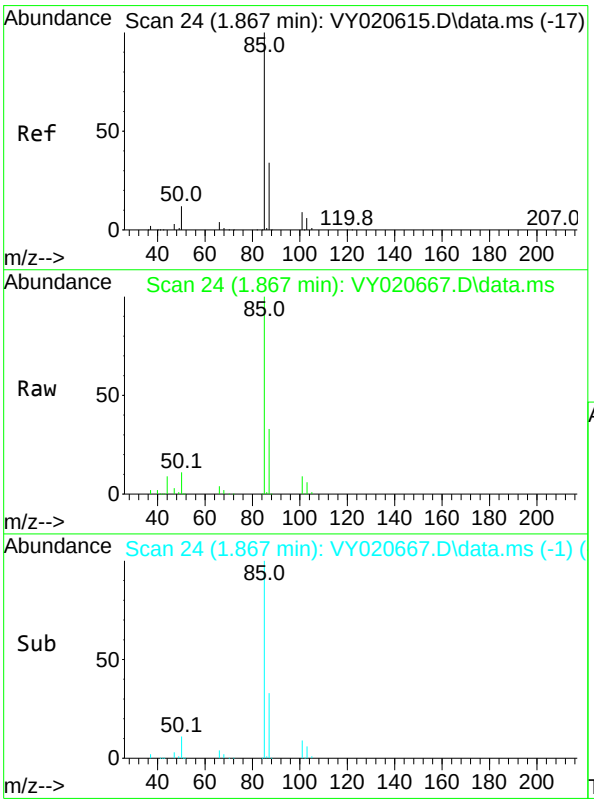
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:168 Resp: 154597

Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.0	70.6

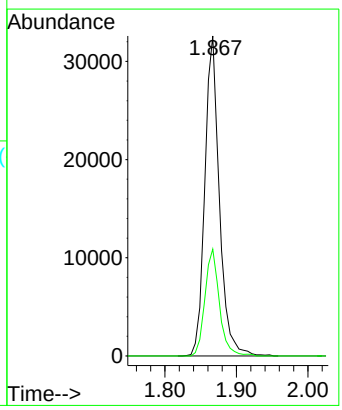


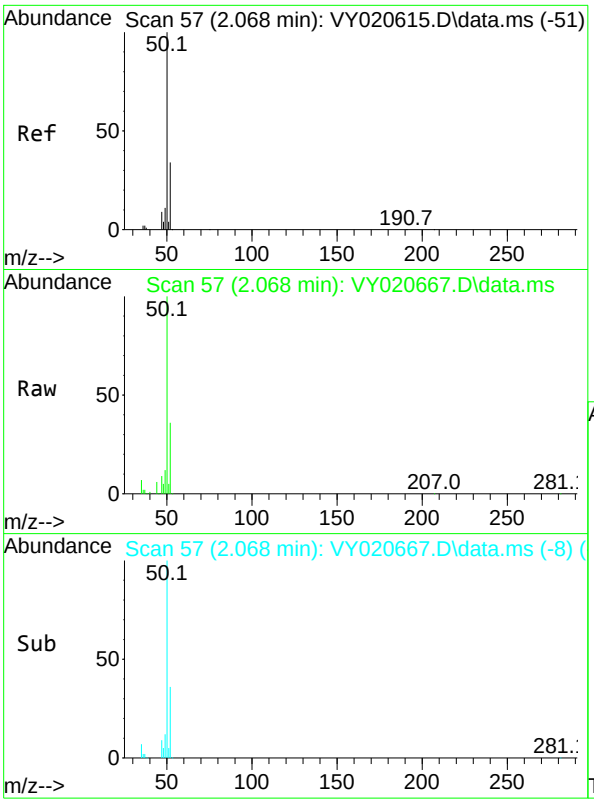


#2
Dichlorodifluoromethane
Concen: 23.917 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 85 Resp: 46183

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3



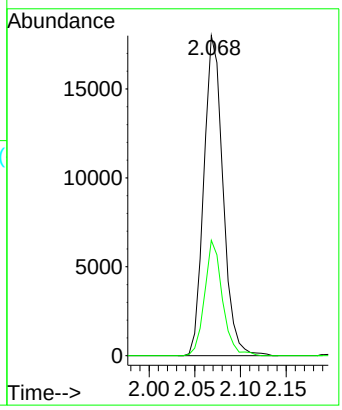


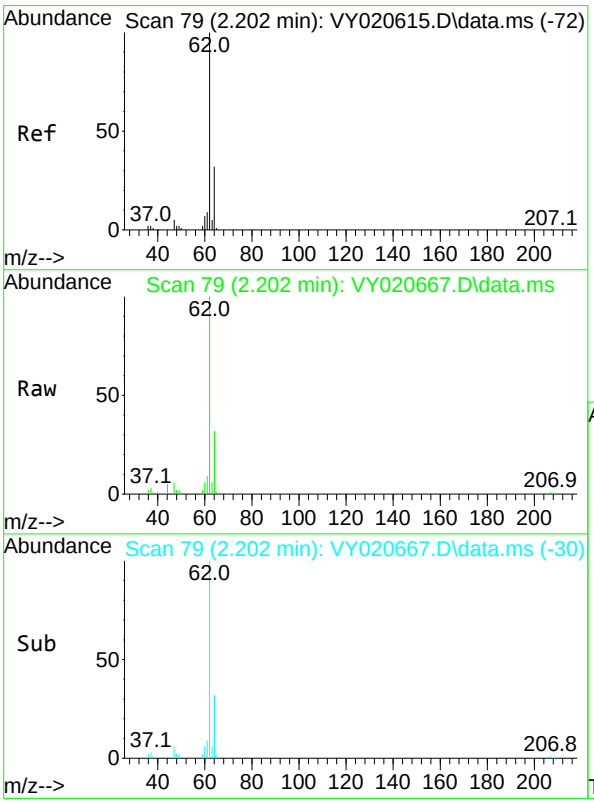
#3
Chloromethane
Concen: 18.267 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 50 Resp: 26136

Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.8	40.2

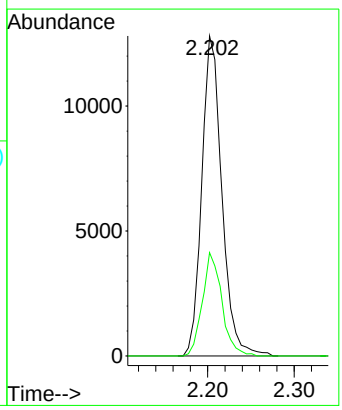


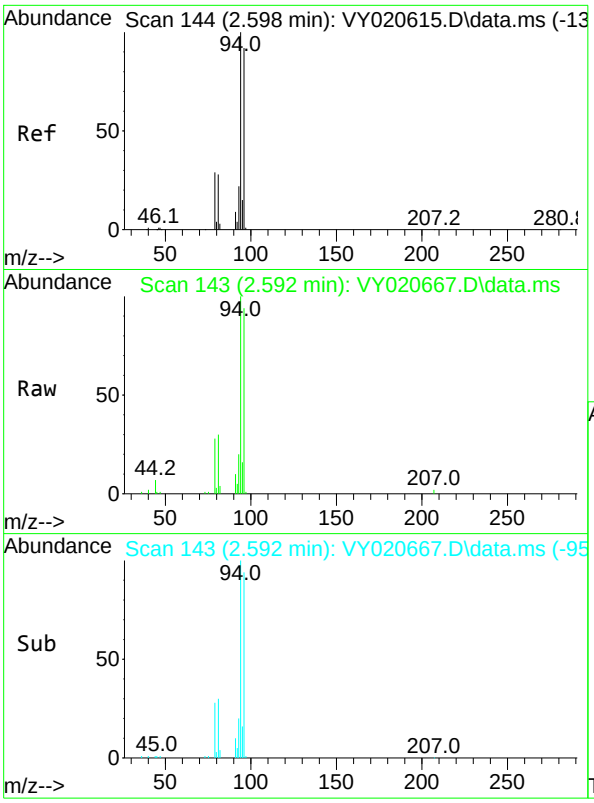


#4
Vinyl Chloride
Concen: 15.490 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 62 Resp: 20627

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.3	37.9



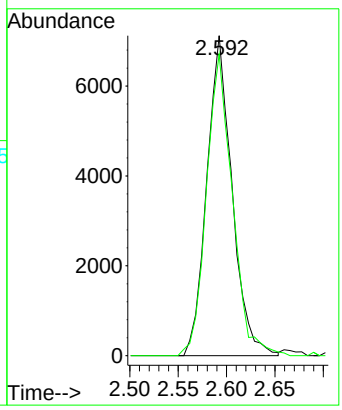


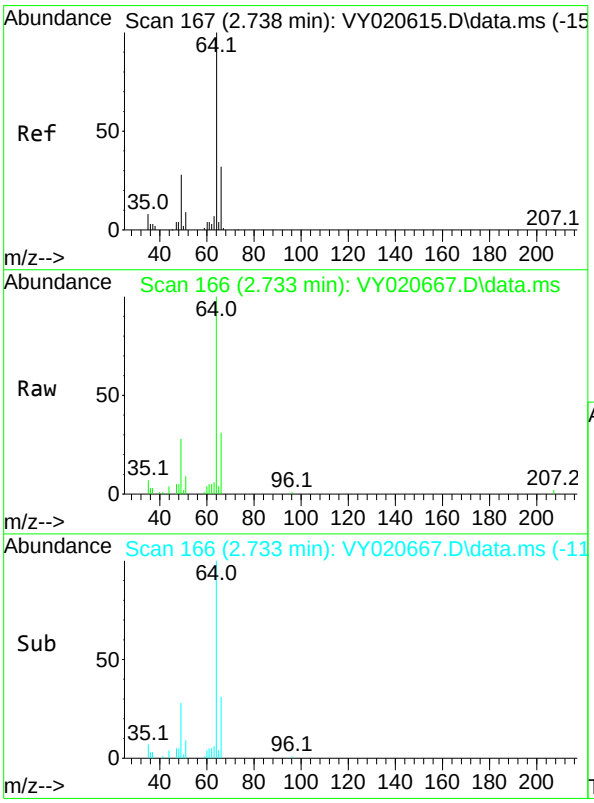
#5
Bromomethane
Concen: 15.112 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 94 Resp: 12936

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.8	110.6

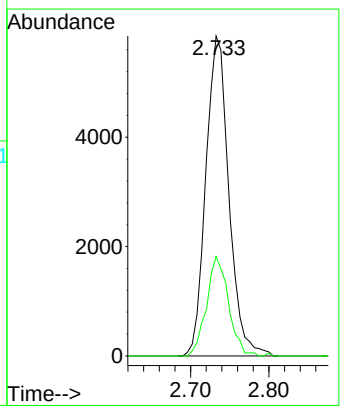


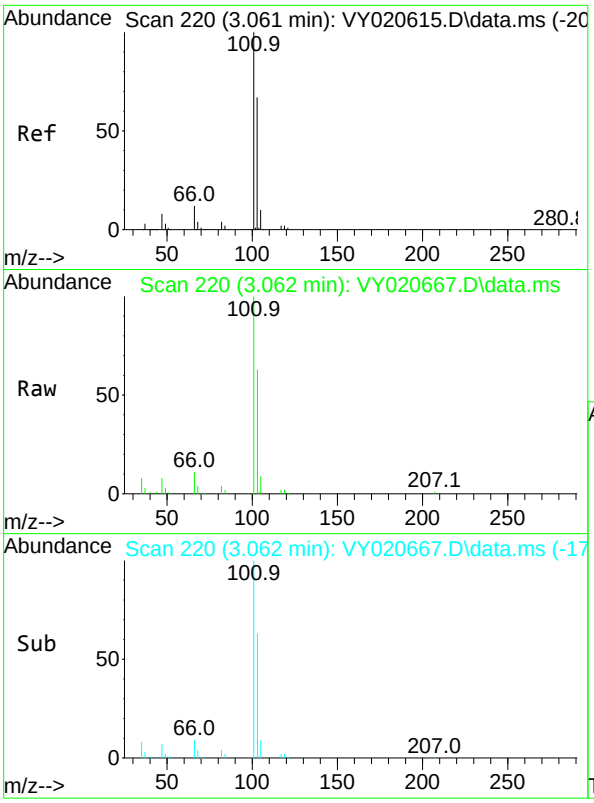


#6
Chloroethane
Concen: 14.525 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 64 Resp: 11953

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.8	38.6



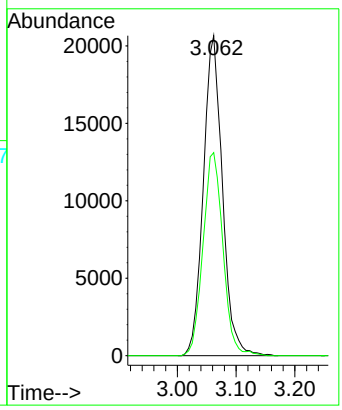


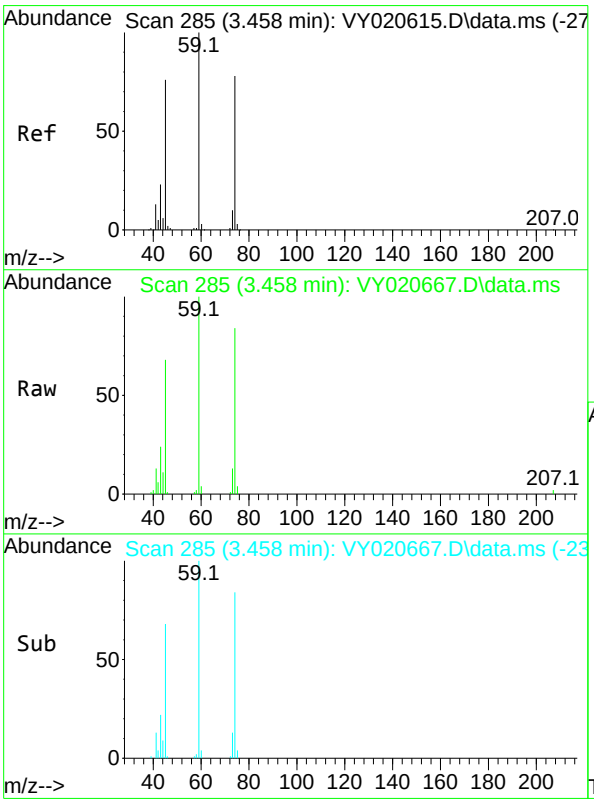
#7
Trichlorofluoromethane
Concen: 16.744 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:101 Resp: 46655

Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.4	80.0

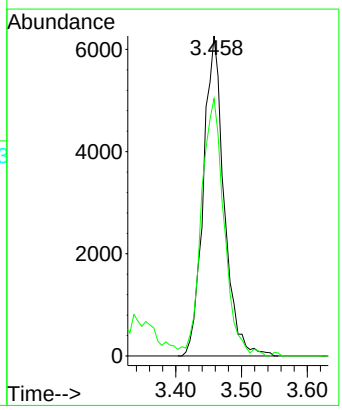


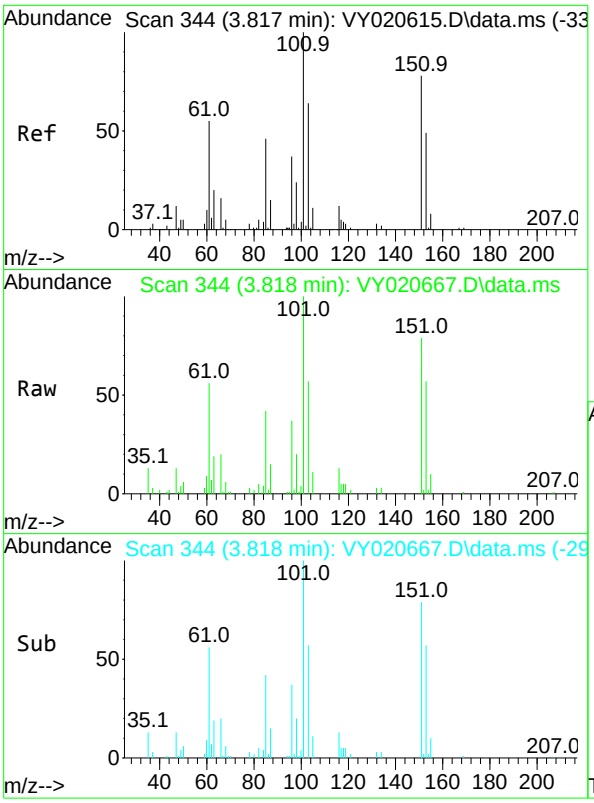


#8
Diethyl Ether
Concen: 14.031 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 74 Resp: 13711

Ion	Ratio	Lower	Upper
74	100		
45	88.1	49.0	147.2



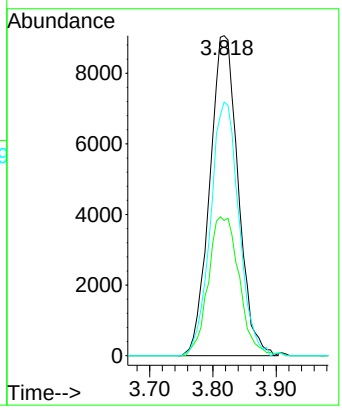


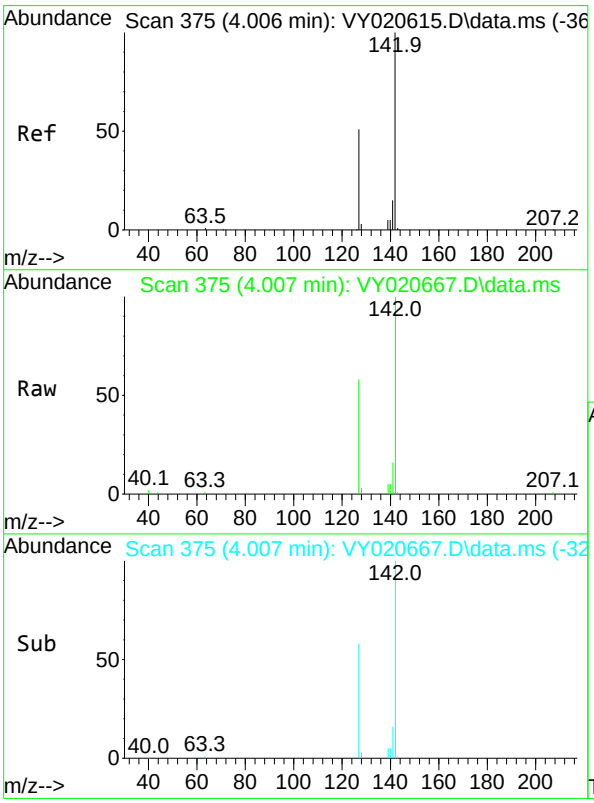
#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.177 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

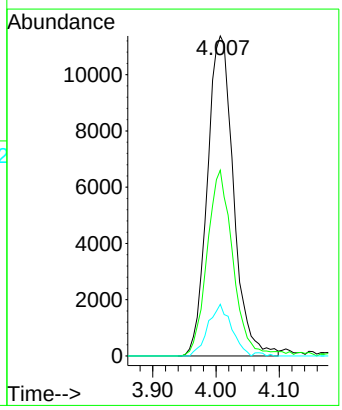


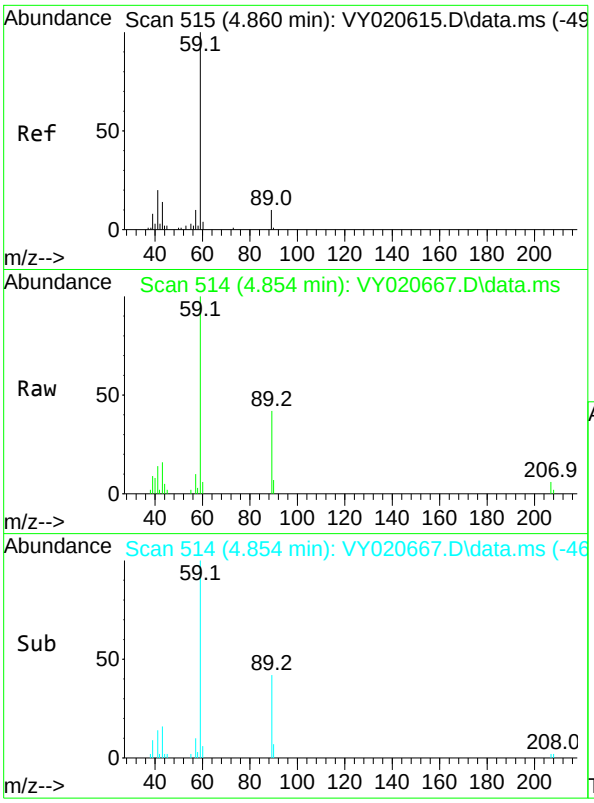


#10
Methyl Iodide
Concen: 14.694 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



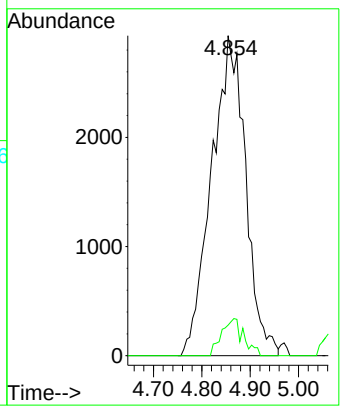


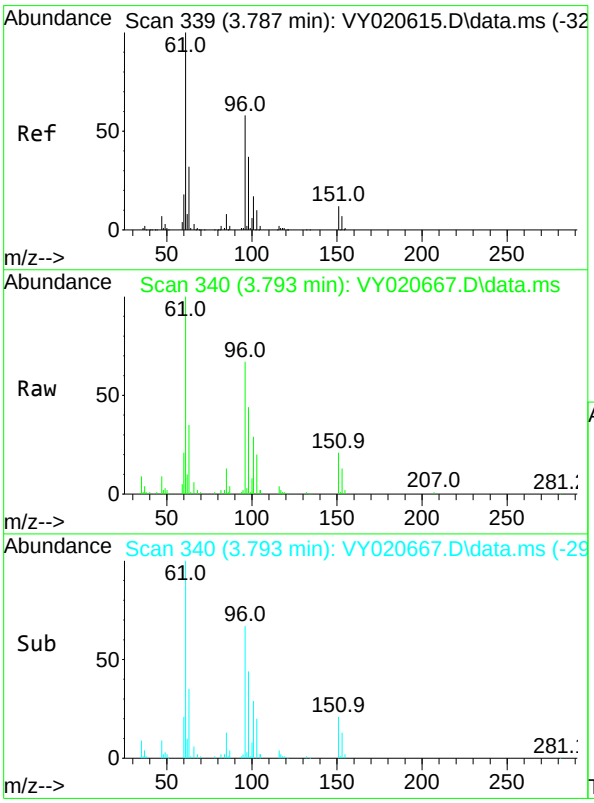
#11
Tert butyl alcohol
Concen: 55.423 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 59 Resp: 14349

Ion	Ratio	Lower	Upper
59	100		
57	7.5	7.4	11.0

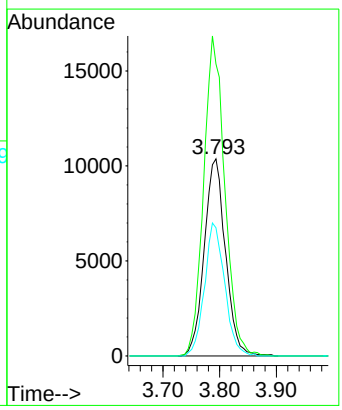


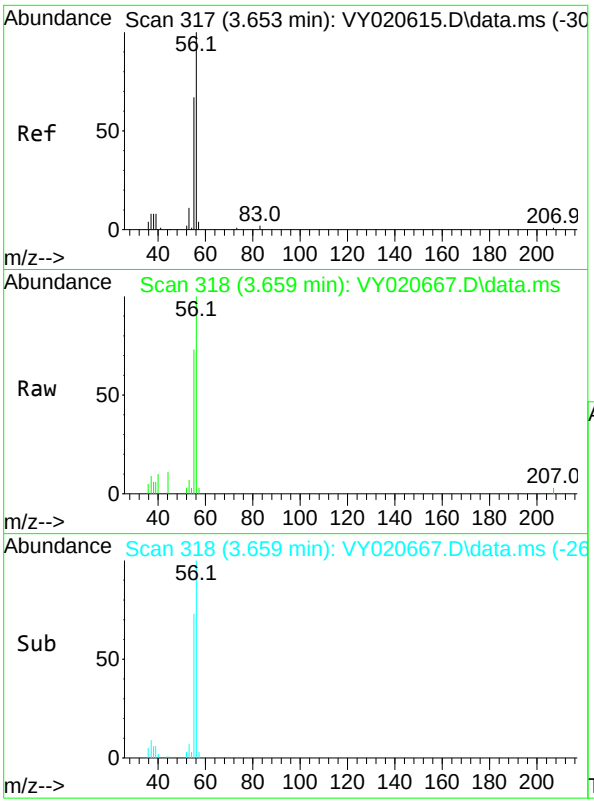


#12
1,1-Dichloroethene
Concen: 13.953 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



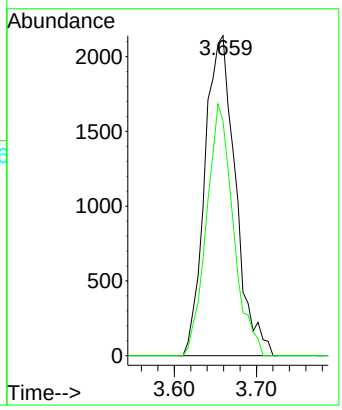


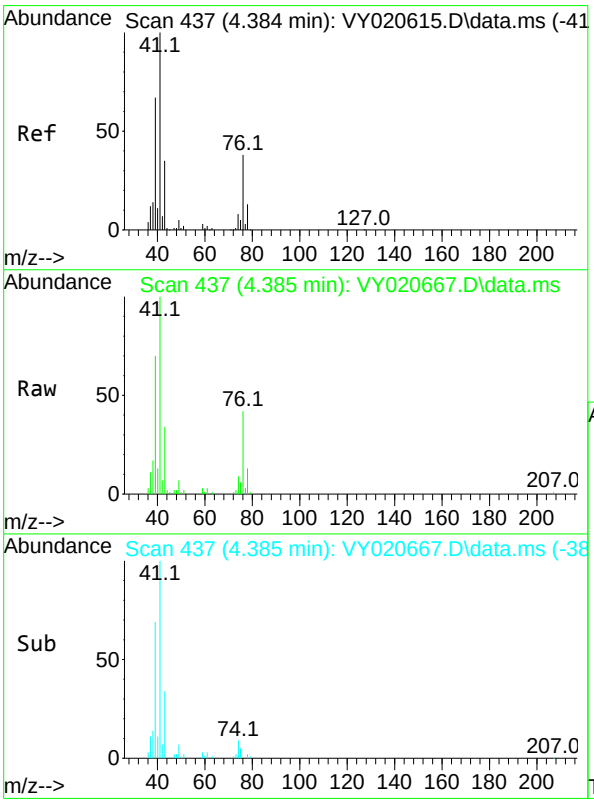
#13
Acrolein
Concen: 69.097 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 56 Resp: 5532

Ion	Ratio	Lower	Upper
56	100		
55	68.9	57.5	86.3

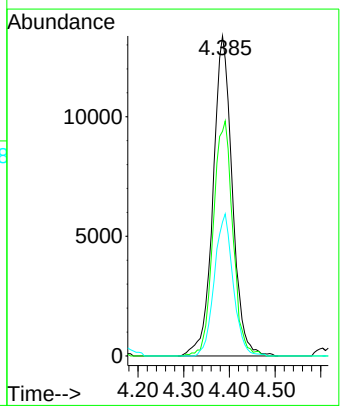


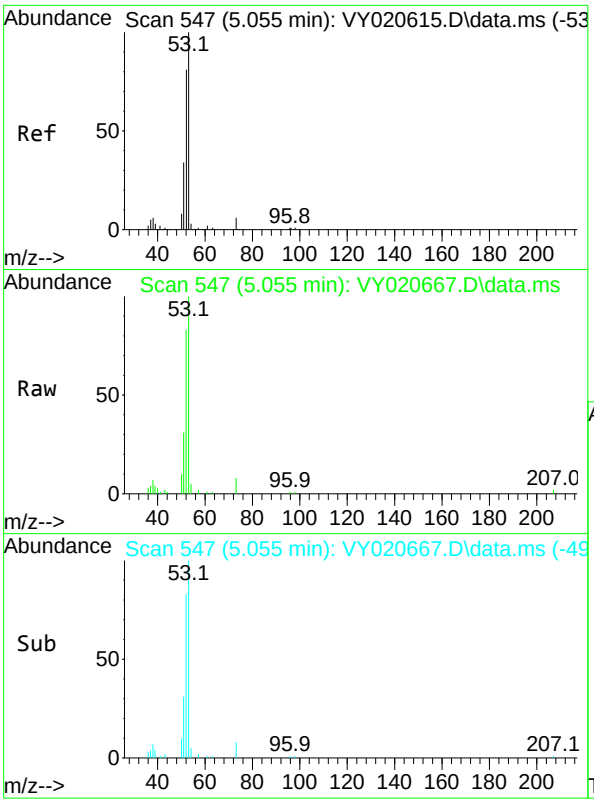


#14
Allyl chloride
Concen: 11.548 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



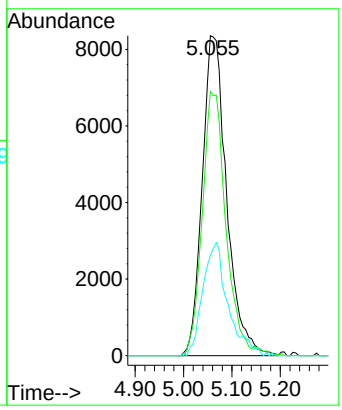


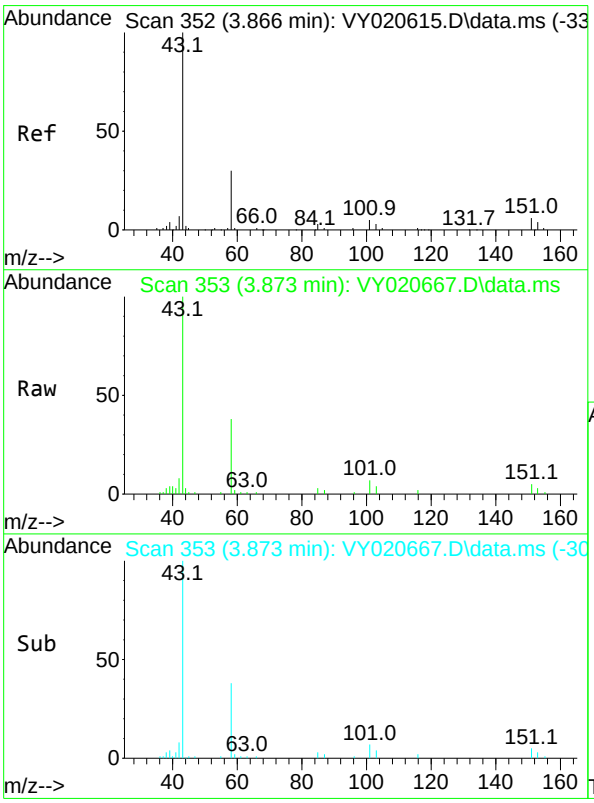
#15
Acrylonitrile
Concen: 62.786 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

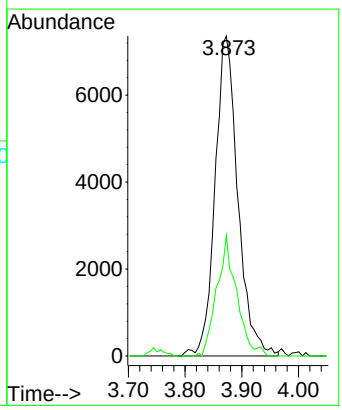


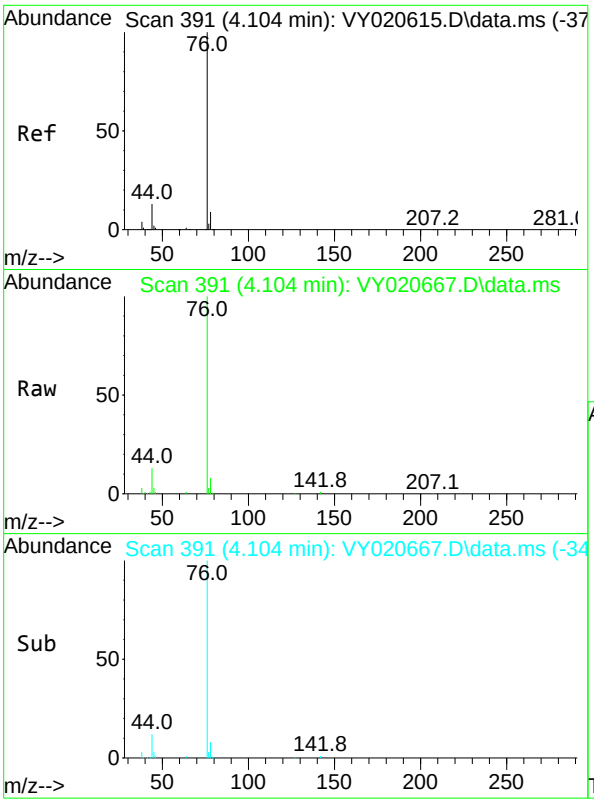


#16
Acetone
Concen: 56.052 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 43 Resp: 20534

Ion	Ratio	Lower	Upper
43	100		
58	37.7	25.0	37.6#



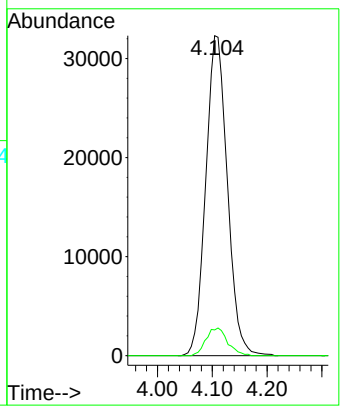


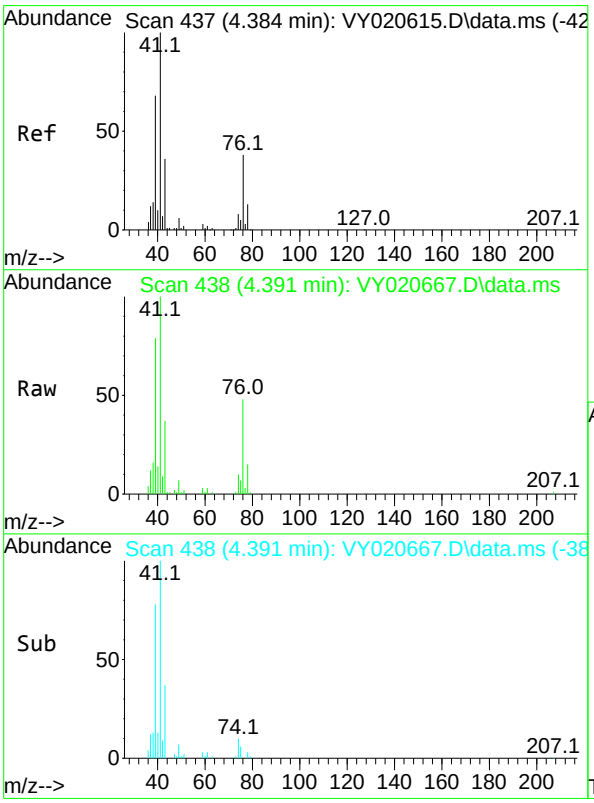
#17
Carbon Disulfide
Concen: 13.971 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 76 Resp: 88129

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

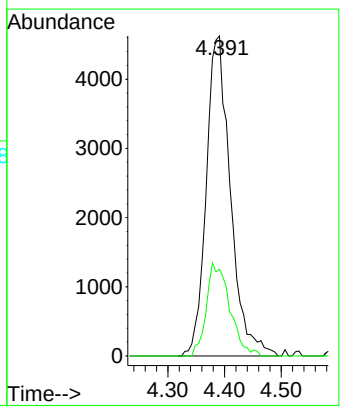


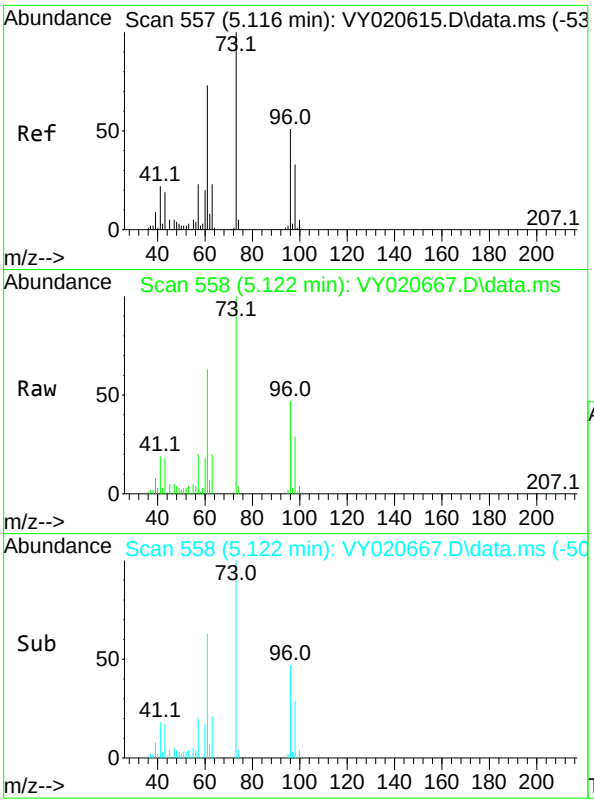


#18
Methyl Acetate
Concen: 11.903 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 43 Resp: 13712

Ion	Ratio	Lower	Upper
43	100		
74	28.1	19.2	28.8



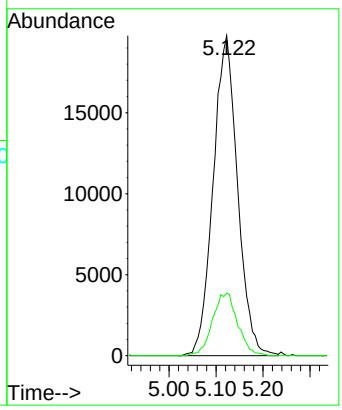


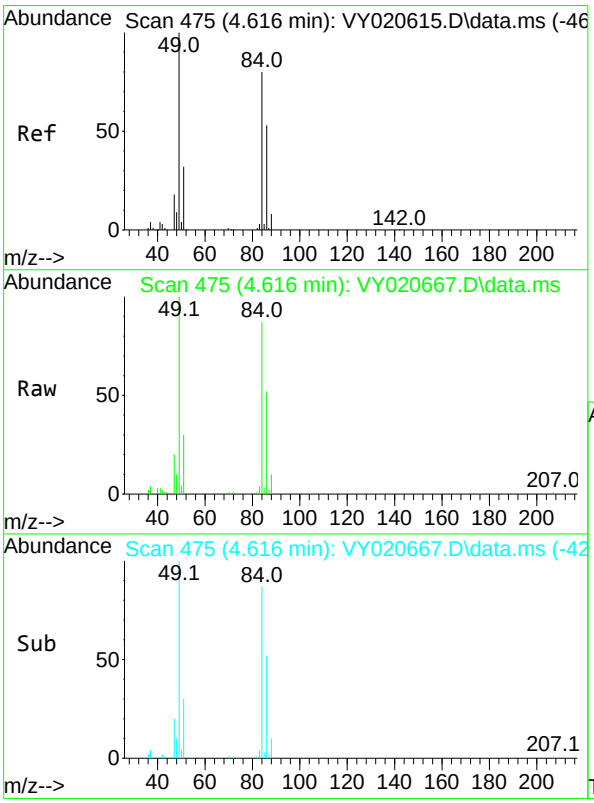
#19
Methyl tert-butyl Ether
Concen: 14.257 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 73 Resp: 71311

Ion	Ratio	Lower	Upper
73	100		
57	19.6	18.5	27.7

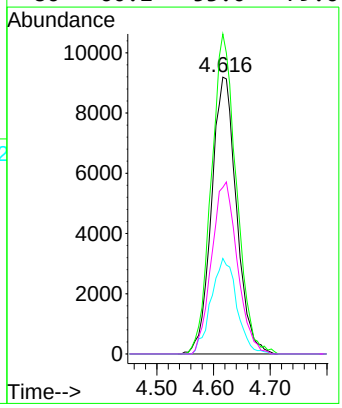


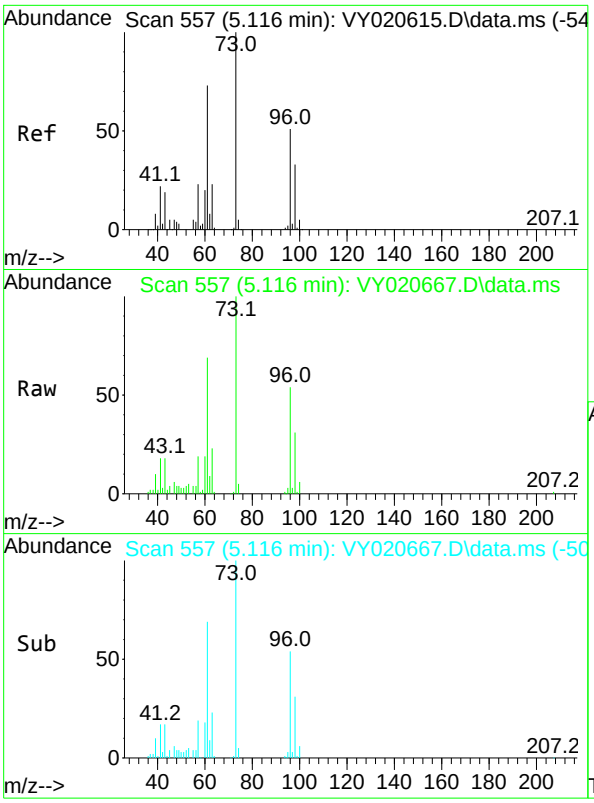


#20
Methylene Chloride
Concen: 13.301 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



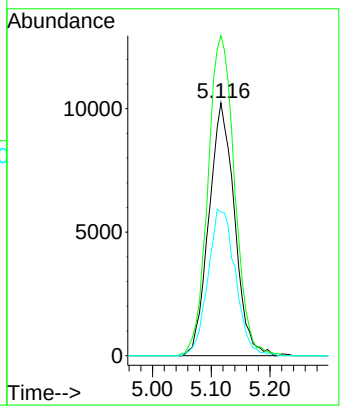


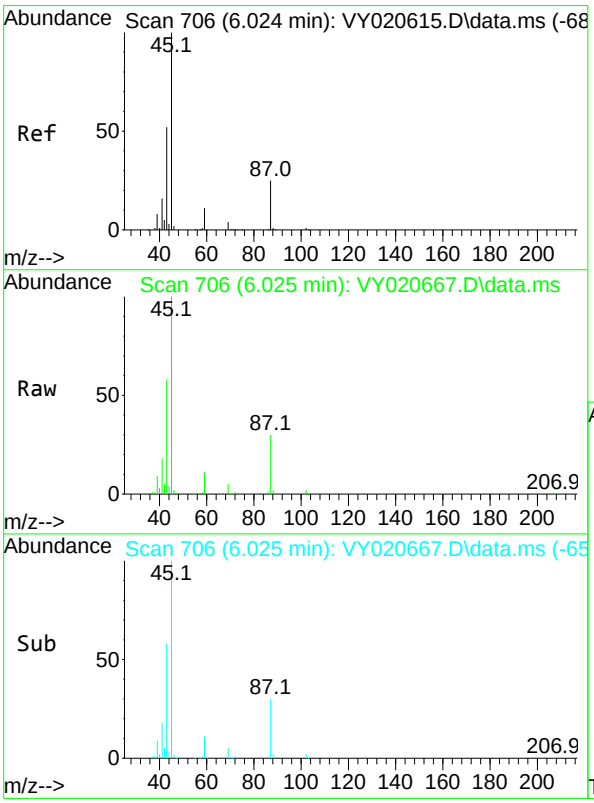
#21
trans-1,2-Dichloroethene
Concen: 14.251 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

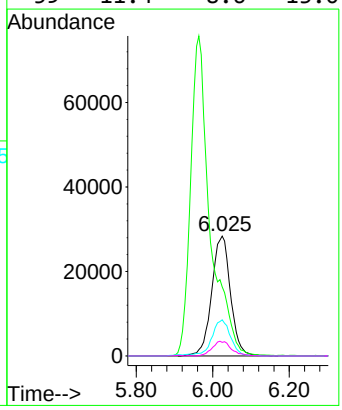


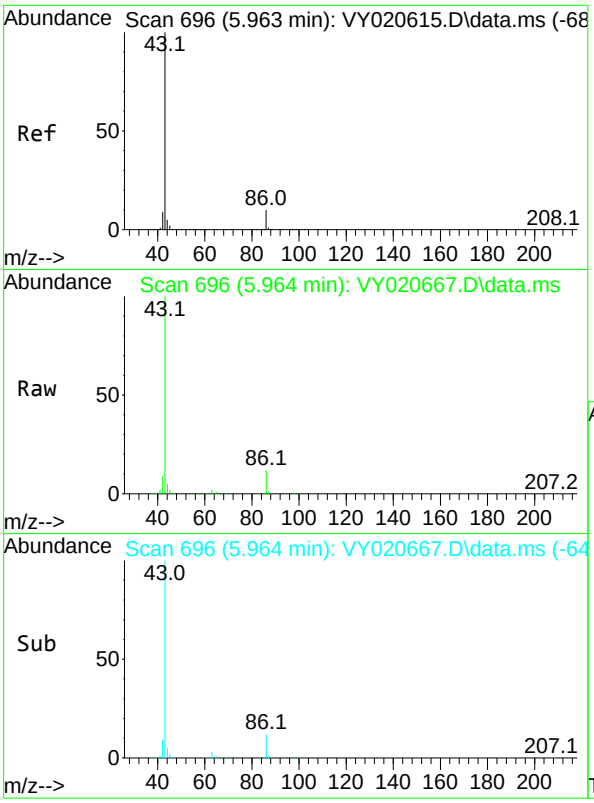


#22
Diisopropyl ether
Concen: 14.069 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



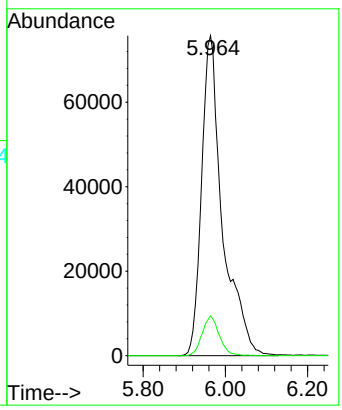


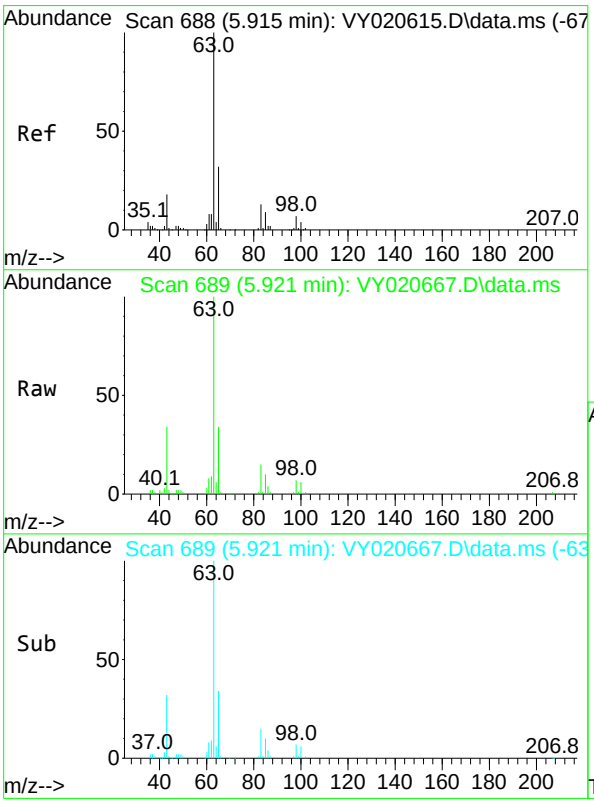
#23
Vinyl Acetate
Concen: 68.637 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 267947

Ion	Ratio	Lower	Upper
43	100		
86	12.4	8.1	12.1#

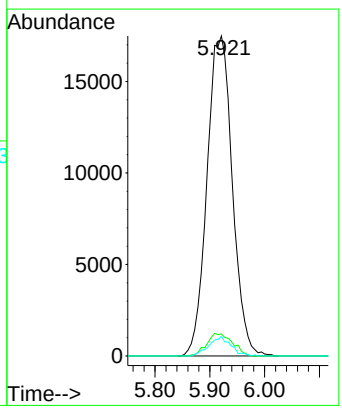


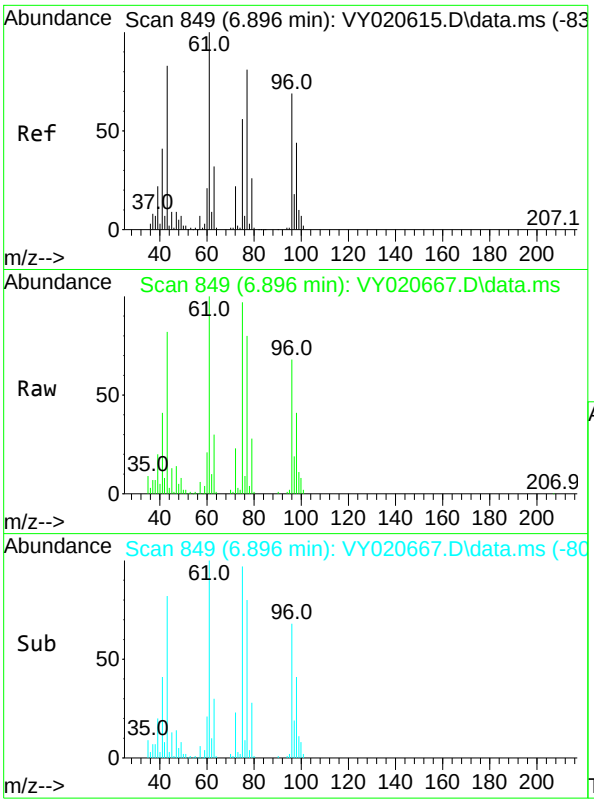


#24
1,1-Dichloroethane
Concen: 13.914 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



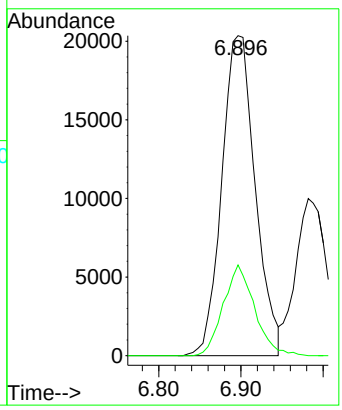


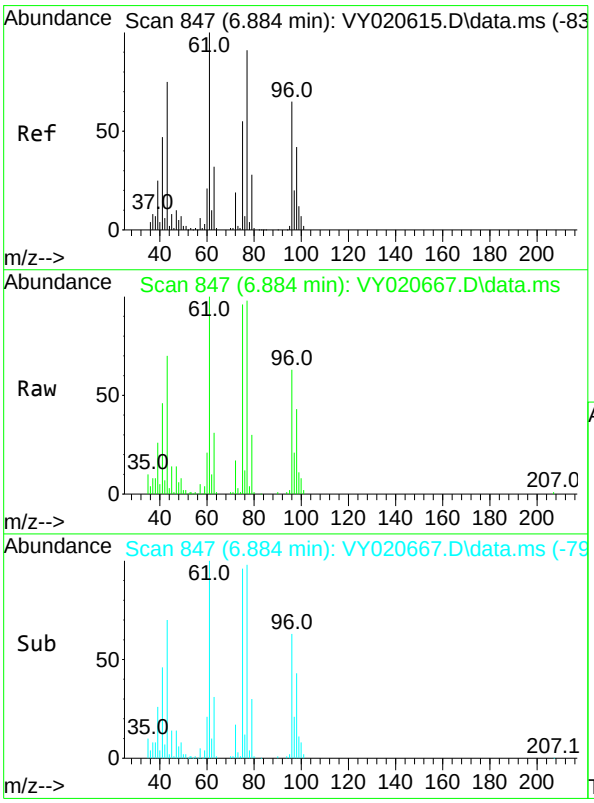
#25
2-Butanone
Concen: 91.487 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 57567

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.6	31.0

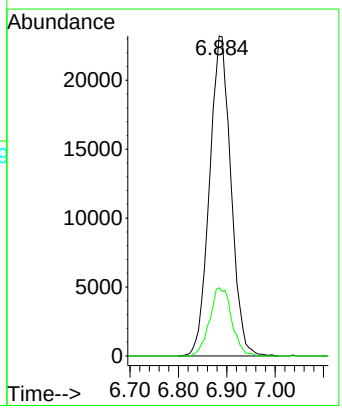


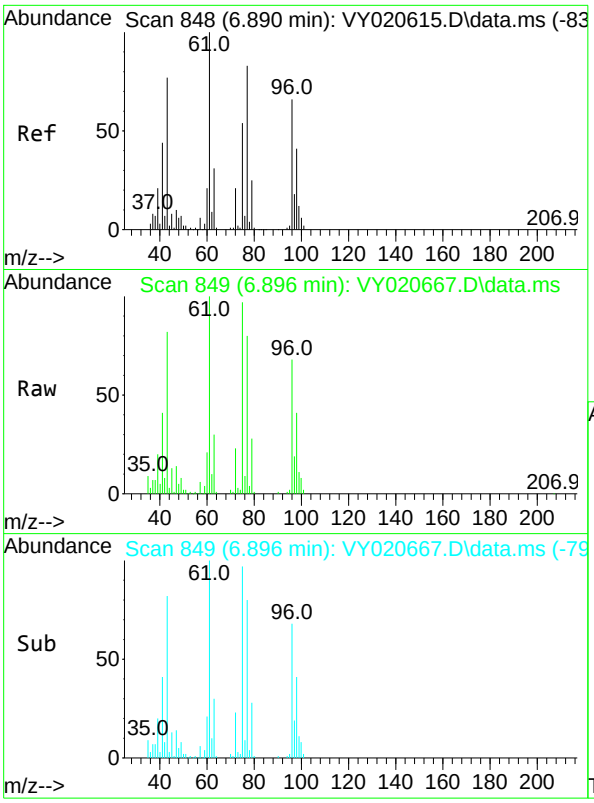


#26
2,2-Dichloropropane
Concen: 18.666 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 77 Resp: 71251

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



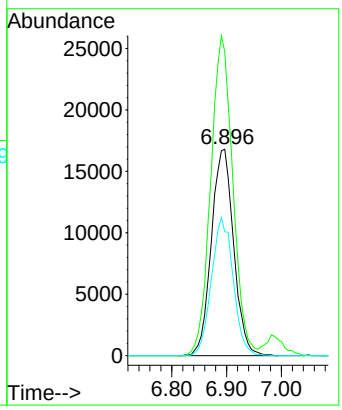


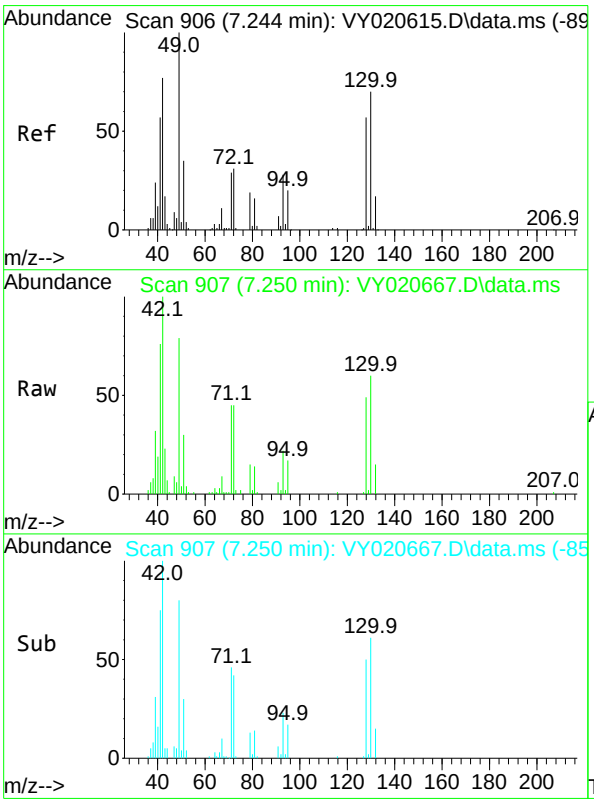
#27
cis-1,2-Dichloroethene
Concen: 19.017 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

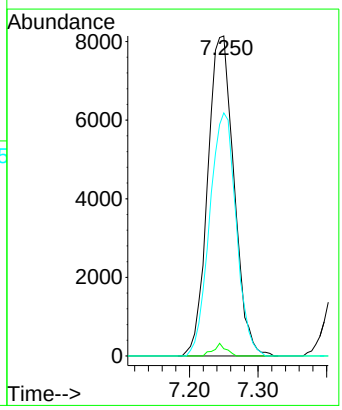


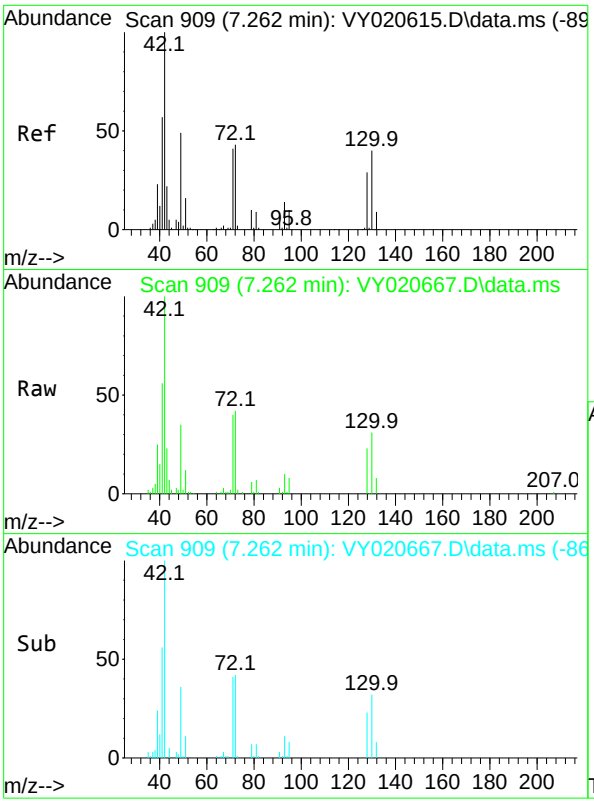


#28
Bromochloromethane
Concen: 15.896 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



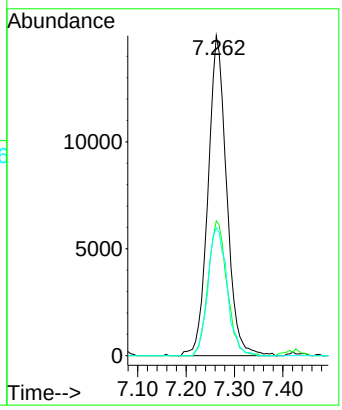


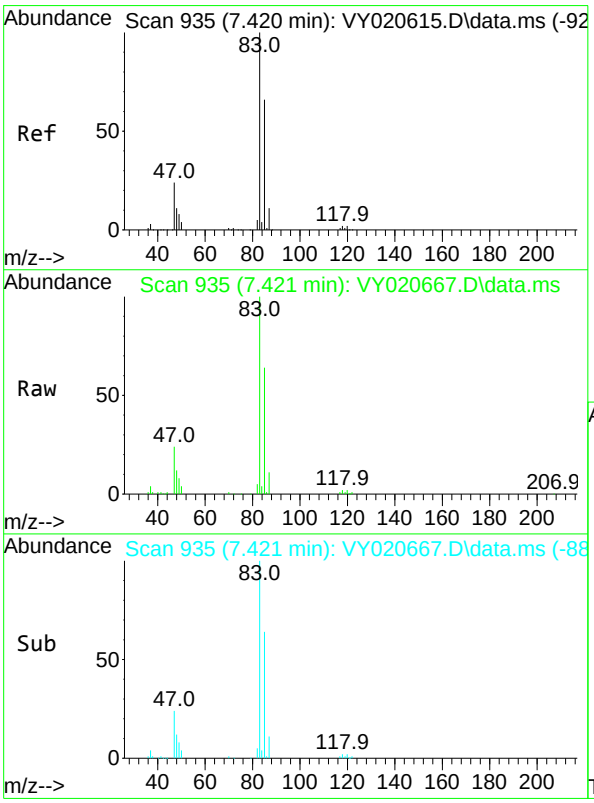
#29
Tetrahydrofuran
Concen: 100.545 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

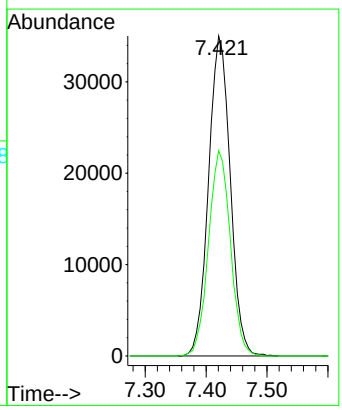


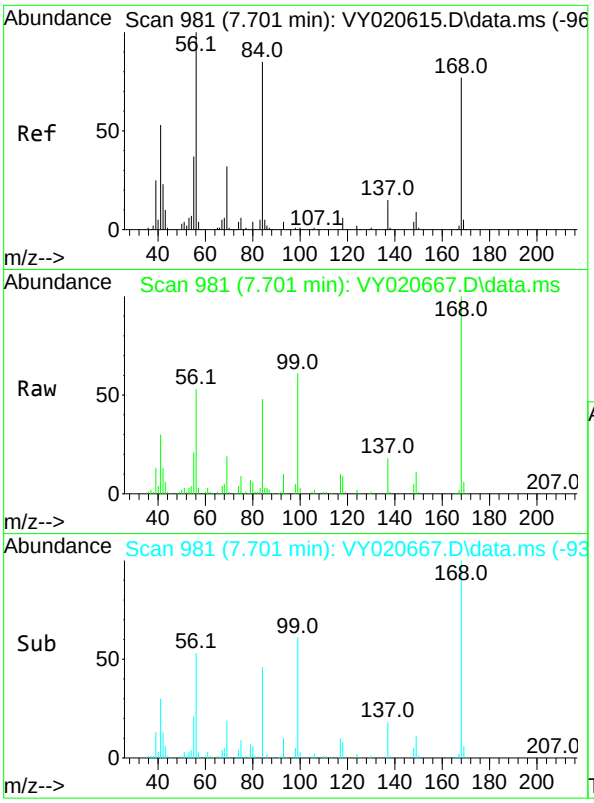


#30
Chloroform
Concen: 18.008 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 83 Resp: 86753

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.7	79.1



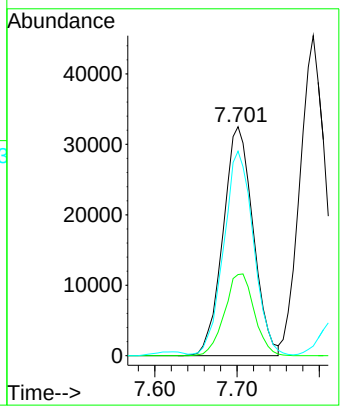


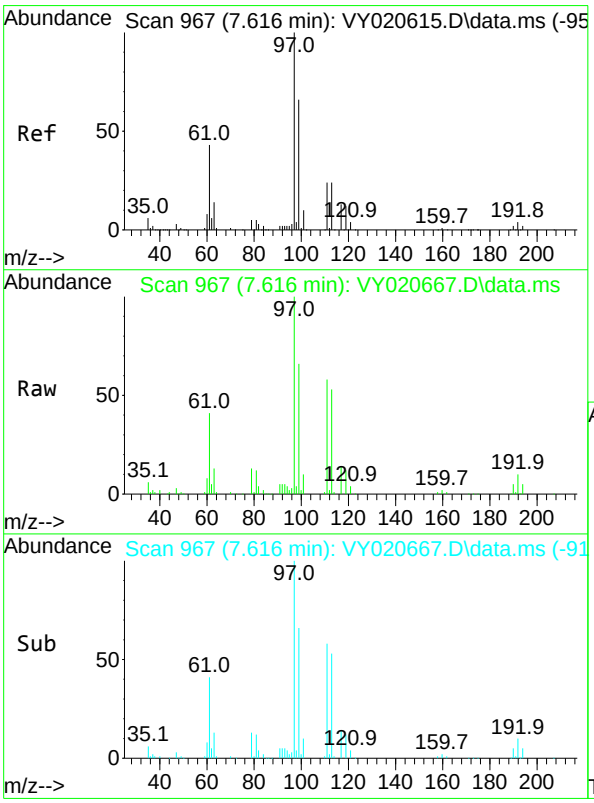
#31
Cyclohexane
Concen: 21.435 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

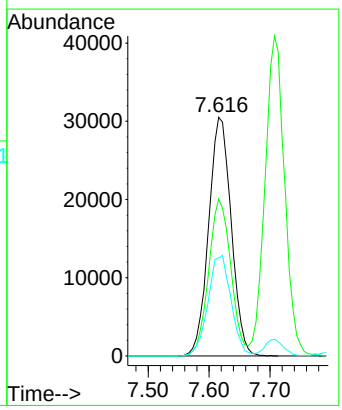


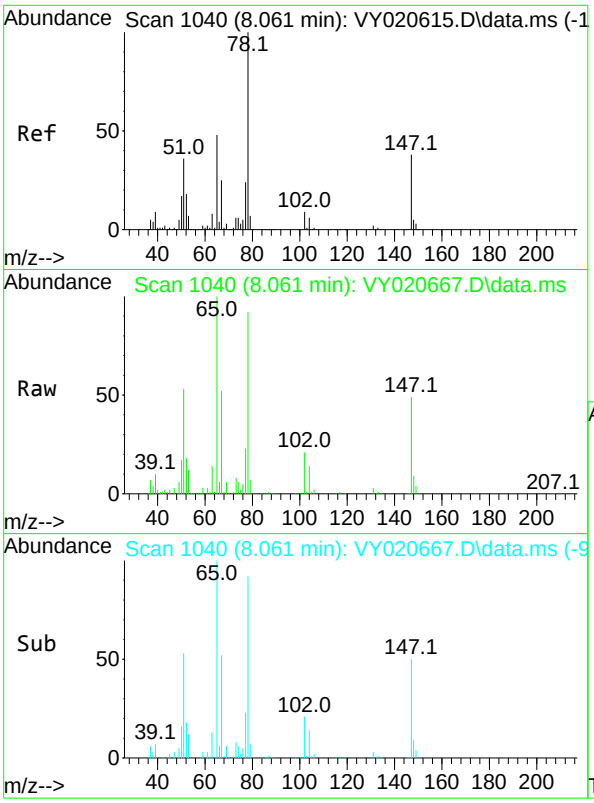


#32
1,1,1-Trichloroethane
Concen: 21.184 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



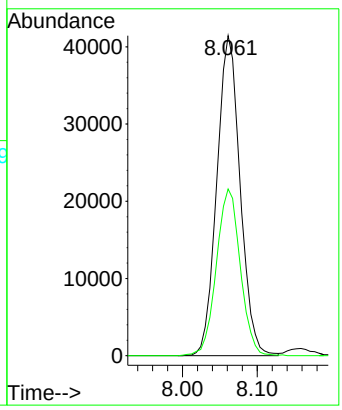


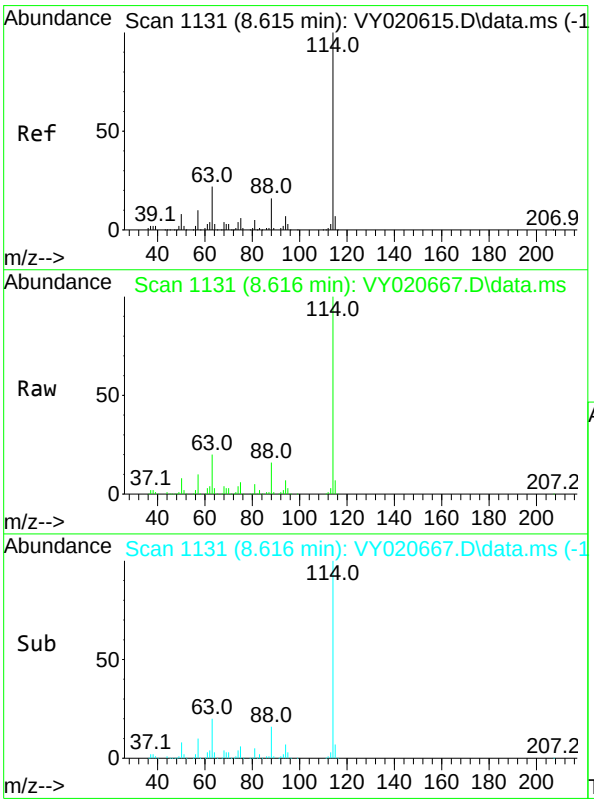
#33
1,2-Dichloroethane-d4
Concen: 53.026 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 65 Resp: 89782

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.0

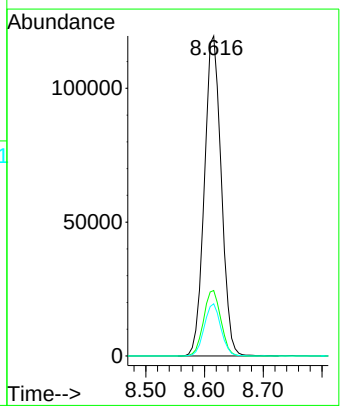


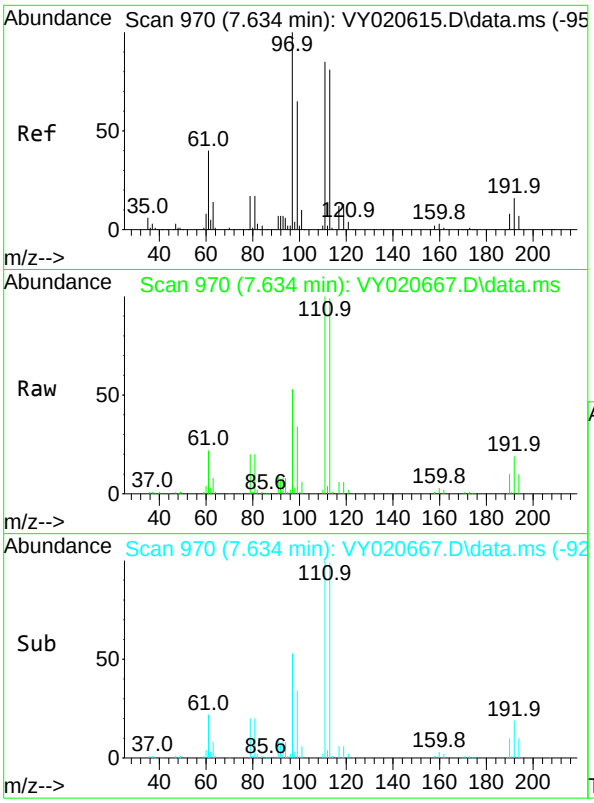


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



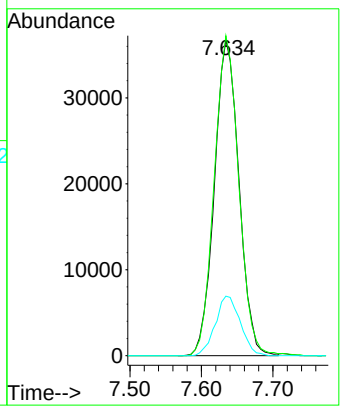


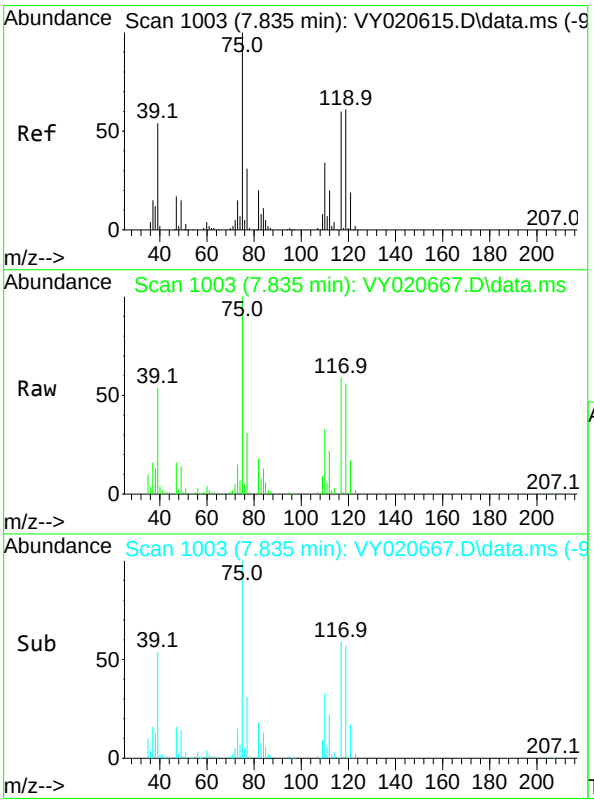
#35
Dibromofluoromethane
Concen: 51.973 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

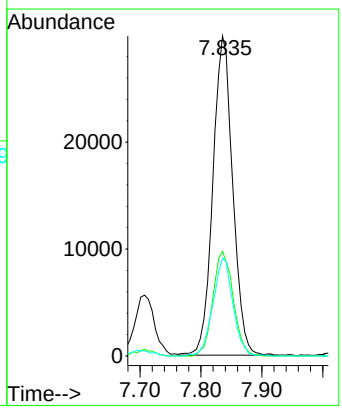


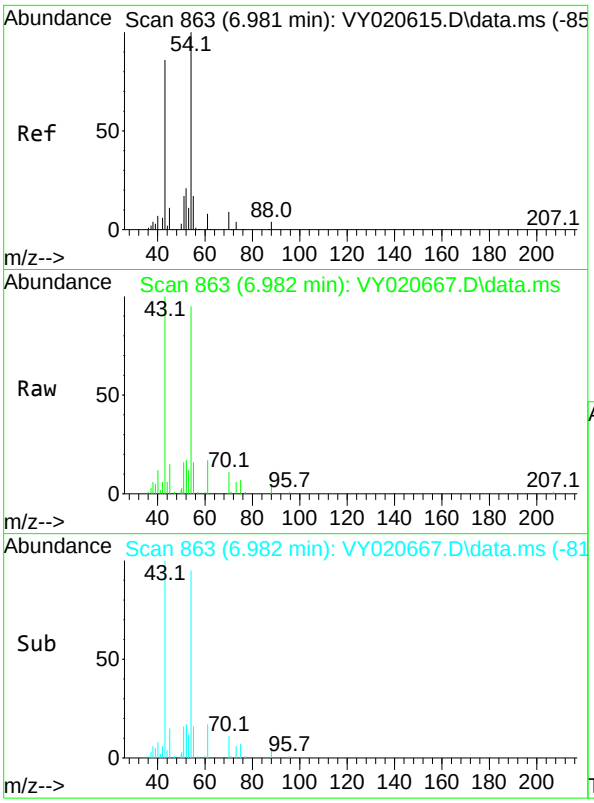


#36
1,1-Dichloropropene
Concen: 22.021 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



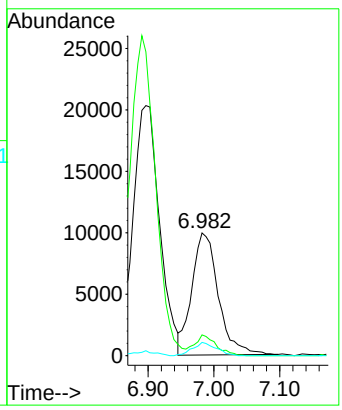


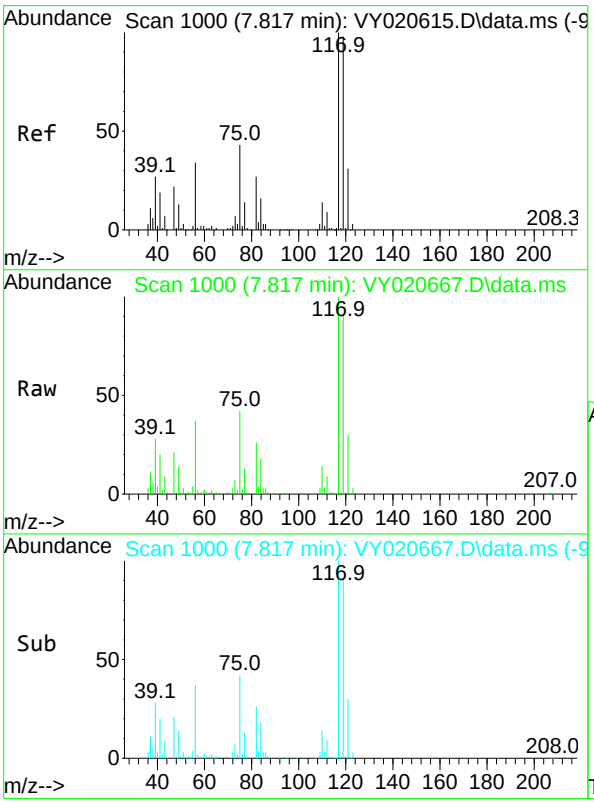
#37
Ethyl Acetate
Concen: 19.272 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

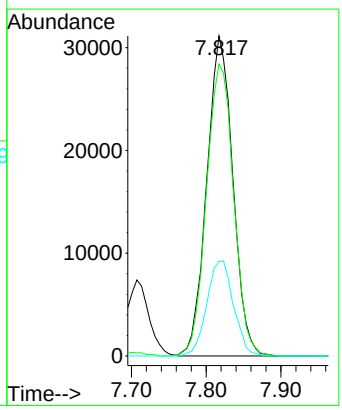


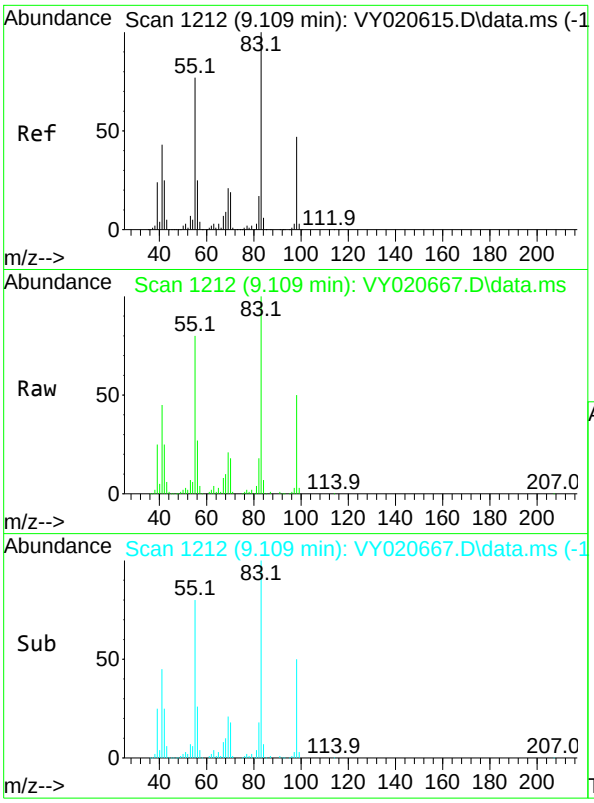


#38
Carbon Tetrachloride
Concen: 22.231 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



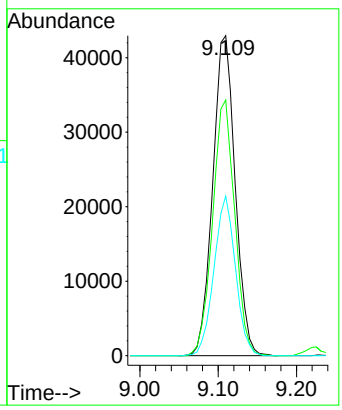


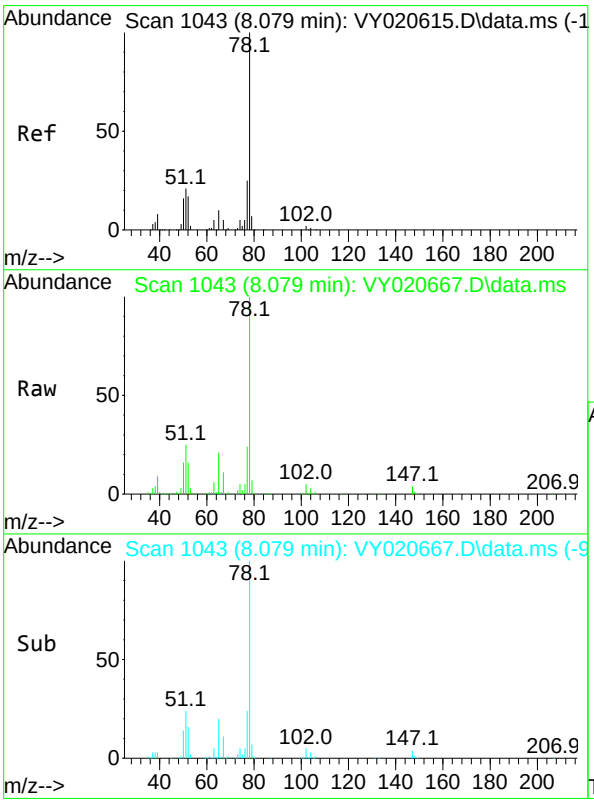
#39
Methylcyclohexane
Concen: 21.405 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

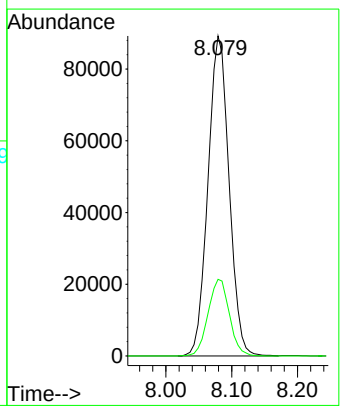


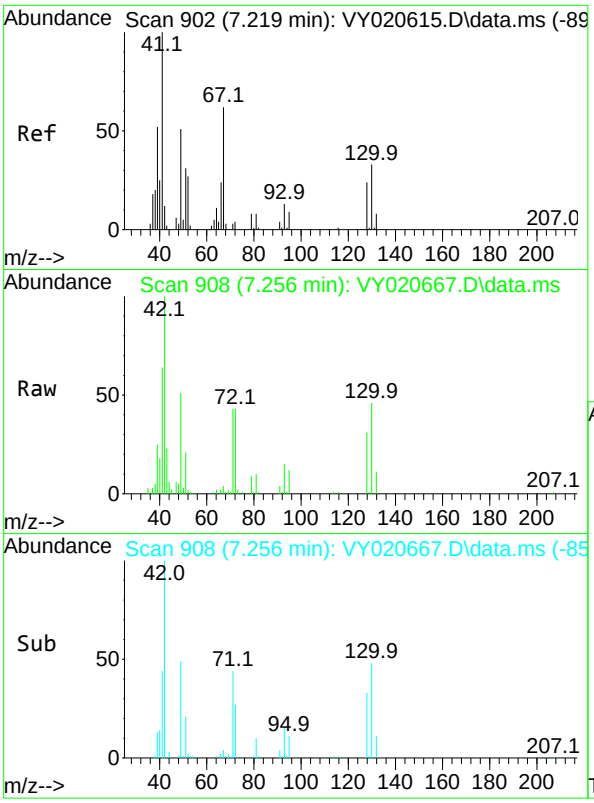


#40
Benzene
Concen: 22.121 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 78 Resp: 198978

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1



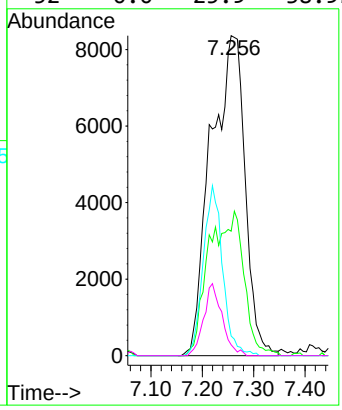


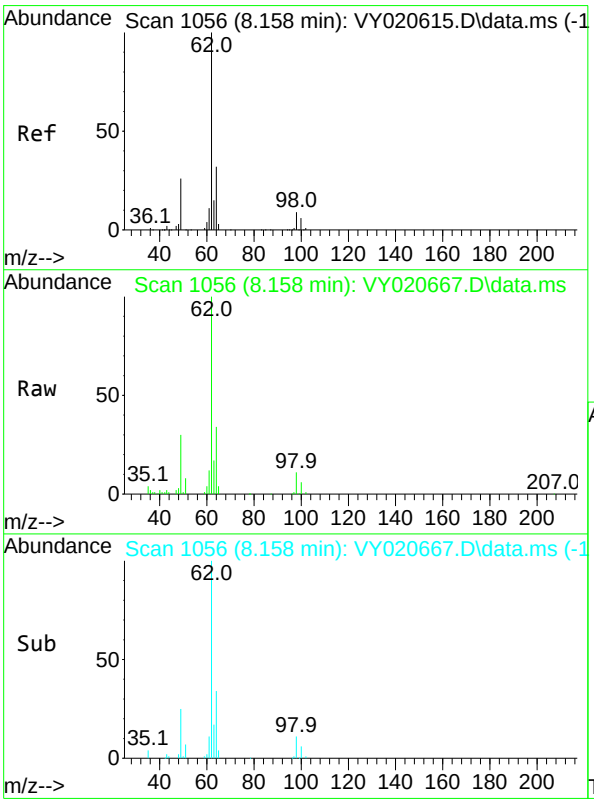
#41
Methacrylonitrile
Concen: 50.383 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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#

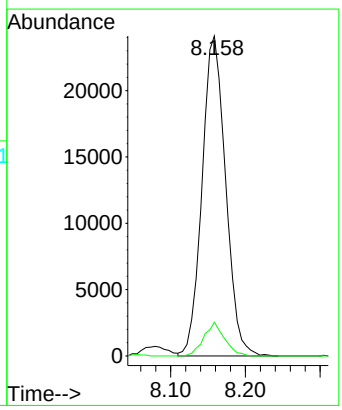


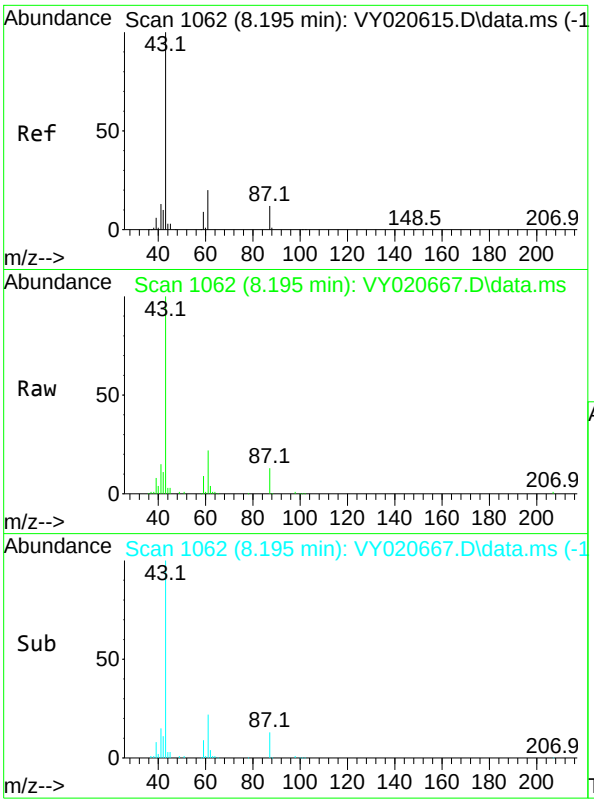


#42
1,2-Dichloroethane
Concen: 22.128 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 62 Resp: 52790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



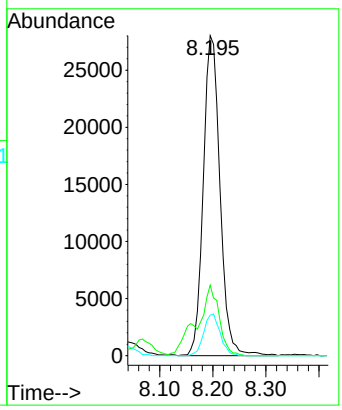


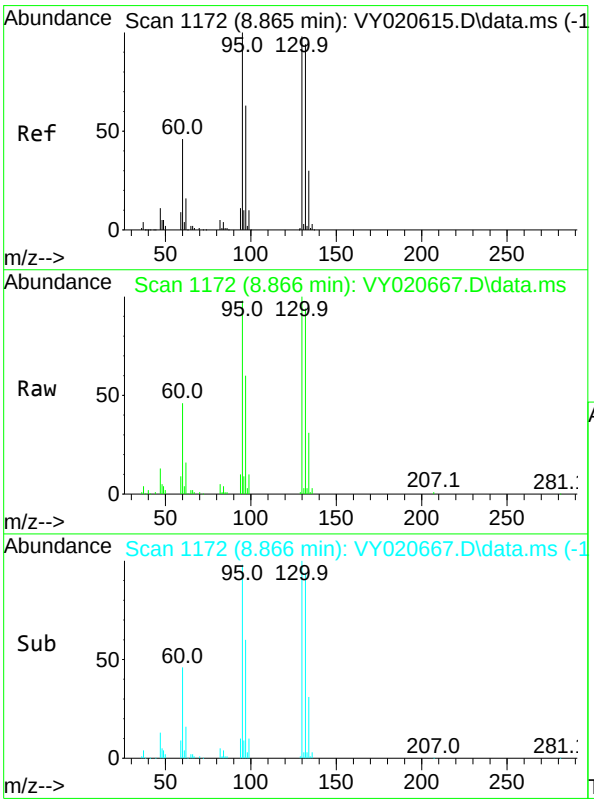
#43
Isopropyl Acetate
Concen: 22.464 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

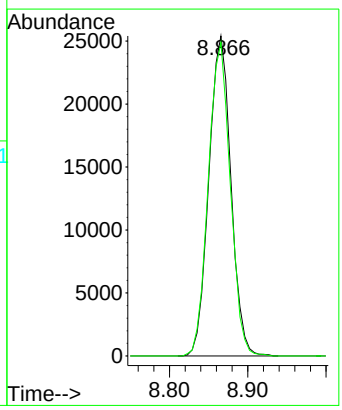


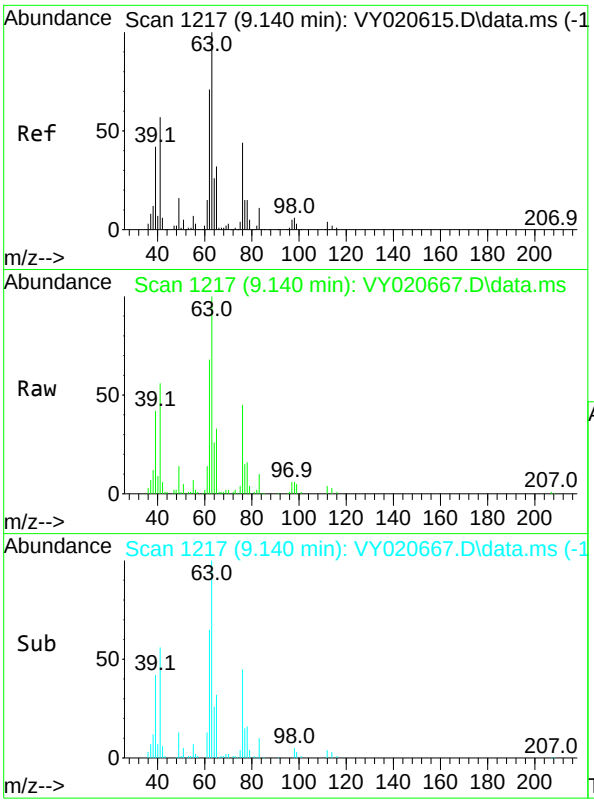


#44
Trichloroethene
Concen: 22.498 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:130 Resp: 49726

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	203.2



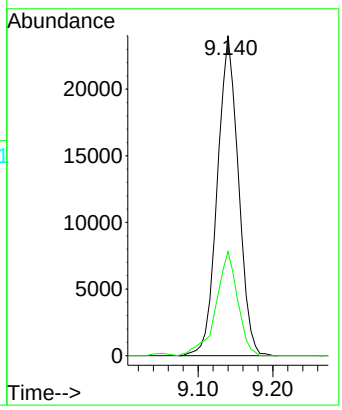


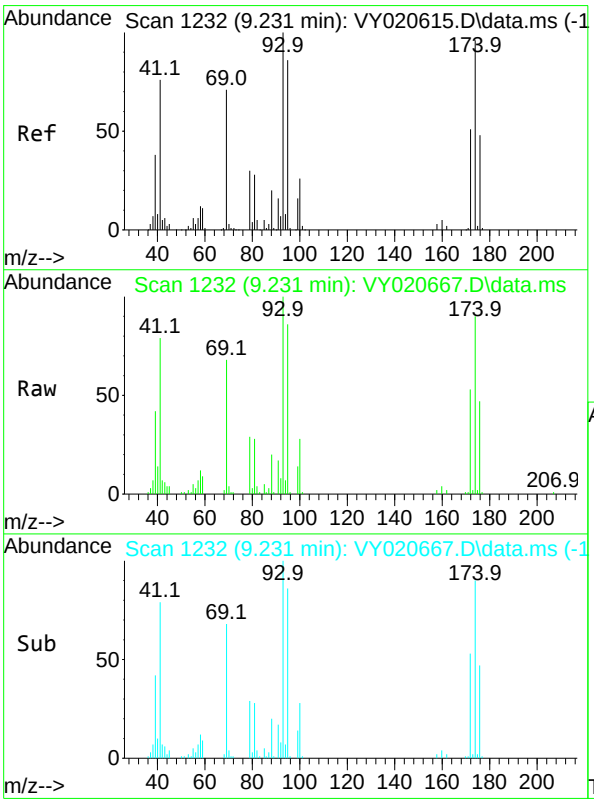
#45
1,2-Dichloropropane
Concen: 22.380 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 63 Resp: 47049

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

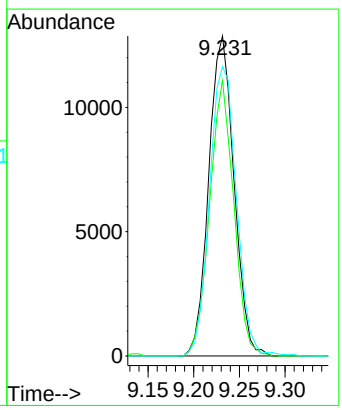


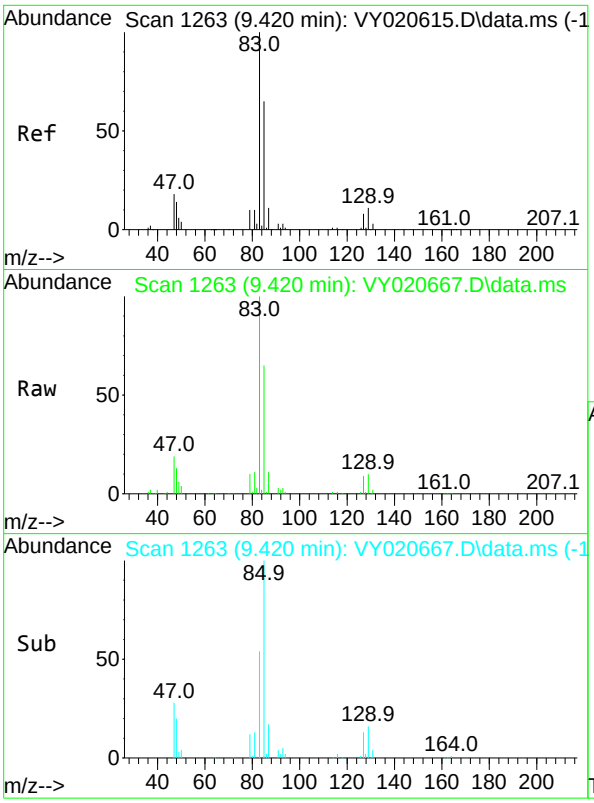


#46
Dibromomethane
Concen: 22.268 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



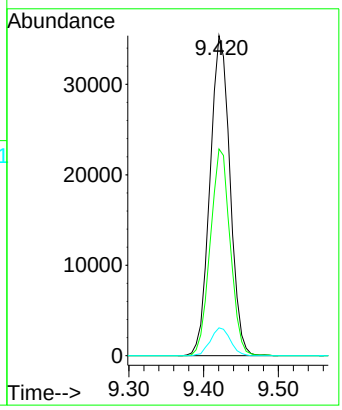


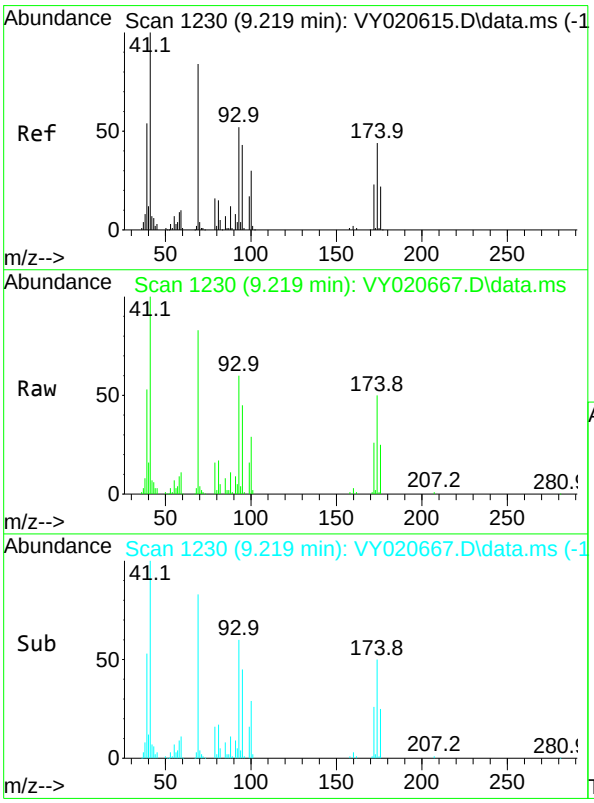
#47
Bromodichloromethane
Concen: 21.970 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

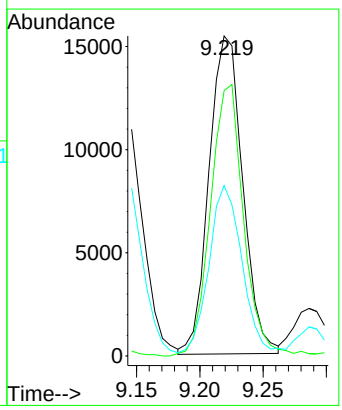


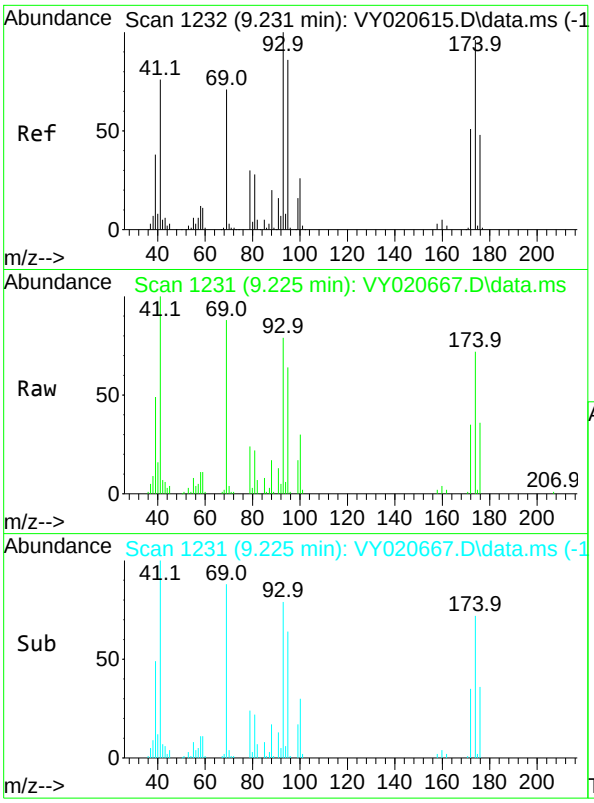


#48
Methyl methacrylate
Concen: 21.949 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



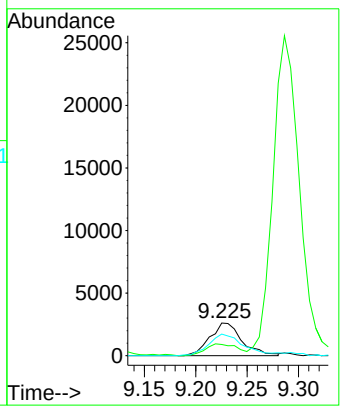


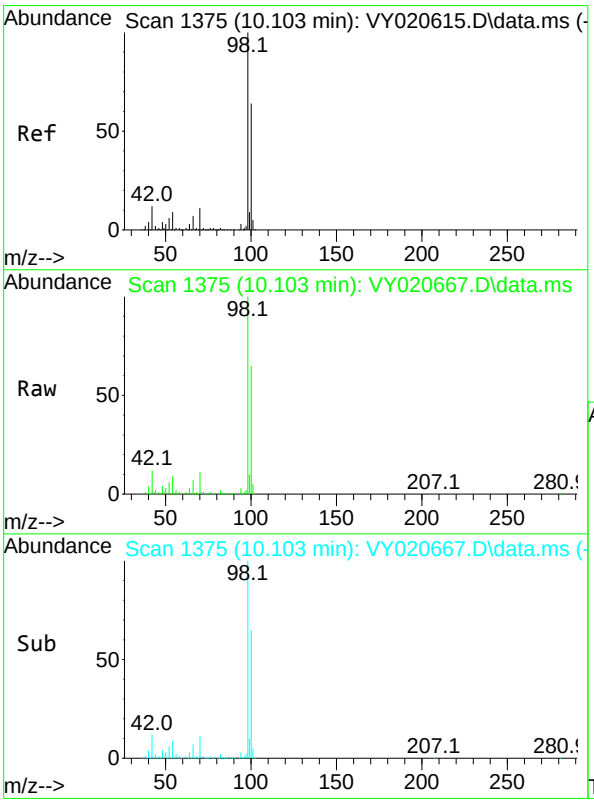
#49
1,4-Dioxane
Concen: 443.123 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

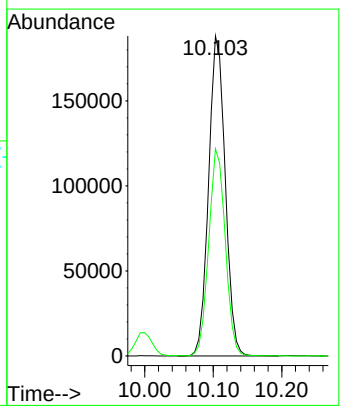


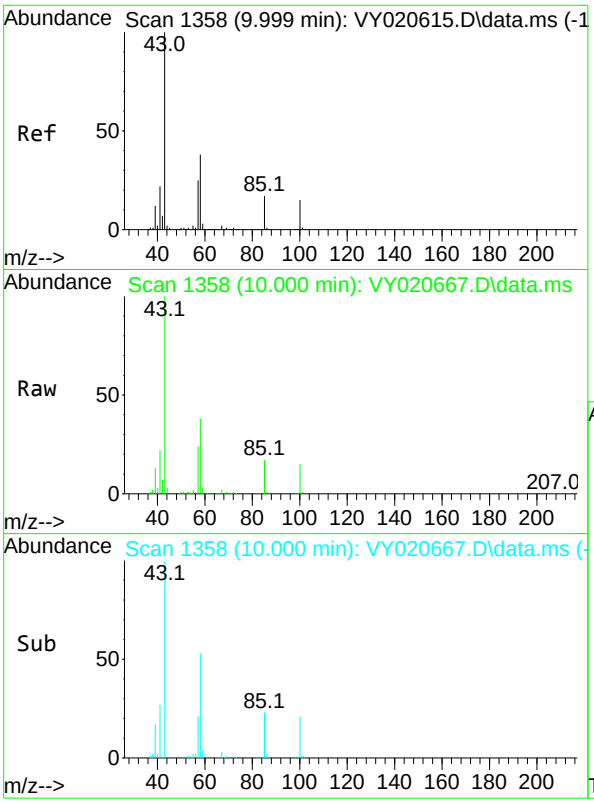


#50
Toluene-d8
Concen: 53.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 98 Resp: 317644

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



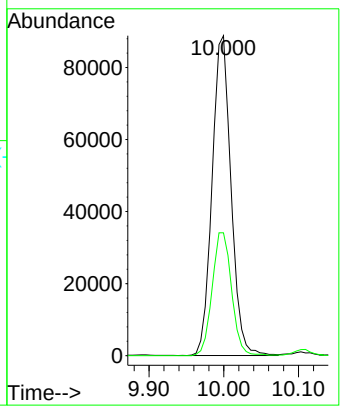


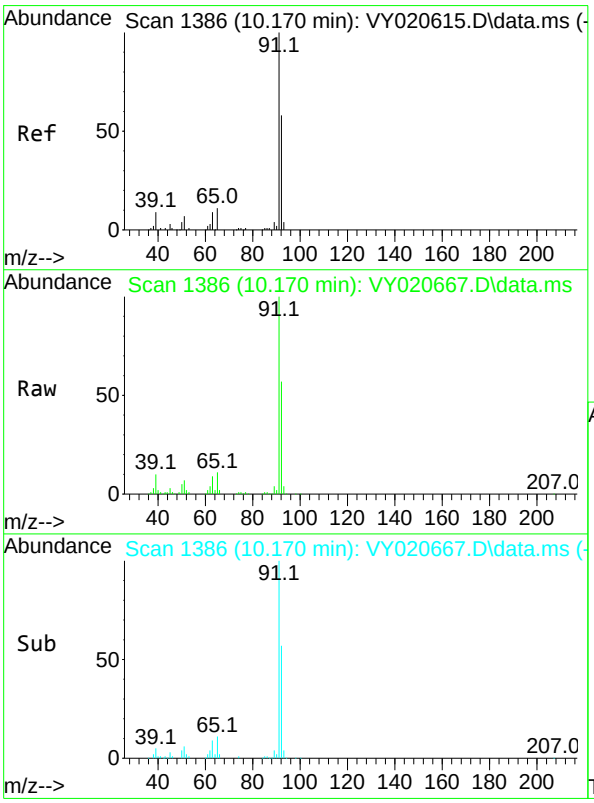
#51
4-Methyl-2-Pentanone
Concen: 108.373 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 156324

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.4	47.2

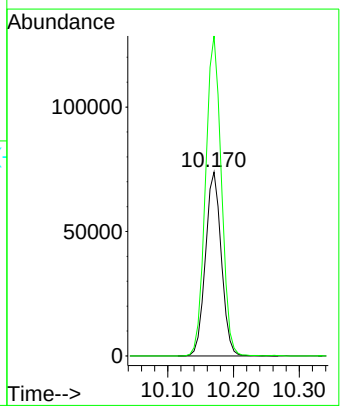


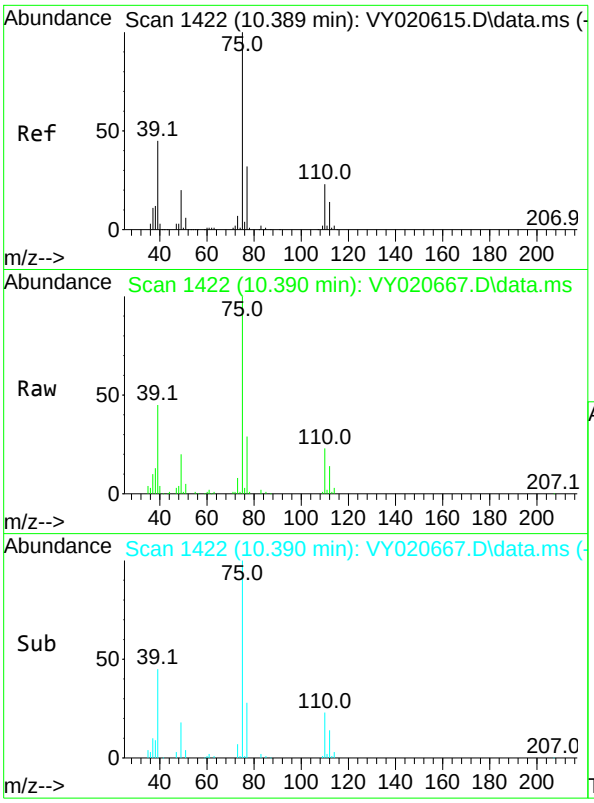


#52
Toluene
Concen: 22.124 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 92 Resp: 123673

Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.4	206.0



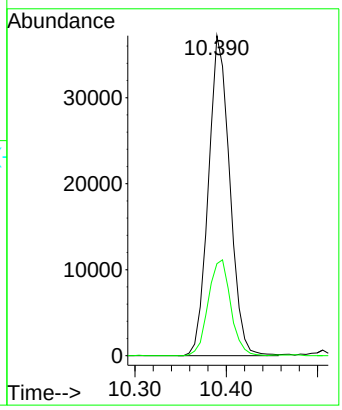


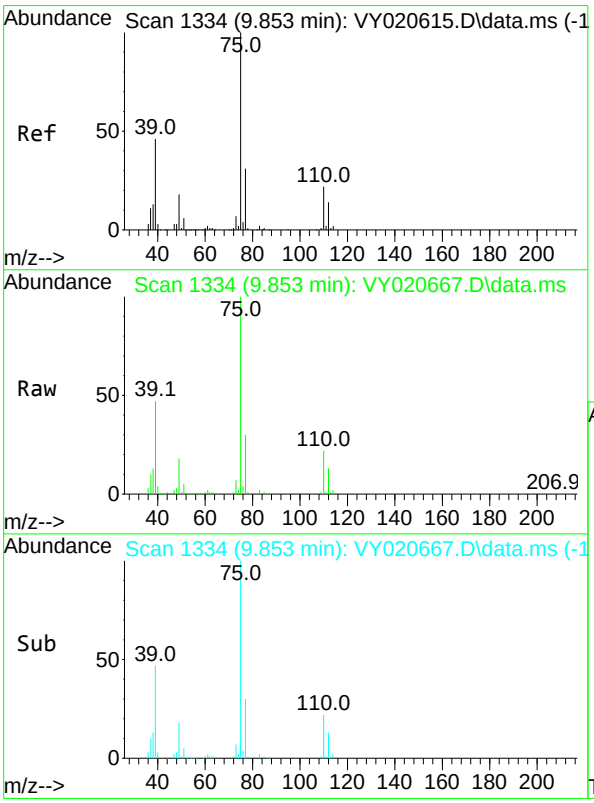
#53
t-1,3-Dichloropropene
Concen: 21.605 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 75 Resp: 60417

Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.4	38.2

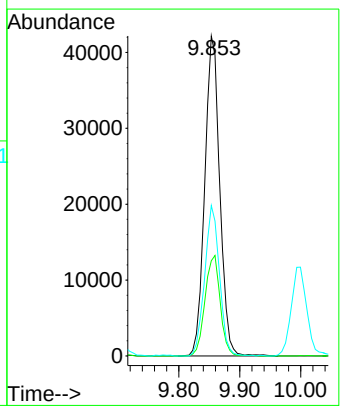


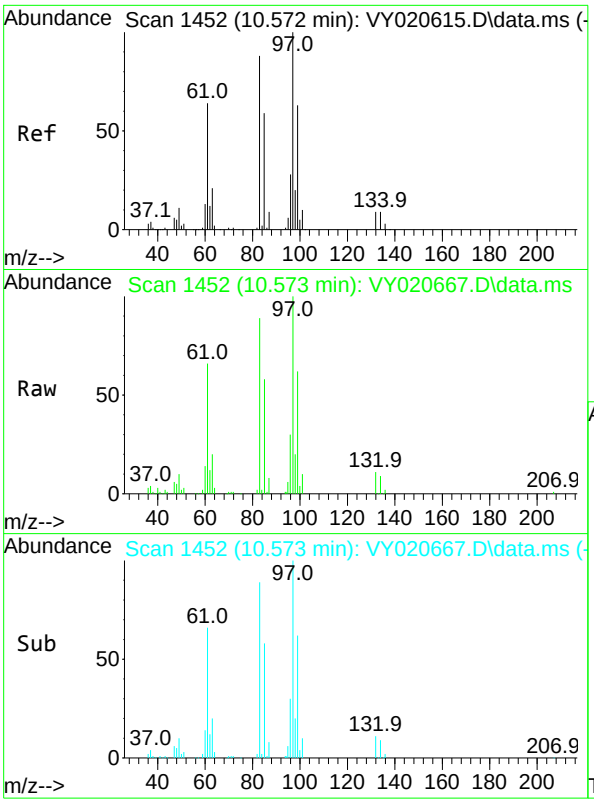


#54
cis-1,3-Dichloropropene
Concen: 21.830 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



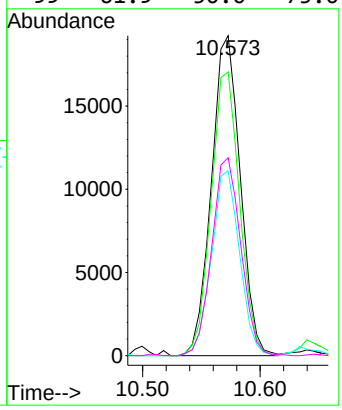


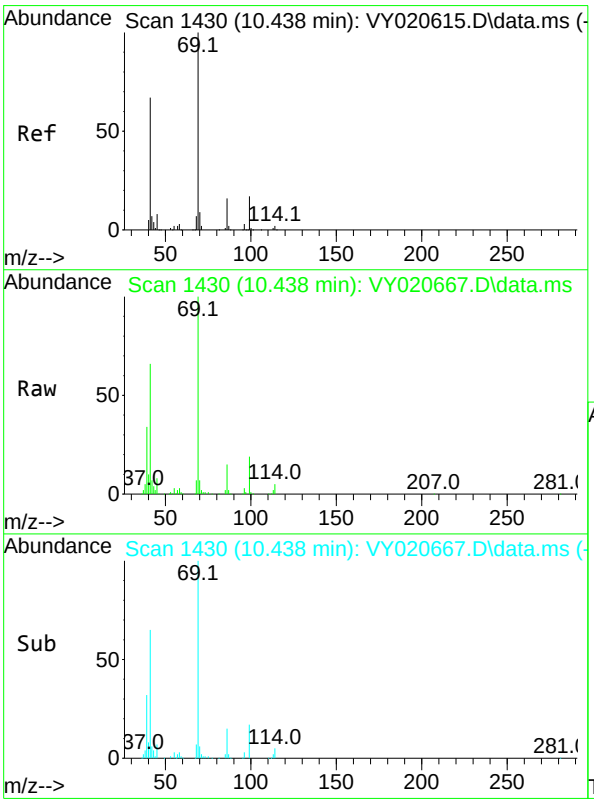
#55
1,1,2-Trichloroethane
Concen: 22.365 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

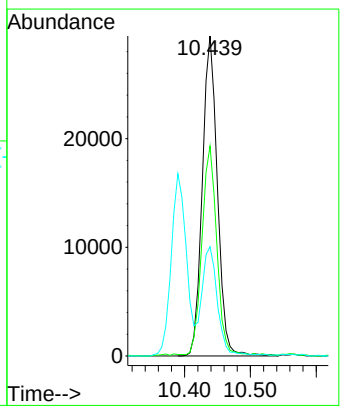


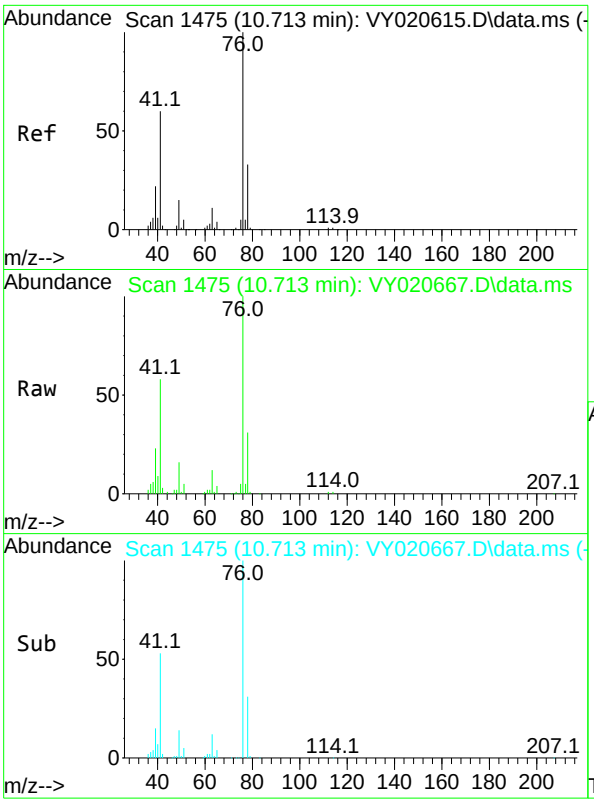


#56
Ethyl methacrylate
Concen: 22.024 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



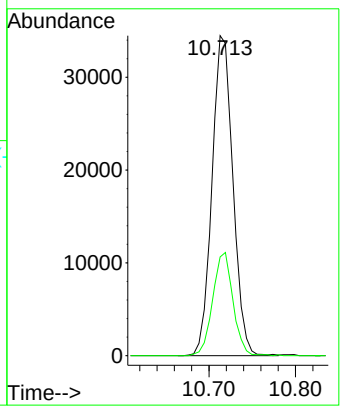


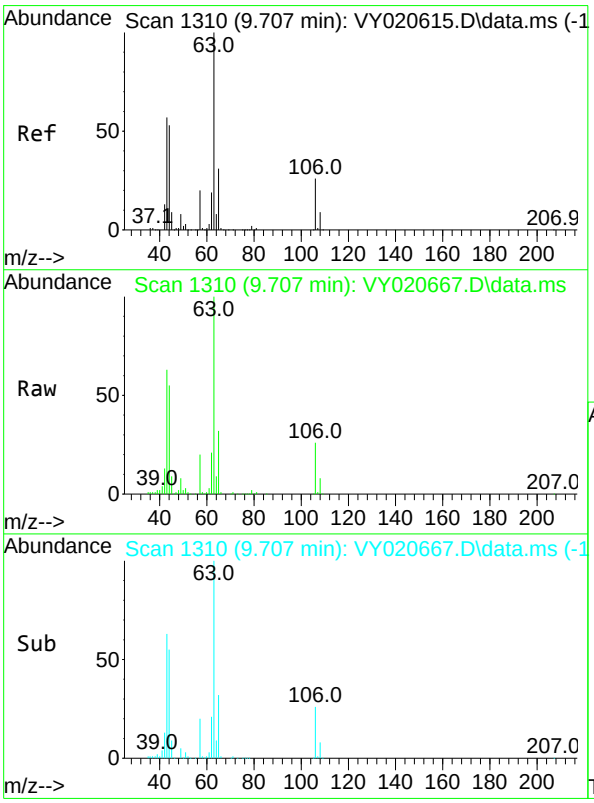
#57
1,3-Dichloropropane
Concen: 22.103 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 76 Resp: 57877

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

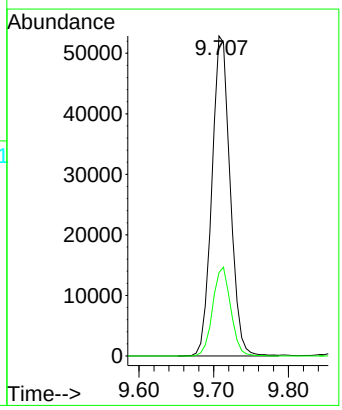


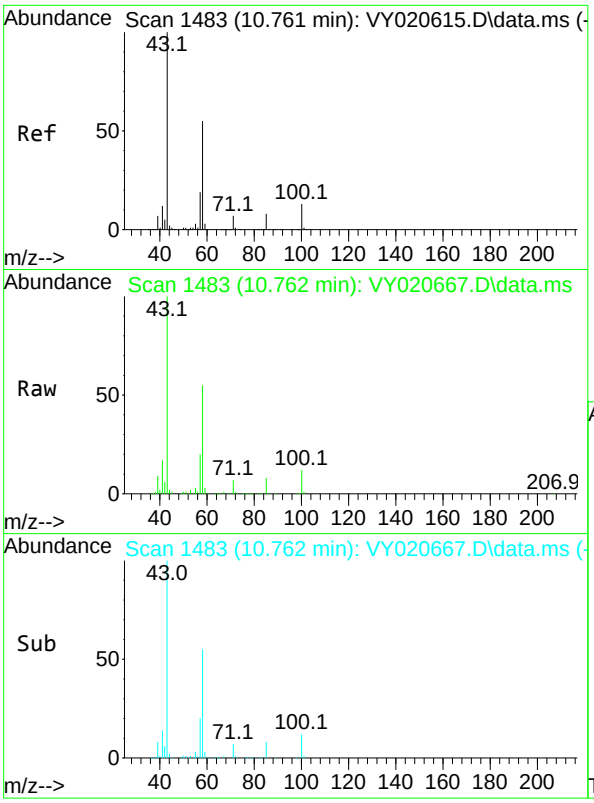


#58
2-Chloroethyl Vinyl ether
Concen: 100.257 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 63 Resp: 89896

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



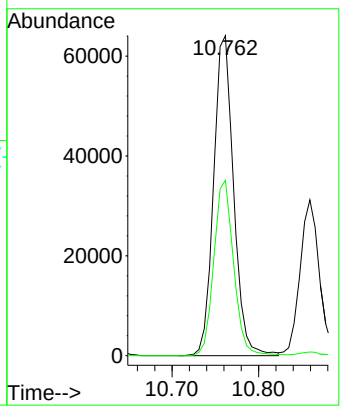


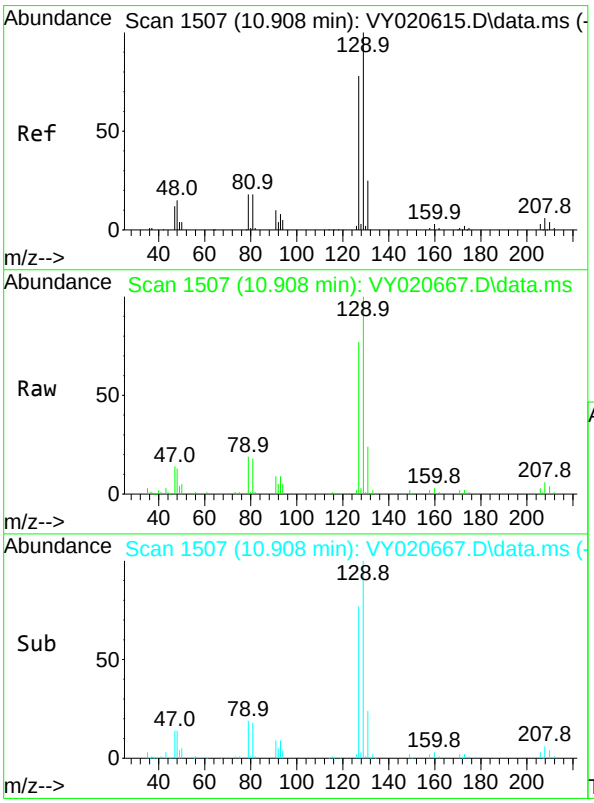
#59
2-Hexanone
Concen: 111.052 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 102848

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.6

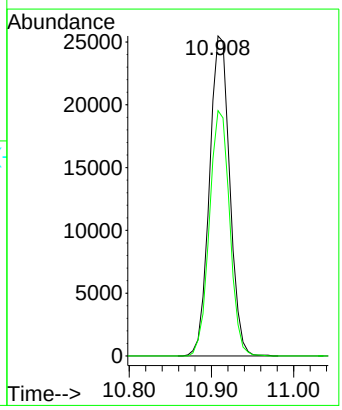


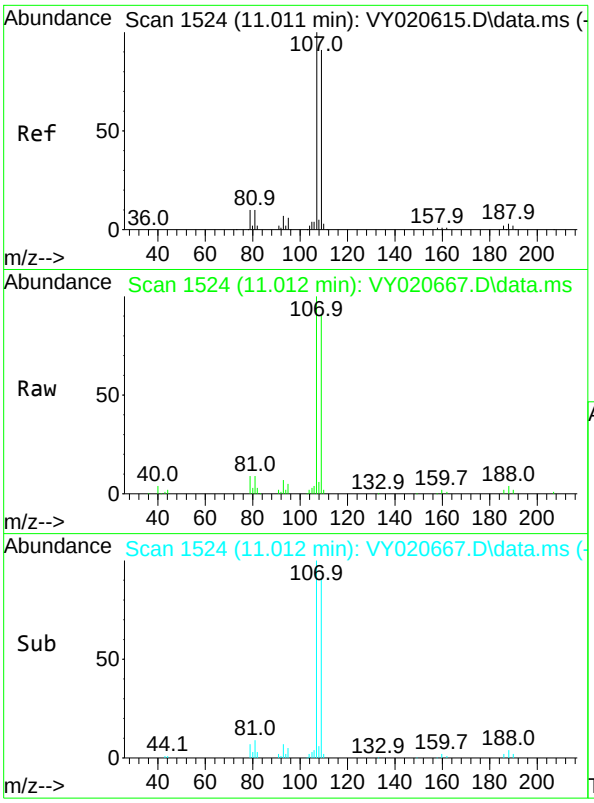


#60
Dibromochloromethane
Concen: 22.179 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:129 Resp: 43570

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3



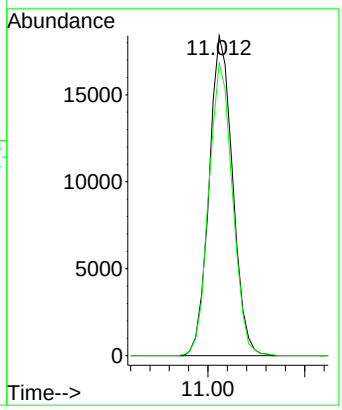


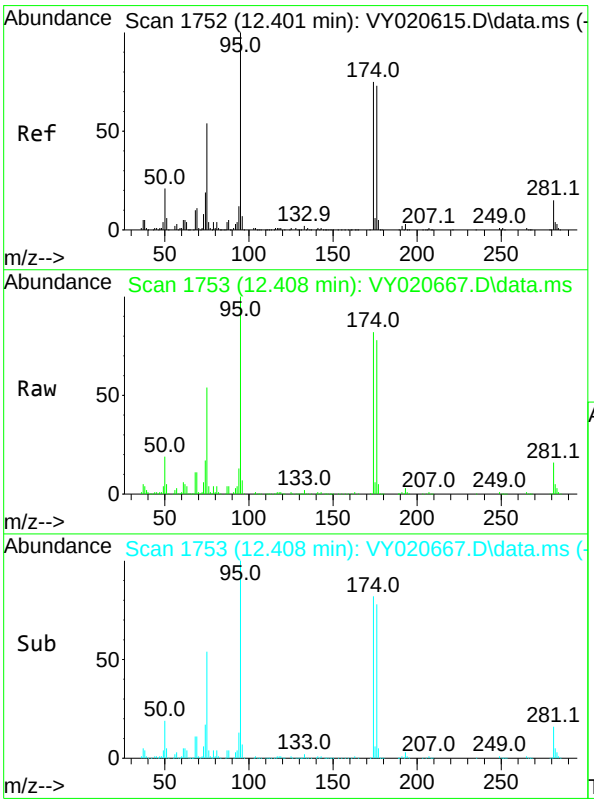
#61
1,2-Dibromoethane
Concen: 22.750 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:107 Resp: 31084

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2

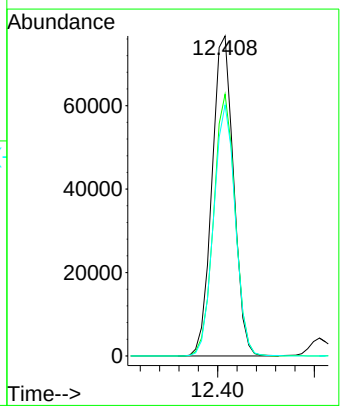


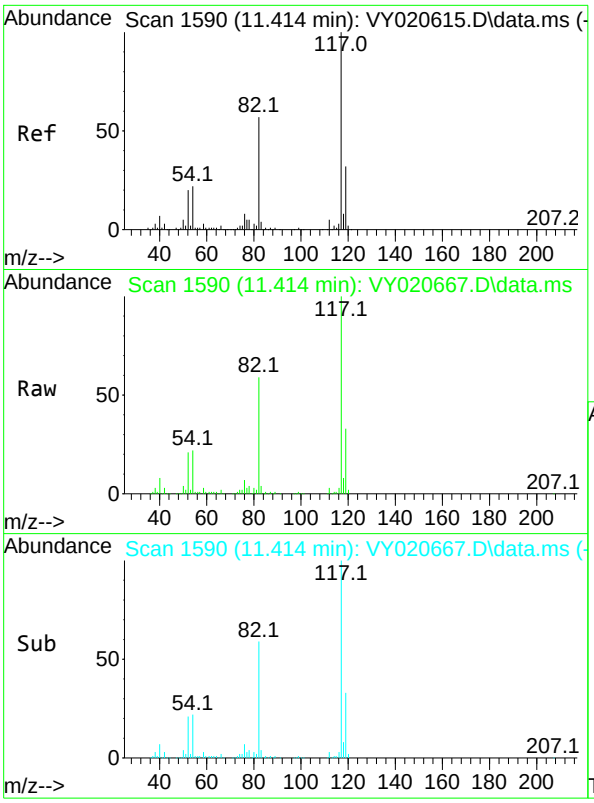


#62
4-Bromofluorobenzene
Concen: 51.581 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



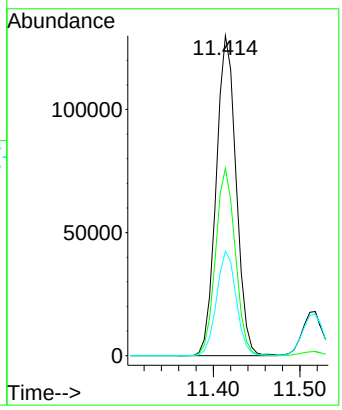


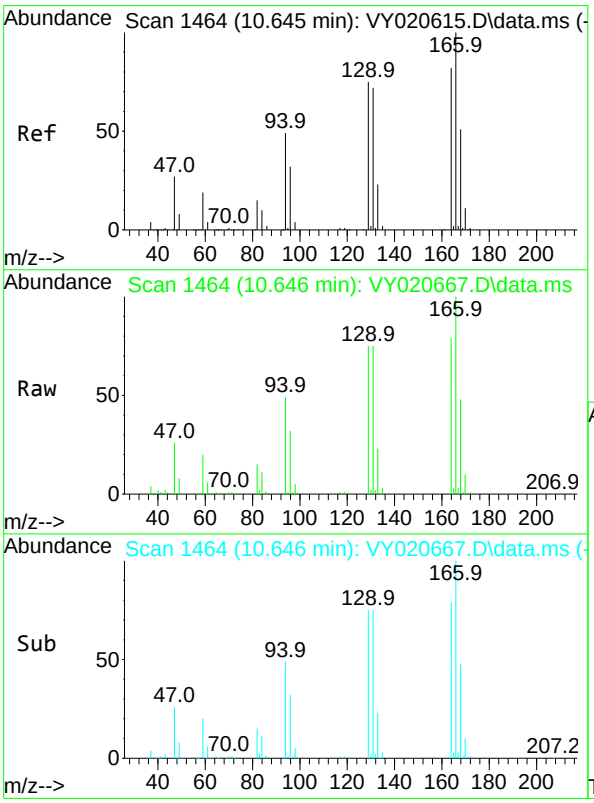
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

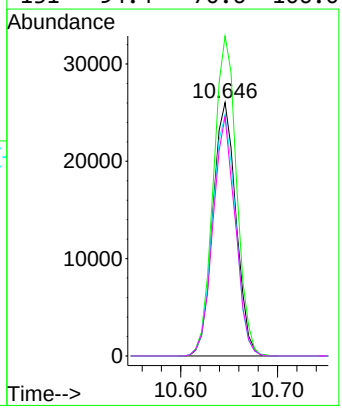


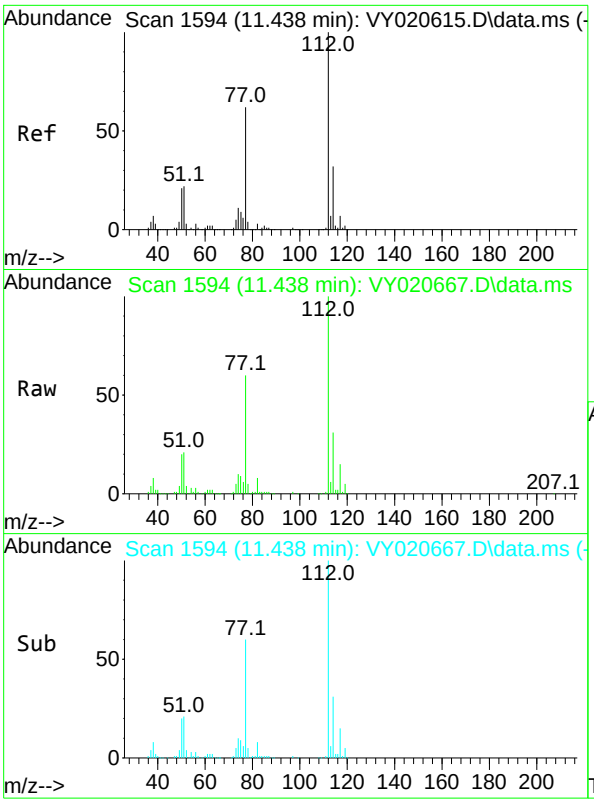


#64
Tetrachloroethene
Concen: 22.078 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



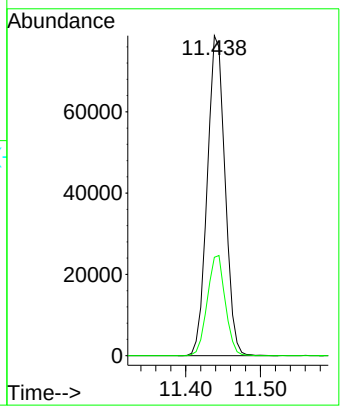


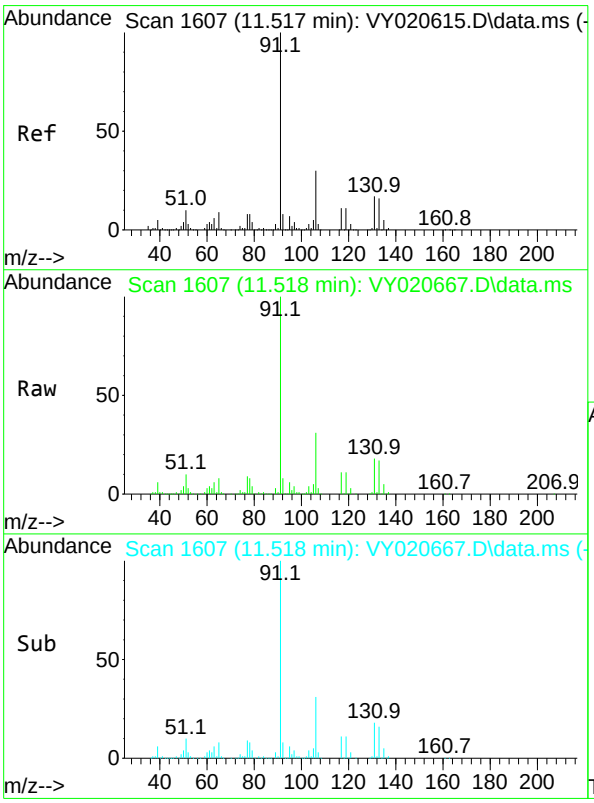
#65
Chlorobenzene
Concen: 22.358 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:112 Resp: 129936

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

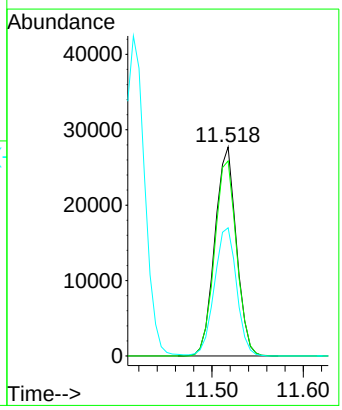


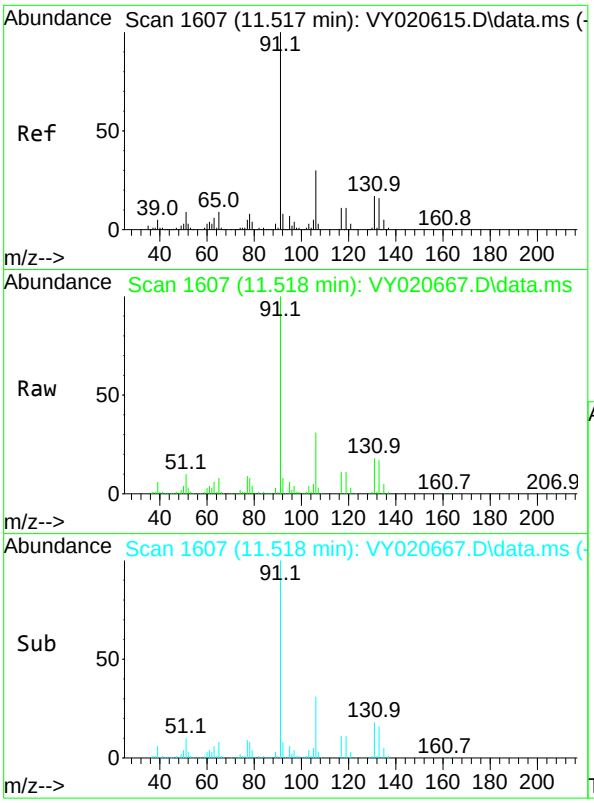


#66
1,1,1,2-Tetrachloroethane
Concen: 22.826 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



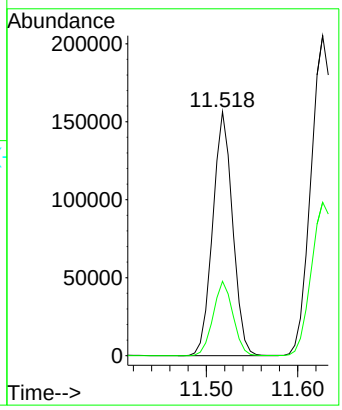


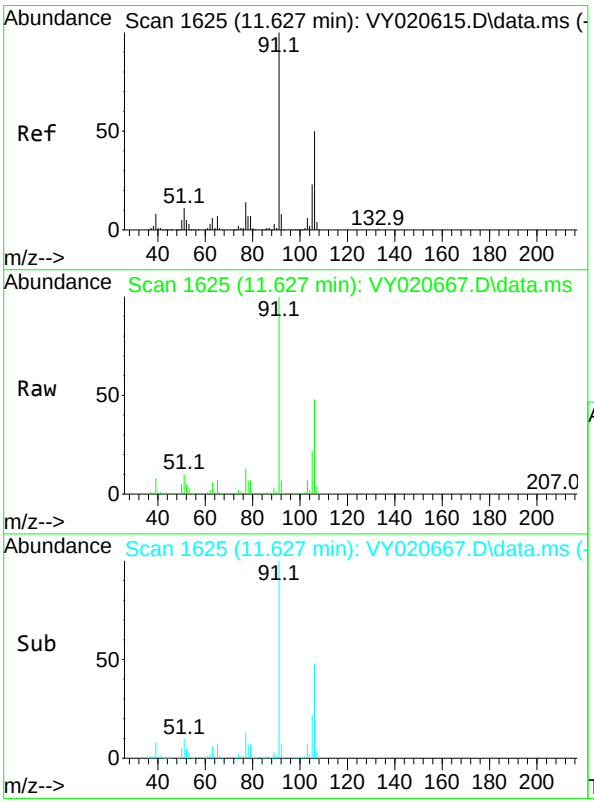
#67
Ethyl Benzene
Concen: 22.074 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 91 Resp: 236674

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

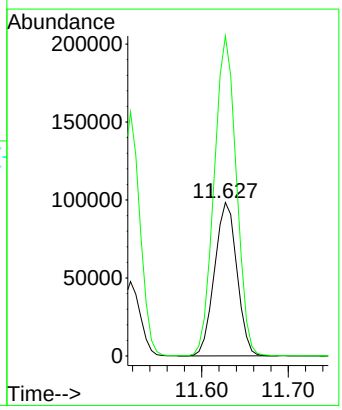


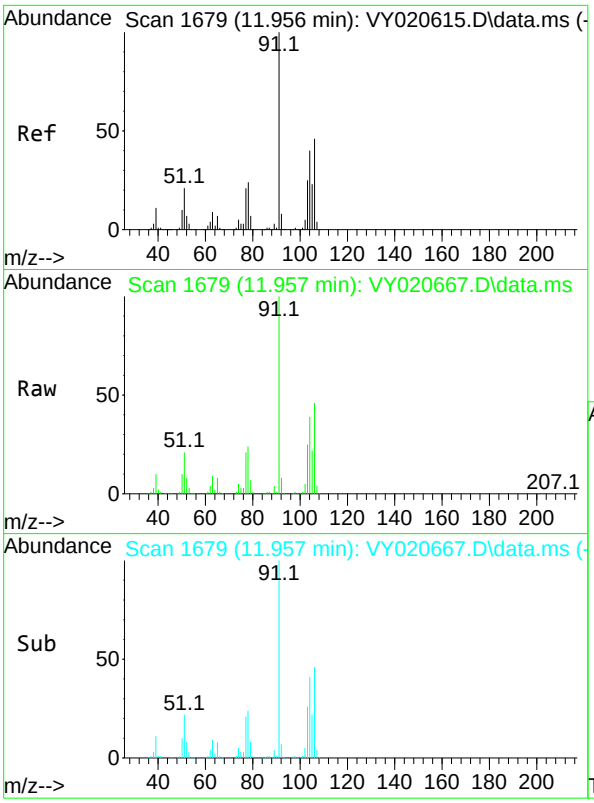


#68
m/p-Xylenes
Concen: 44.301 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:106 Resp: 176607

Ion	Ratio	Lower	Upper
106	100		
91	207.0	165.0	247.4



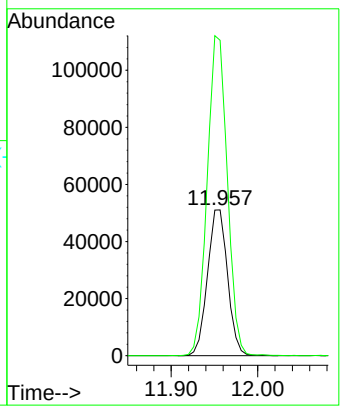


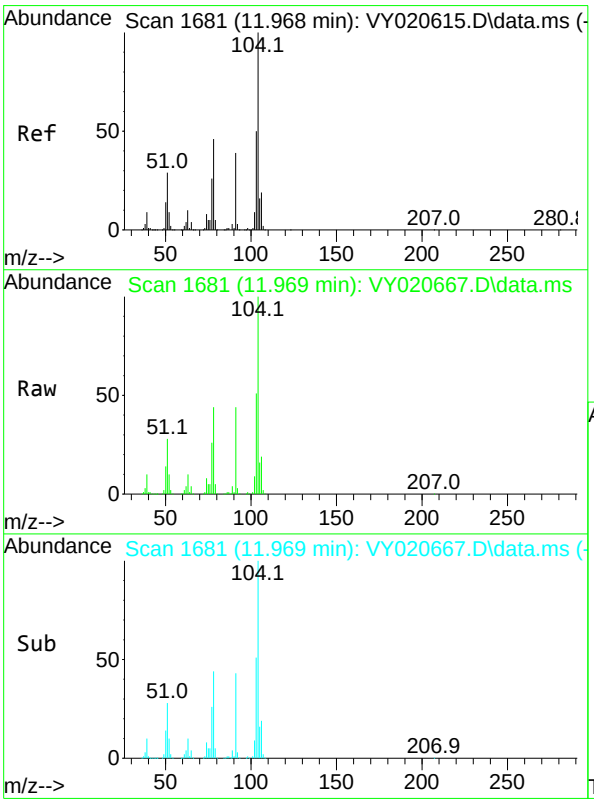
#69
o-Xylene
Concen: 22.127 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:106 Resp: 82303

Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.4	325.2

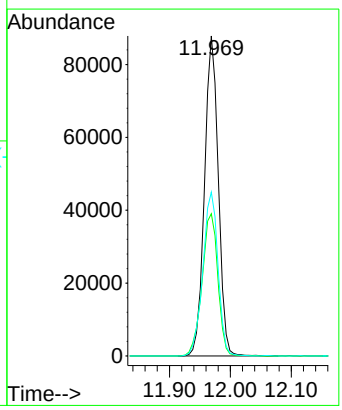


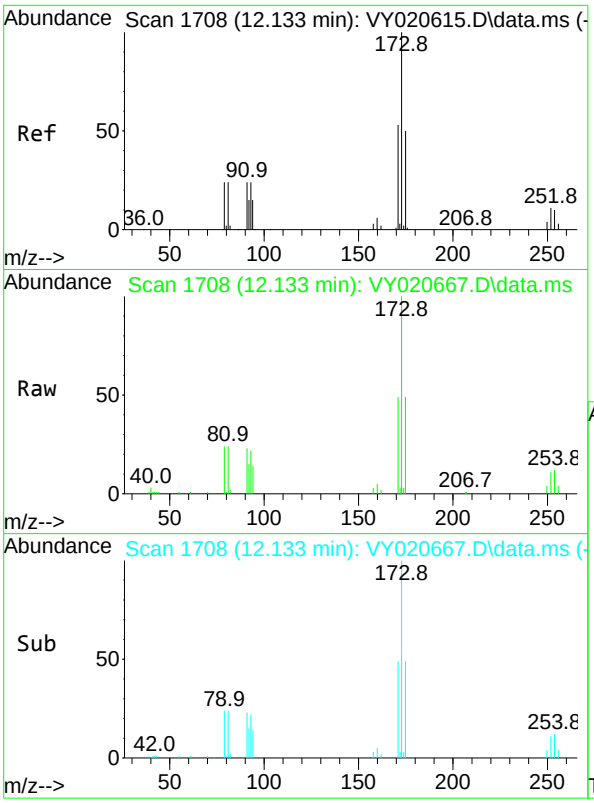


#70
Styrene
Concen: 22.284 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



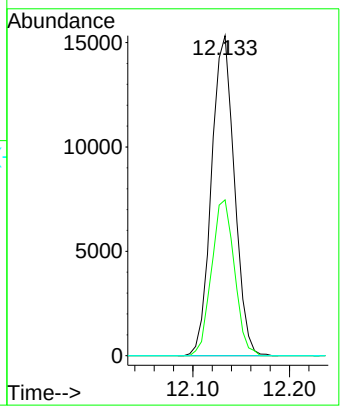


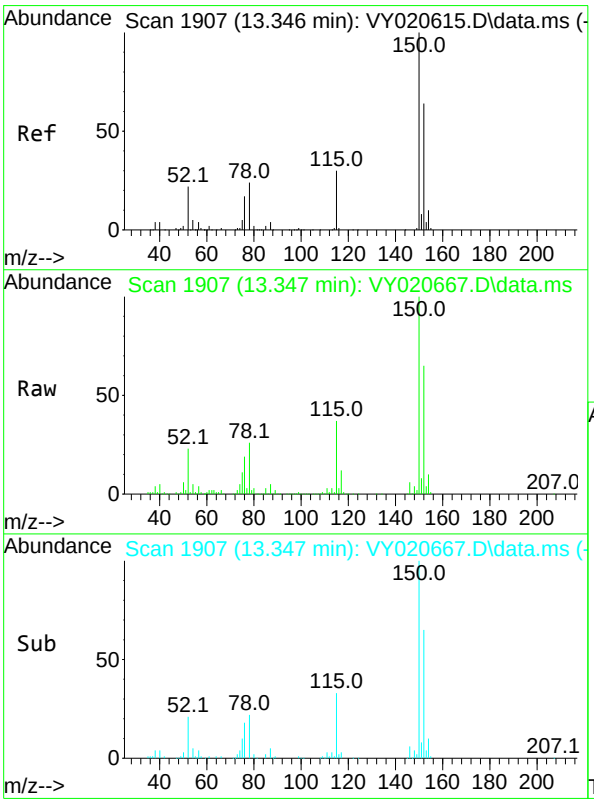
#71
Bromoform
Concen: 22.556 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

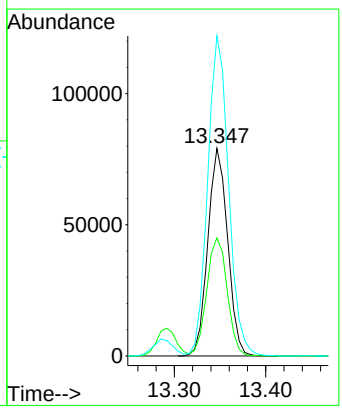


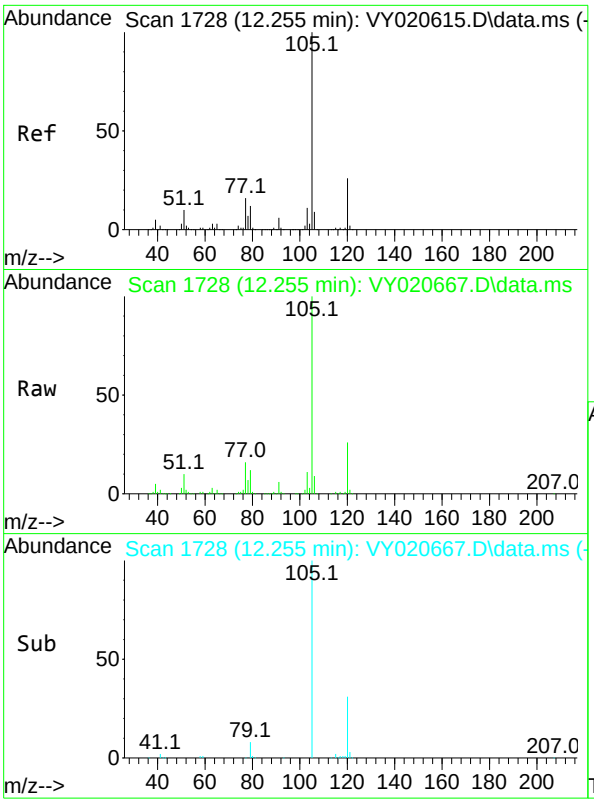


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



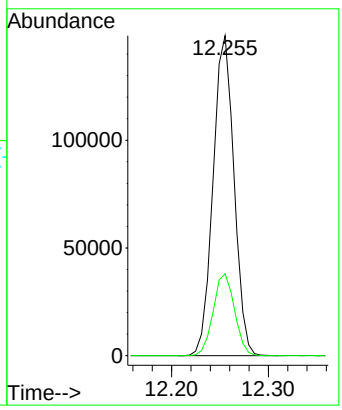


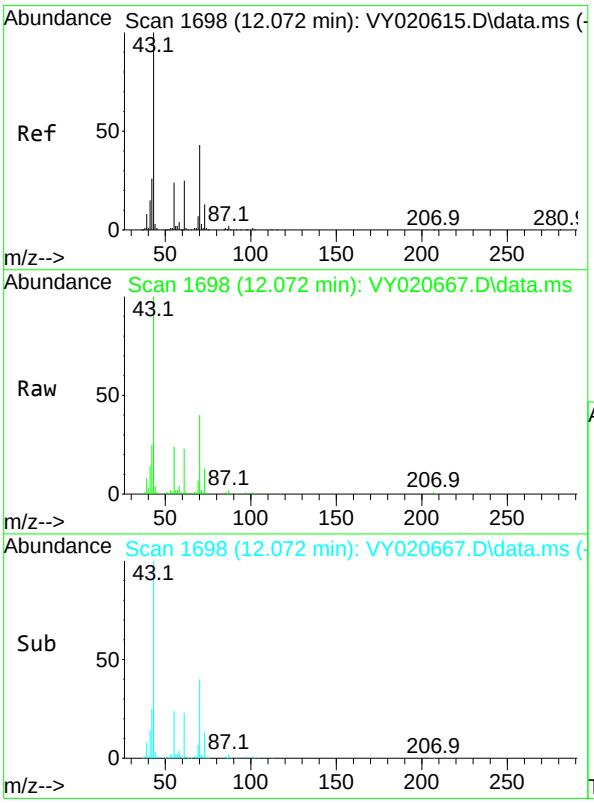
#73
Isopropylbenzene
Concen: 21.536 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:105 Resp: 223291

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

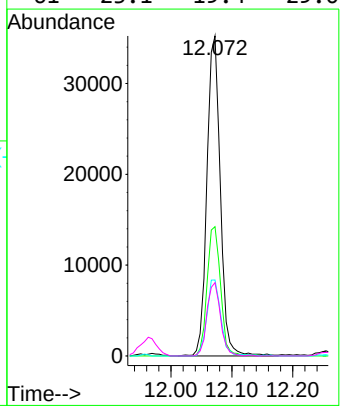


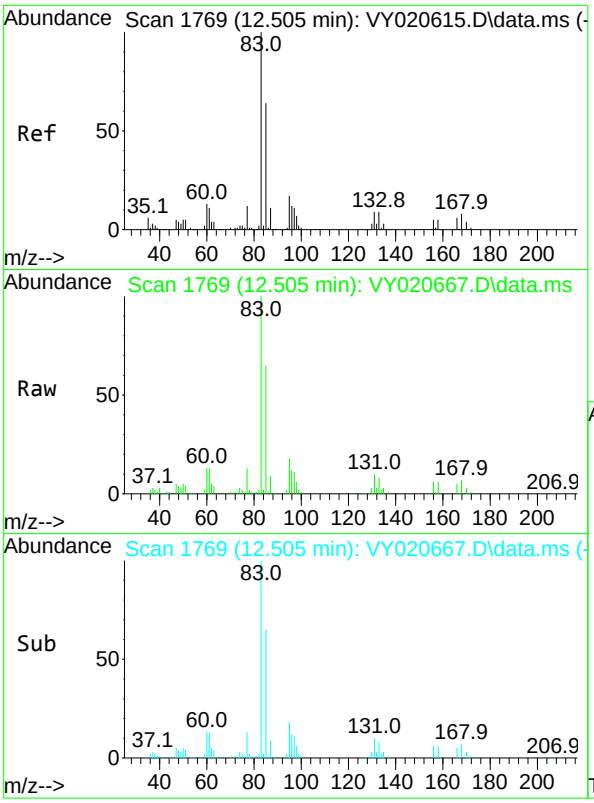


#74
N-amyl acetate
Concen: 22.269 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



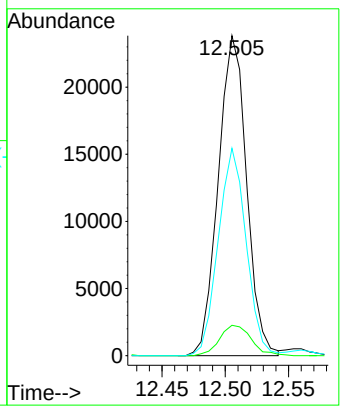


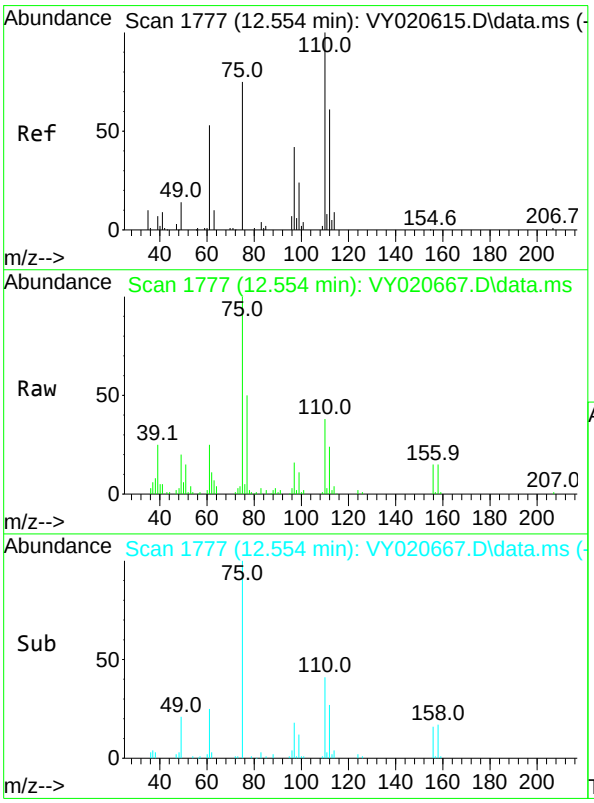
#75
1,1,2,2-Tetrachloroethane
Concen: 22.056 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

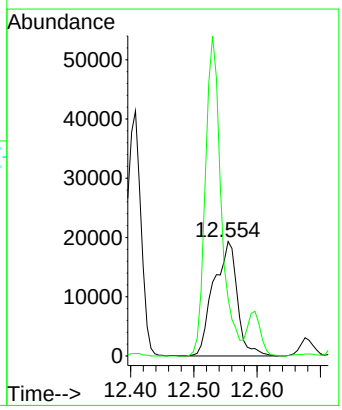


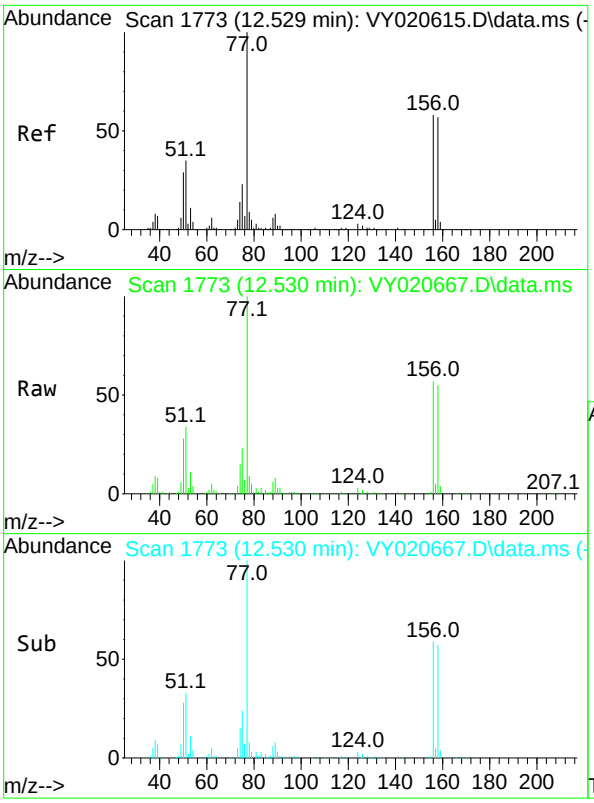


#76
1,2,3-Trichloropropane
Concen: 40.668 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 75 Resp: 50195

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



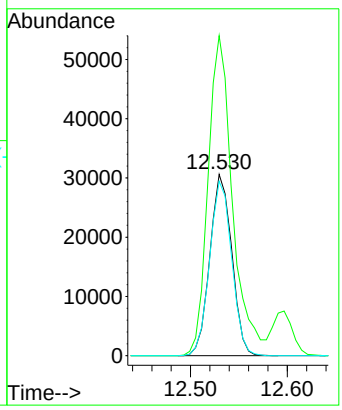


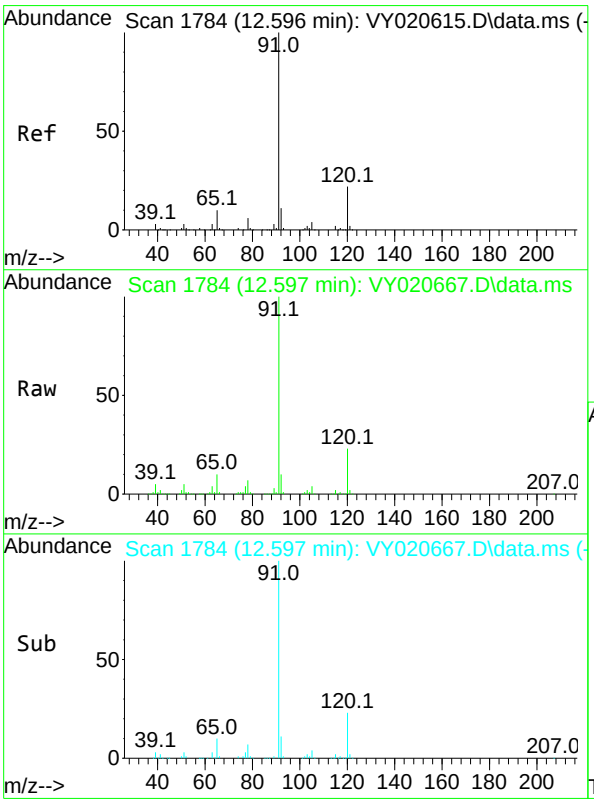
#77
Bromobenzene
Concen: 21.353 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

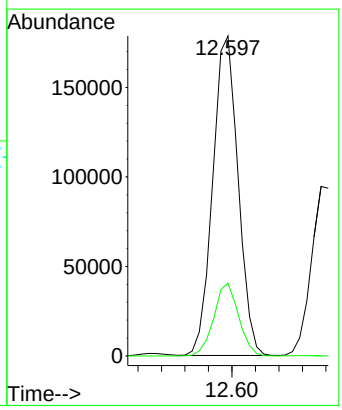


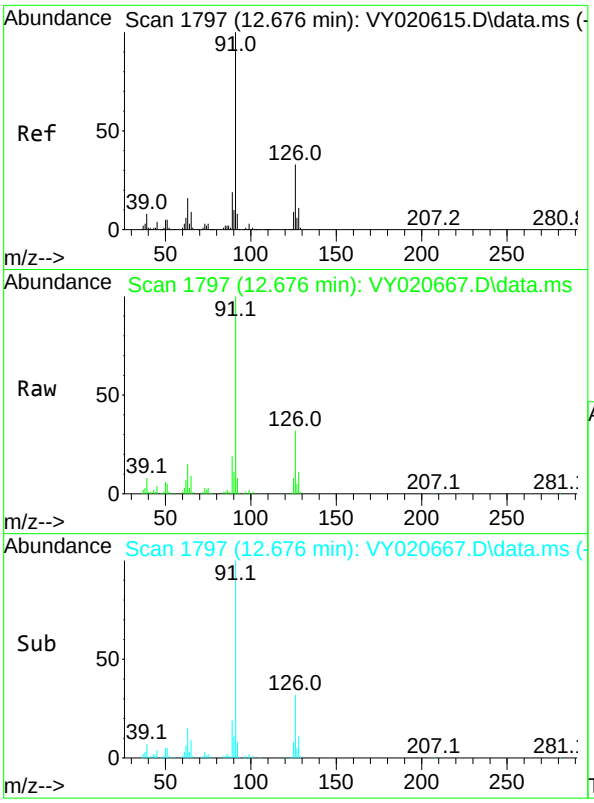


#78
n-propylbenzene
Concen: 21.448 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 91 Resp: 267926

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



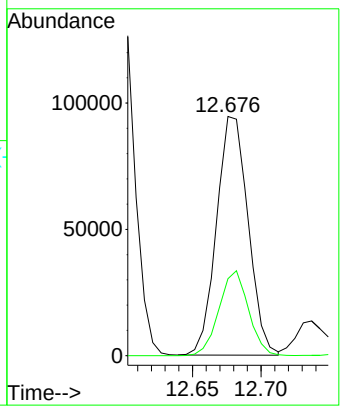


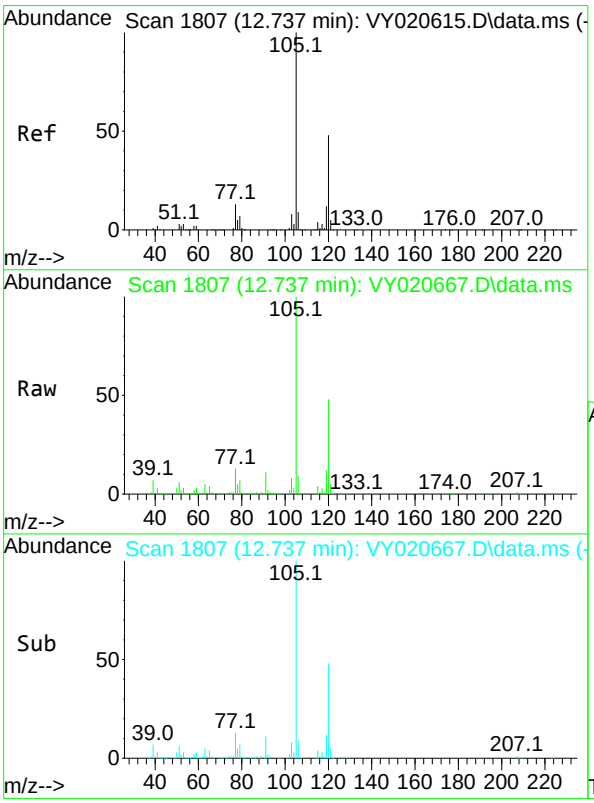
#79
2-Chlorotoluene
Concen: 21.578 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 91 Resp: 151653

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

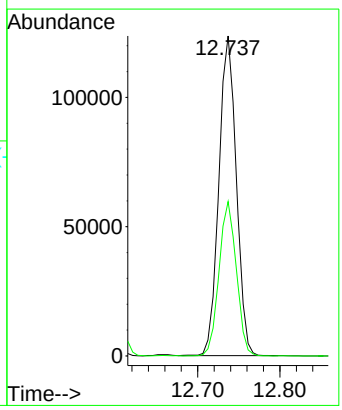


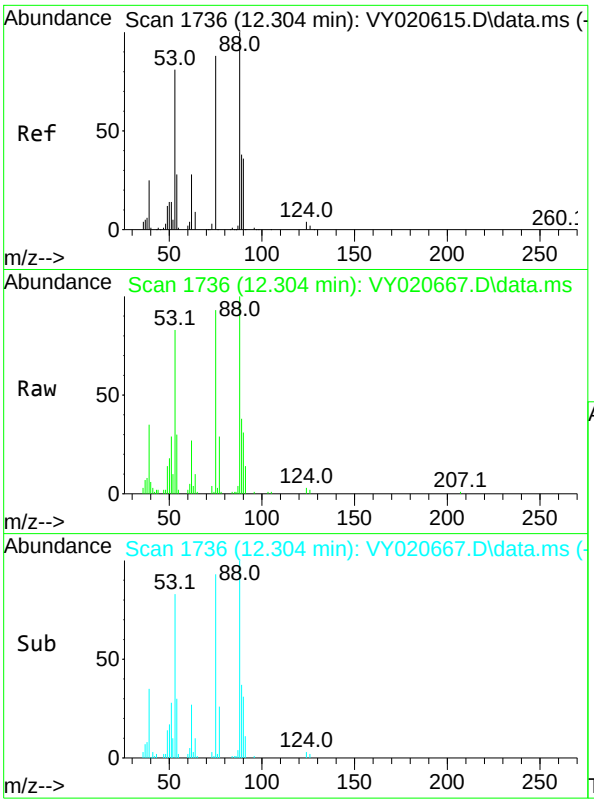


#80
1,3,5-Trimethylbenzene
Concen: 21.675 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:105 Resp: 182355

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



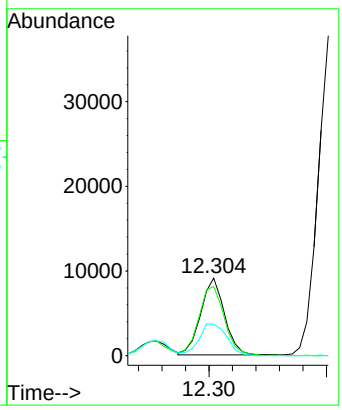


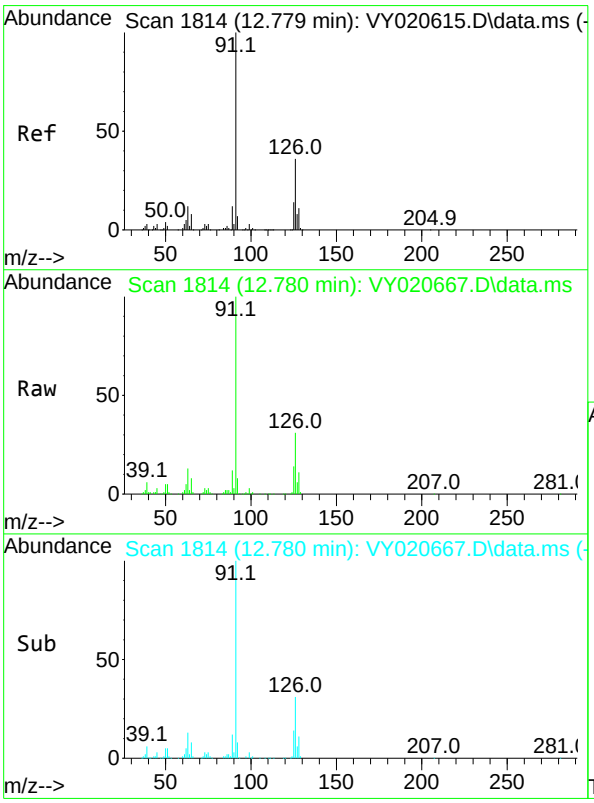
#81
trans-1,4-Dichloro-2-butene
Concen: 21.583 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

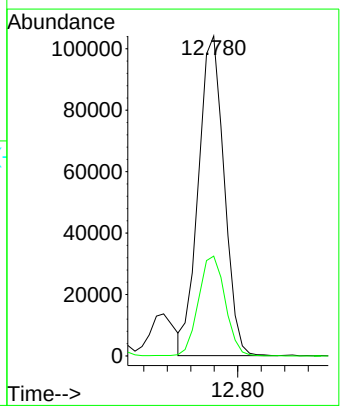


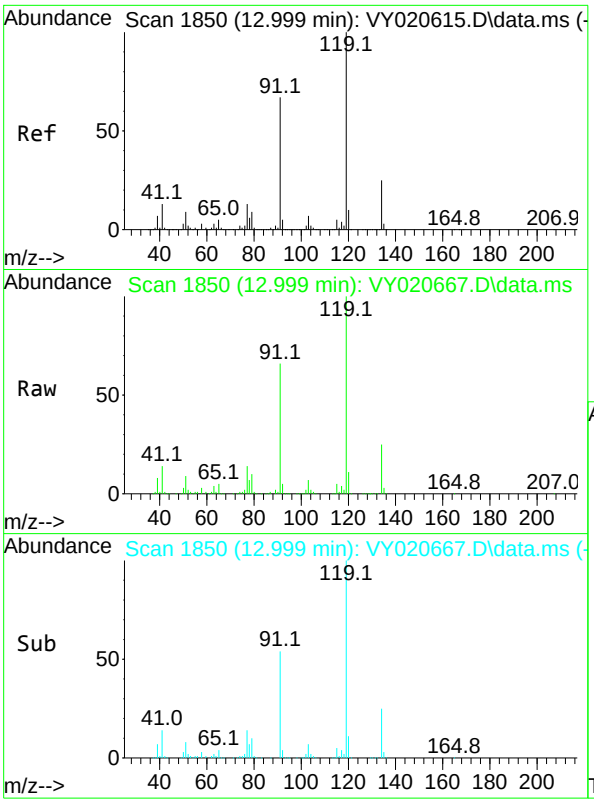


#82
4-Chlorotoluene
Concen: 21.706 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 91 Resp: 158267

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



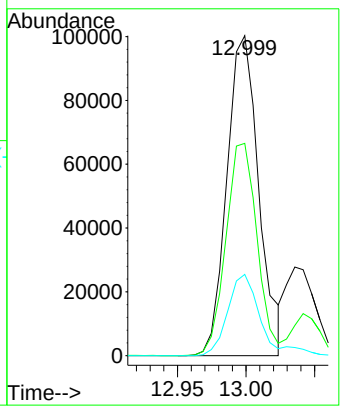


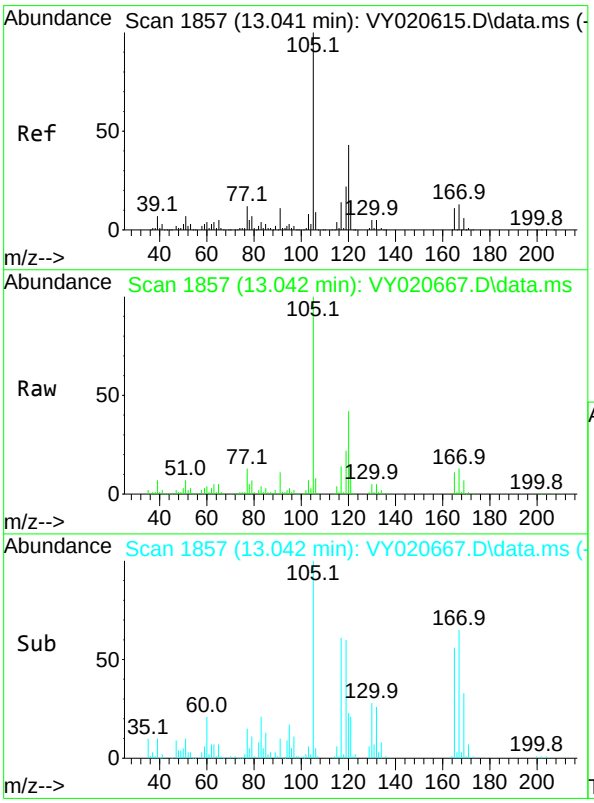
#83
tert-Butylbenzene
Concen: 21.364 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

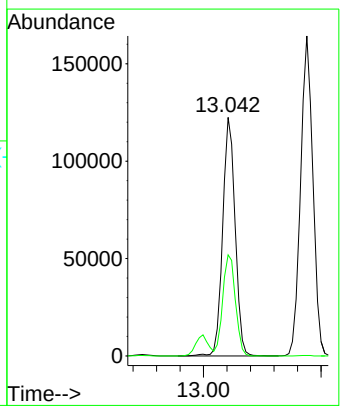


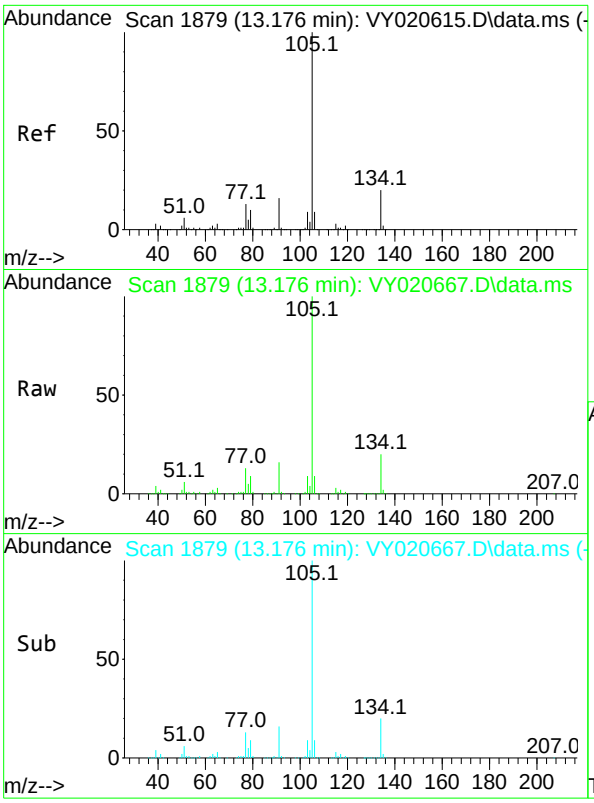


#84
1,2,4-Trimethylbenzene
Concen: 21.837 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:105 Resp: 180211

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.8	65.4



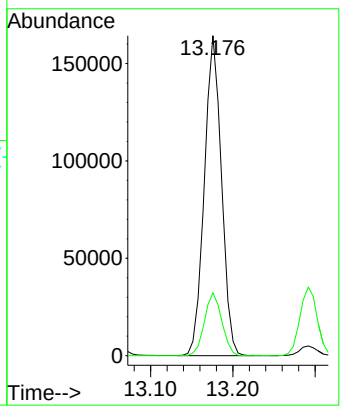


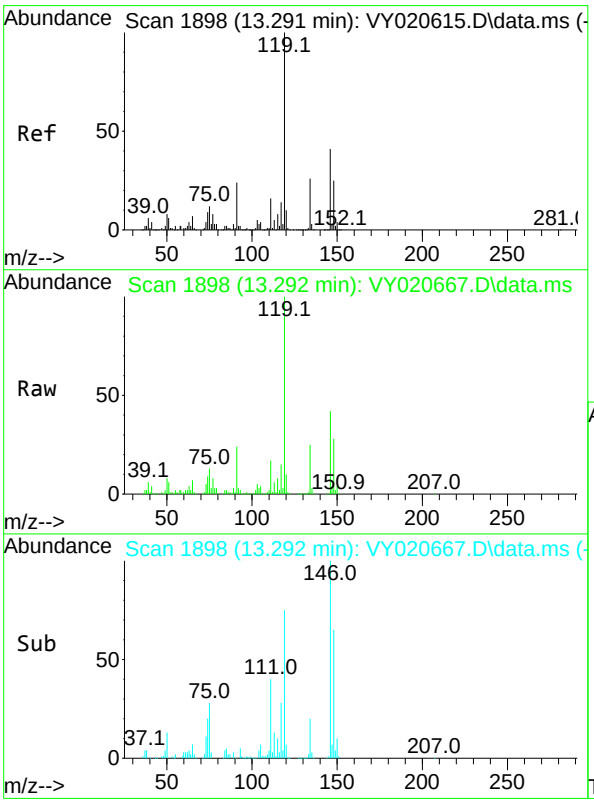
#85
sec-Butylbenzene
Concen: 21.499 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:105 Resp: 238168

Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

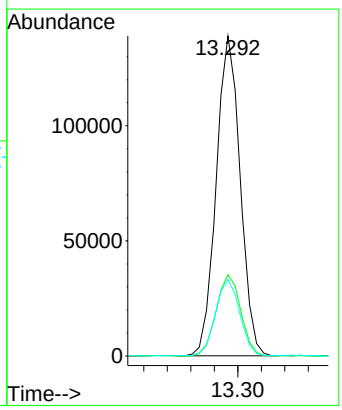


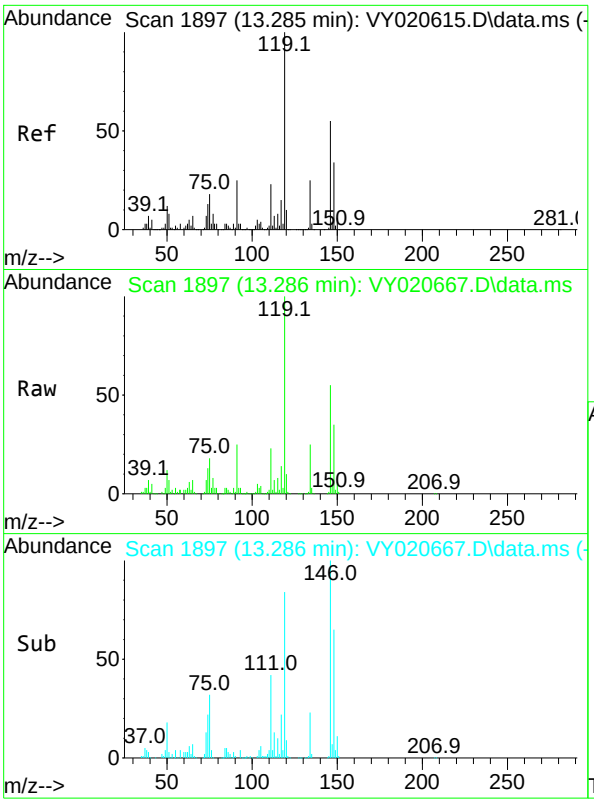


#86
p-Isopropyltoluene
Concen: 21.573 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



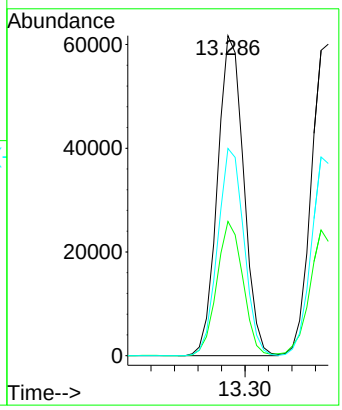


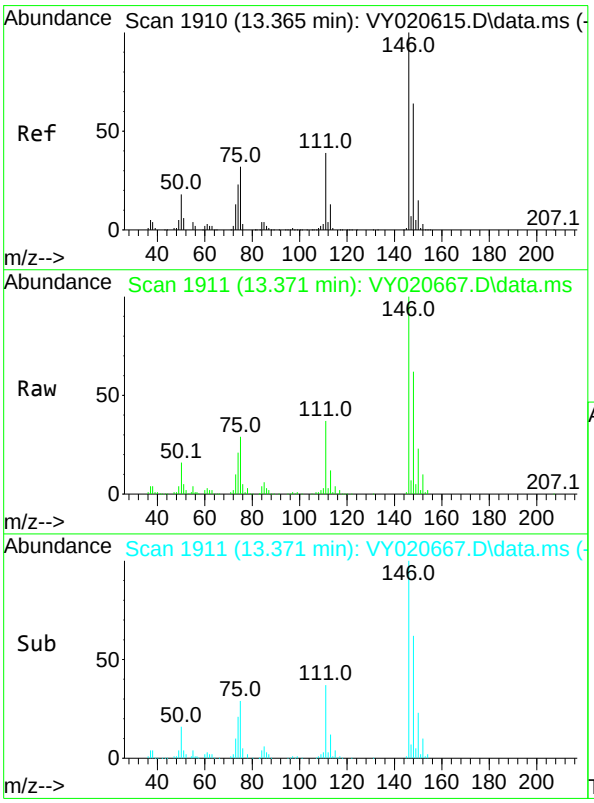
#87
1,3-Dichlorobenzene
Concen: 21.429 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

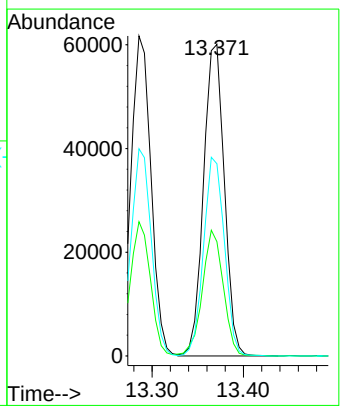


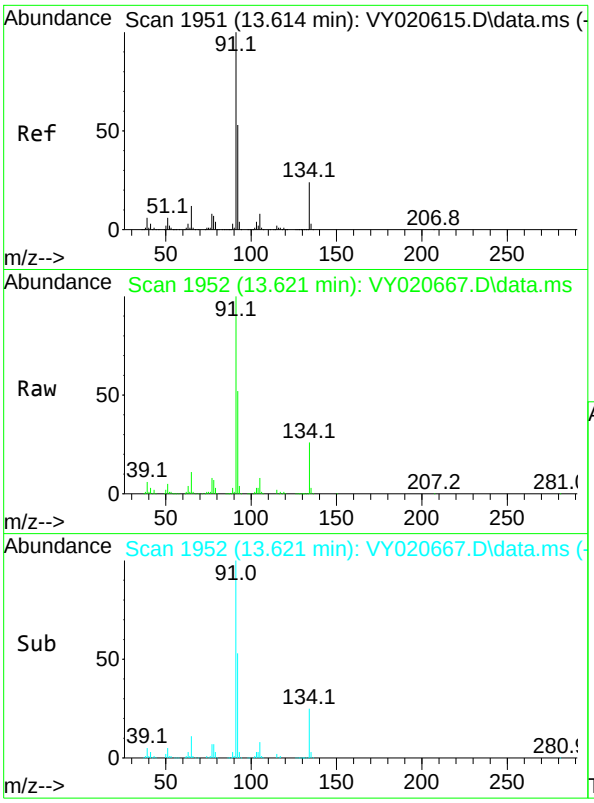


#88
1,4-Dichlorobenzene
Concen: 21.519 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



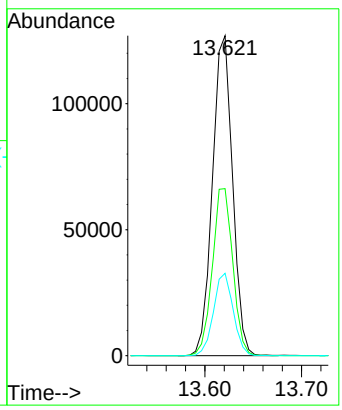


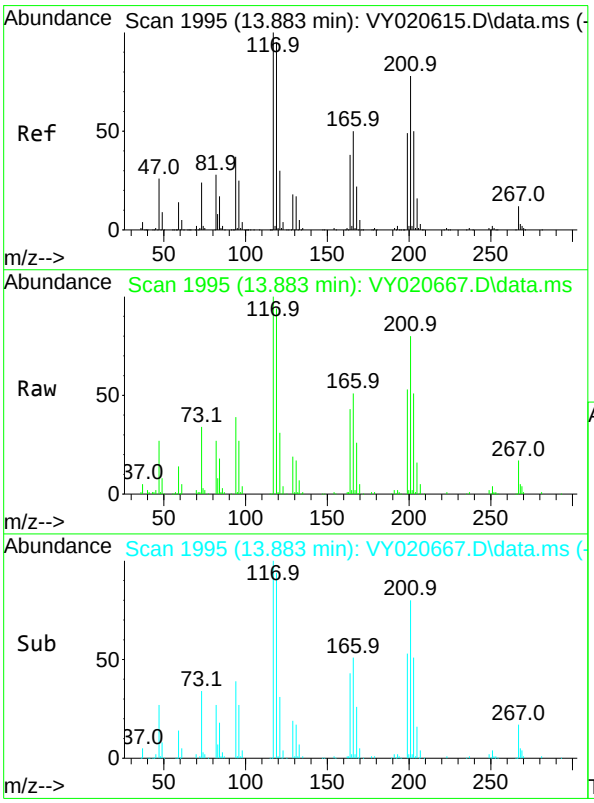
#89
n-Butylbenzene
Concen: 21.186 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

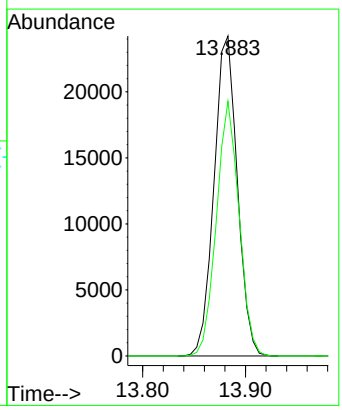


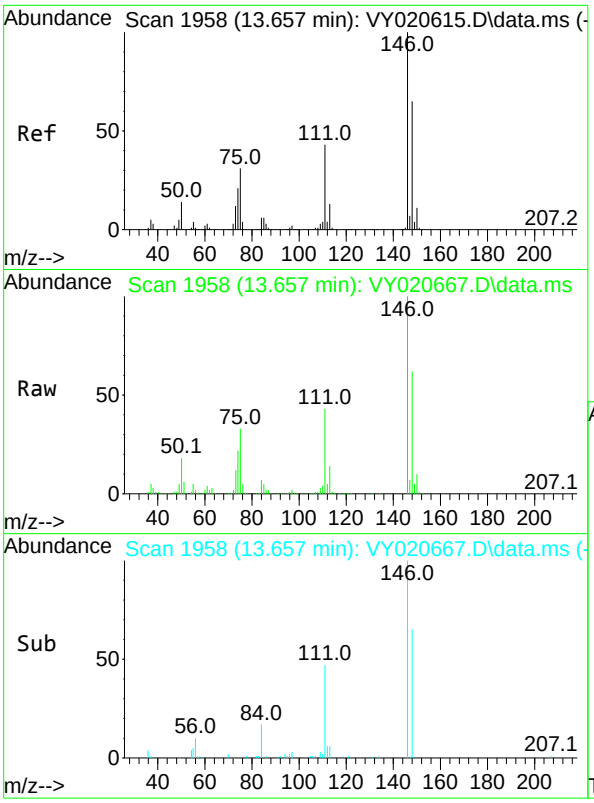


#90
Hexachloroethane
Concen: 21.066 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:117 Resp: 38132

Ion	Ratio	Lower	Upper
117	100		
201	77.3	39.1	117.3



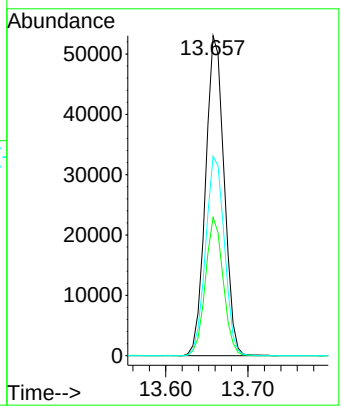


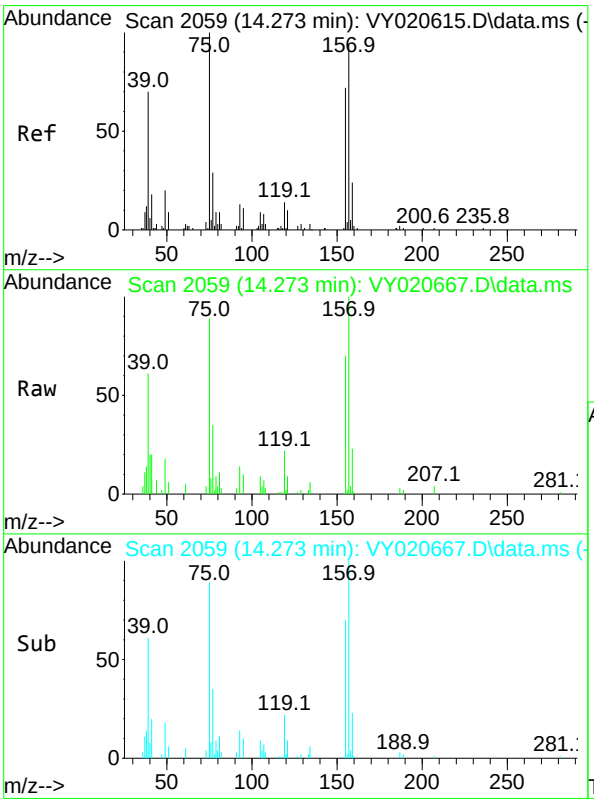
#91
1,2-Dichlorobenzene
Concen: 21.520 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

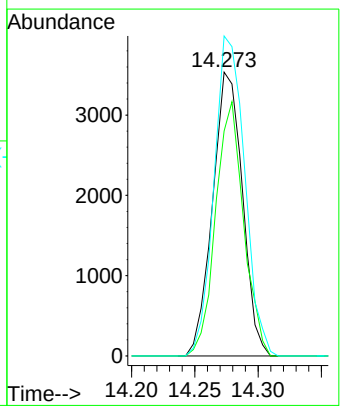


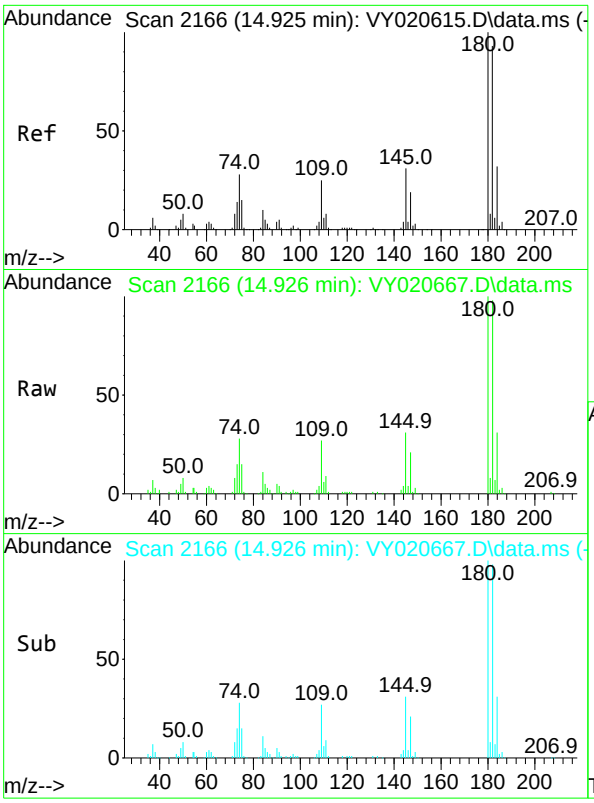


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.190 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



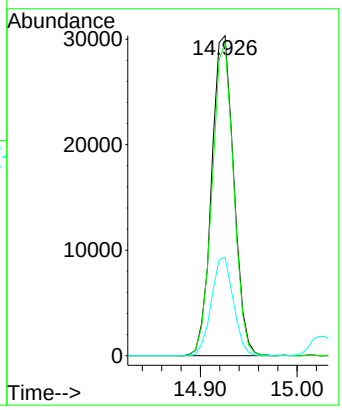


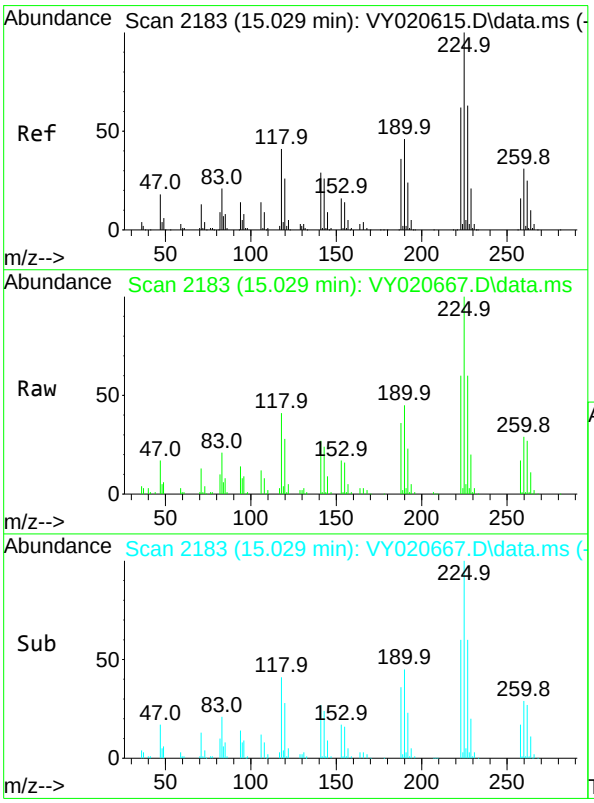
#93
1,2,4-Trichlorobenzene
Concen: 20.610 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

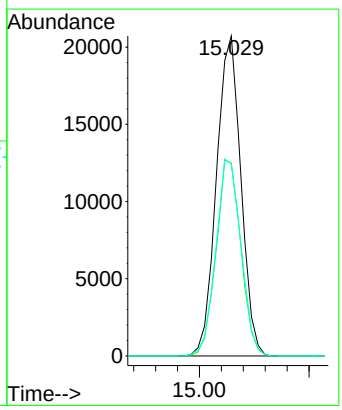


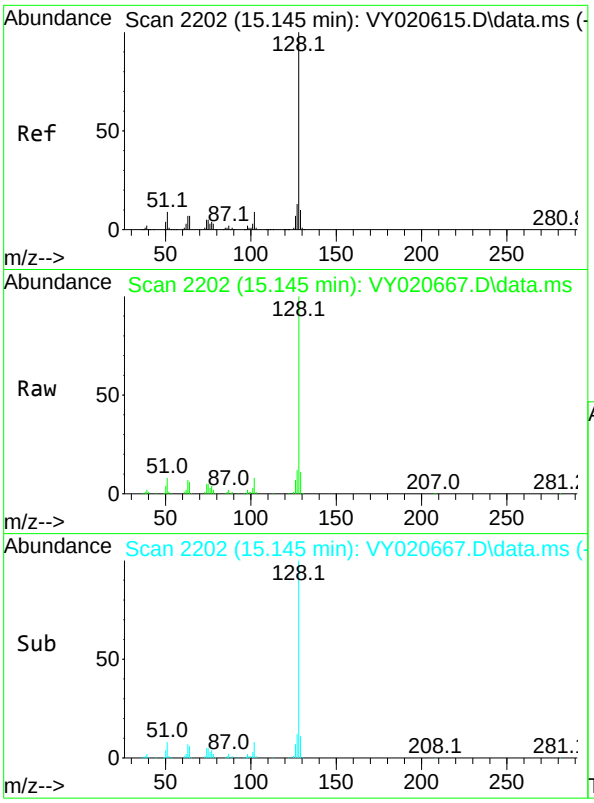


#94
Hexachlorobutadiene
Concen: 20.986 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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



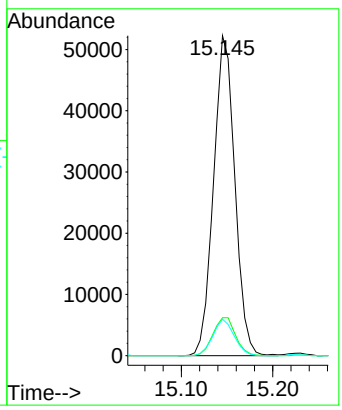


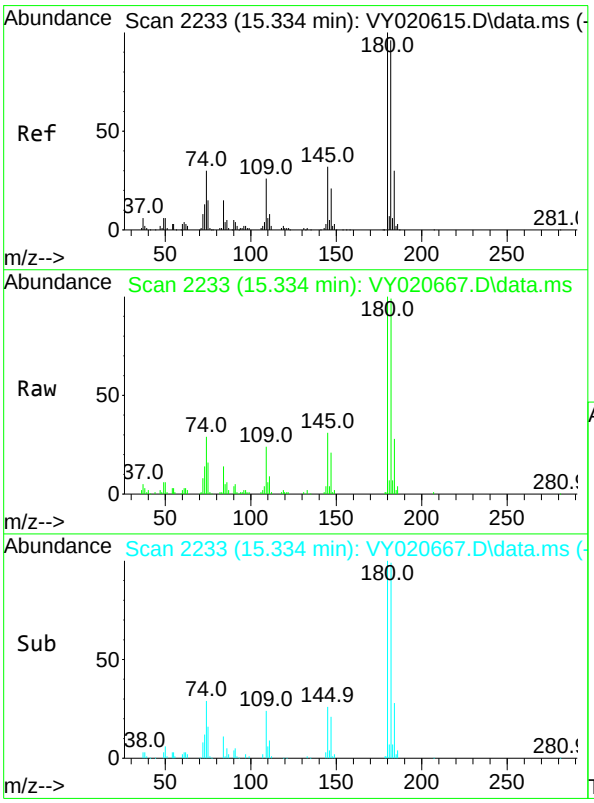
#95
Naphthalene
Concen: 21.127 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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

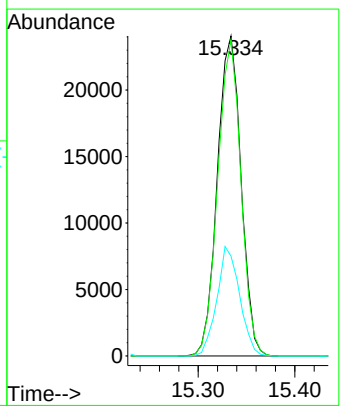




#96
1,2,3-Trichlorobenzene
Concen: 20.750 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

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 : 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)

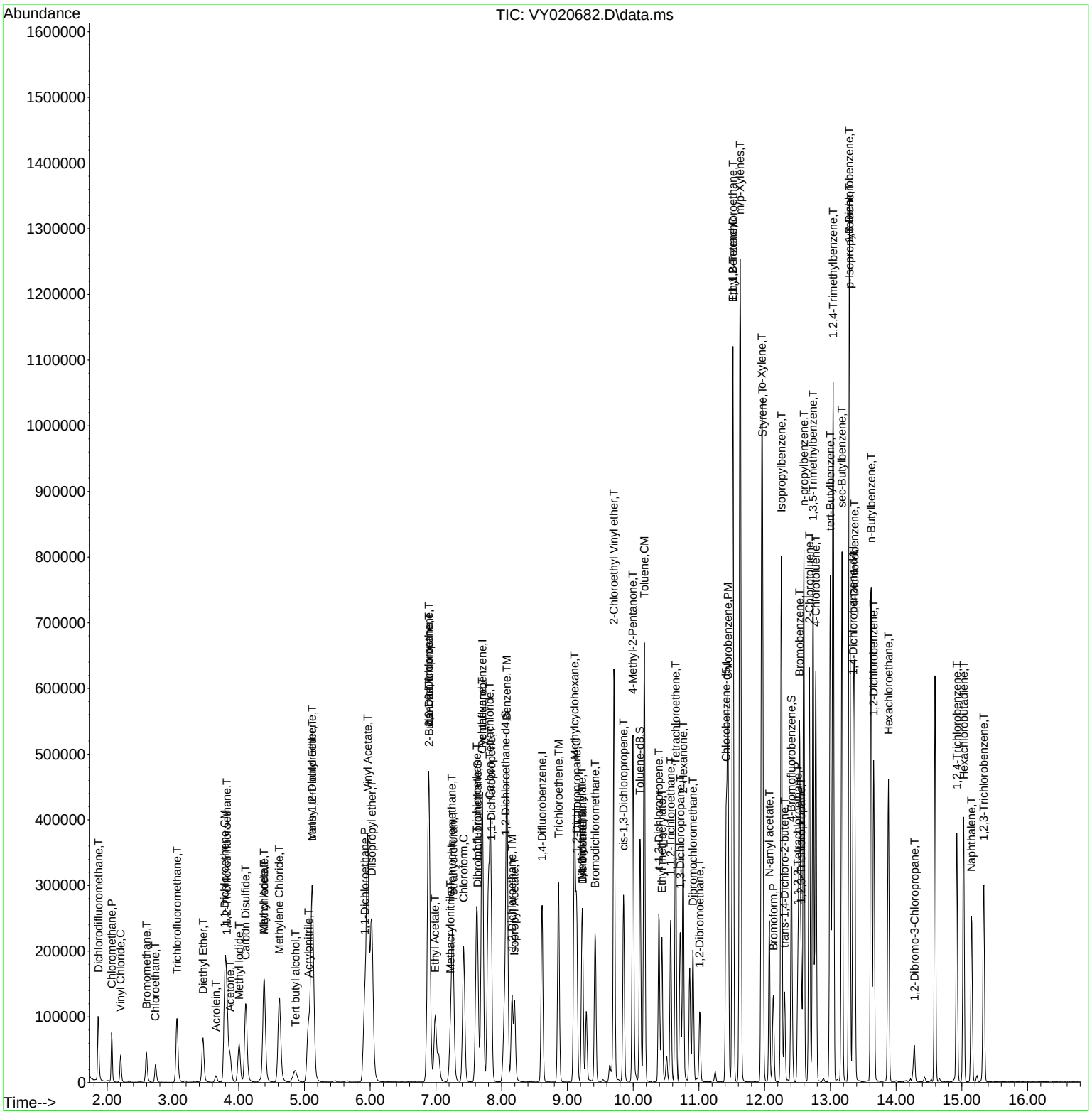
(#) = qualifier out of range (m) = manual integration (+) = signals summed

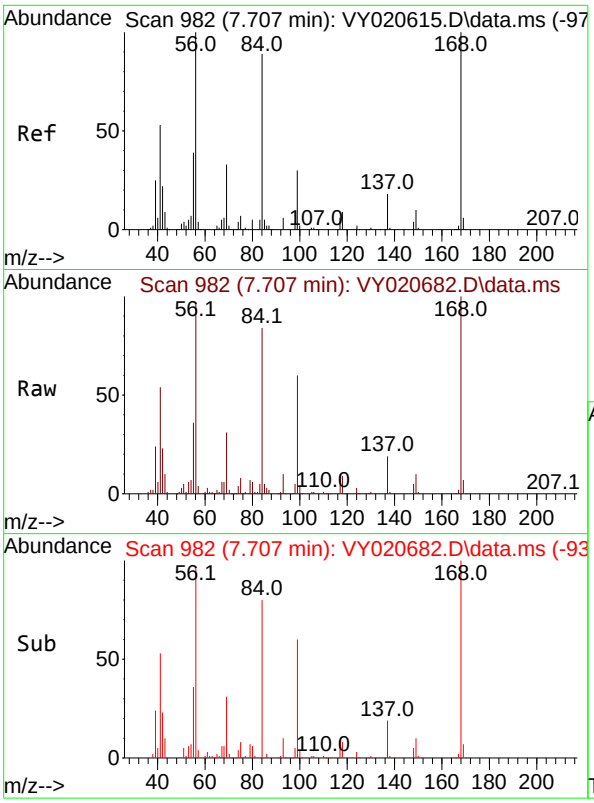
Quantitation Report (Not Reviewed)

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



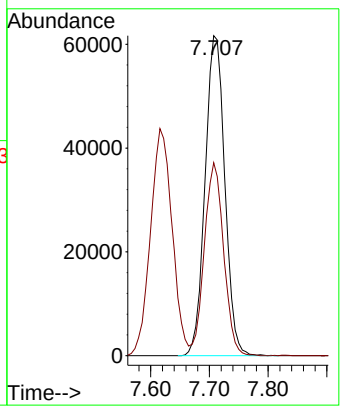


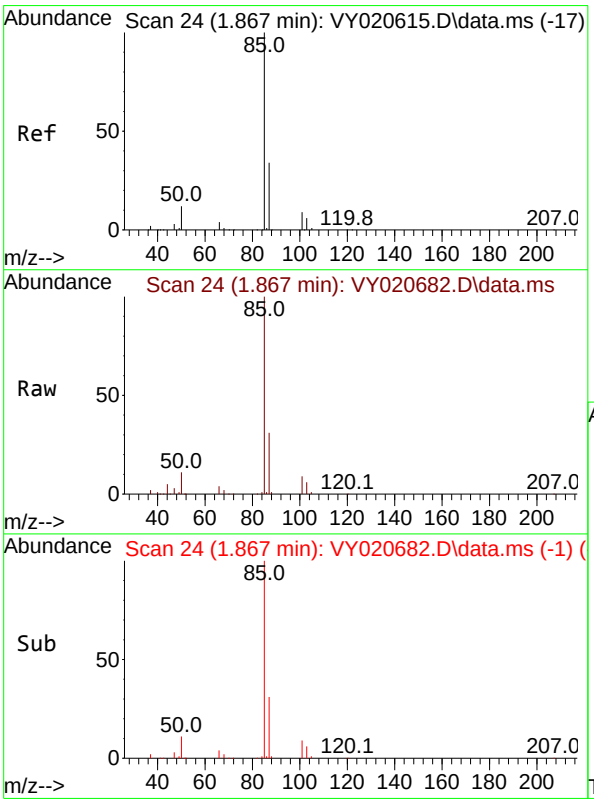
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 143833

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.6

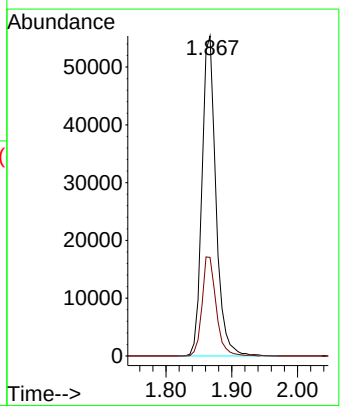


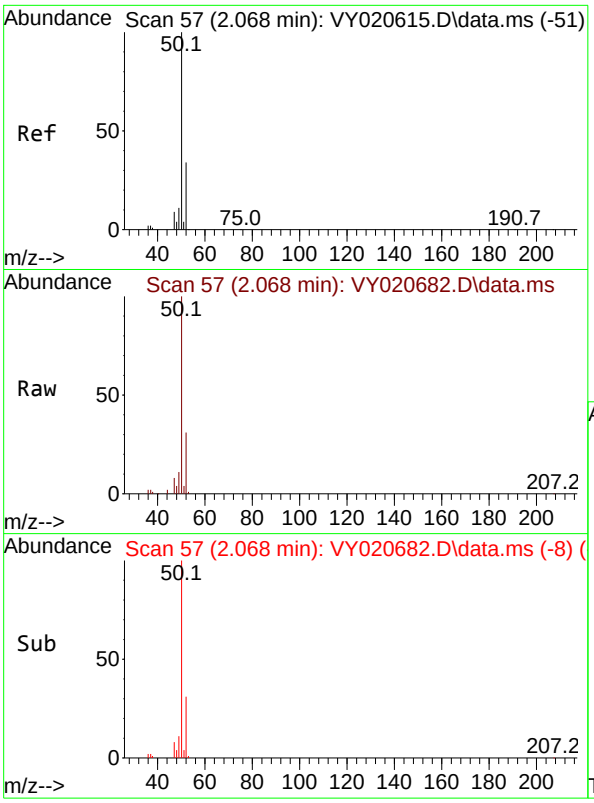


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 85 Resp: 81747

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.8	50.3



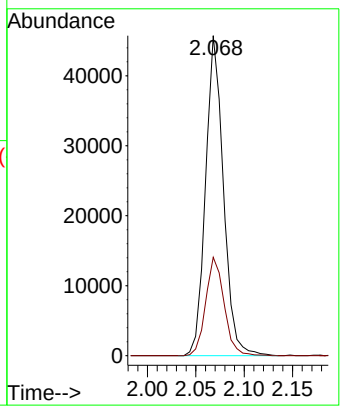


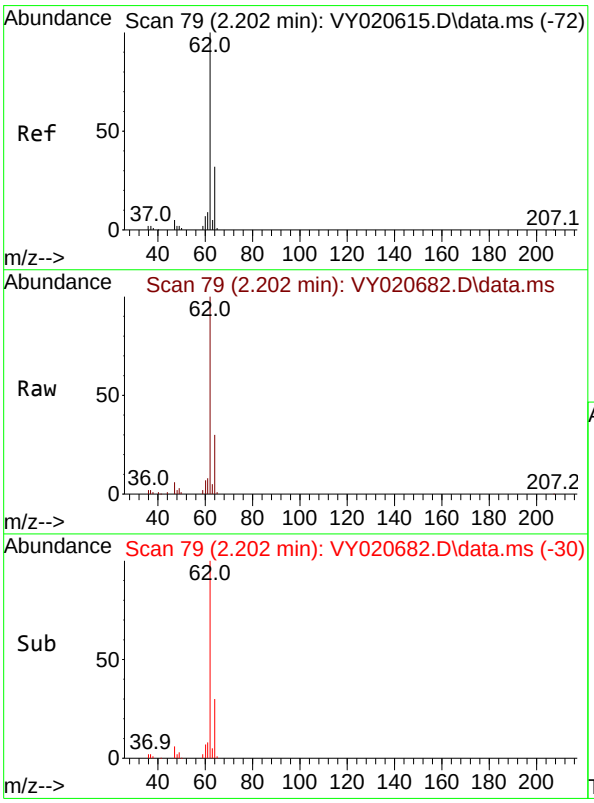
#3
Chloromethane
Concen: 44.285 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 58949

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.8	40.2

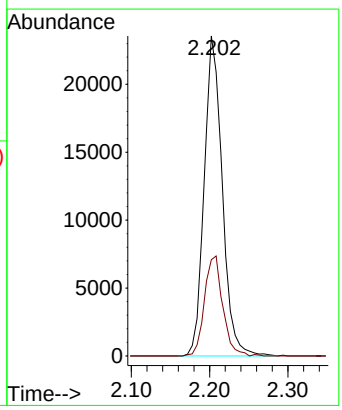


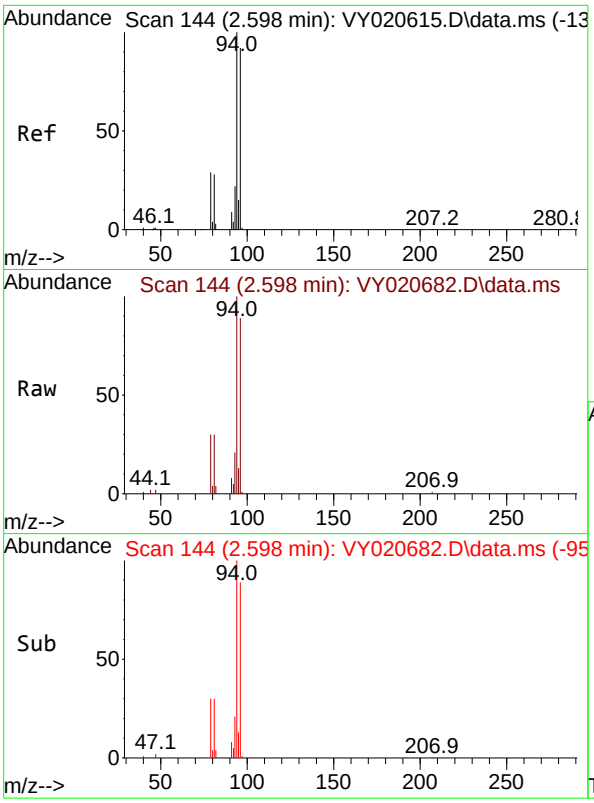


#4
Vinyl Chloride
Concen: 30.430 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 37701

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9



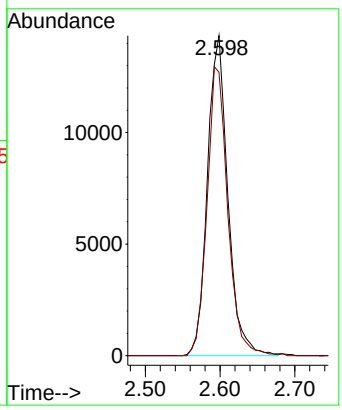


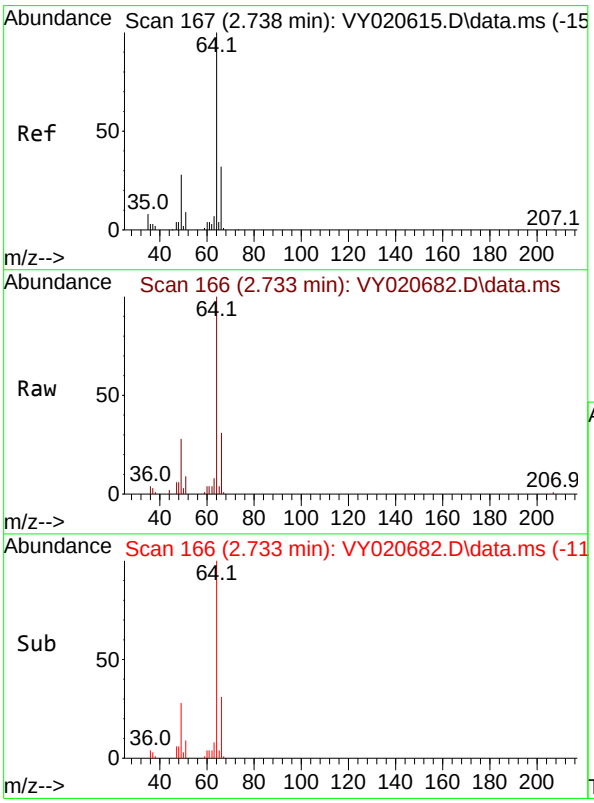
#5
Bromomethane
Concen: 34.241 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 27270

Ion	Ratio	Lower	Upper
94	100		
96	88.6	73.8	110.6

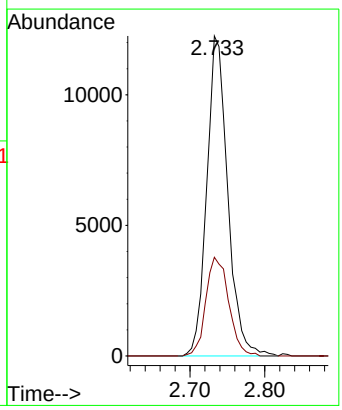


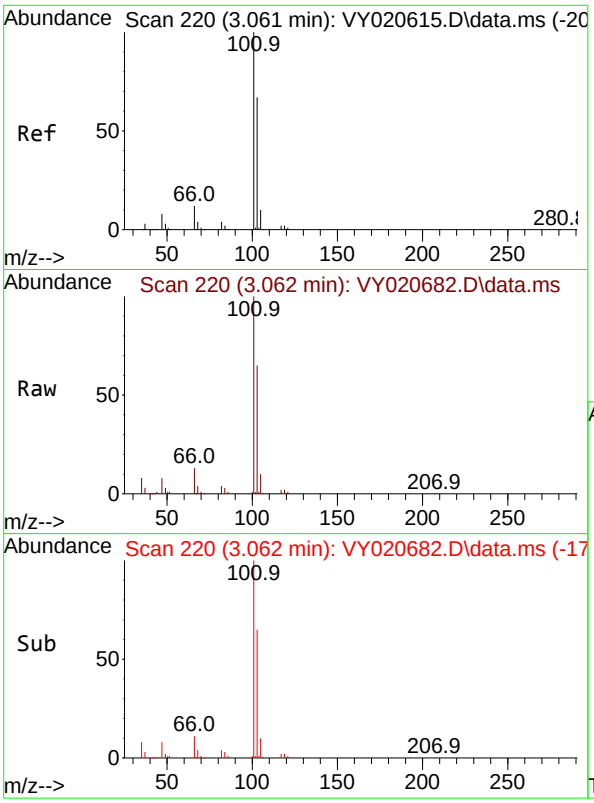


#6
Chloroethane
Concen: 31.154 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 64 Resp: 23852

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.8	38.6



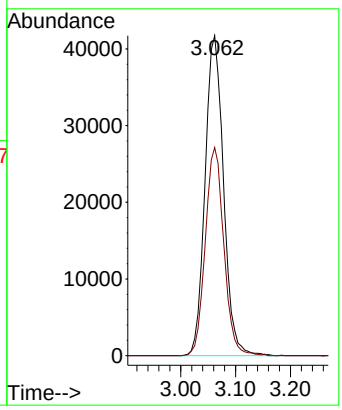


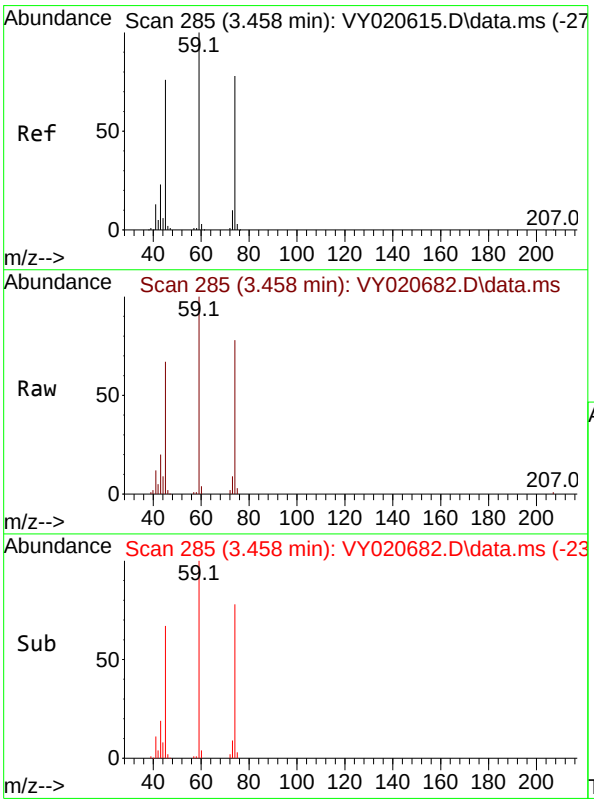
#7
Trichlorofluoromethane
Concen: 37.582 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 97429

Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.0

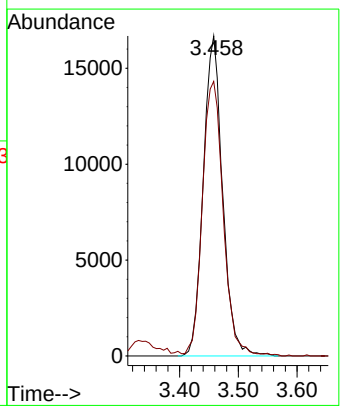


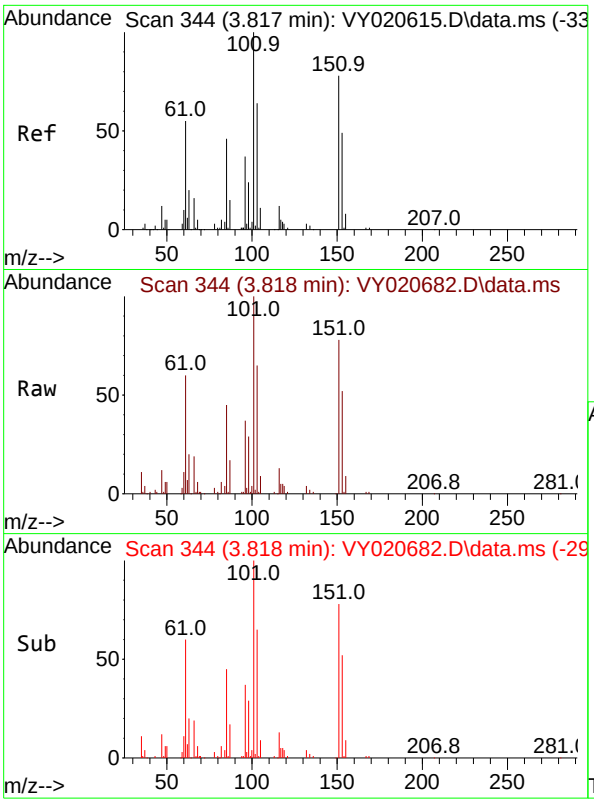


#8
Diethyl Ether
Concen: 41.896 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 74 Resp: 38091

Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.0	147.2



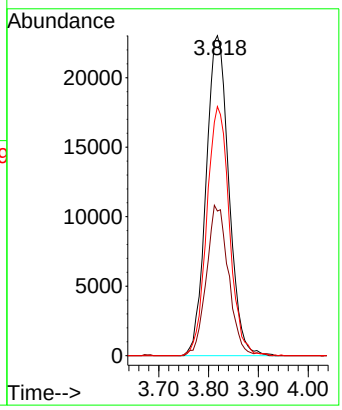


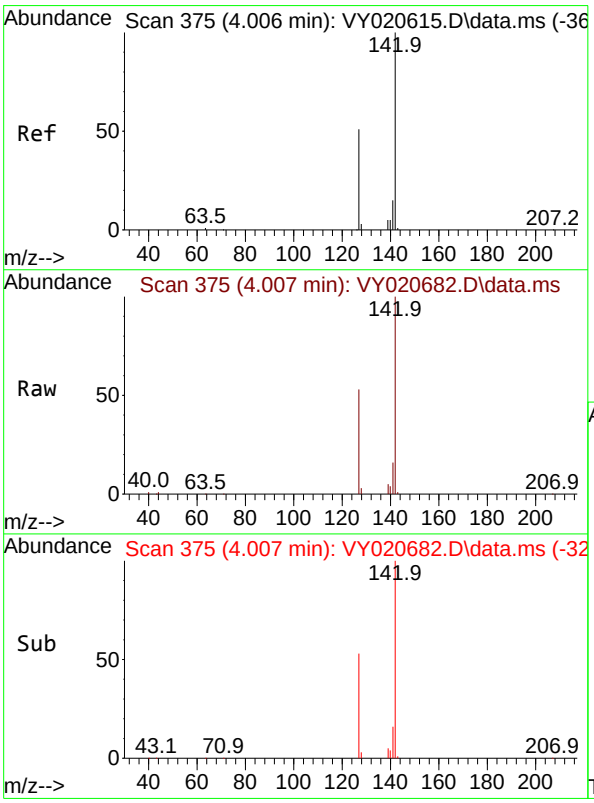
#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.189 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

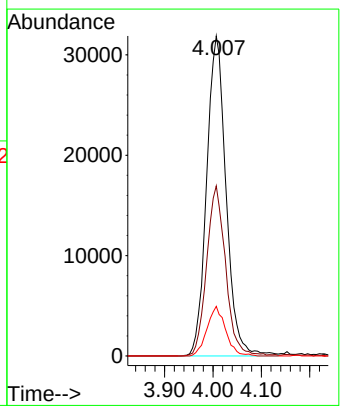


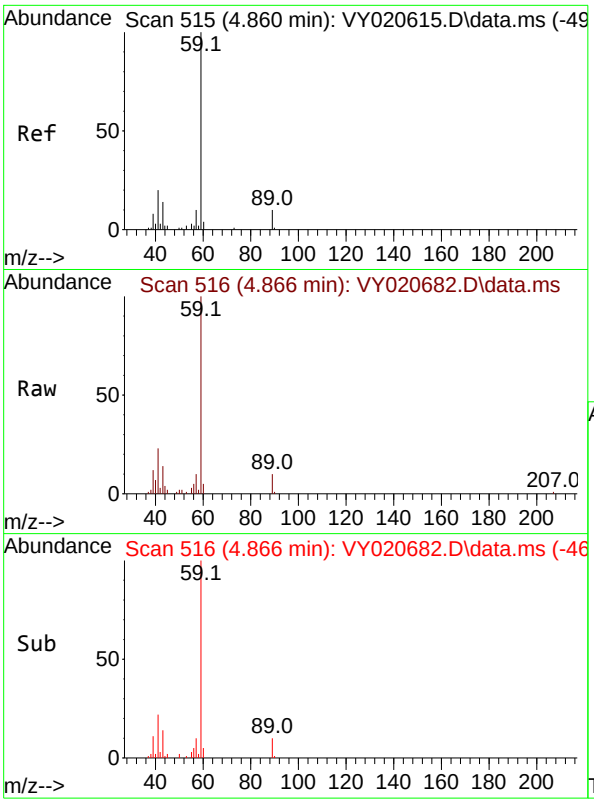


#10
Methyl Iodide
Concen: 43.050 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



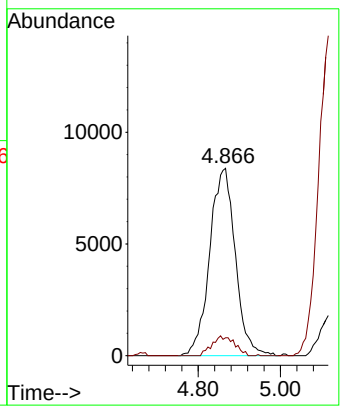


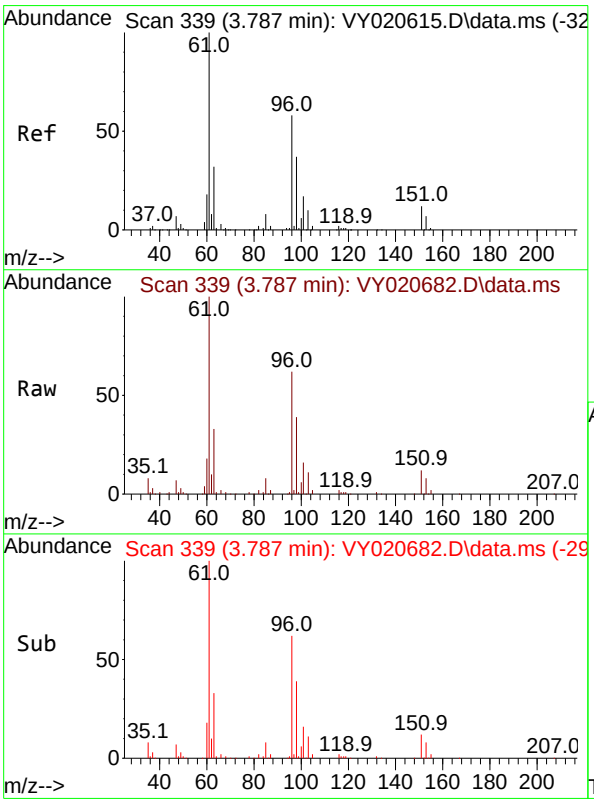
#11
Tert butyl alcohol
Concen: 213.879 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 36300

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

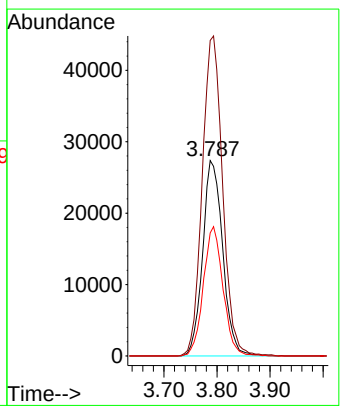


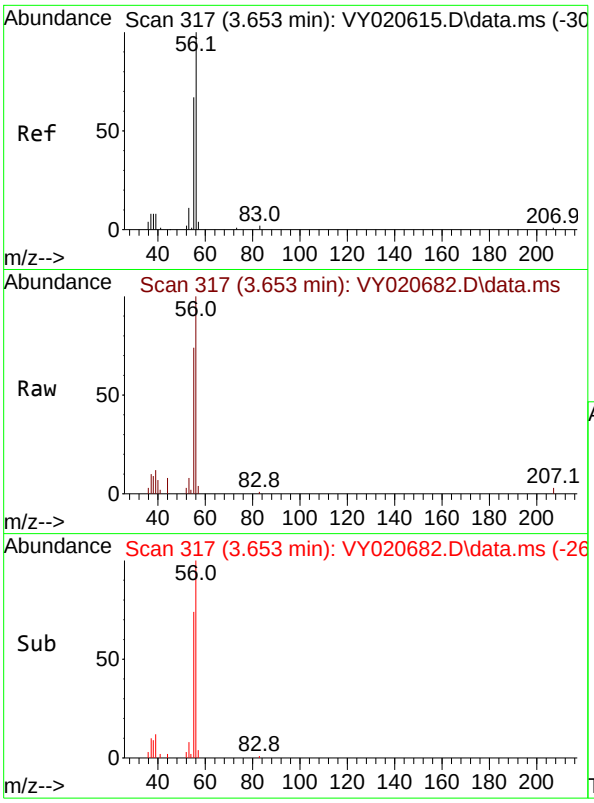


#12
1,1-Dichloroethene
Concen: 39.896 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



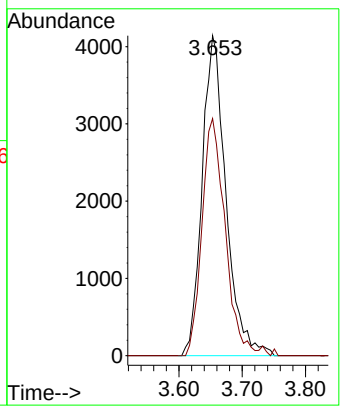


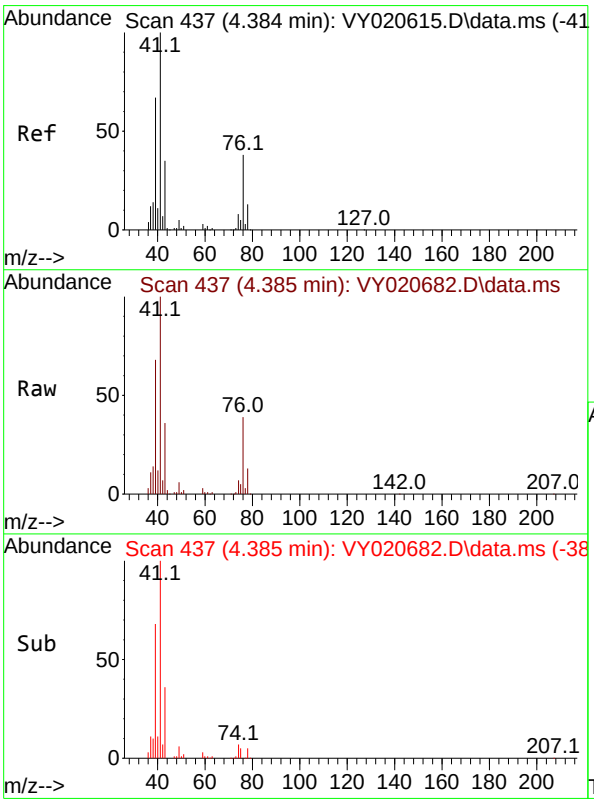
#13
Acrolein
Concen: 145.691 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 10852

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3

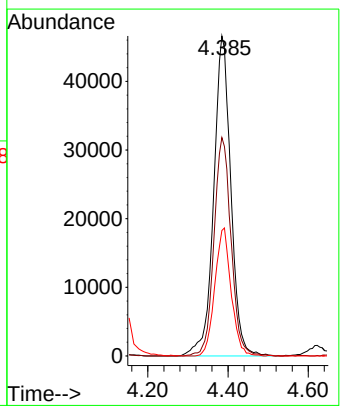


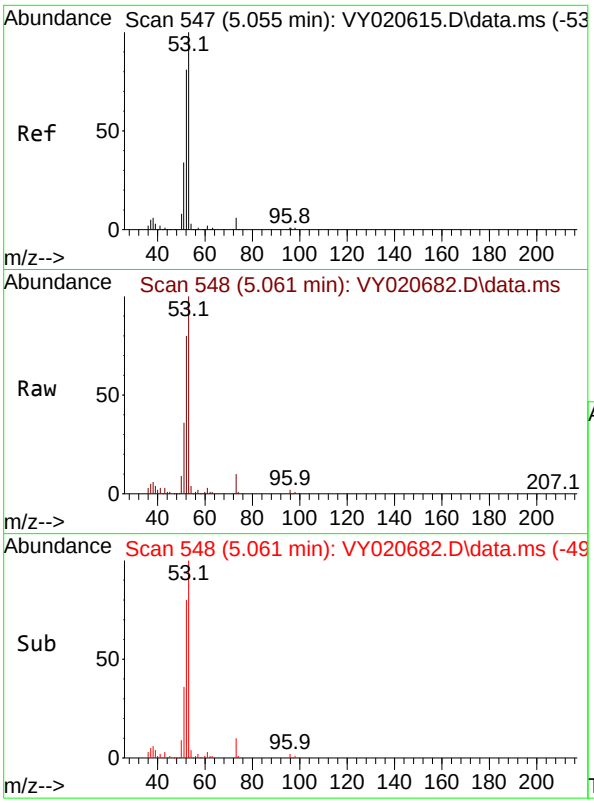


#14
Allyl chloride
Concen: 43.827 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



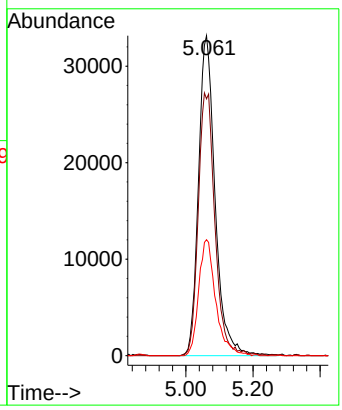


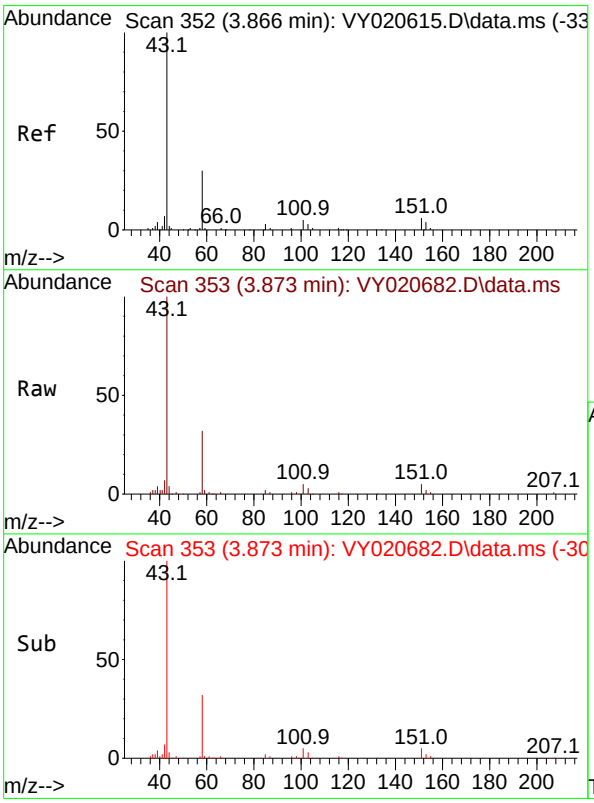
#15
Acrylonitrile
Concen: 262.307 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

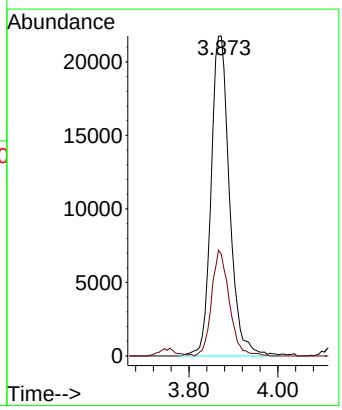


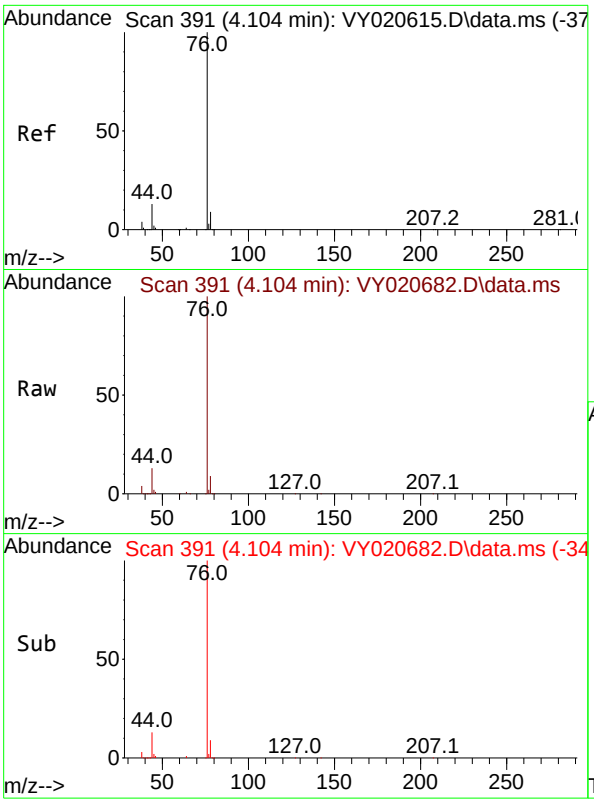


#16
Acetone
Concen: 198.675 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 62589

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.0	37.6



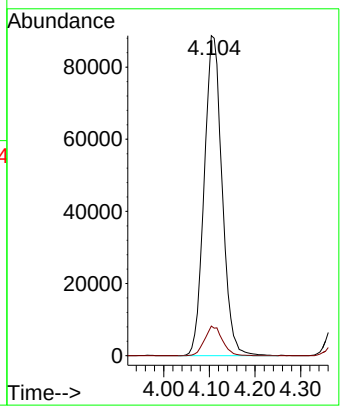


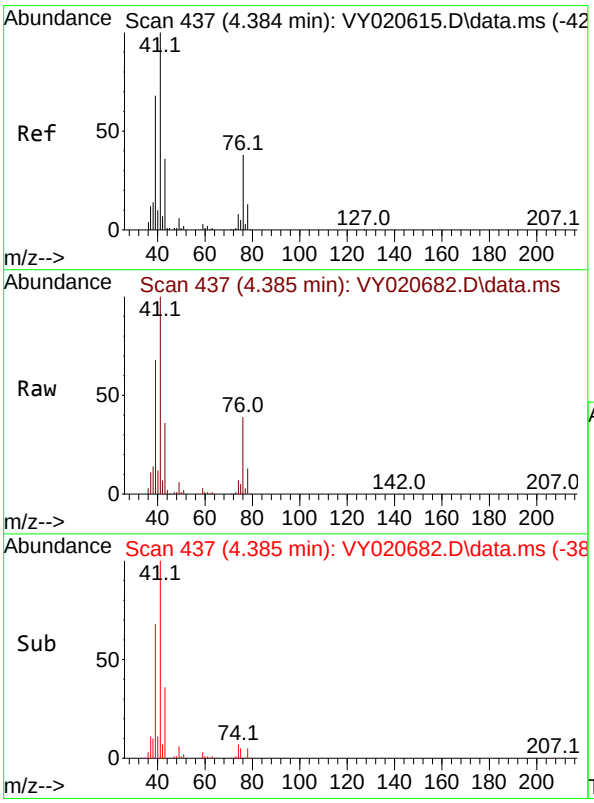
#17
Carbon Disulfide
Concen: 41.052 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 240927

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

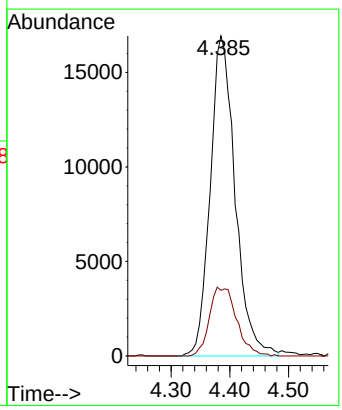


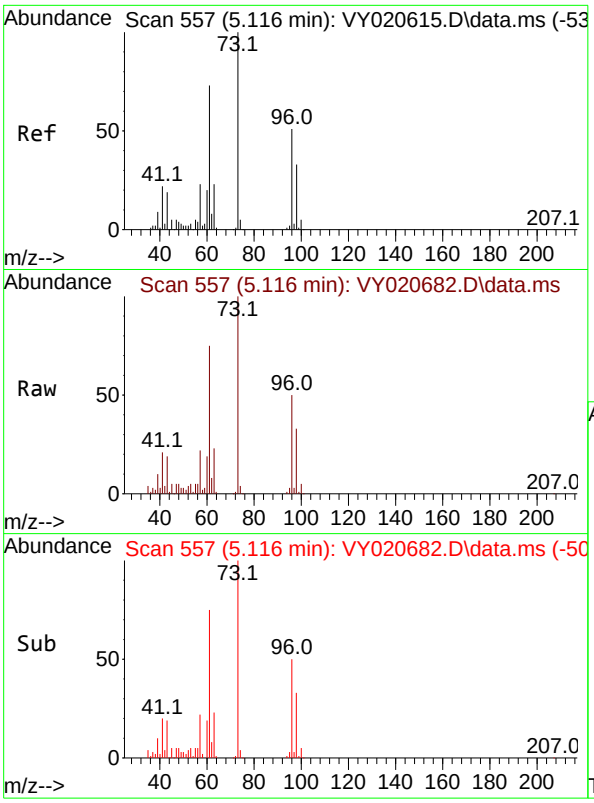


#18
Methyl Acetate
Concen: 46.480 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 49816

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8



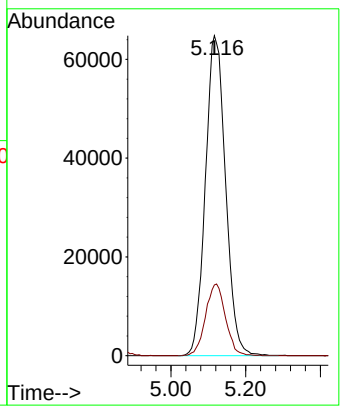


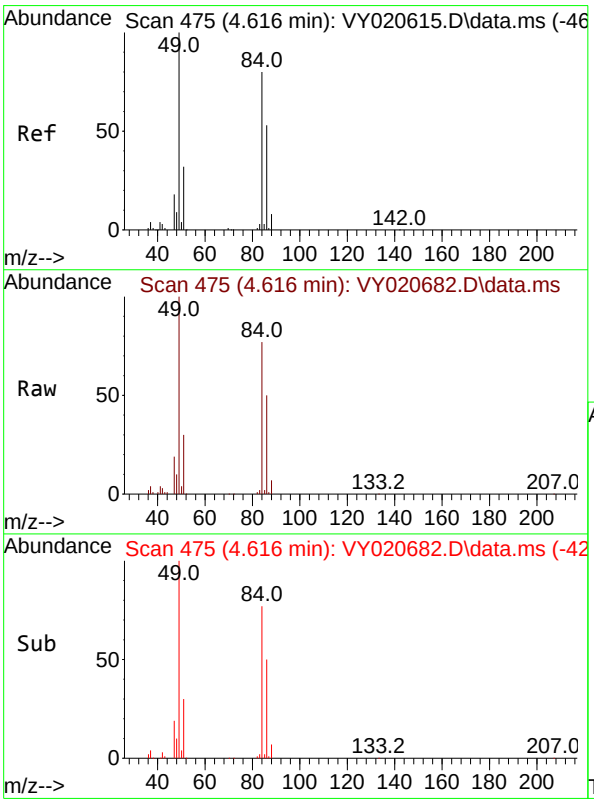
#19
Methyl tert-butyl Ether
Concen: 52.095 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 242425

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

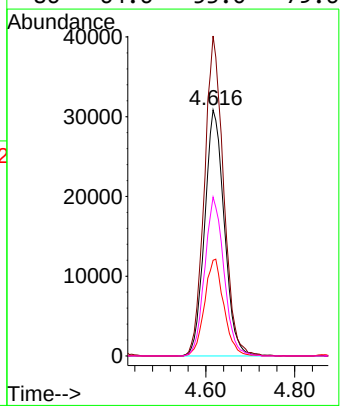


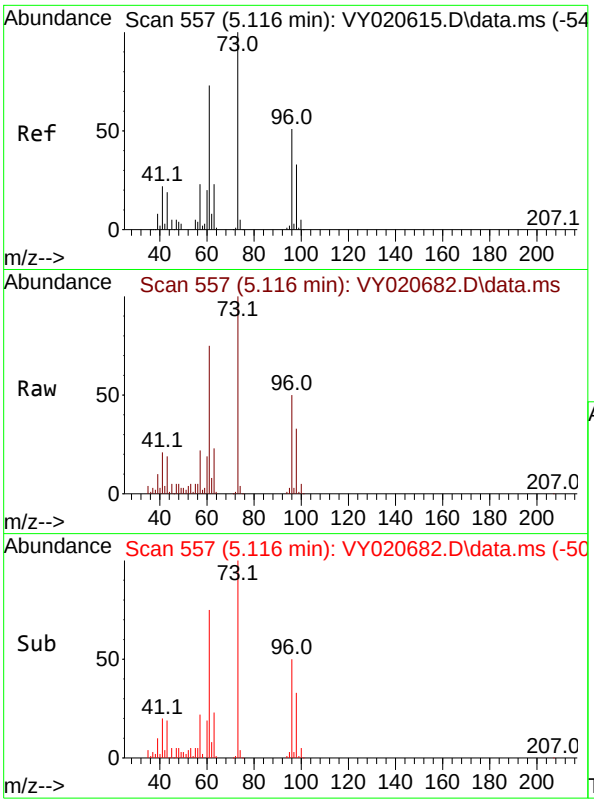


#20
Methylene Chloride
Concen: 48.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



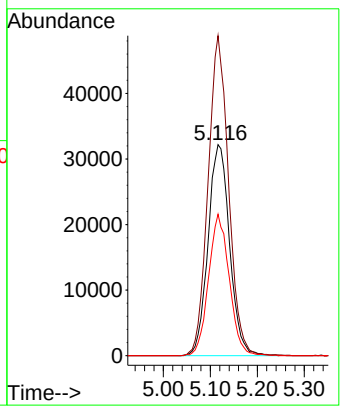


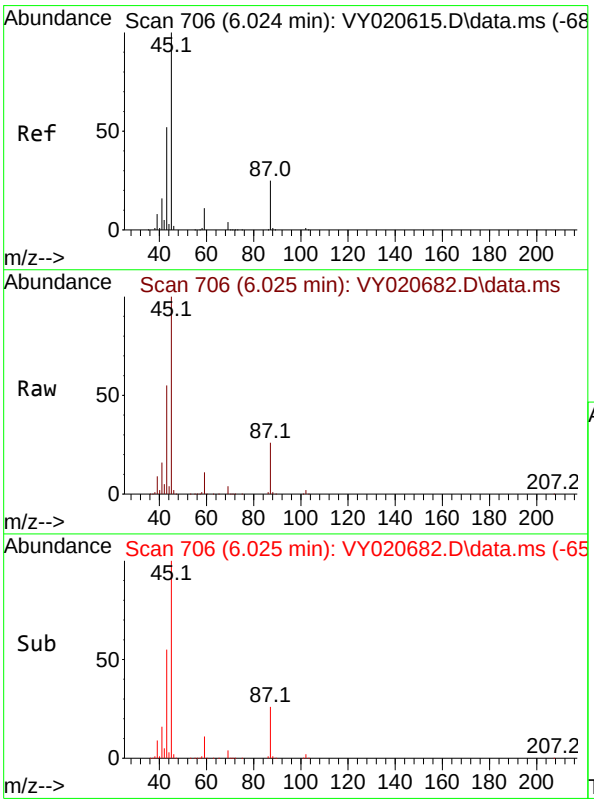
#21
trans-1,2-Dichloroethene
Concen: 50.685 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

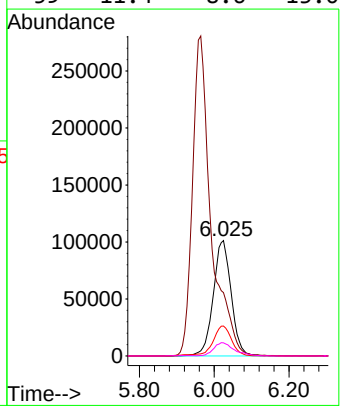


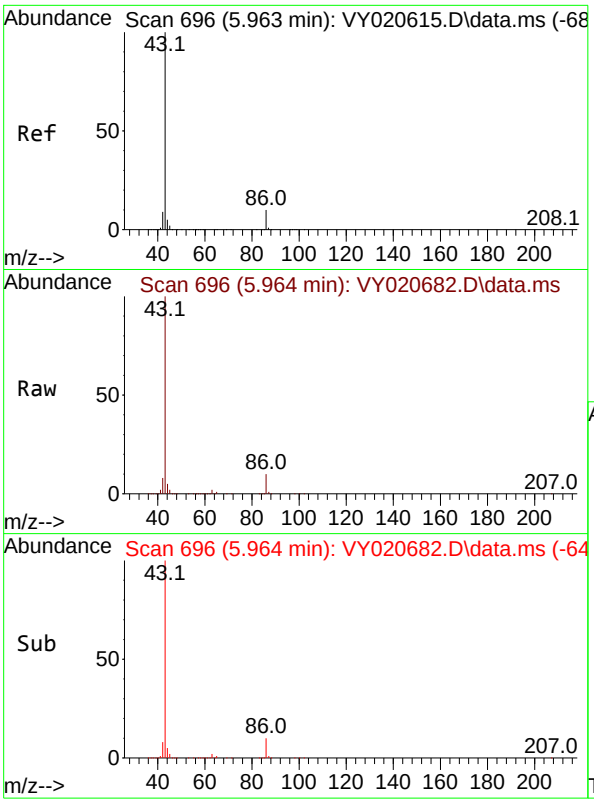


#22
Diisopropyl ether
Concen: 52.616 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



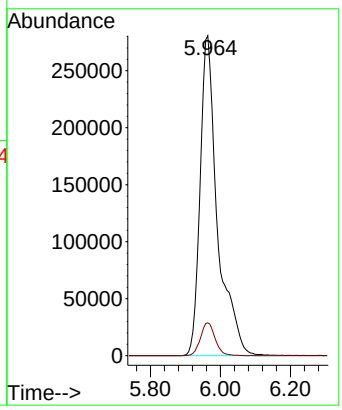


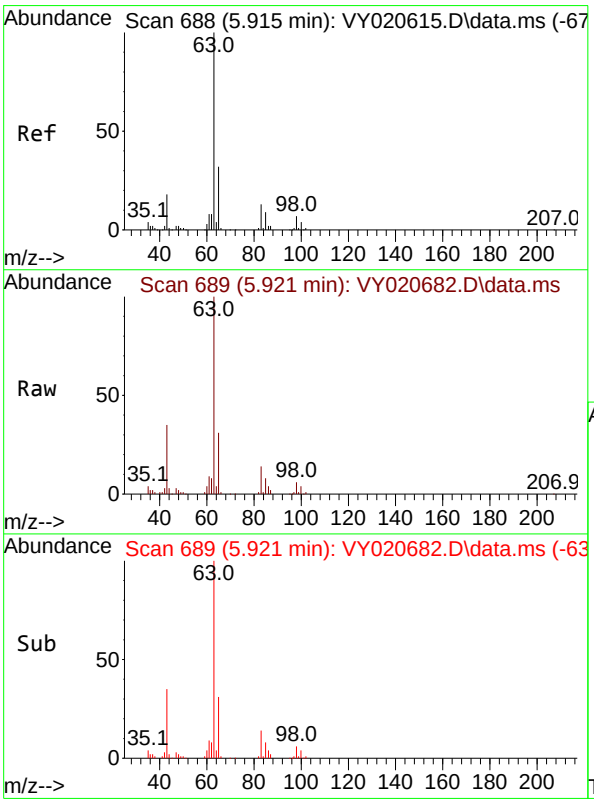
#23
Vinyl Acetate
Concen: 266.302 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 967217

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

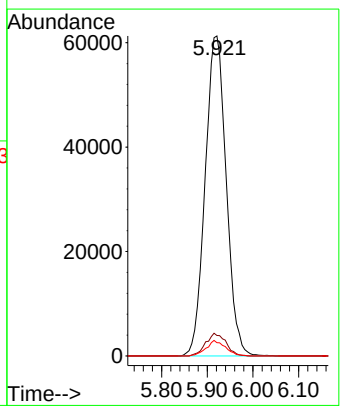


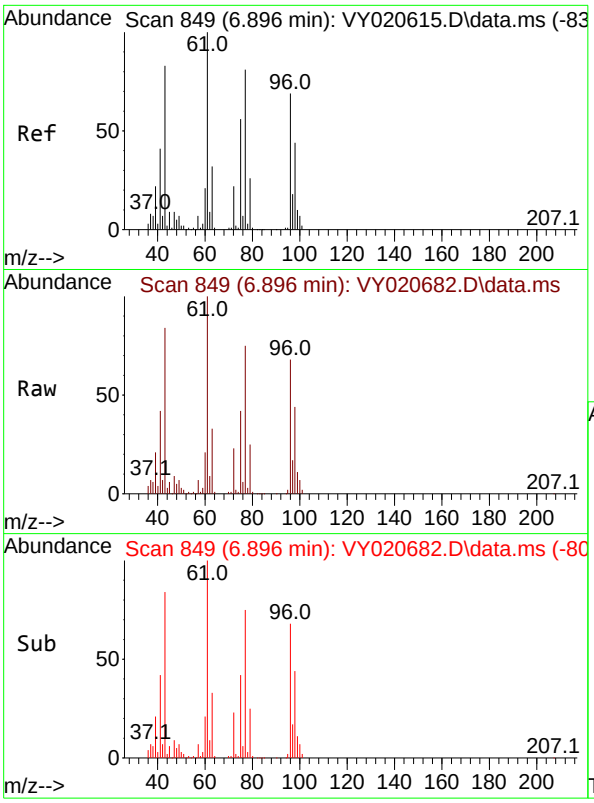


#24
1,1-Dichloroethane
Concen: 52.280 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



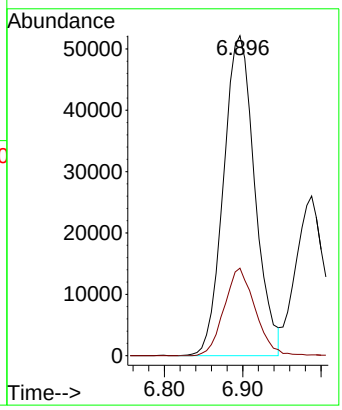


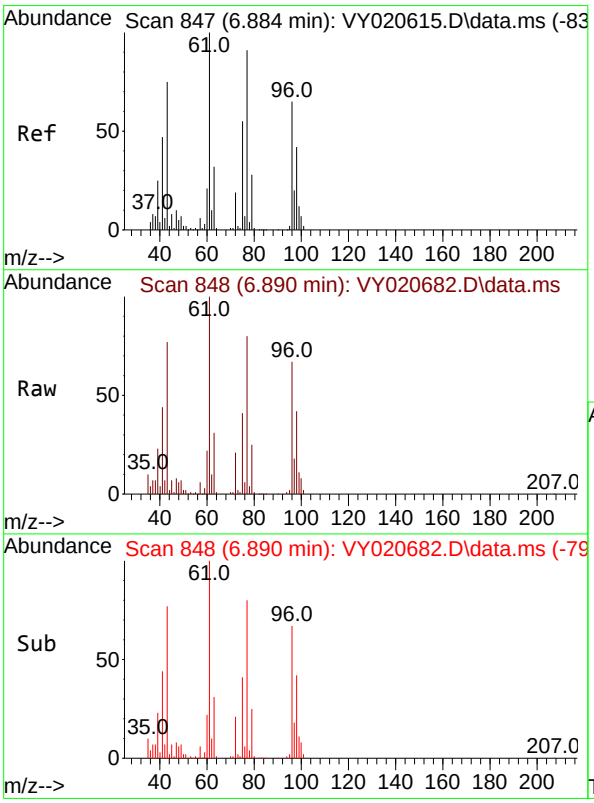
#25
2-Butanone
Concen: 247.823 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 145082

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.6	31.0

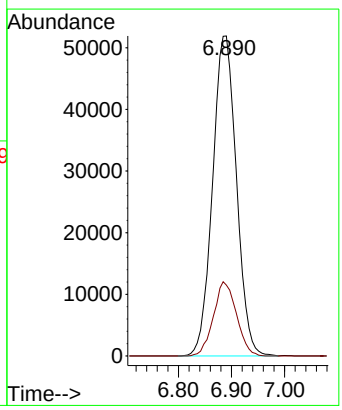


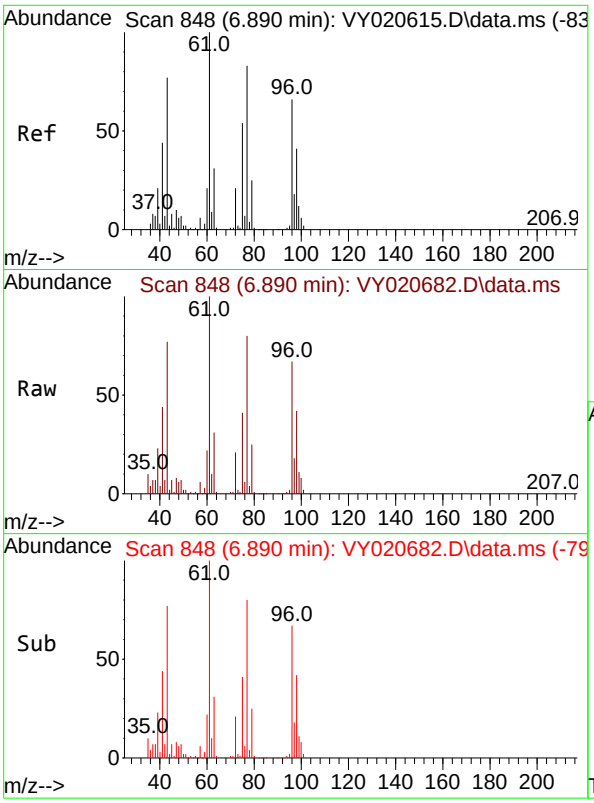


#26
2,2-Dichloropropane
Concen: 45.653 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 77 Resp: 162135

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6



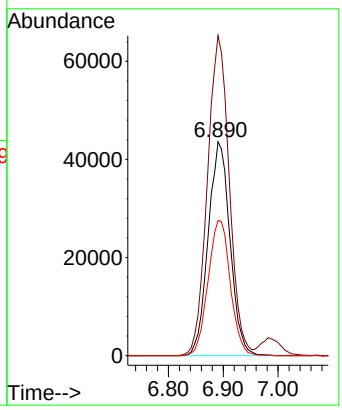


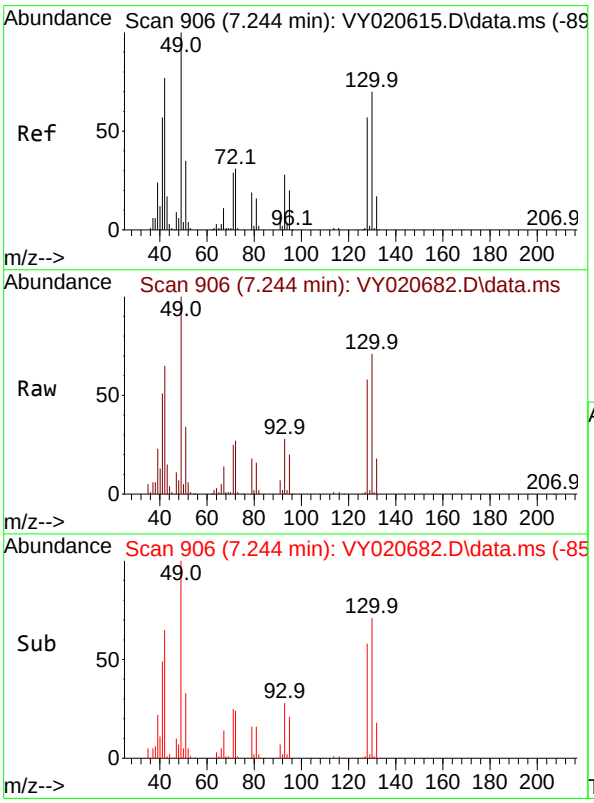
#27
cis-1,2-Dichloroethene
Concen: 51.699 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

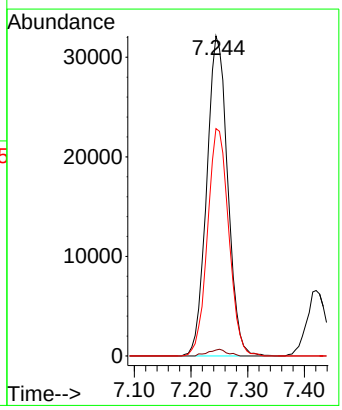


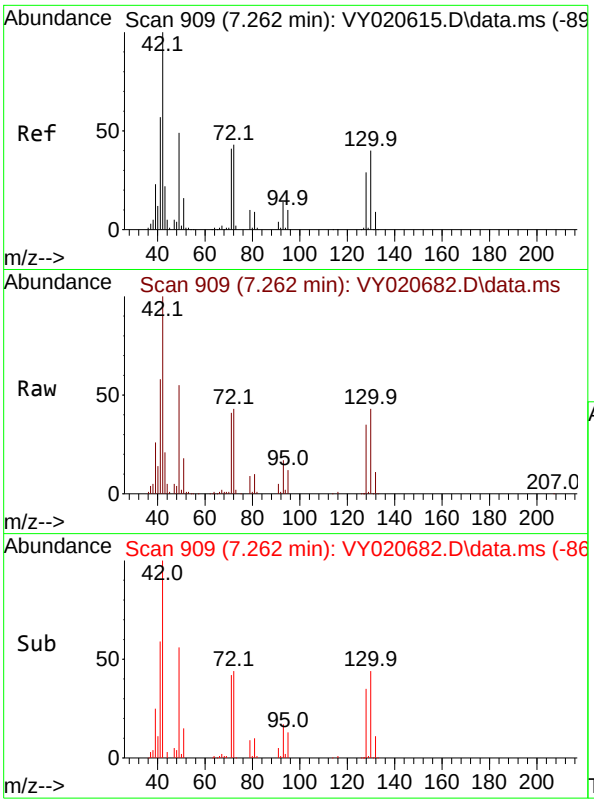


#28
Bromochloromethane
Concen: 65.015 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



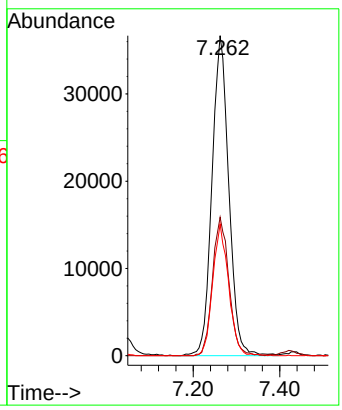


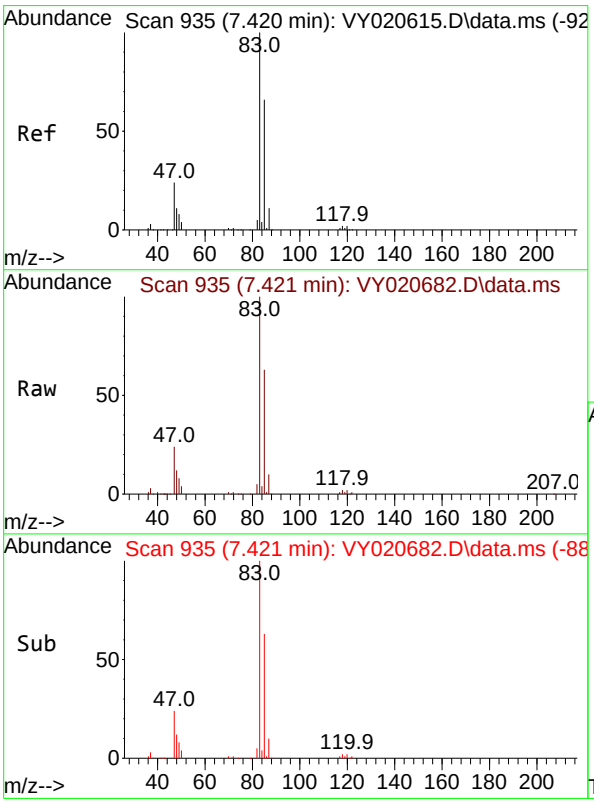
#29
Tetrahydrofuran
Concen: 268.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

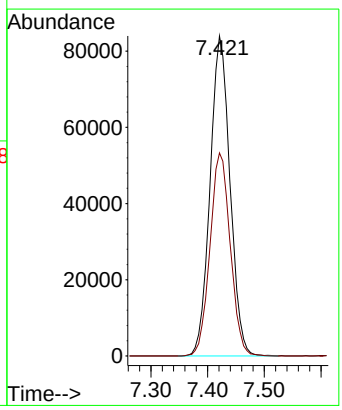


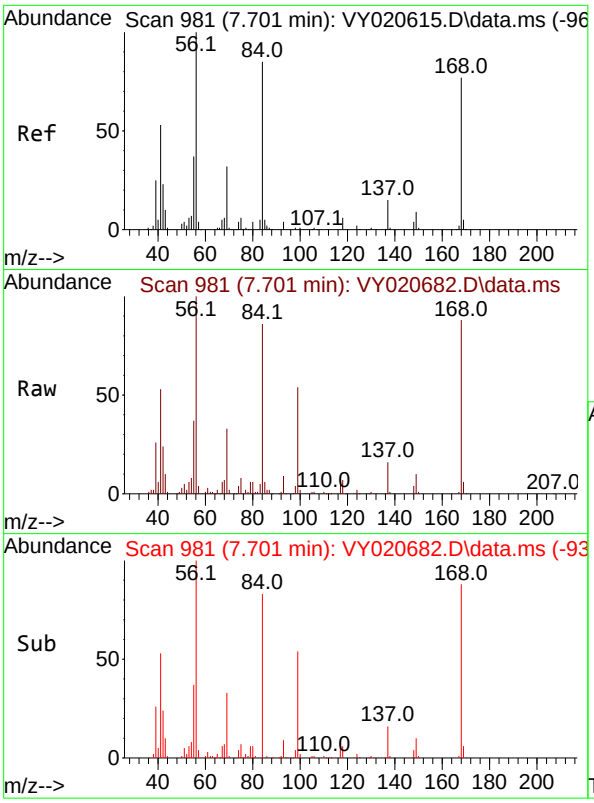


#30
Chloroform
Concen: 54.780 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 204738

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1



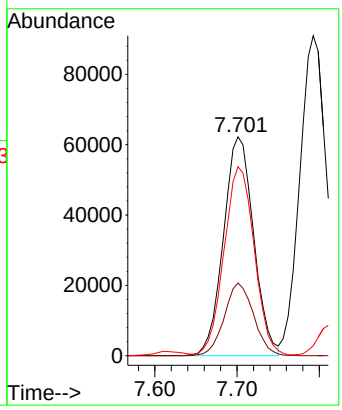


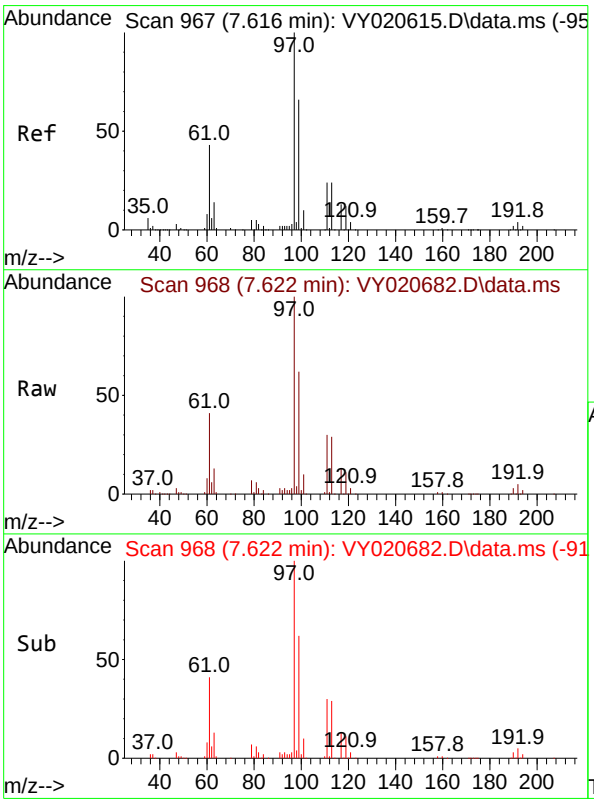
#31
Cyclohexane
Concen: 44.289 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

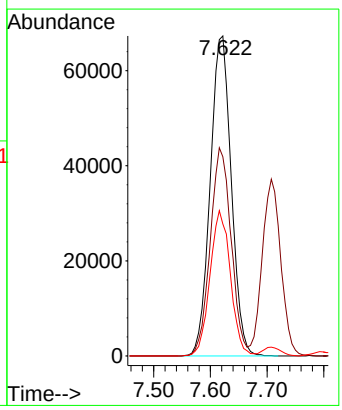


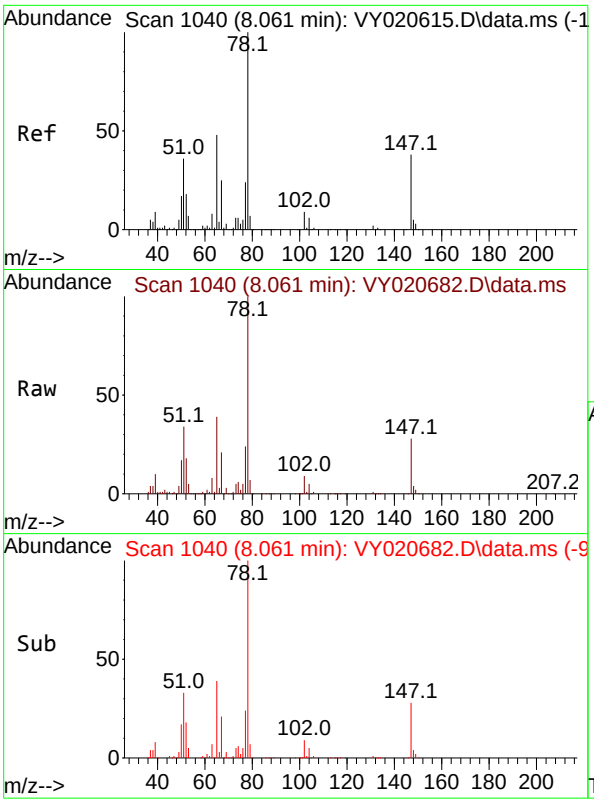


#32
1,1,1-Trichloroethane
Concen: 50.188 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



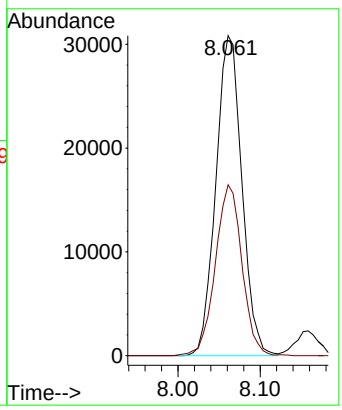


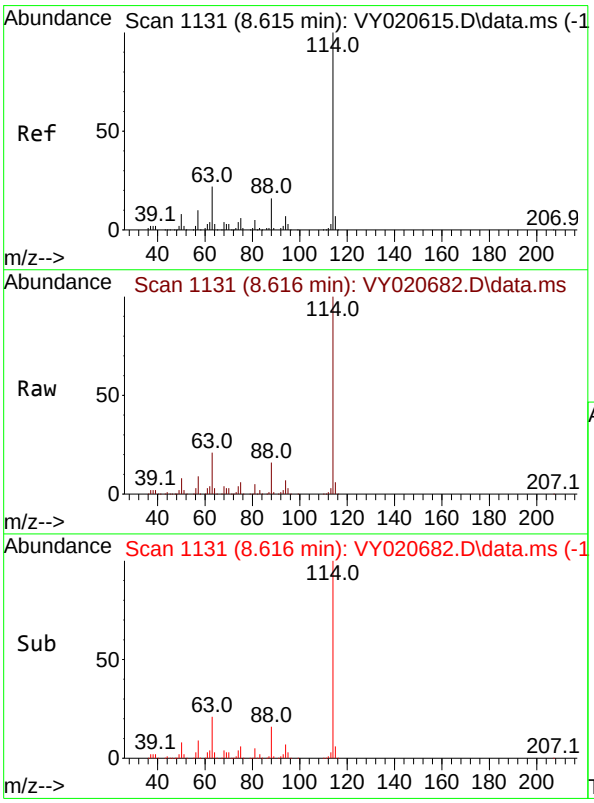
#33
1,2-Dichloroethane-d4
Concen: 43.111 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 67912

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.0

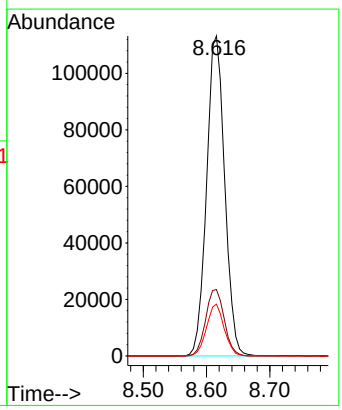


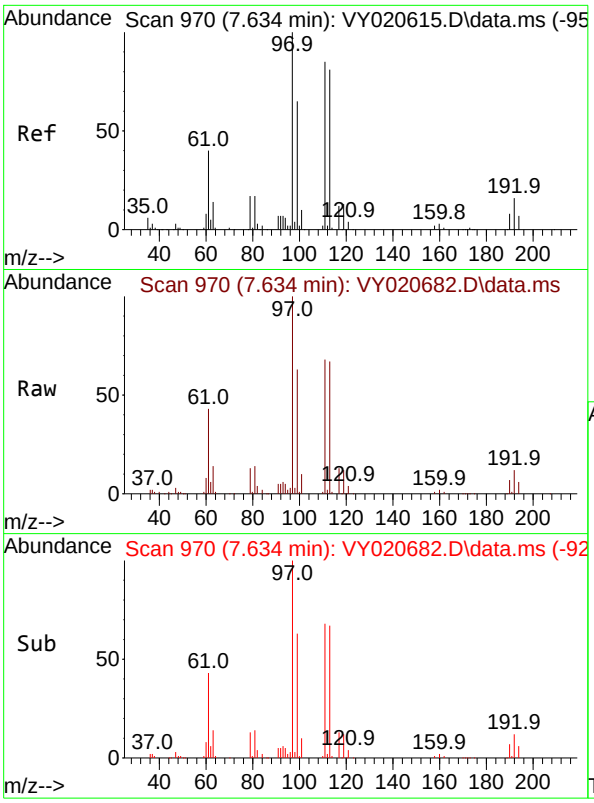


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



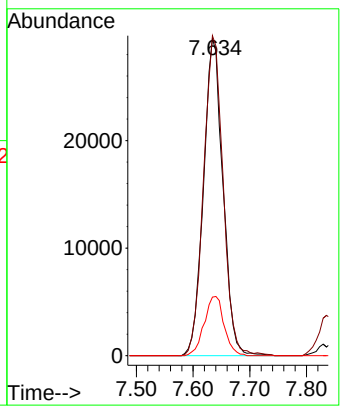


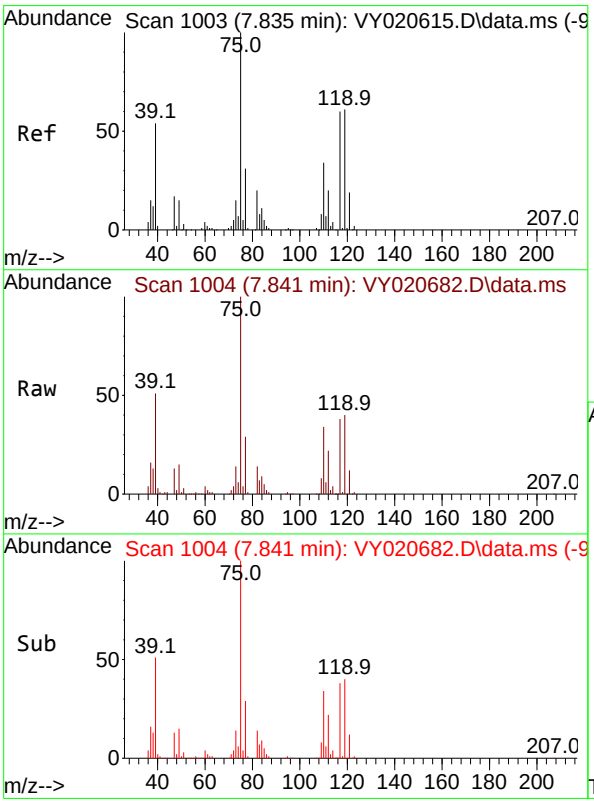
#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

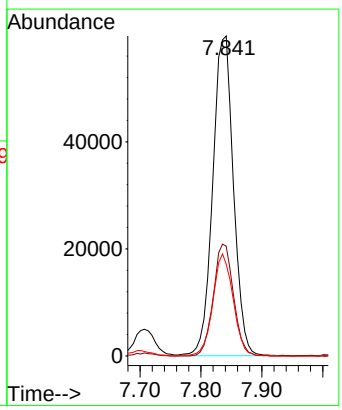


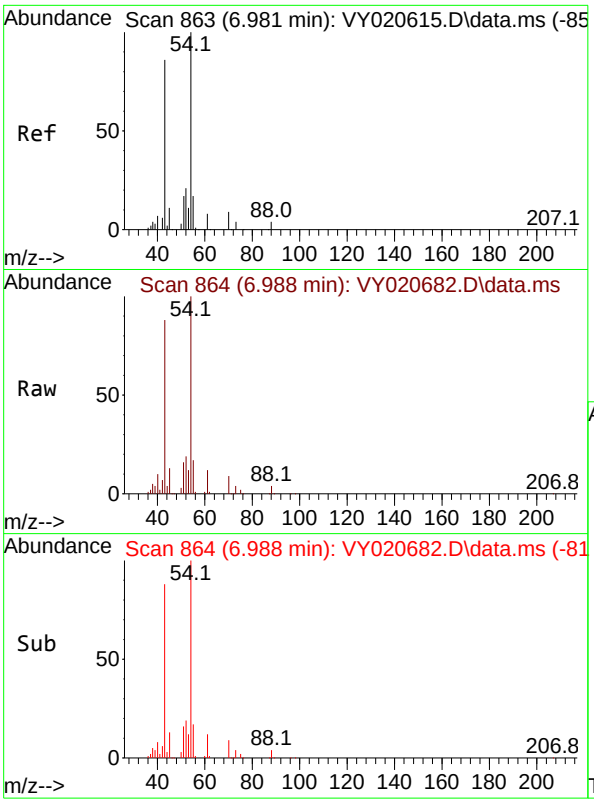


#36
1,1-Dichloropropene
Concen: 48.693 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



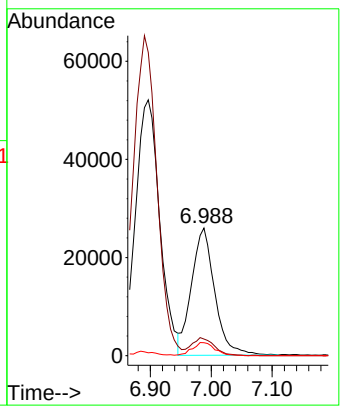


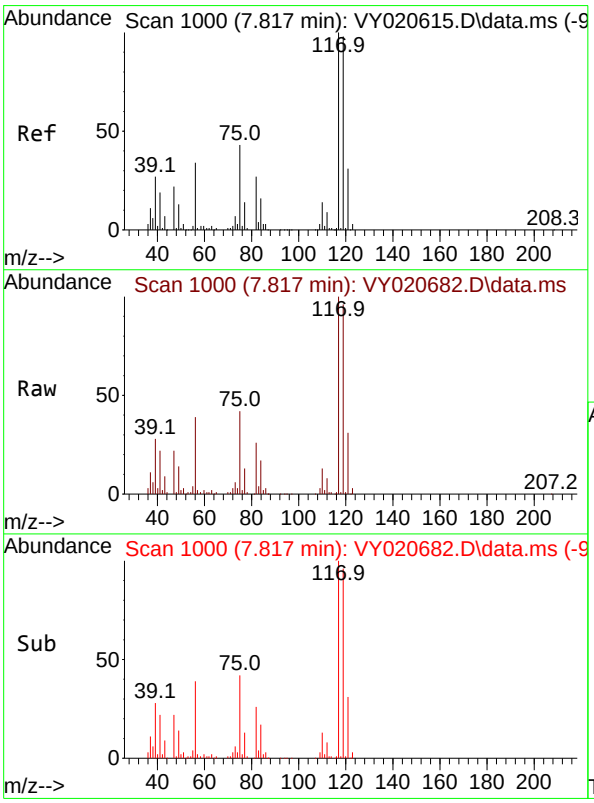
#37
Ethyl Acetate
Concen: 50.601 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

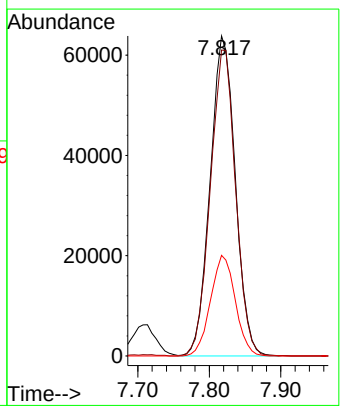


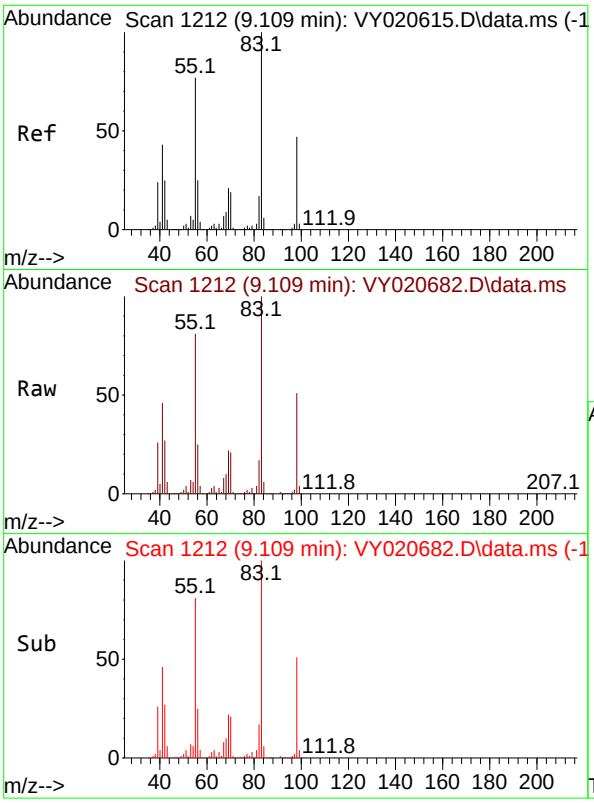


#38
Carbon Tetrachloride
Concen: 48.699 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



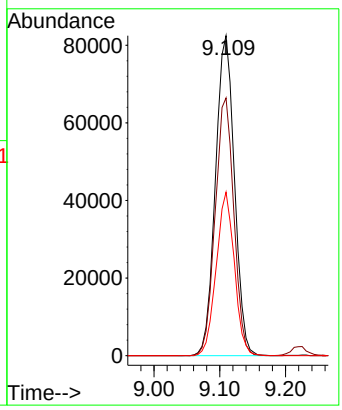


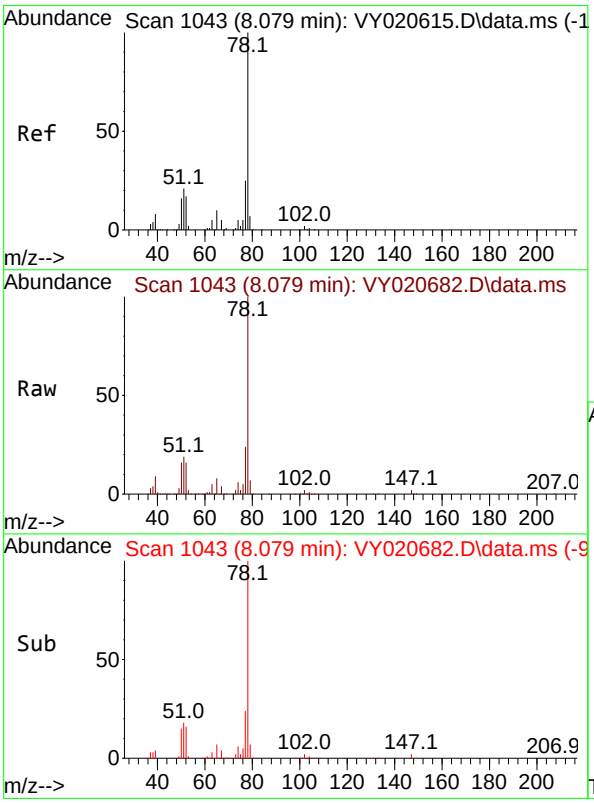
#39
Methylcyclohexane
Concen: 43.957 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

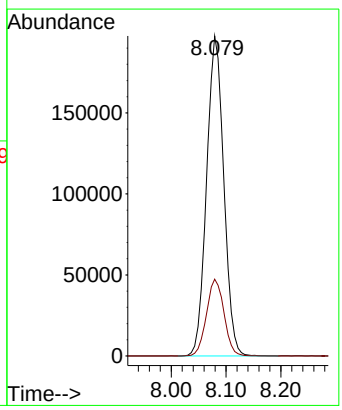


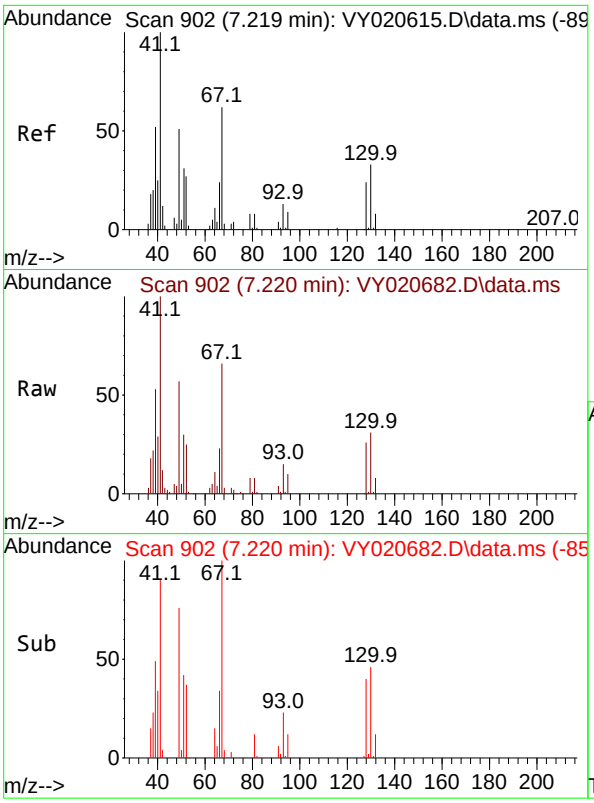


#40
Benzene
Concen: 50.578 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 78 Resp: 429017

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



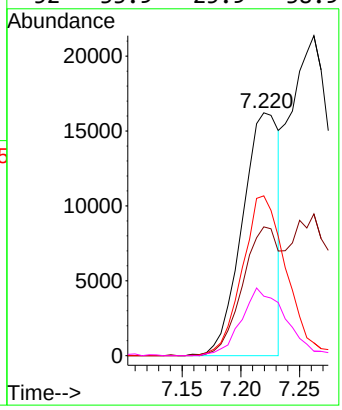


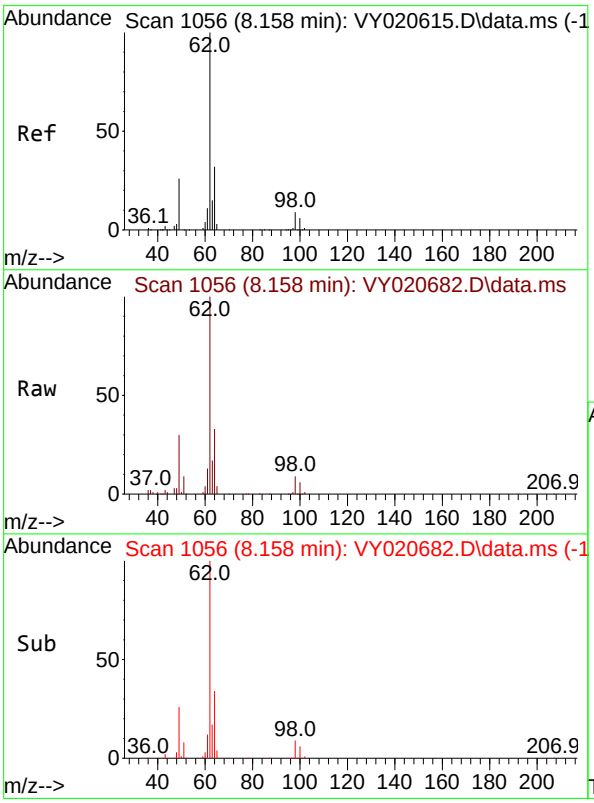
#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

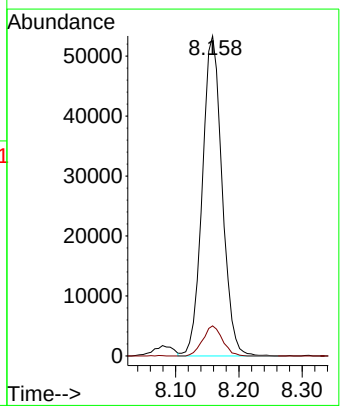


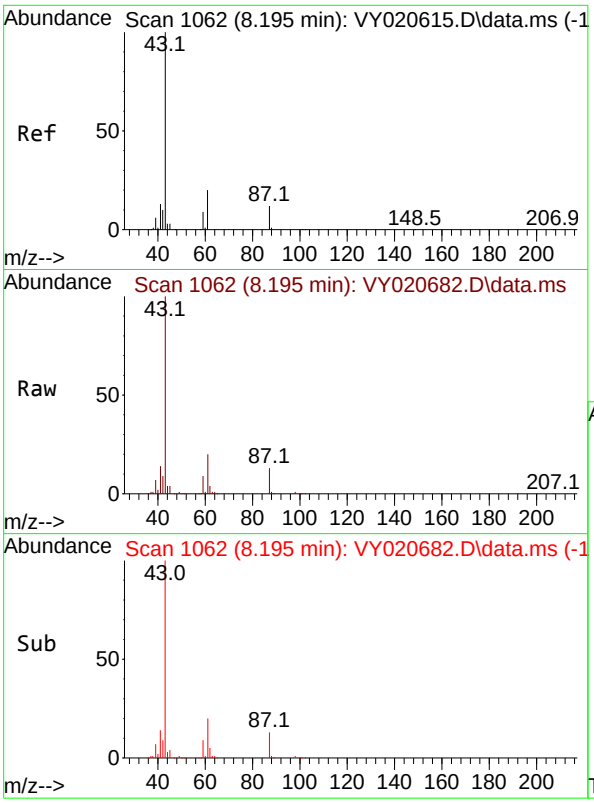


#42
1,2-Dichloroethane
Concen: 51.589 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 116059

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



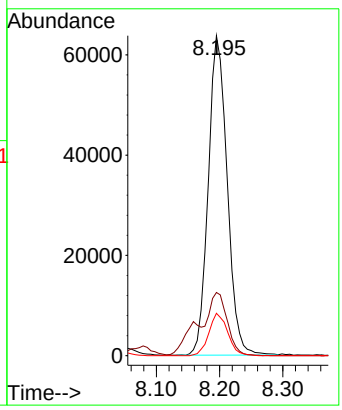


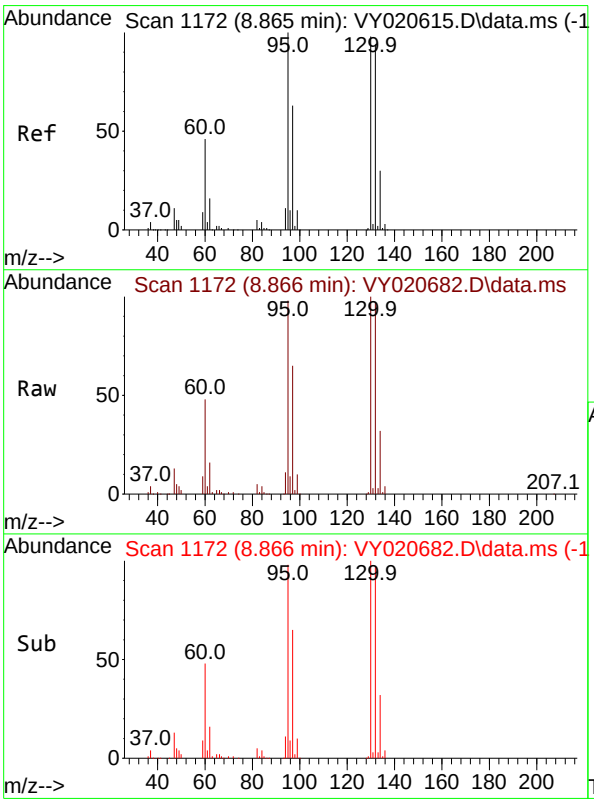
#43
Isopropyl Acetate
Concen: 51.476 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

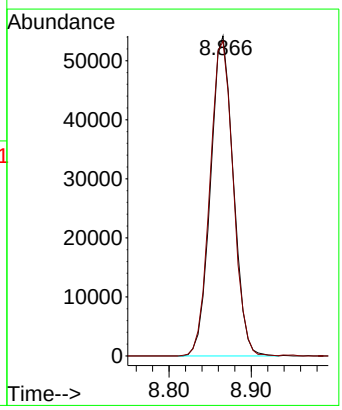


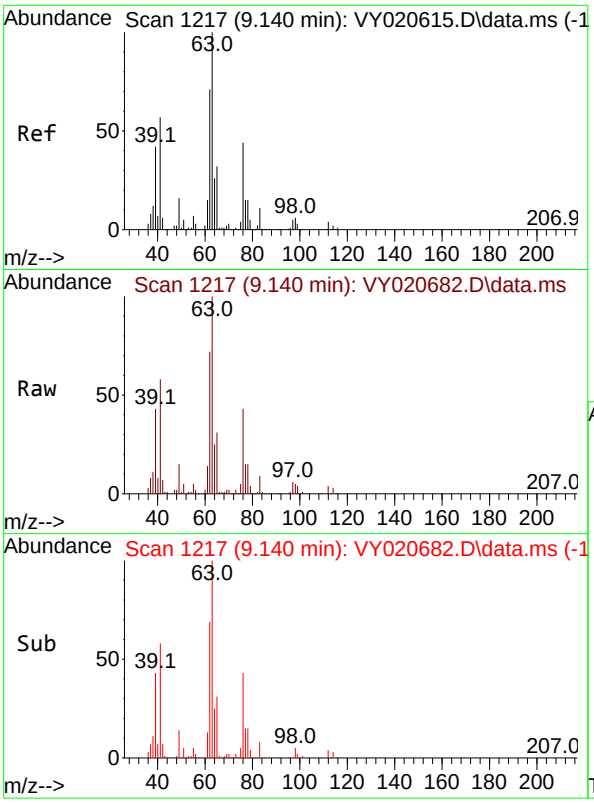


#44
Trichloroethene
Concen: 50.065 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:130 Resp: 104350

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	203.2



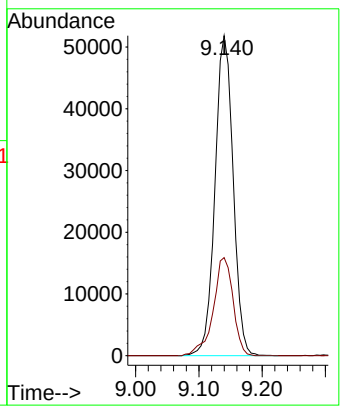


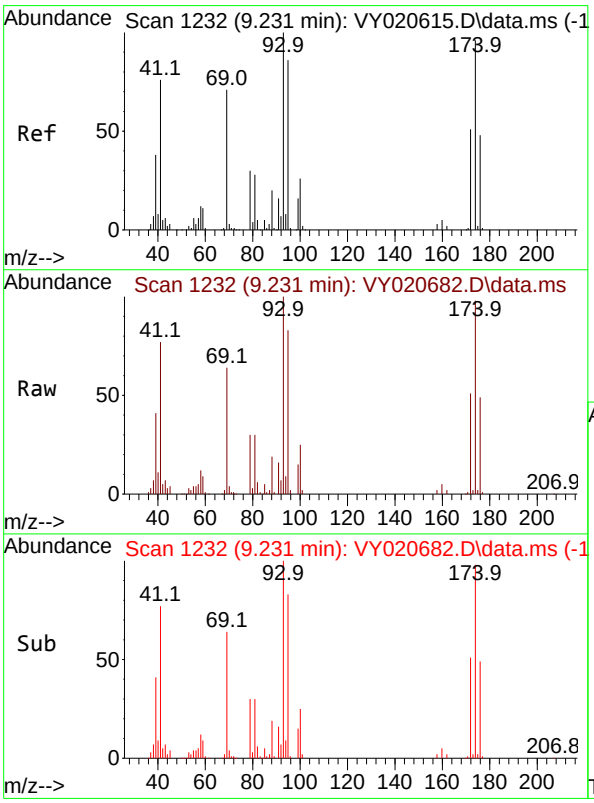
#45
1,2-Dichloropropane
Concen: 51.953 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 102993

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.9	38.9

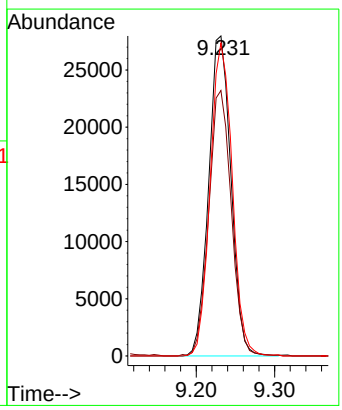


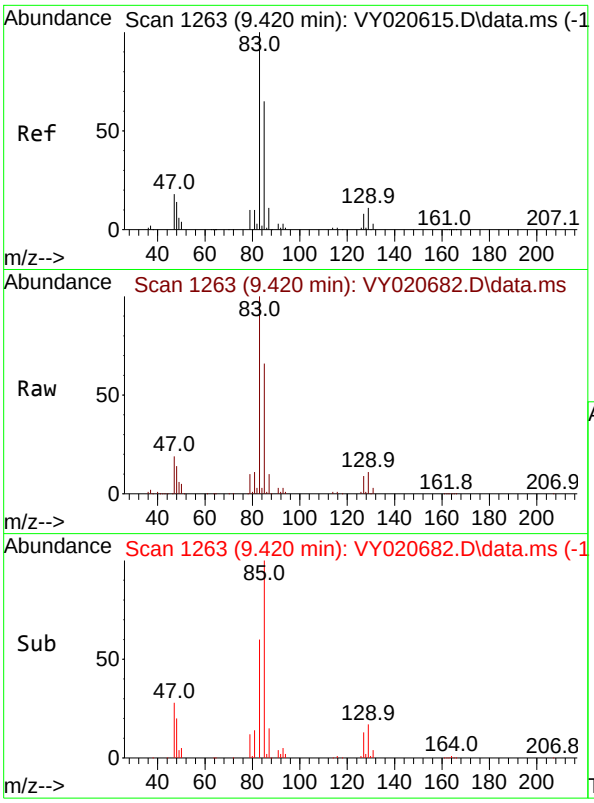


#46
Dibromomethane
Concen: 52.734 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



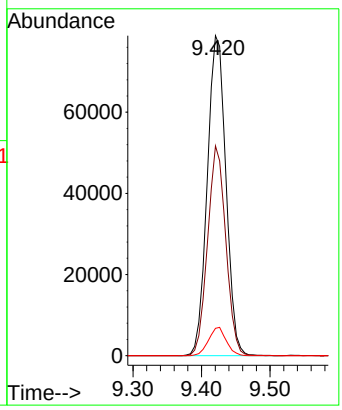


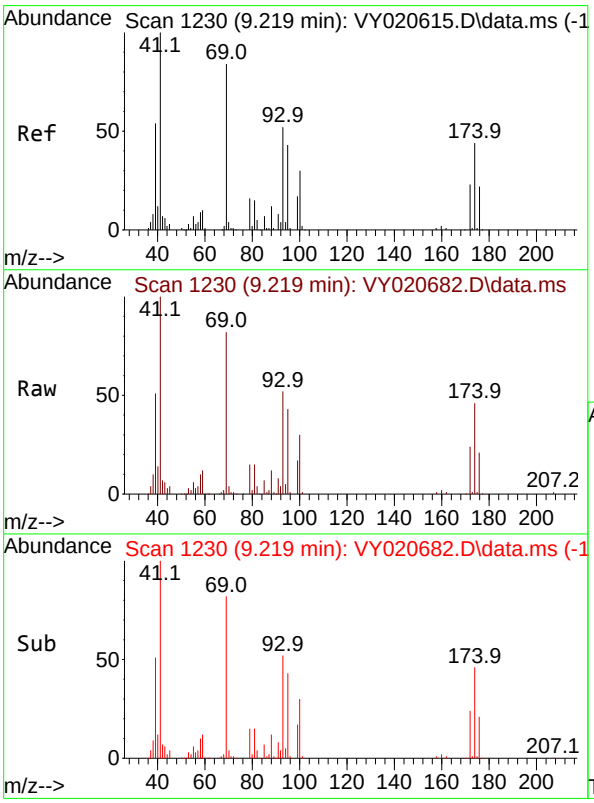
#47
Bromodichloromethane
Concen: 52.643 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

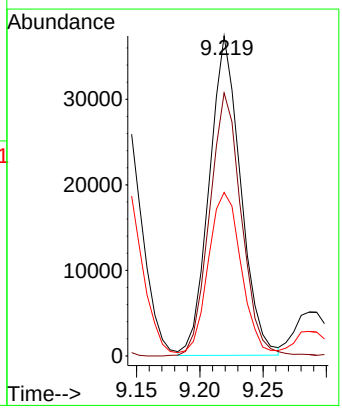


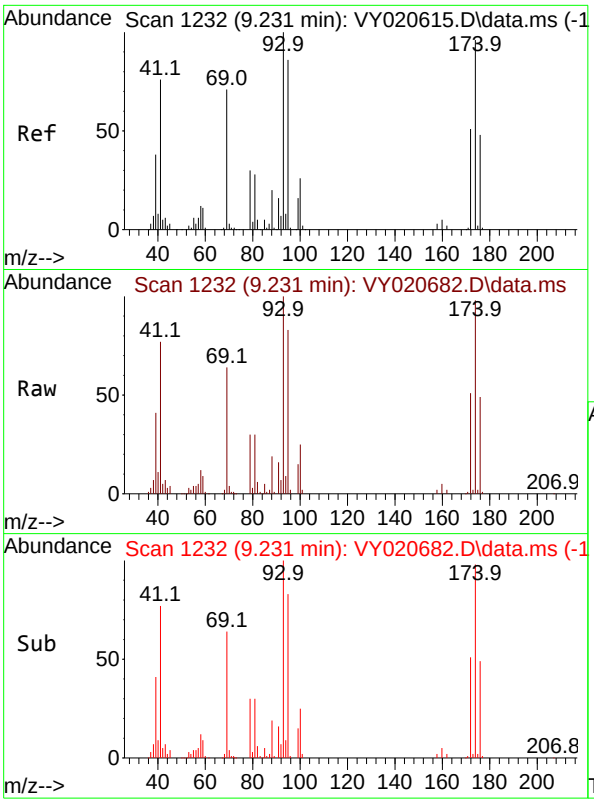


#48
Methyl methacrylate
Concen: 52.516 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



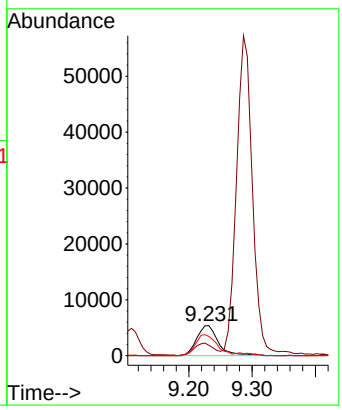


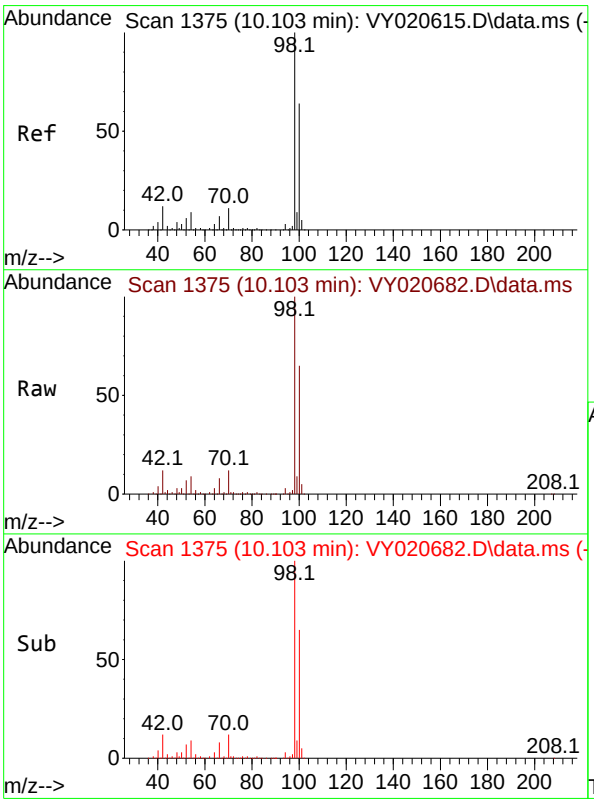
#49
1,4-Dioxane
Concen: 1069.318 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

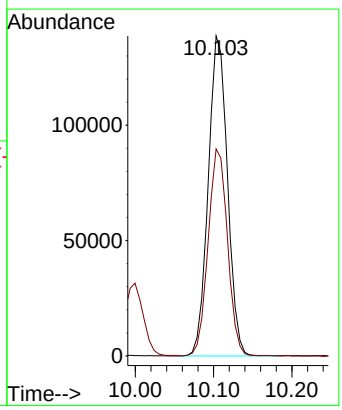


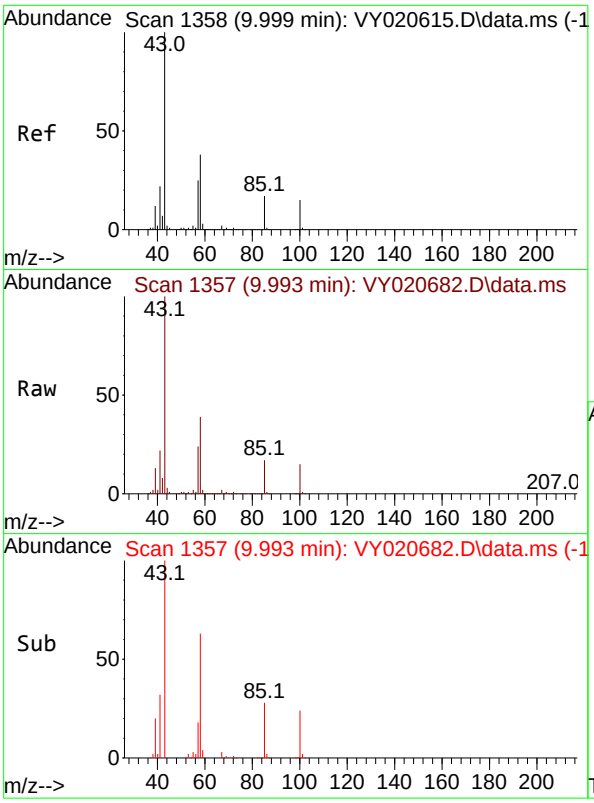


#50
Toluene-d8
Concen: 42.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 98 Resp: 236316

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



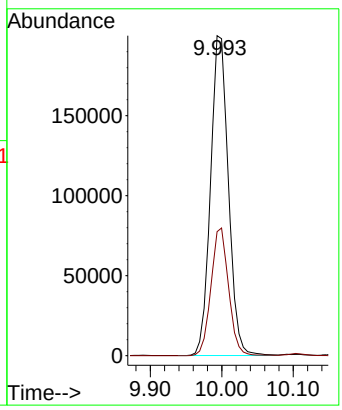


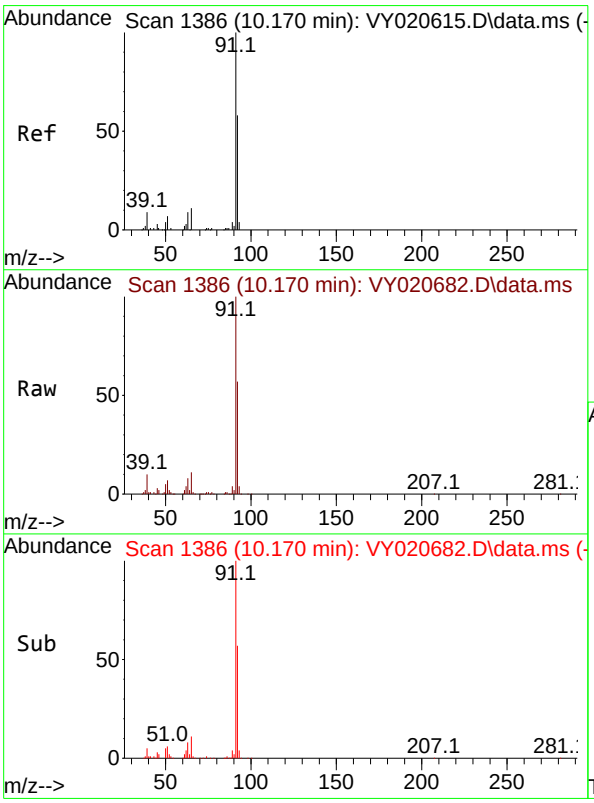
#51
4-Methyl-2-Pentanone
Concen: 255.175 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 347100

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

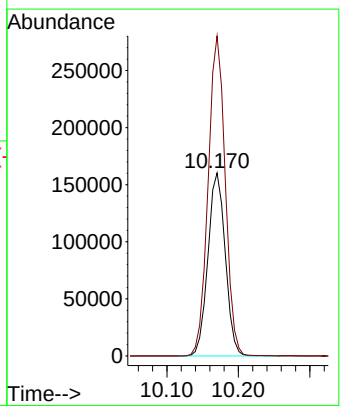


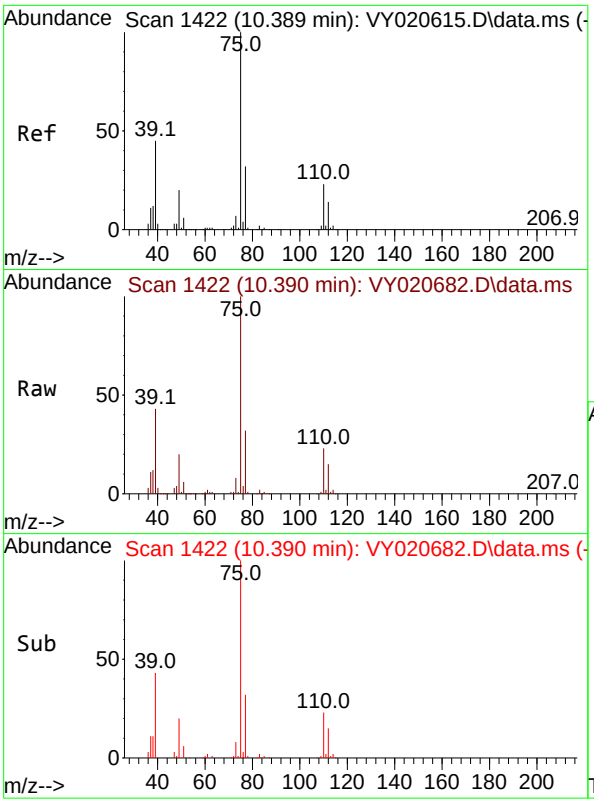


#52
Toluene
Concen: 51.164 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 92 Resp: 269709

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.4	206.0



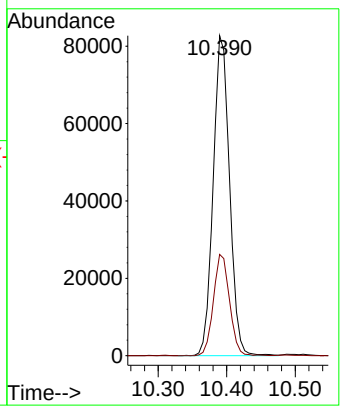


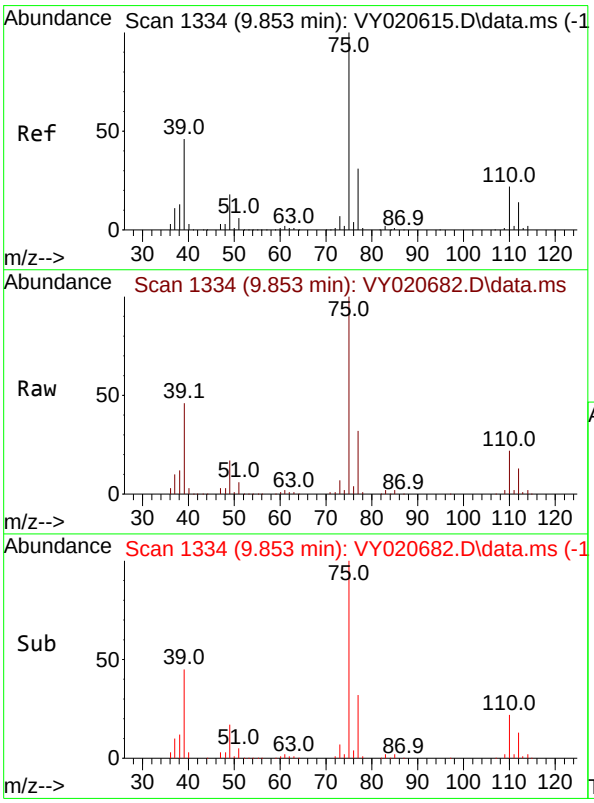
#53
t-1,3-Dichloropropene
Concen: 51.983 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 137082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

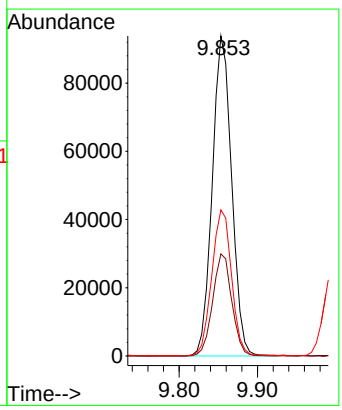


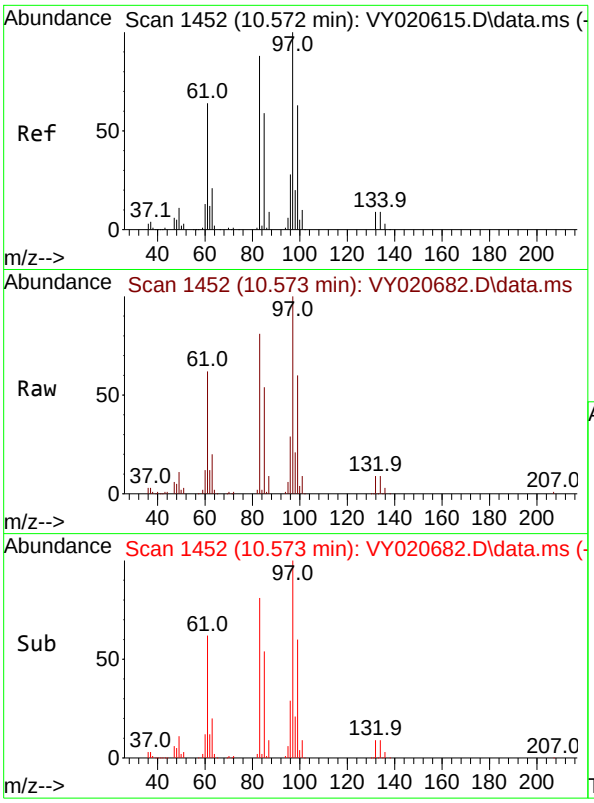


#54
cis-1,3-Dichloropropene
Concen: 51.582 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



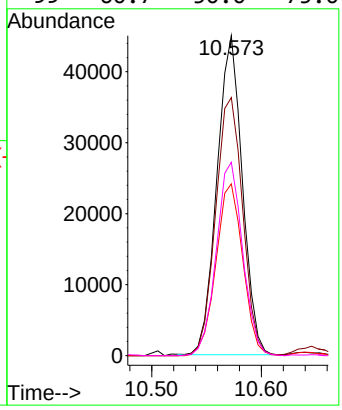


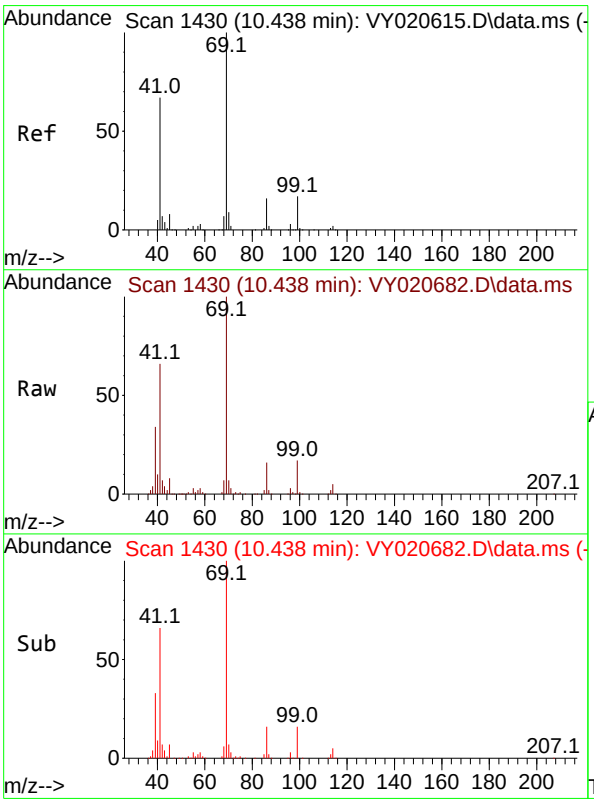
#55
1,1,2-Trichloroethane
Concen: 52.160 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

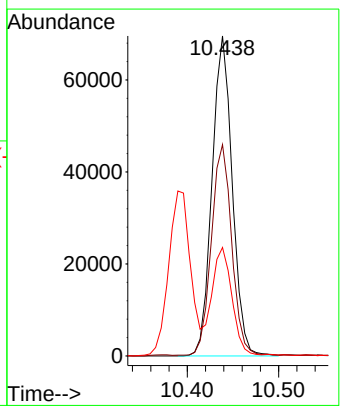


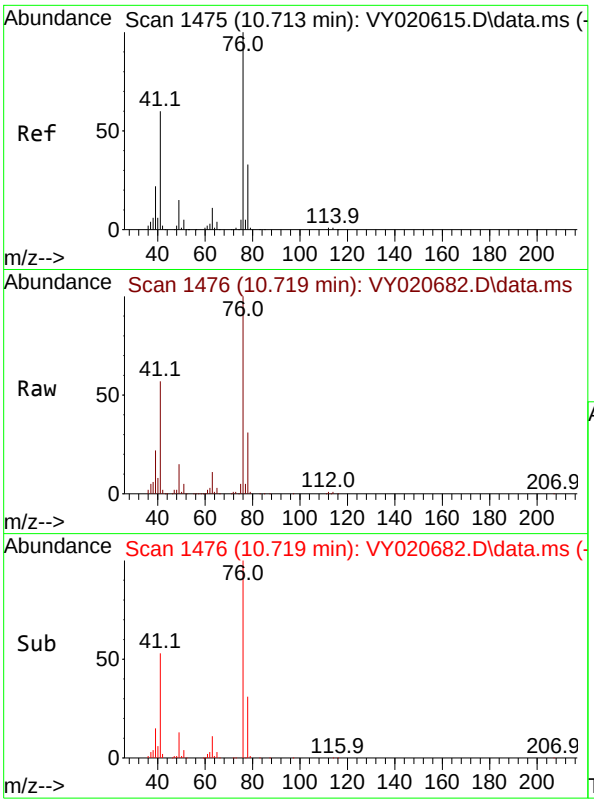


#56
Ethyl methacrylate
Concen: 53.177 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



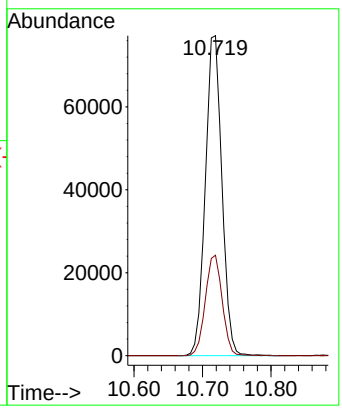


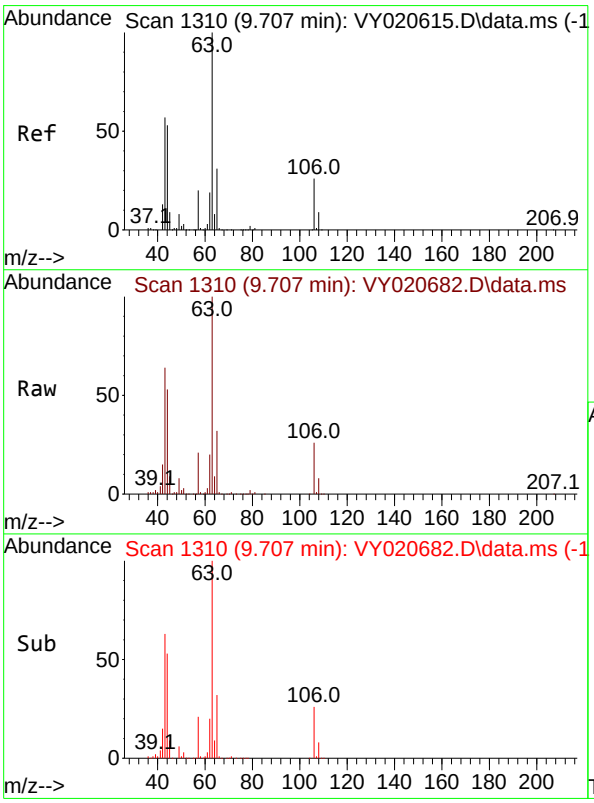
#57
1,3-Dichloropropane
Concen: 52.533 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 129720

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

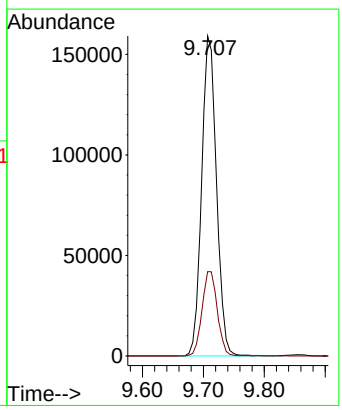


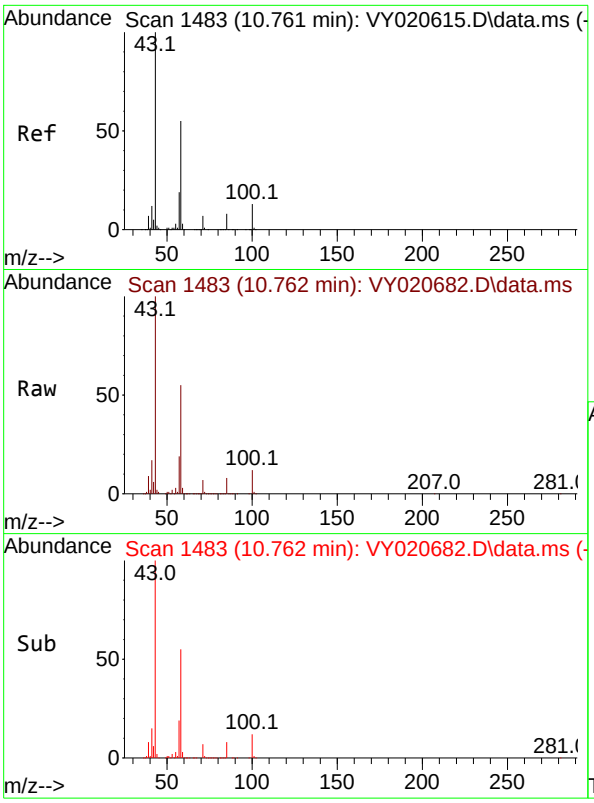


#58
2-Chloroethyl Vinyl ether
Concen: 318.460 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 269274

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



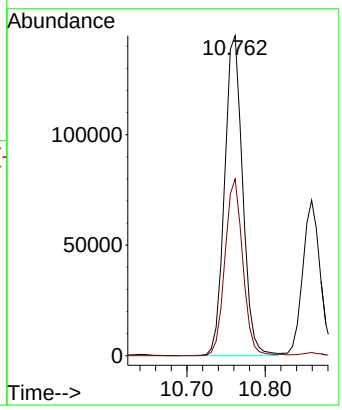


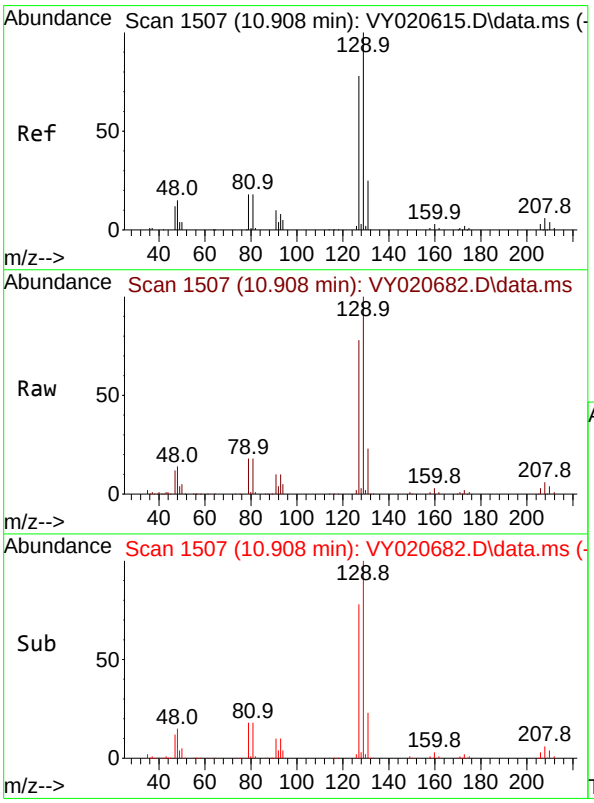
#59
2-Hexanone
Concen: 266.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 232450

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6

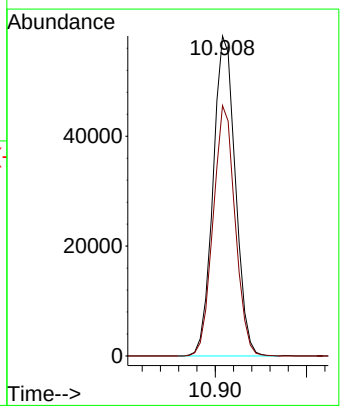


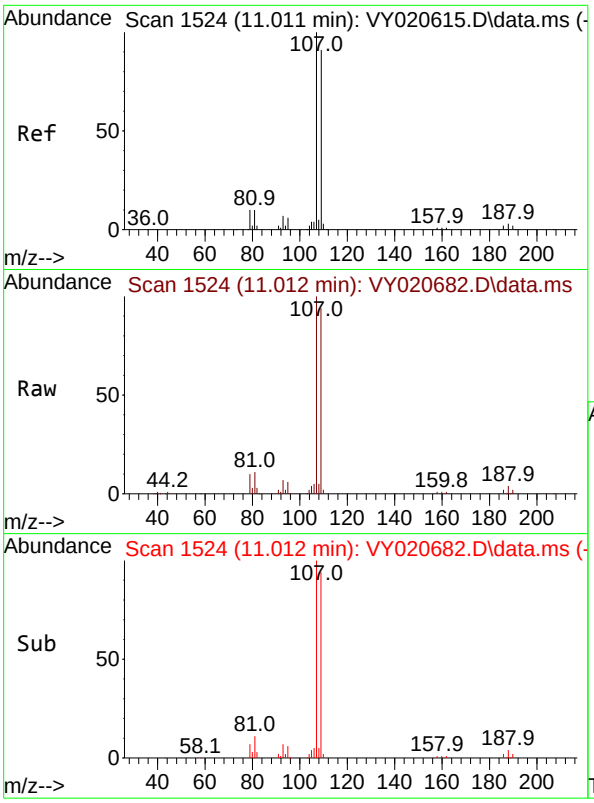


#60
Dibromochloromethane
Concen: 53.204 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:129 Resp: 98561

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3



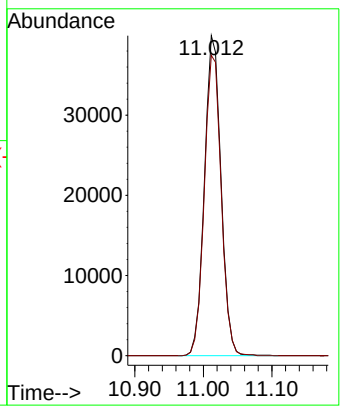


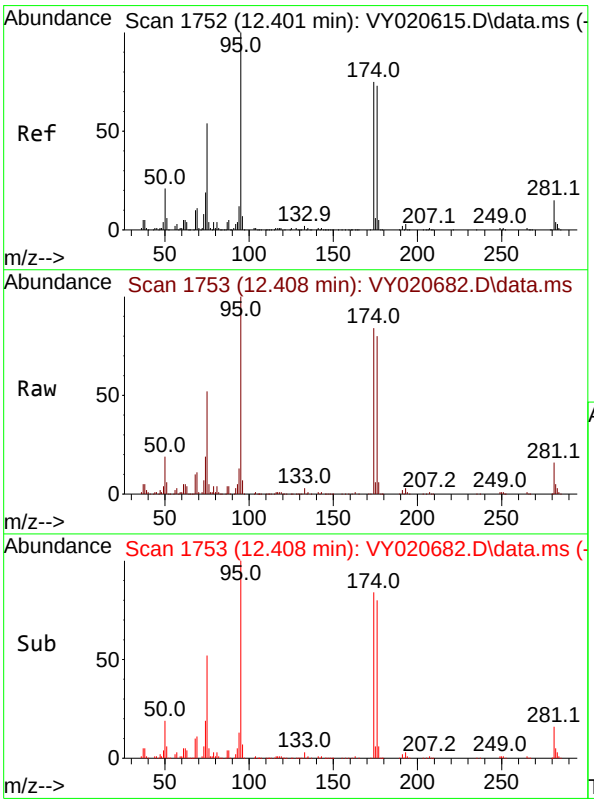
#61
1,2-Dibromoethane
Concen: 52.208 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 67268

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.2

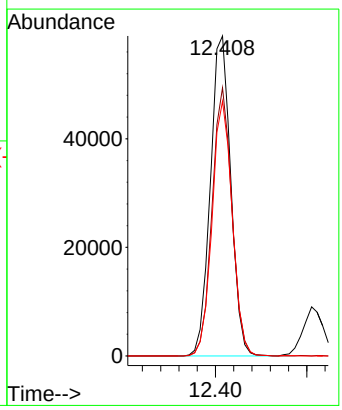


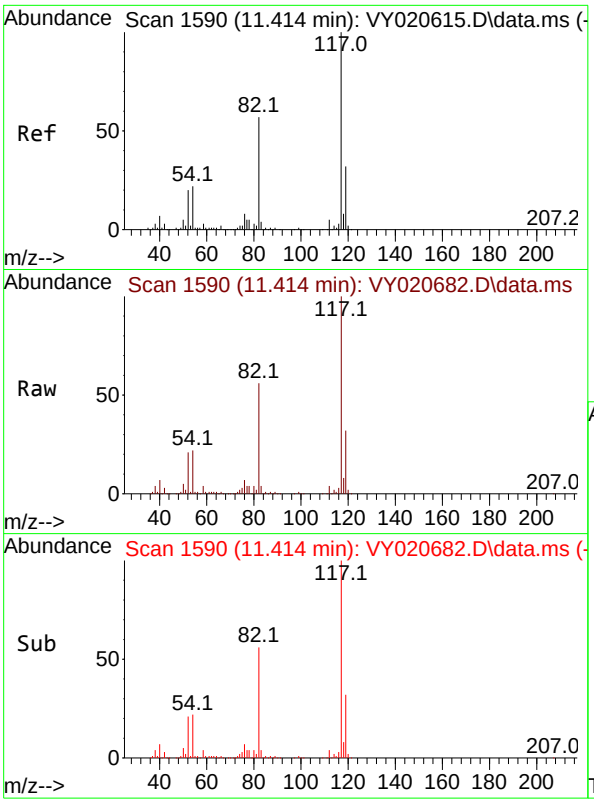


#62
4-Bromofluorobenzene
Concen: 42.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



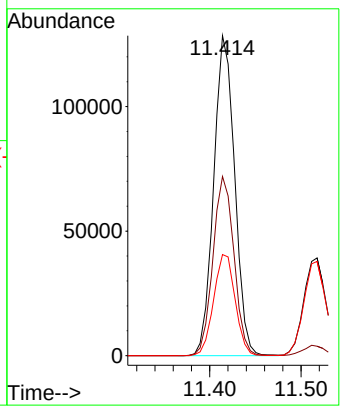


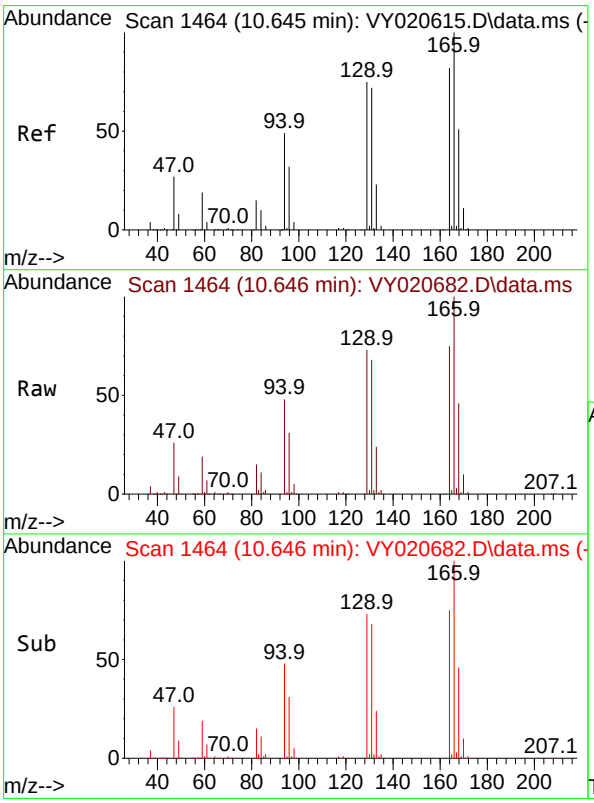
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

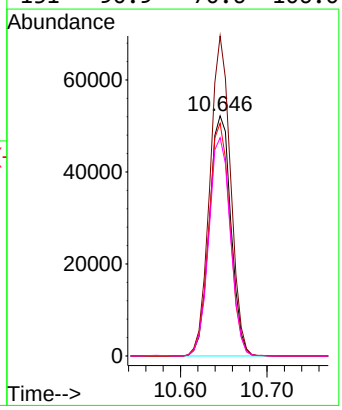


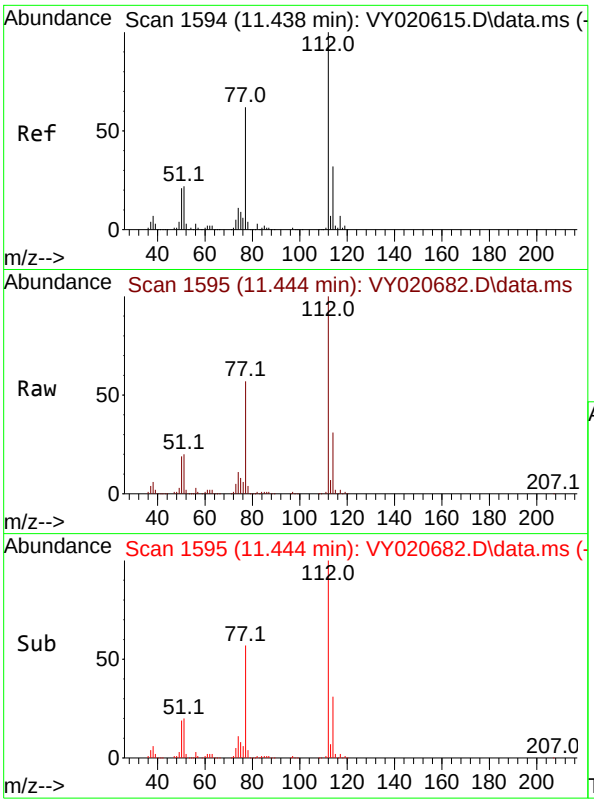


#64
Tetrachloroethene
Concen: 47.125 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



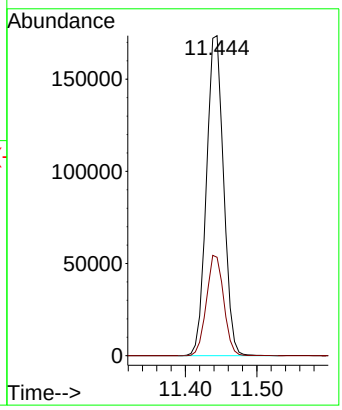


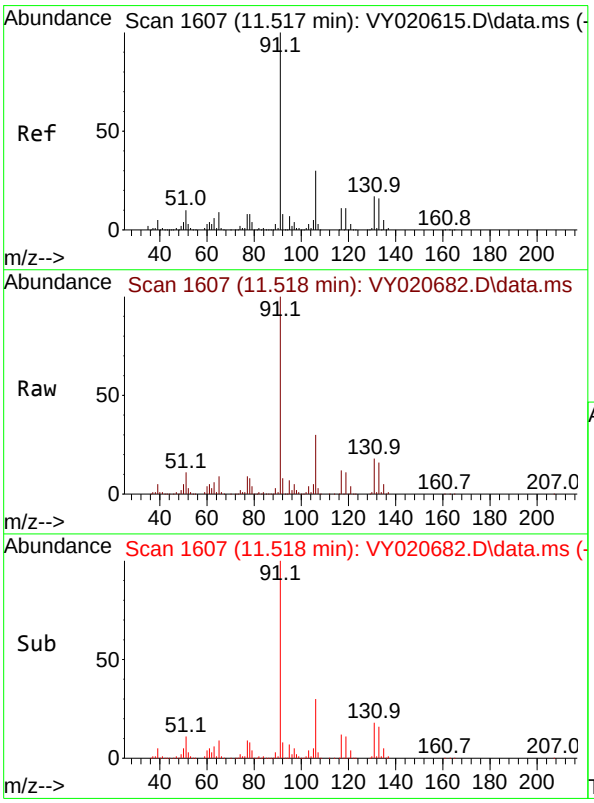
#65
Chlorobenzene
Concen: 50.396 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 288406

Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0

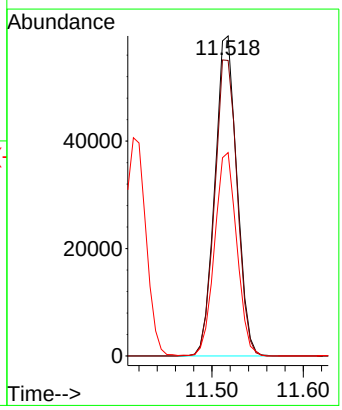


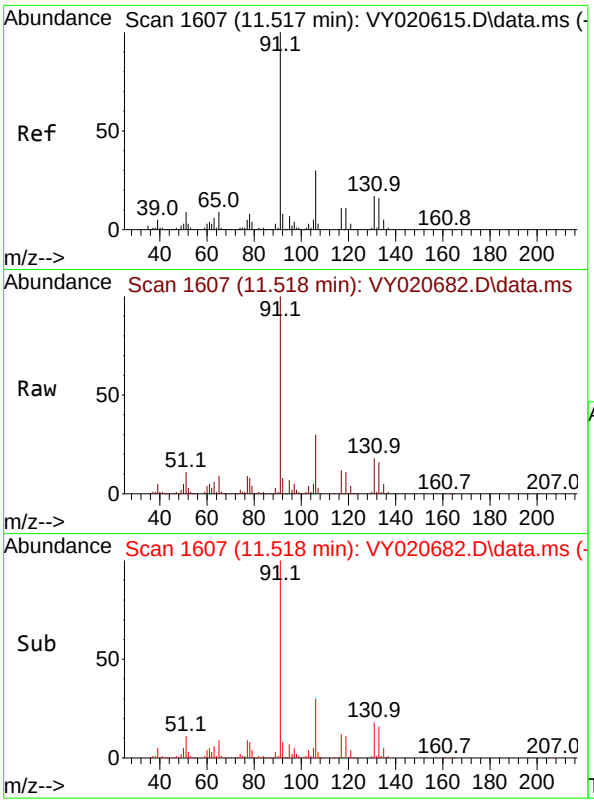


#66
1,1,1,2-Tetrachloroethane
Concen: 51.120 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



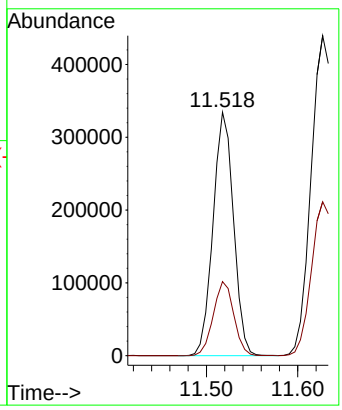


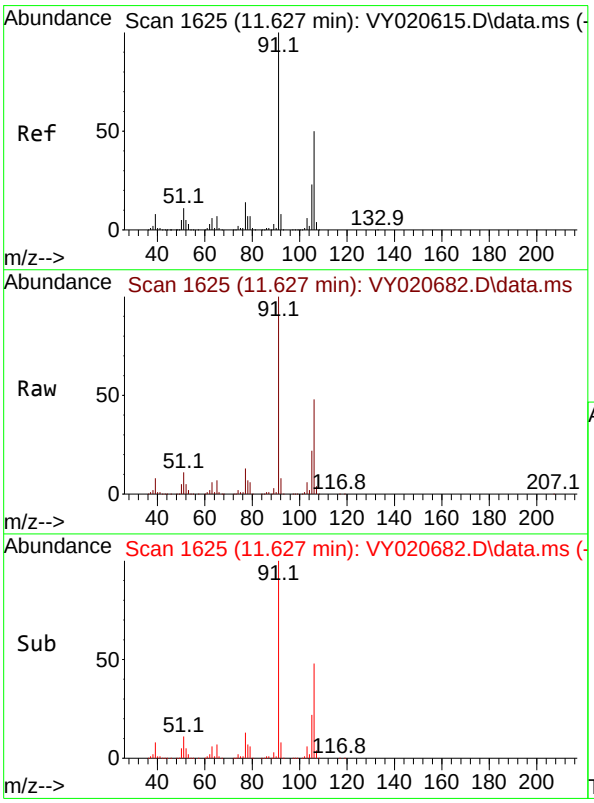
#67
Ethyl Benzene
Concen: 49.283 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 520329

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

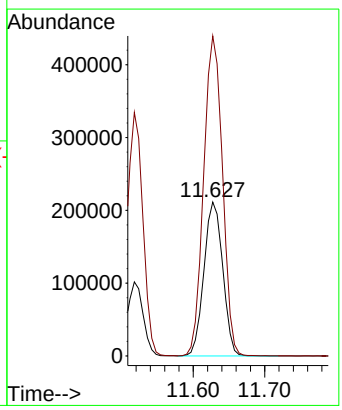


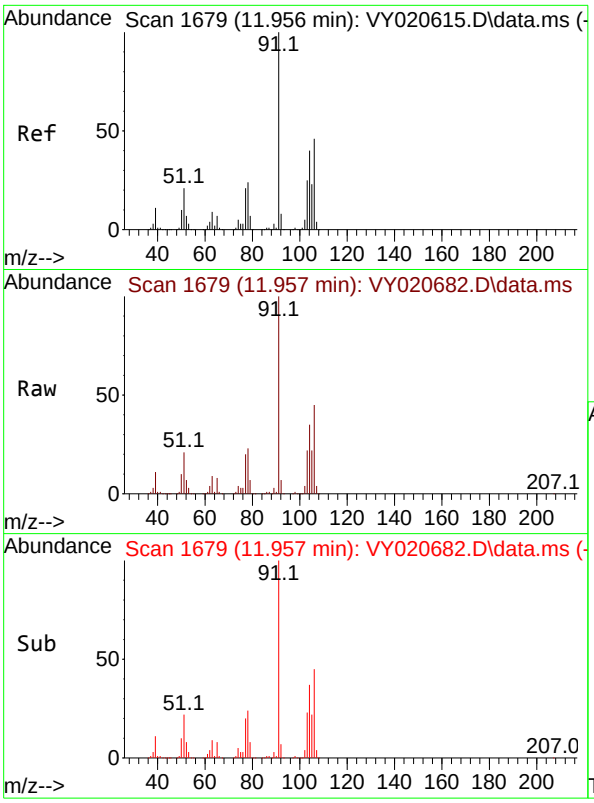


#68
m/p-Xylenes
Concen: 98.385 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:106 Resp: 386215

Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.0	247.4



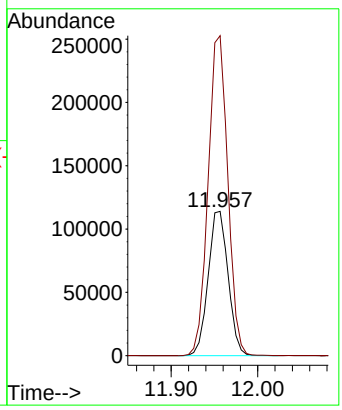


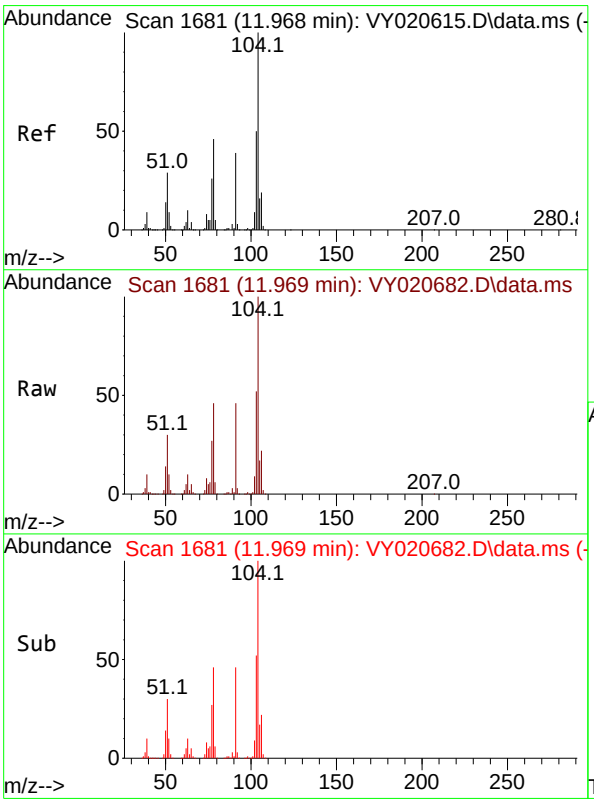
#69
o-Xylene
Concen: 49.791 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 182369

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.4	325.2

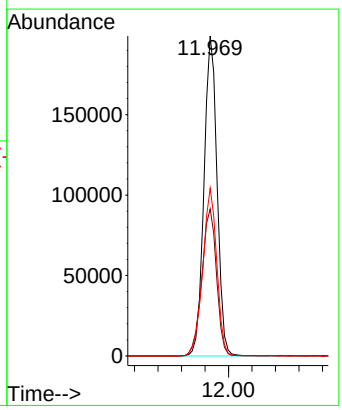


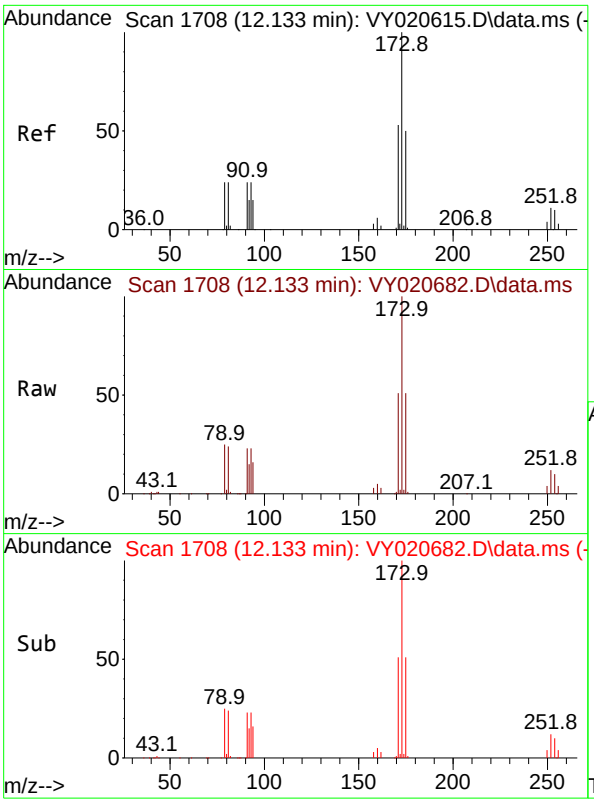


#70
Styrene
Concen: 50.345 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



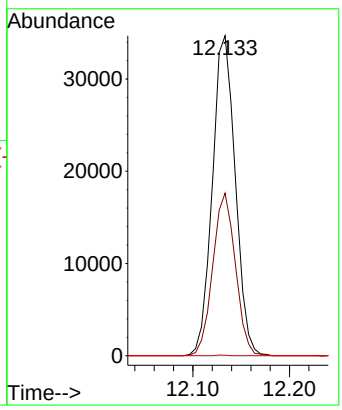


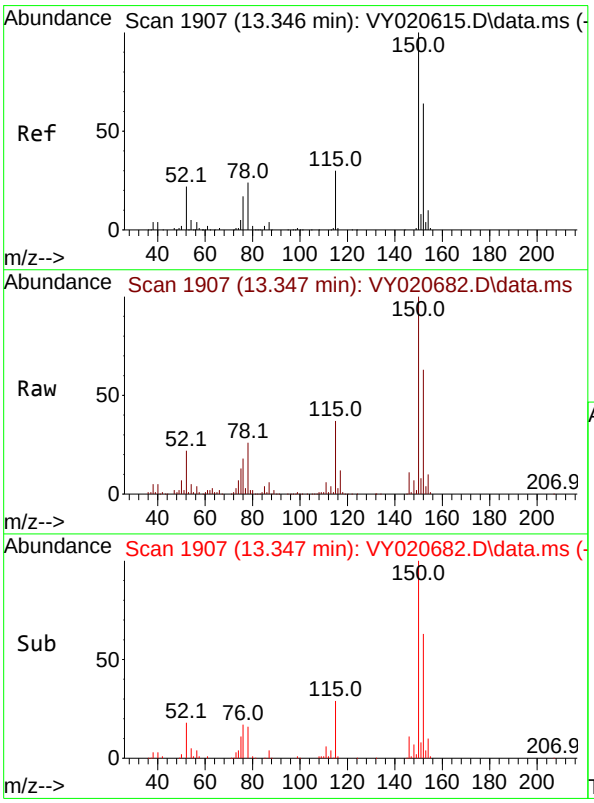
#71
Bromoform
Concen: 51.813 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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#

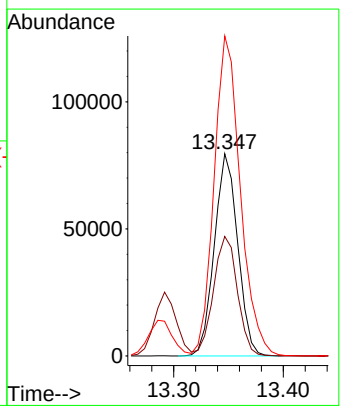


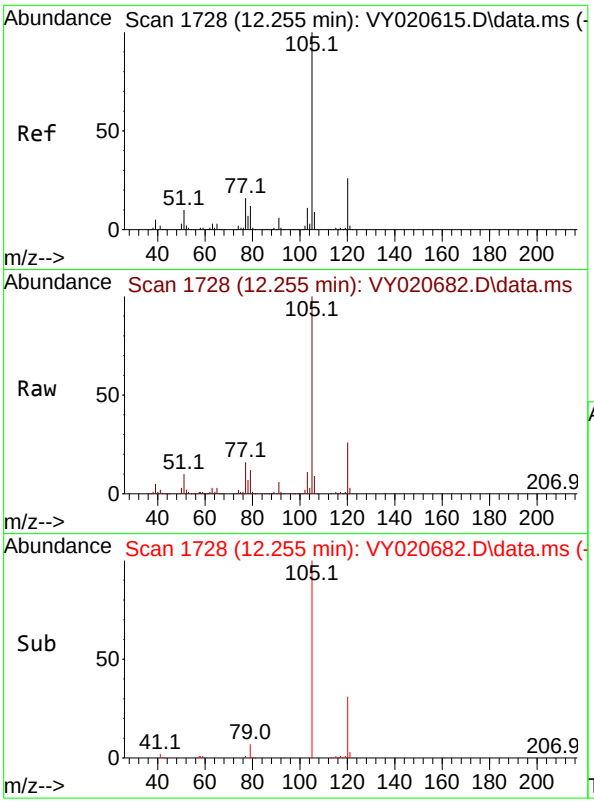


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



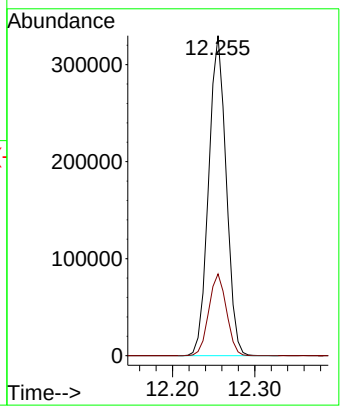


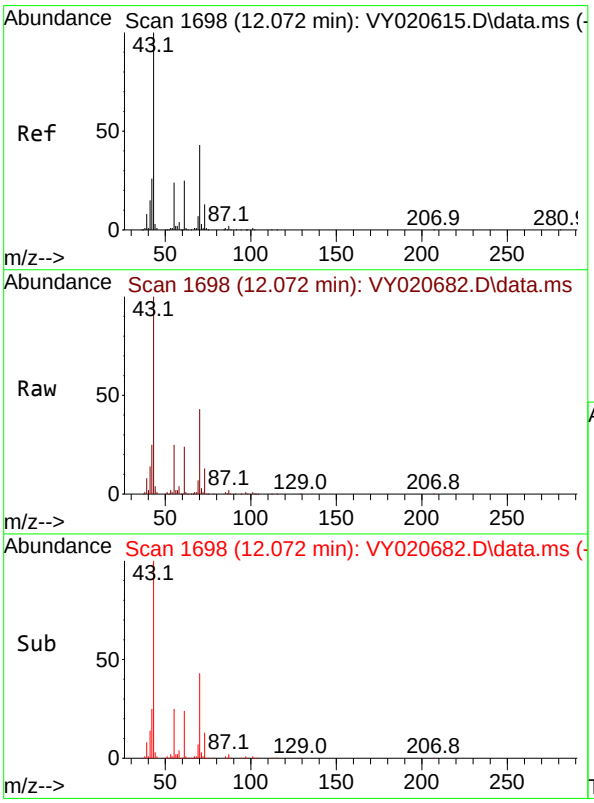
#73
Isopropylbenzene
Concen: 47.402 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 488221

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1

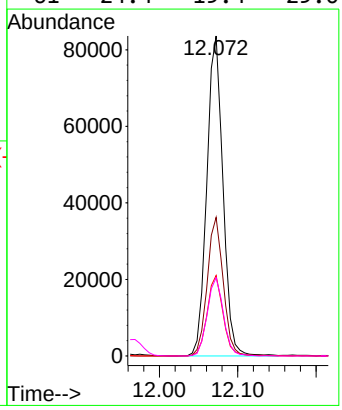


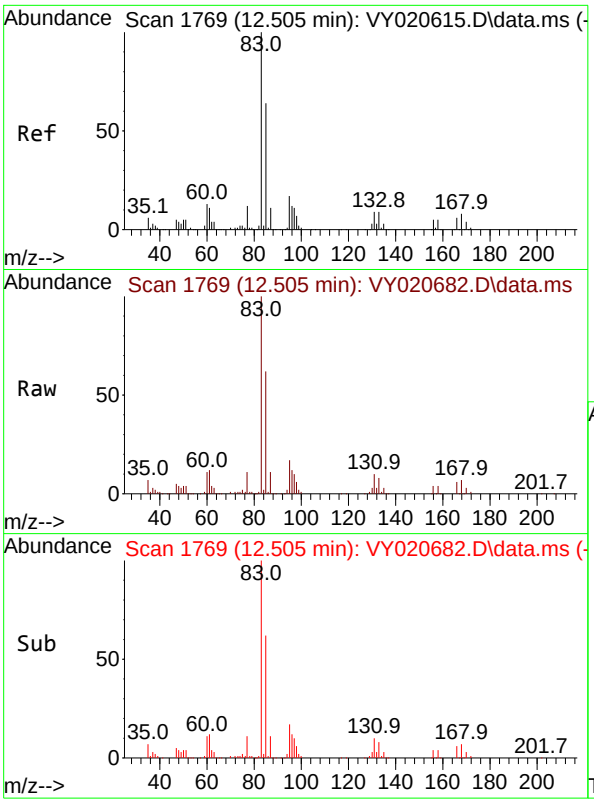


#74
N-amyl acetate
Concen: 49.676 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



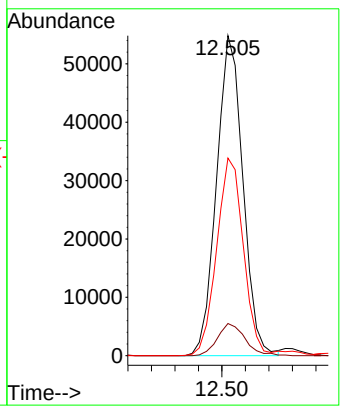


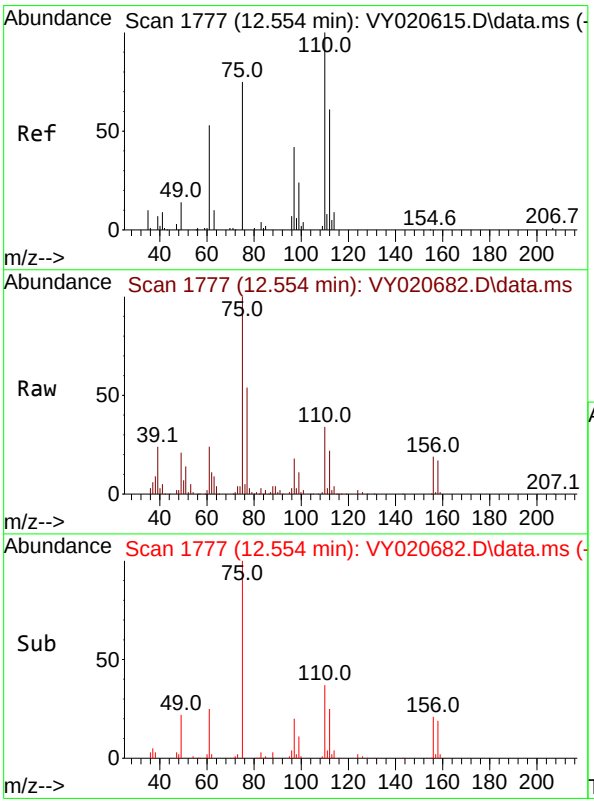
#75
1,1,2,2-Tetrachloroethane
Concen: 51.155 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

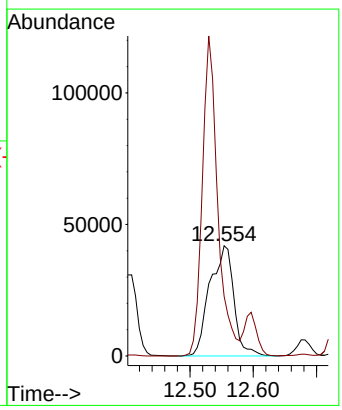


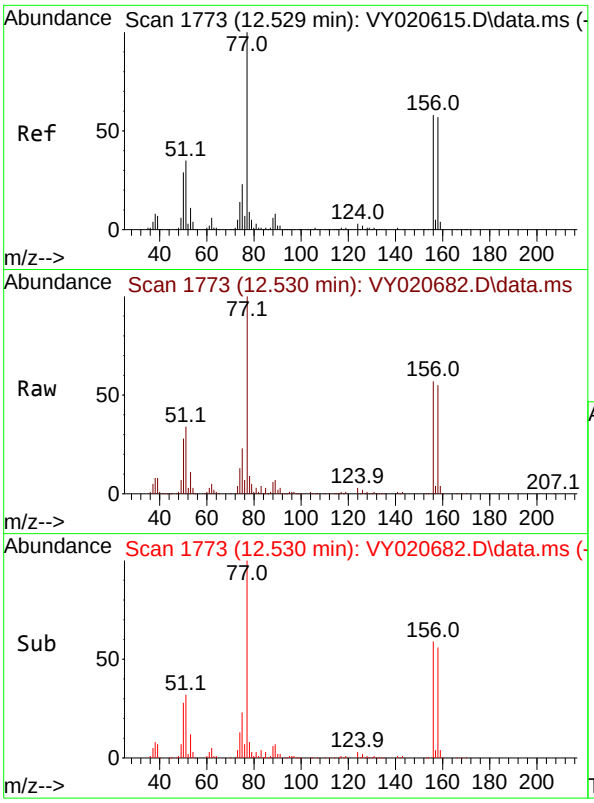


#76
1,2,3-Trichloropropane
Concen: 89.947 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 110281

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



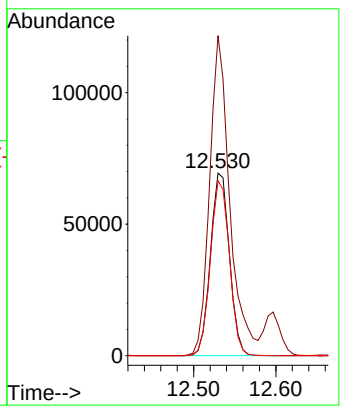


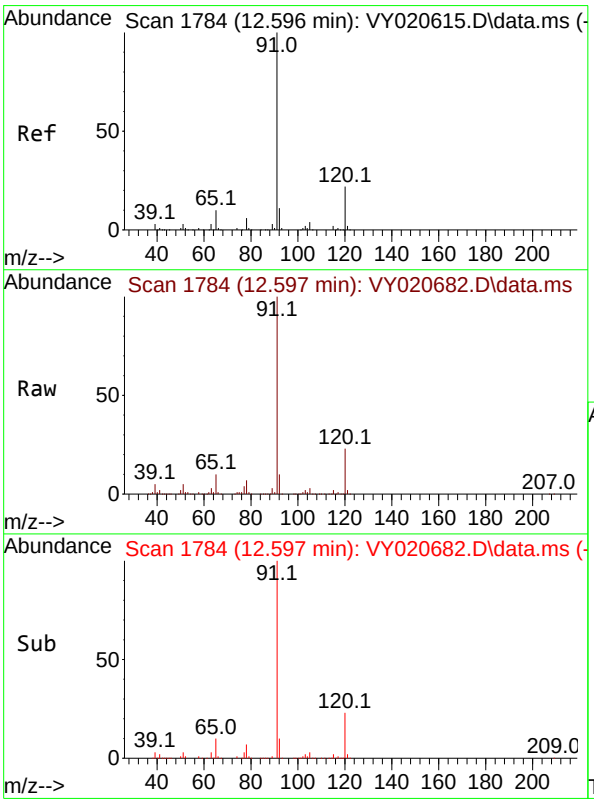
#77
Bromobenzene
Concen: 49.582 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

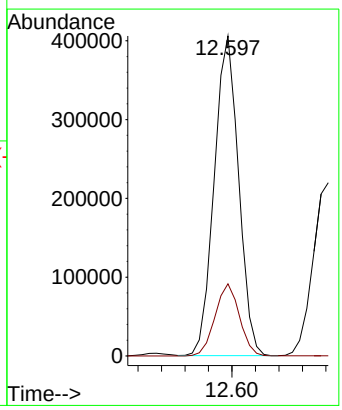


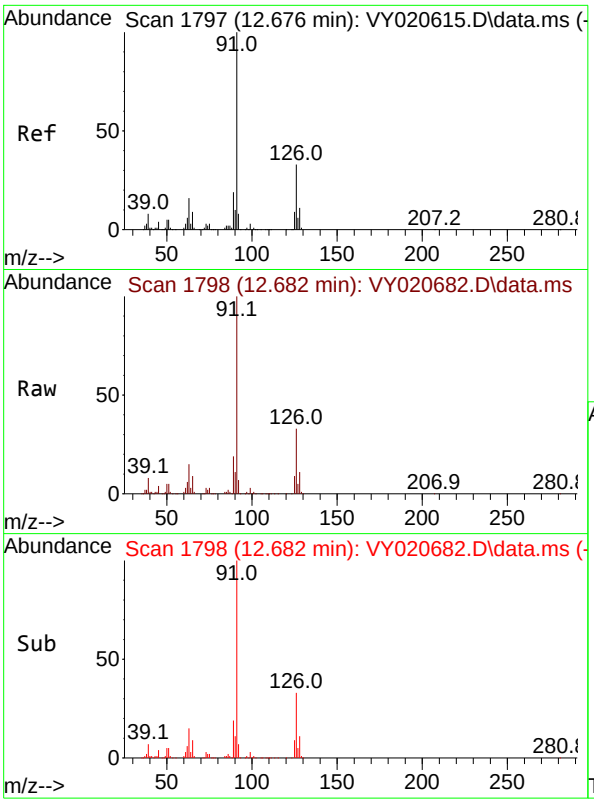


#78
n-propylbenzene
Concen: 47.158 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 585185

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



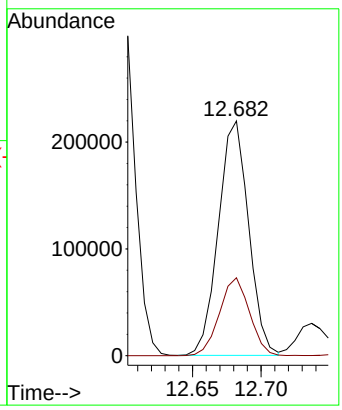


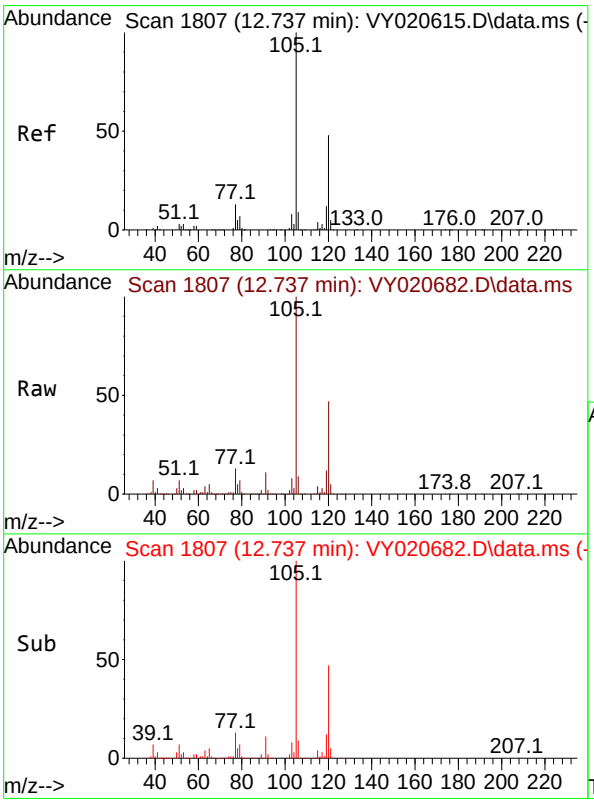
#79
2-Chlorotoluene
Concen: 48.298 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 337195

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7

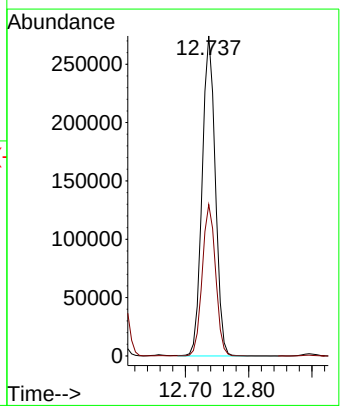


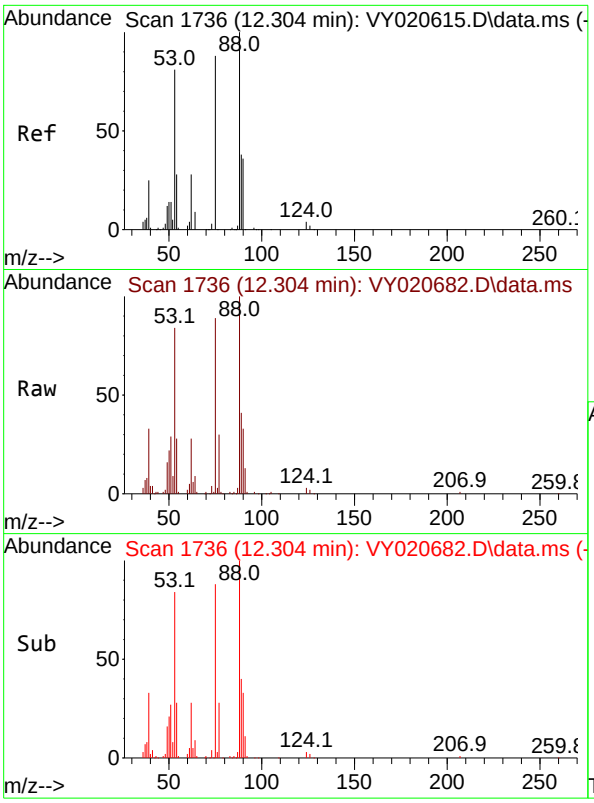


#80
1,3,5-Trimethylbenzene
Concen: 47.693 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 398582

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



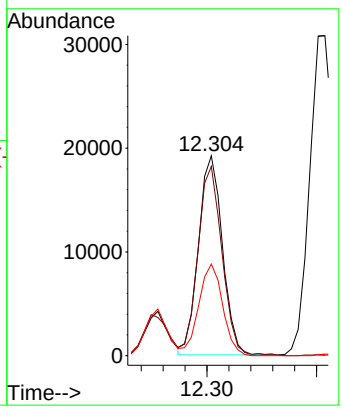


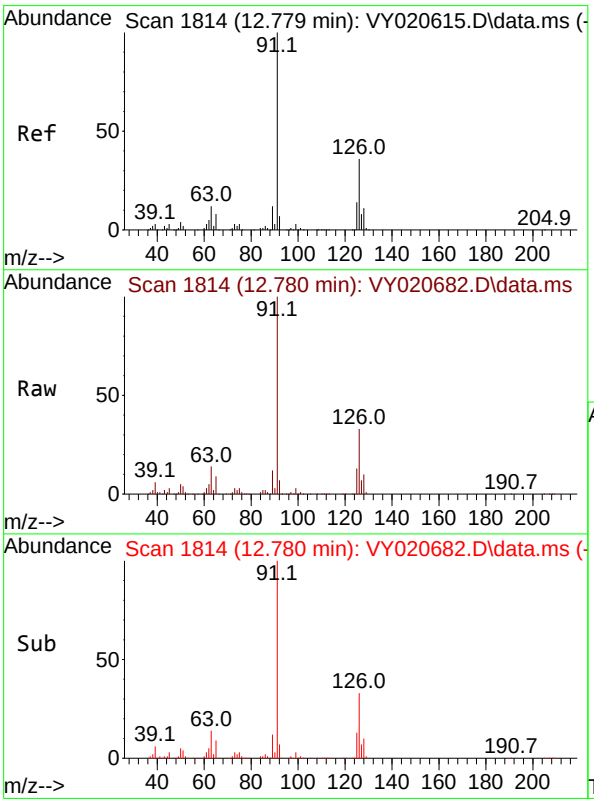
#81
trans-1,4-Dichloro-2-butene
Concen: 49.831 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

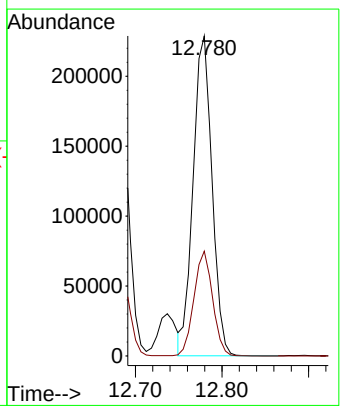


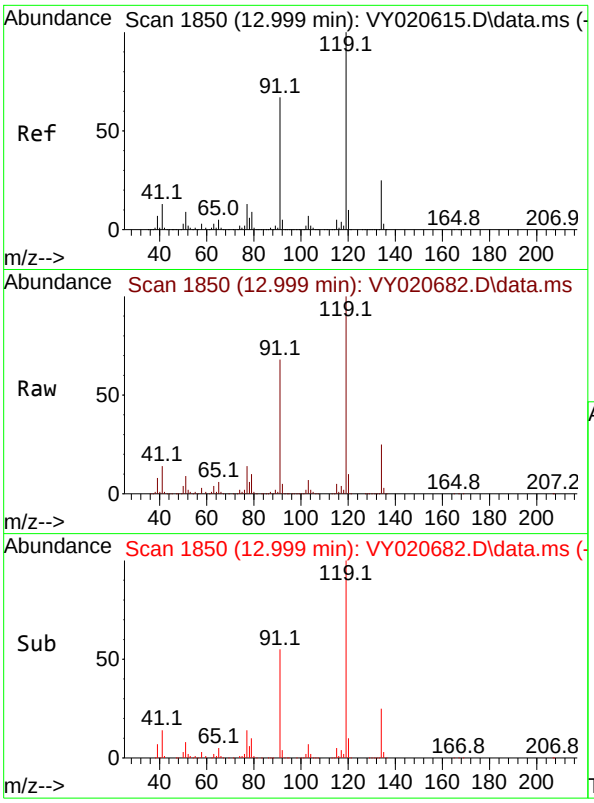


#82
4-Chlorotoluene
Concen: 47.838 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 346496

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7



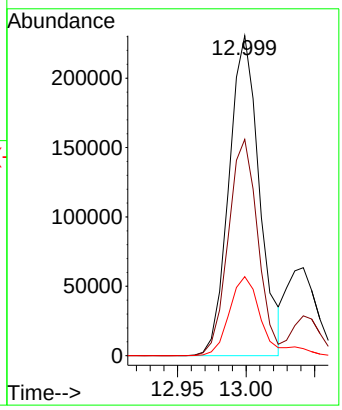


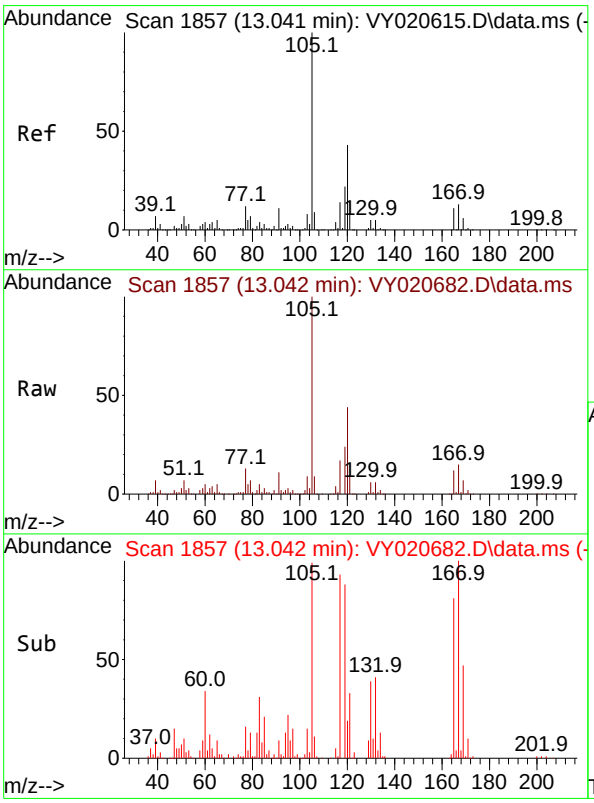
#83
tert-Butylbenzene
Concen: 47.095 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

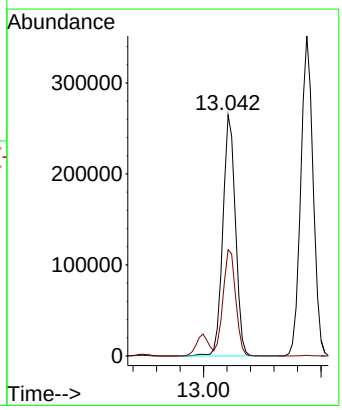


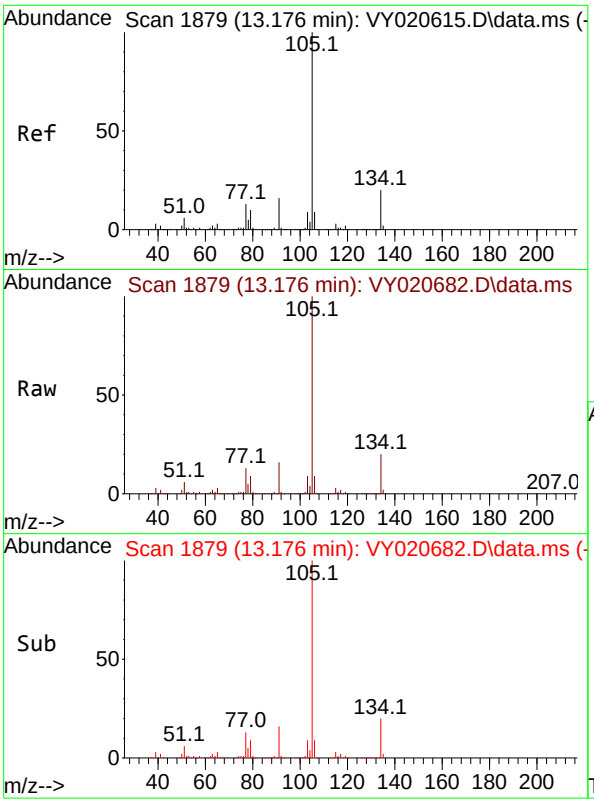


#84
1,2,4-Trimethylbenzene
Concen: 48.012 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 393582

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4



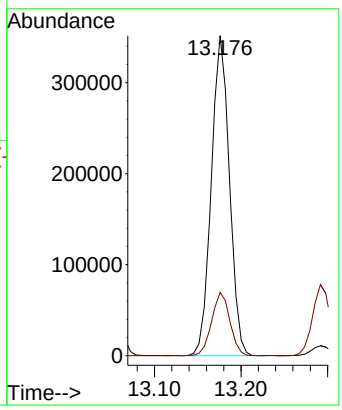


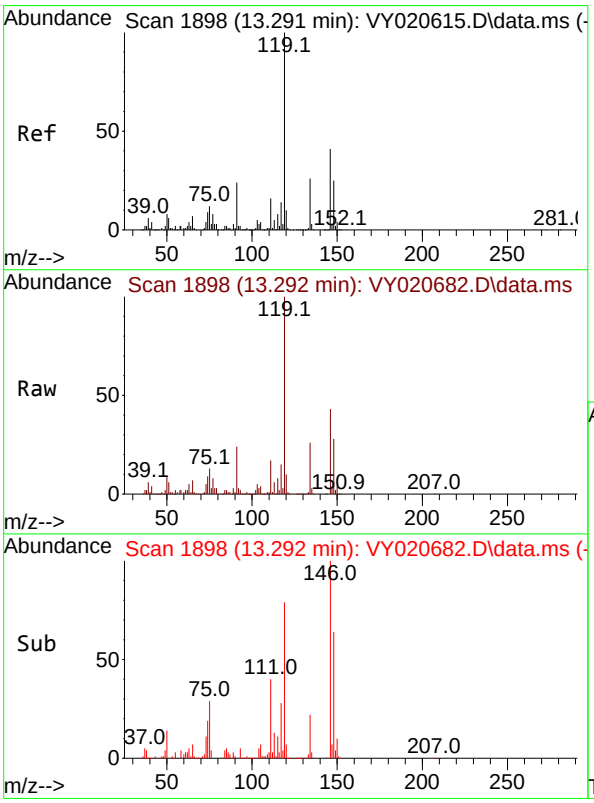
#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 510662

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

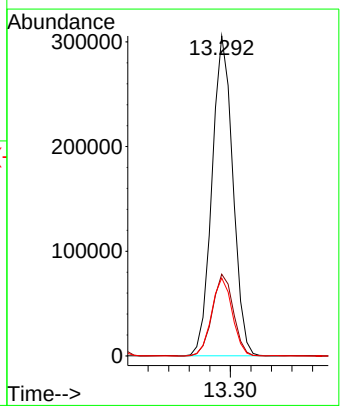


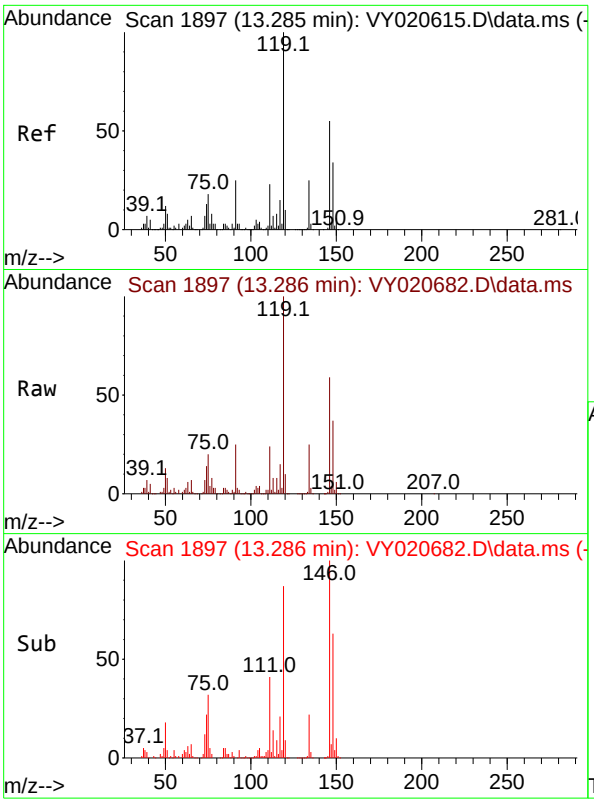


#86
p-Isopropyltoluene
Concen: 47.333 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



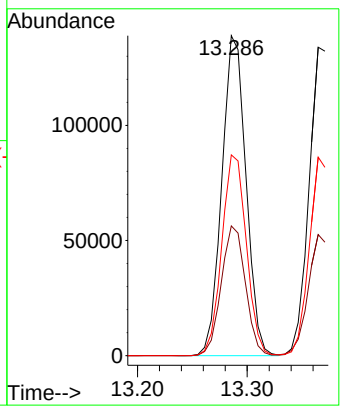


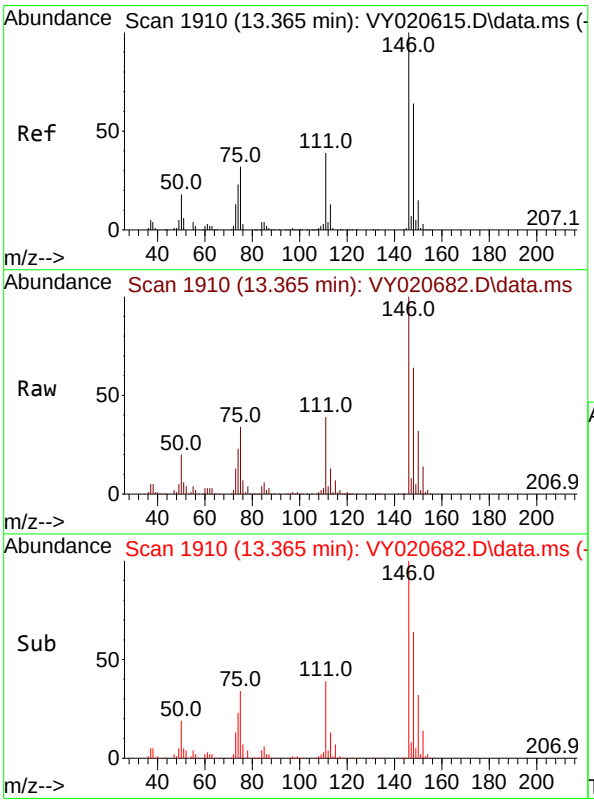
#87
1,3-Dichlorobenzene
Concen: 48.040 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

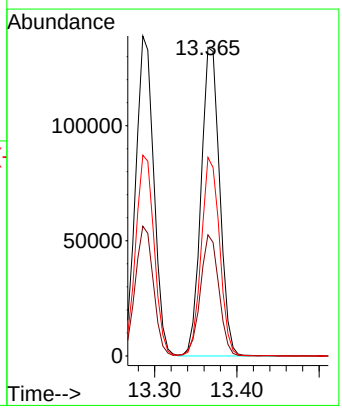


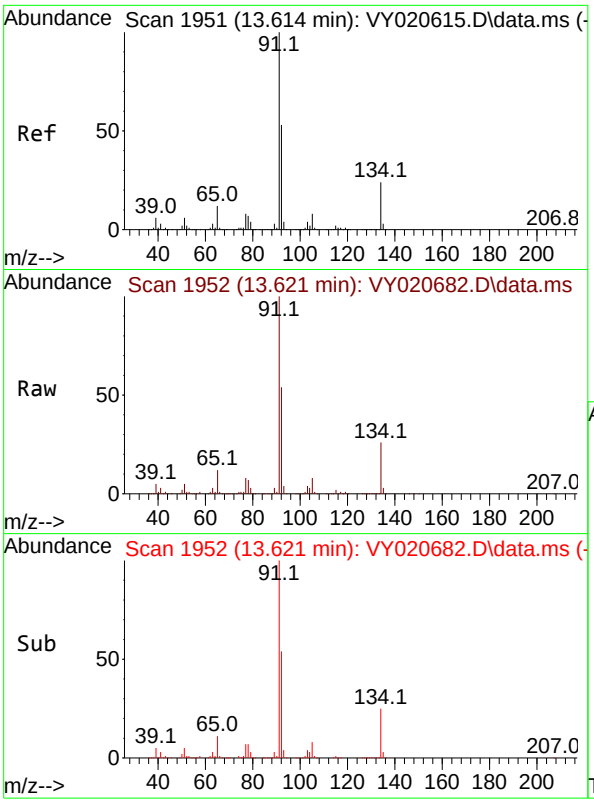


#88
1,4-Dichlorobenzene
Concen: 47.998 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



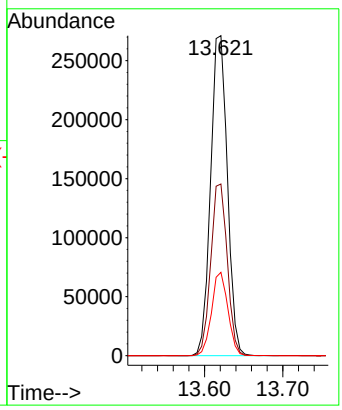


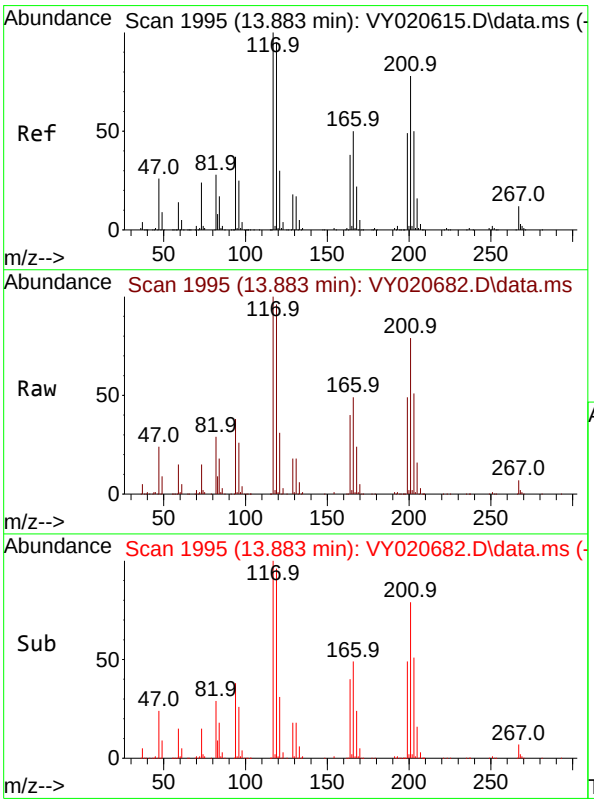
#89
n-Butylbenzene
Concen: 46.895 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

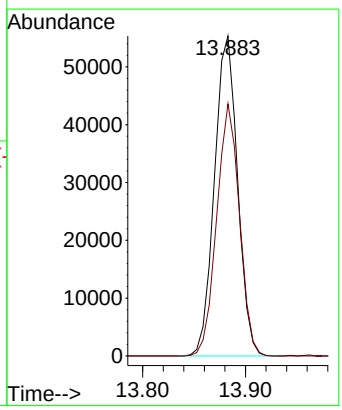


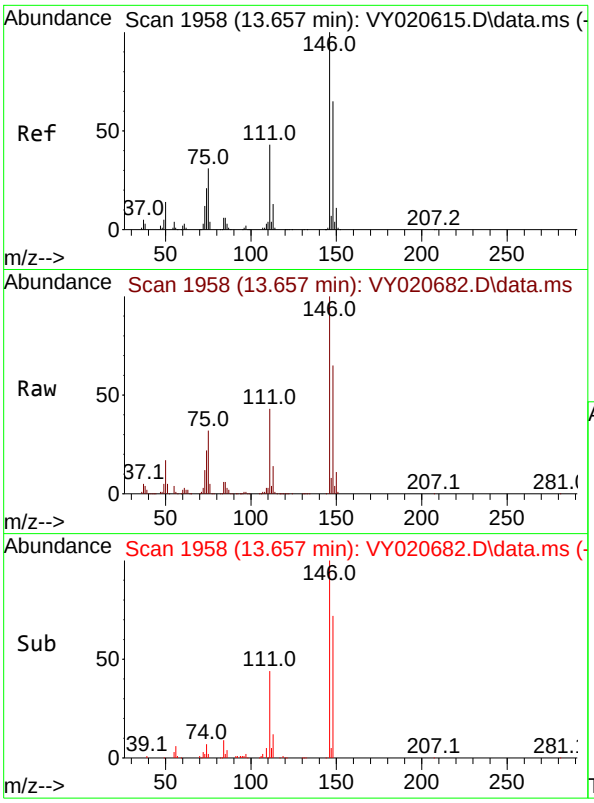


#90
Hexachloroethane
Concen: 47.992 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 86293

Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3



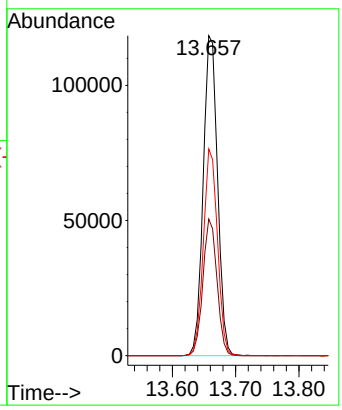


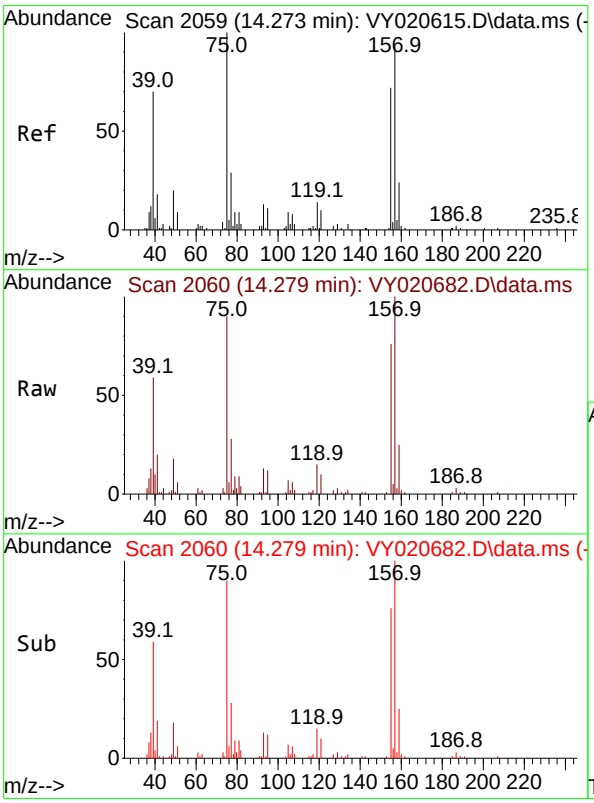
#91
1,2-Dichlorobenzene
Concen: 48.776 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

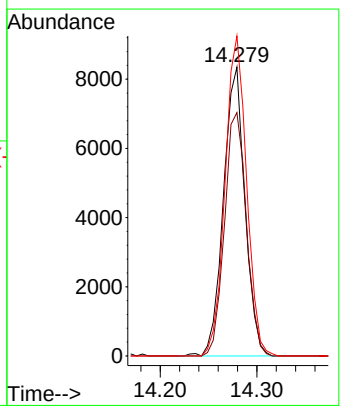


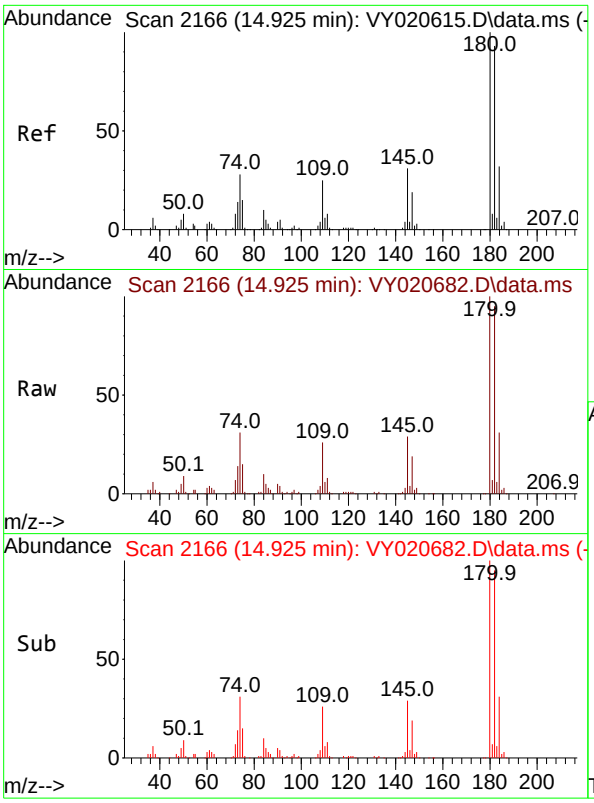


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.271 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



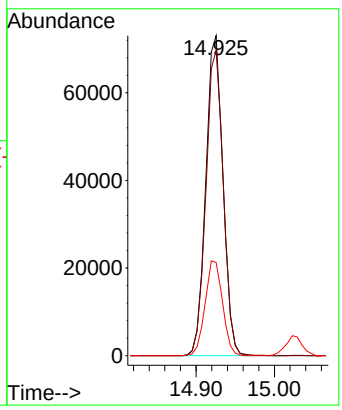


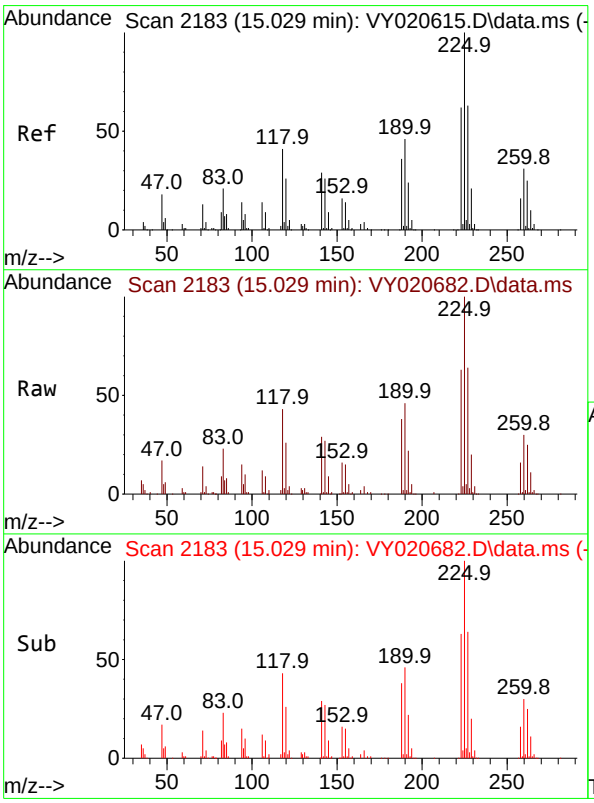
#93
1,2,4-Trichlorobenzene
Concen: 47.858 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

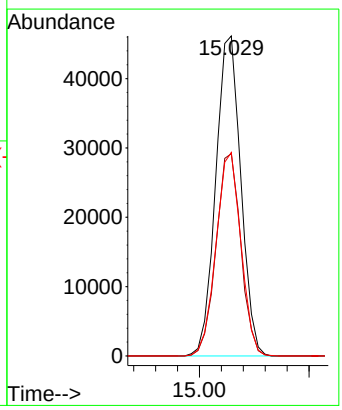


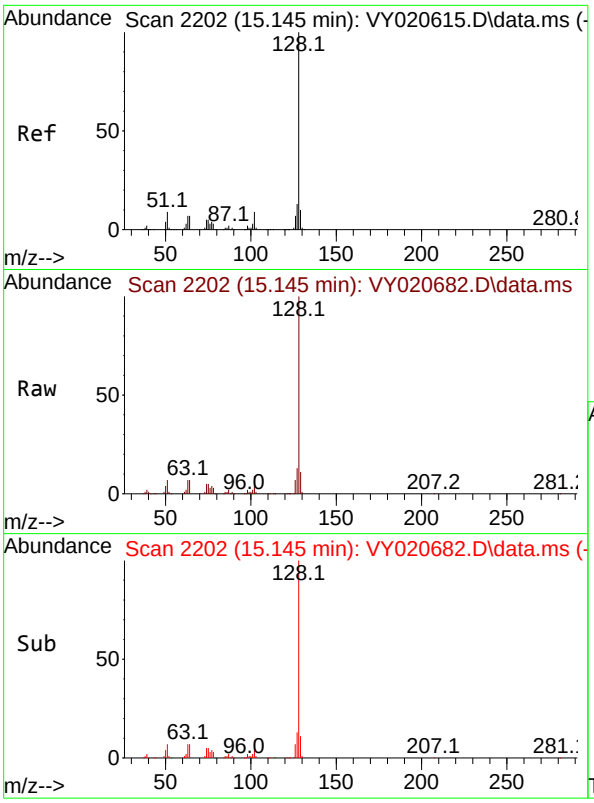


#94
Hexachlorobutadiene
Concen: 48.301 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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



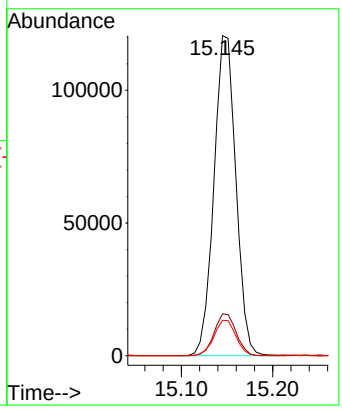


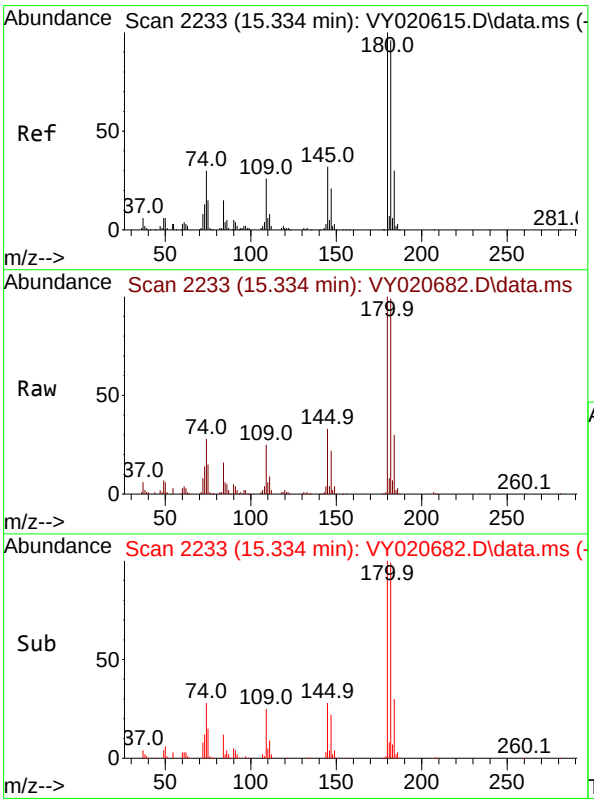
#95
Naphthalene
Concen: 50.583 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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

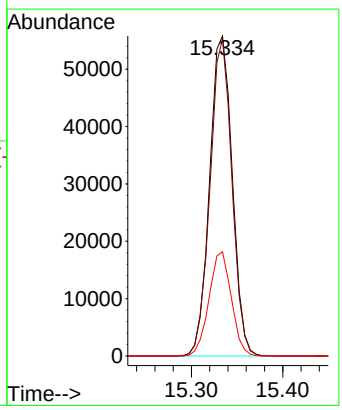




#96
1,2,3-Trichlorobenzene
Concen: 48.917 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

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\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.725	168	114649	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	164576	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134316	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	63466	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	2518	2.480	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	4.960%#			
35) Dibromofluoromethane	7.652	113	2475	2.561	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	5.120%#			
50) Toluene-d8	10.121	98	8008	2.282	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	4.560%#			
62) 4-Bromofluorobenzene	12.413	95	3346	2.619	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	5.240%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.879	85	3877	4.389	ug/l		96
3) Chloromethane	2.080	50	1435	3.988	ug/l		92
4) Vinyl Chloride	2.220	62	1872	4.267	ug/l	#	88
5) Bromomethane	2.616	94	1271	4.103	ug/l		96
6) Chloroethane	2.751	64	1116	4.185	ug/l	#	82
7) Trichlorofluoromethane	3.080	101	6842	4.337	ug/l		94
8) Diethyl Ether	3.470	74	1774	4.698	ug/l		86
9) 1,1,2-Trichlorotrifluo...	3.842	101	3626	4.209	ug/l		87
10) Methyl Iodide	4.025	142	3743	3.771	ug/l	#	87
11) Tert butyl alcohol	4.866	59	219	2.694	ug/l	#	75
12) 1,1-Dichloroethene	3.817	96	3204	4.190	ug/l		85
13) Acrolein	3.677	56	651	30.335	ug/l	#	82
14) Allyl chloride	4.409	41	3677	4.101	ug/l	#	77
15) Acrylonitrile	5.085	53	2940	21.121	ug/l	#	80
16) Acetone	3.897	43	3356	28.936	ug/l		93
17) Carbon Disulfide	4.141	76	7498	3.933	ug/l		99
18) Methyl Acetate	4.415	43	1080	3.599	ug/l	#	87
19) Methyl tert-butyl Ether	5.134	73	8821	4.241	ug/l		95
20) Methylene Chloride	4.647	84	3715	4.807	ug/l	#	83
21) trans-1,2-Dichloroethene	5.146	96	3551	4.307	ug/l	#	80
22) Diisopropyl ether	6.043	45	7693	4.197	ug/l	#	77
23) Vinyl Acetate	5.982	43	22139	20.396	ug/l	#	87
24) 1,1-Dichloroethane	5.933	63	5733	4.195	ug/l	#	89
25) 2-Butanone	6.914	43	3974	24.392	ug/l	#	77
26) 2,2-Dichloropropane	6.908	77	8260	4.831	ug/l		91
27) cis-1,2-Dichloroethene	6.914	96	4456	4.538	ug/l		96
28) Bromochloromethane	7.268	49	1210	6.257	ug/l	#	51
29) Tetrahydrofuran	7.286	42	1992	20.802	ug/l	#	71
30) Chloroform	7.439	83	9018	5.021	ug/l		96
31) Cyclohexane	7.719	56	6636	5.539	ug/l	#	63
32) 1,1,1-Trichloroethane	7.640	97	8094	4.313	ug/l		96
36) 1,1-Dichloropropene	7.859	75	4978	4.238	ug/l		97
37) Ethyl Acetate	7.012	43	1815	4.728	ug/l	#	69
38) Carbon Tetrachloride	7.835	117	7766	4.086	ug/l		91
39) Methylcyclohexane	9.121	83	6337	4.244	ug/l		99
40) Benzene	8.091	78	14311	4.223	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.244	41	917	4.221 ug/l #	85
42) 1,2-Dichloroethane	8.170	62	4467	4.145 ug/l	98
43) Isopropyl Acetate	8.213	43	3082	3.863 ug/l #	86
44) Trichloroethene	8.877	130	4289	4.265 ug/l	93
45) 1,2-Dichloropropane	9.158	63	2724	4.091 ug/l	91
46) Dibromomethane	9.249	93	1946	4.234 ug/l	96
47) Bromodichloromethane	9.438	83	5373	4.121 ug/l	96
48) Methyl methacrylate	9.231	41	1480	3.913 ug/l #	89
49) 1,4-Dioxane	9.262	88	259	66.488 ug/l #	39
51) 4-Methyl-2-Pentanone	10.011	43	9070	22.757 ug/l	98
52) Toluene	10.182	92	9584	4.153 ug/l	97
53) t-1,3-Dichloropropene	10.408	75	4552	3.946 ug/l	92
54) cis-1,3-Dichloropropene	9.871	75	4997	3.931 ug/l	98
55) 1,1,2-Trichloroethane	10.578	97	2529	4.249 ug/l	87
56) Ethyl methacrylate	10.450	69	2795	3.682 ug/l	87
57) 1,3-Dichloropropane	10.731	76	3981	4.092 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.725	63	6120	21.573 ug/l #	79
59) 2-Hexanone	10.774	43	4717	18.580 ug/l	100
60) Dibromochloromethane	10.920	129	4012	4.222 ug/l	98
61) 1,2-Dibromoethane	11.030	107	2170	3.889 ug/l	98
64) Tetrachloroethene	10.658	164	3679	4.124 ug/l	89
65) Chlorobenzene	11.456	112	10890	4.339 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.523	131	4311	4.398 ug/l	96
67) Ethyl Benzene	11.529	91	18768	4.168 ug/l	96
68) m/p-Xylenes	11.639	106	14272	8.311 ug/l	100
69) o-Xylene	11.968	106	6616	4.102 ug/l	98
70) Styrene	11.981	104	11050	4.073 ug/l	98
71) Bromoform	12.145	173	2411	4.295 ug/l #	94
73) Isopropylbenzene	12.267	105	18930	4.385 ug/l	98
74) N-amyl acetate	12.078	43	2293	3.780 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.517	83	2450	4.410 ug/l	97
76) 1,2,3-Trichloropropane	12.548	75	1677	4.031 ug/l #	100
77) Bromobenzene	12.541	156	4234	4.307 ug/l	89
78) n-propylbenzene	12.602	91	21465	4.410 ug/l	97
79) 2-Chlorotoluene	12.688	91	12202	4.404 ug/l	96
80) 1,3,5-Trimethylbenzene	12.749	105	15597	4.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	810	4.023 ug/l	88
82) 4-Chlorotoluene	12.785	91	12300	4.353 ug/l	99
83) tert-Butylbenzene	13.011	119	14849	4.457 ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	14790	4.228 ug/l	99
85) sec-Butylbenzene	13.188	105	19621	4.374 ug/l	94
86) p-Isopropyltoluene	13.304	119	16486	4.204 ug/l	98
87) 1,3-Dichlorobenzene	13.297	146	8502	4.452 ug/l	97
88) 1,4-Dichlorobenzene	13.377	146	8186	4.375 ug/l	89
89) n-Butylbenzene	13.627	91	14168	4.288 ug/l	93
90) Hexachloroethane	13.889	117	3276	4.403 ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	7116	4.342 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	478	4.516 ug/l	91
93) 1,2,4-Trichlorobenzene	14.937	180	3572	3.671 ug/l	95
94) Hexachlorobutadiene	15.035	225	2958	4.083 ug/l	97
95) Naphthalene	15.157	128	5634	6.410 ug/l	97
96) 1,2,3-Trichlorobenzene	15.346	180	2952	3.629 ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration

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

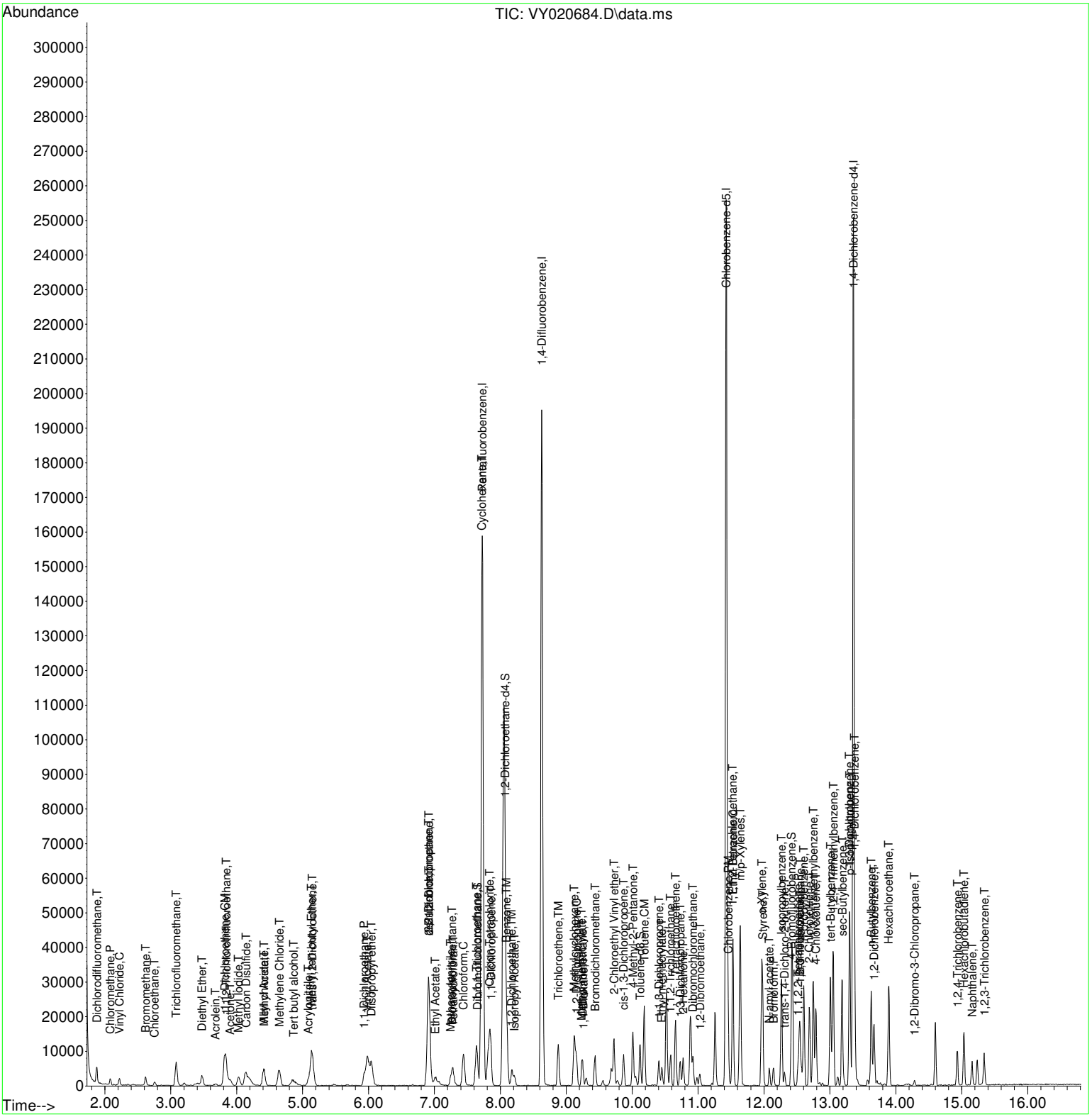
(#) = qualifier out of range (m) = manual integration (+) = signals summed

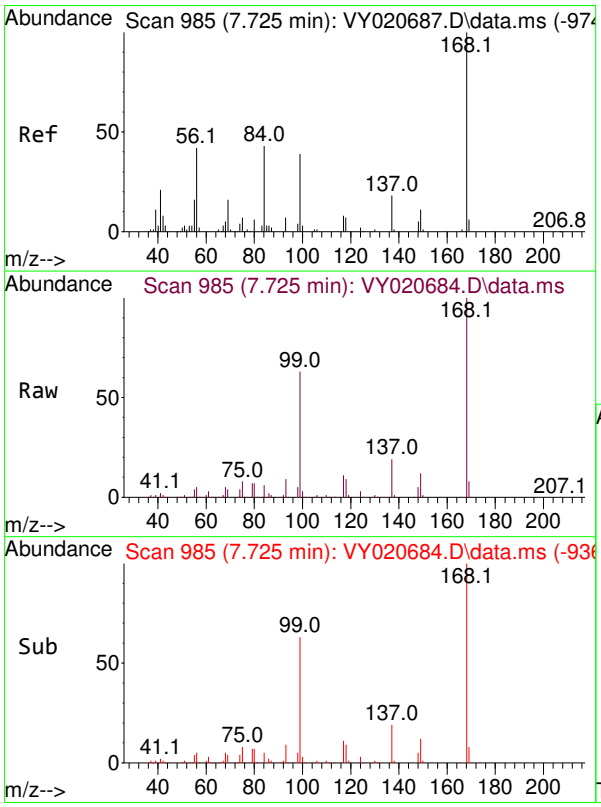
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020684.D
Acq On : 23 Dec 2024 11:30
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 23 14:02:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:02:50 2024
Response via : Initial Calibration



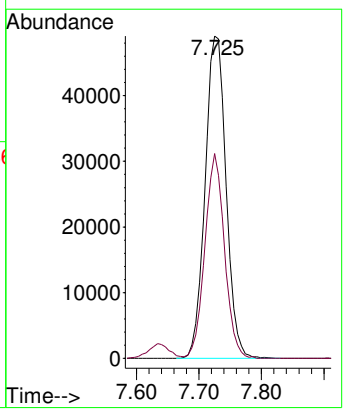


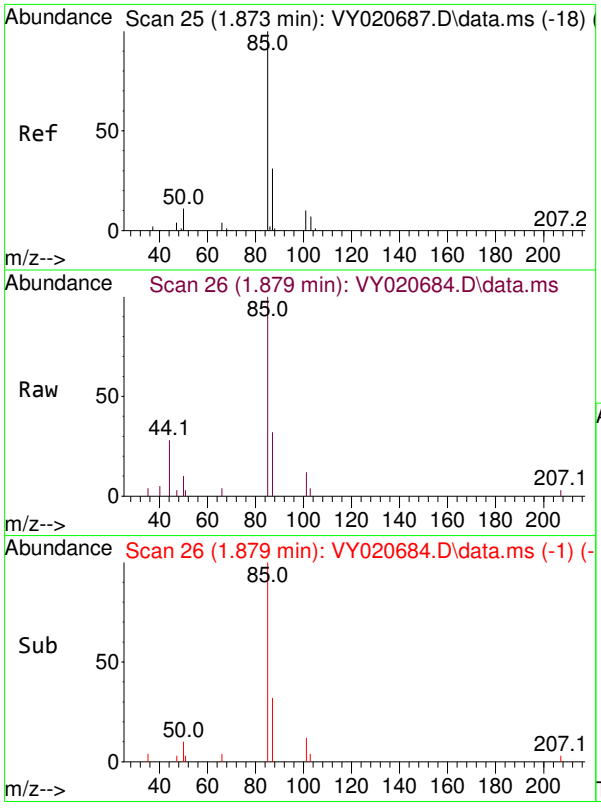
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 114649

Ion	Ratio	Lower	Upper
168	100		
99	63.5	47.0	70.6

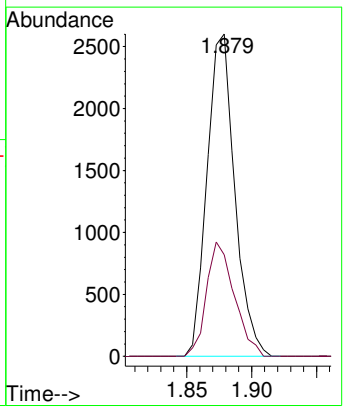


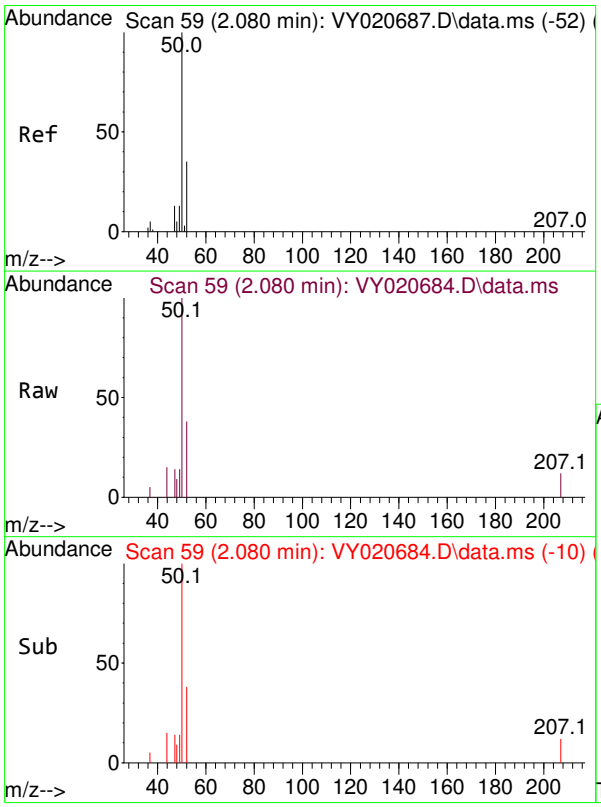


#2
Dichlorodifluoromethane
Concen: 4.389 ug/l
RT: 1.879 min Scan# 26
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 85 Resp: 3877

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.8	50.3



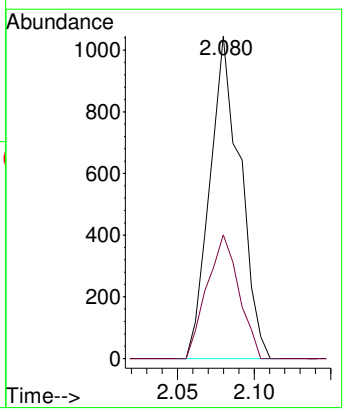


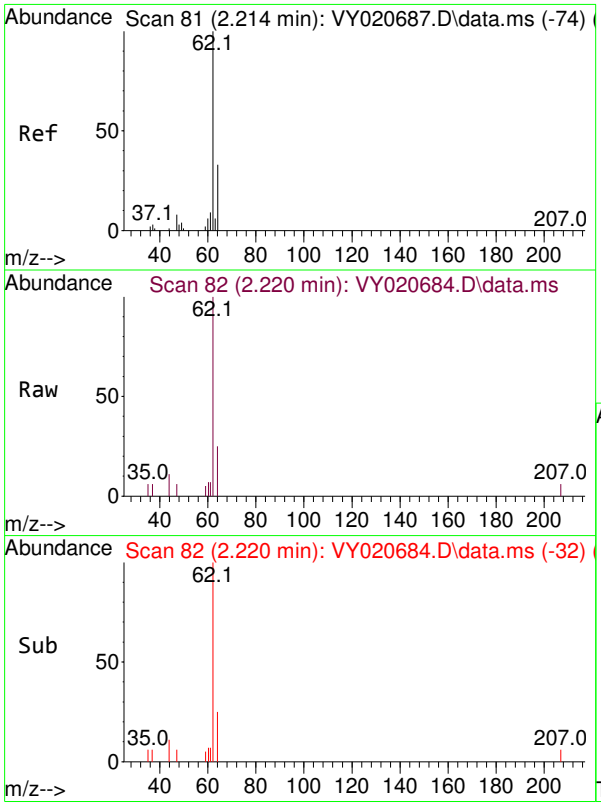
#3
Chloromethane
Concen: 3.988 ug/l
RT: 2.080 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1435

Ion	Ratio	Lower	Upper
50	100		
52	38.3	26.8	40.2

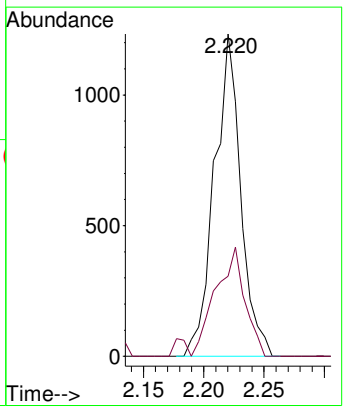


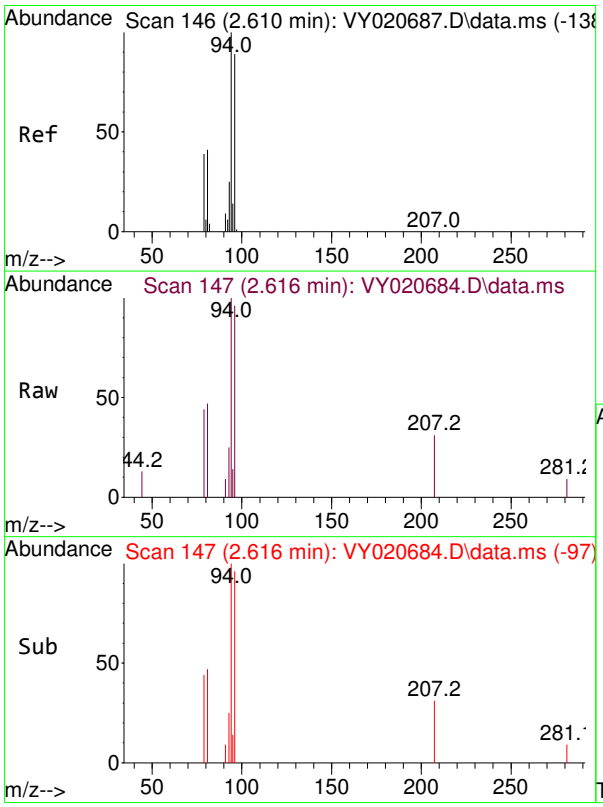


#4
Vinyl Chloride
Concen: 4.267 ug/l
RT: 2.220 min Scan# 82
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 62 Resp: 1872

Ion	Ratio	Lower	Upper
62	100		
64	24.8	25.3	37.9#



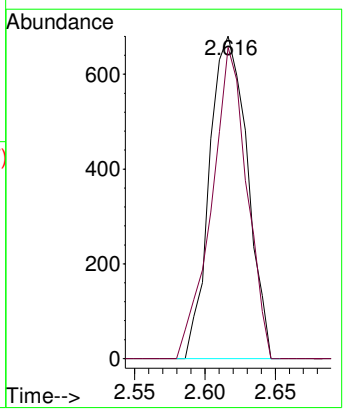


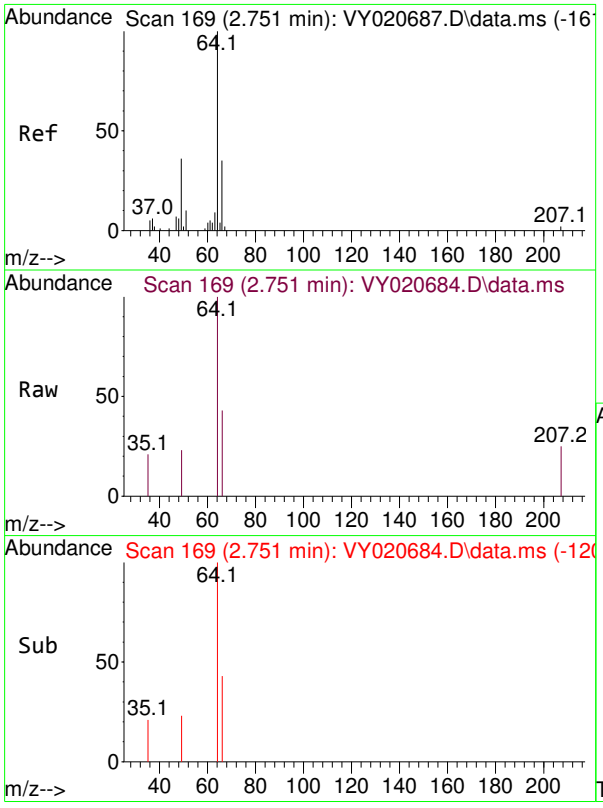
#5
Bromomethane
Concen: 4.103 ug/l
RT: 2.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 1271

Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.8	110.6

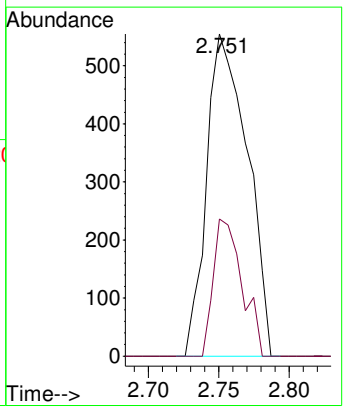


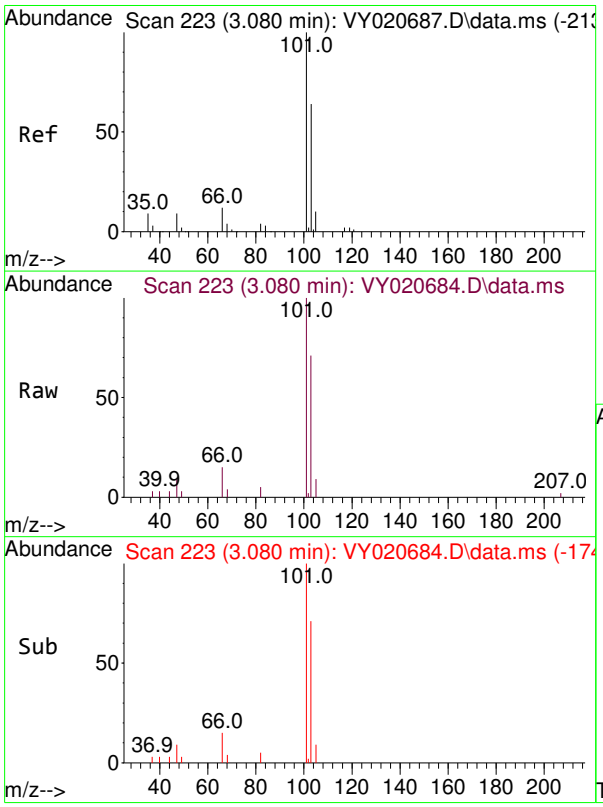


#6
Chloroethane
Concen: 4.185 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 64 Resp: 1116

Ion	Ratio	Lower	Upper
64	100		
66	42.5	25.8	38.6#



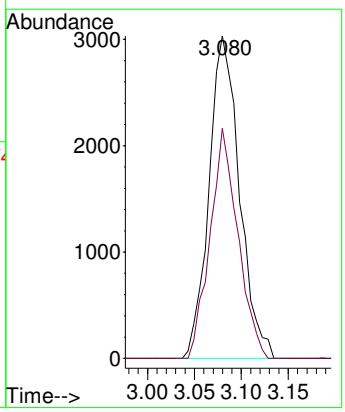


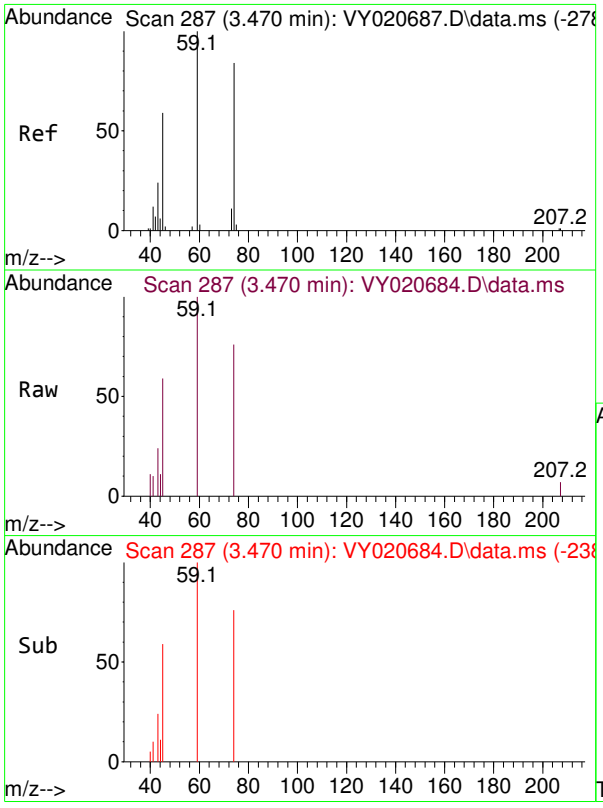
#7
Trichlorofluoromethane
Concen: 4.337 ug/l
RT: 3.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6842

Ion	Ratio	Lower	Upper
101	100		
103	71.4	53.4	80.0

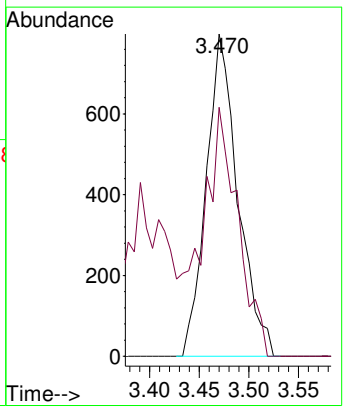


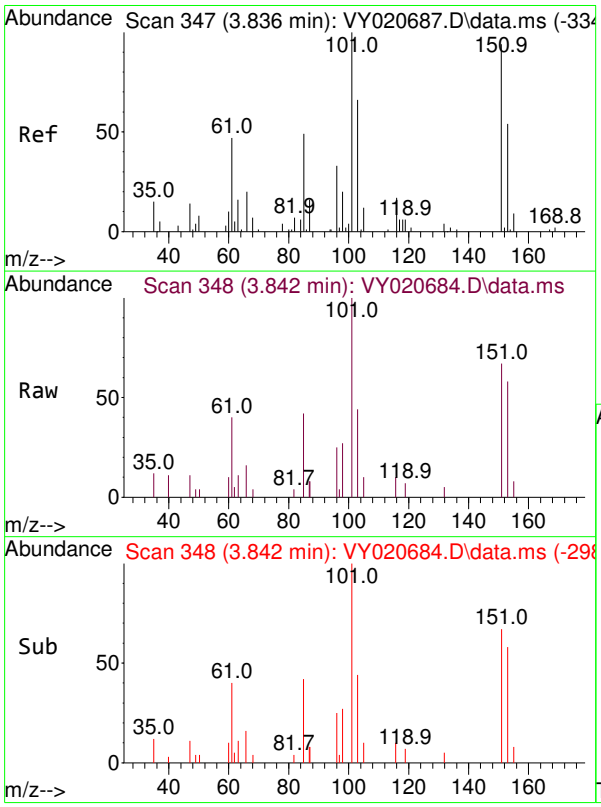


#8
Diethyl Ether
Concen: 4.698 ug/l
RT: 3.470 min Scan# 287
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 74 Resp: 1774

Ion	Ratio	Lower	Upper
74	100		
45	83.9	49.0	147.2



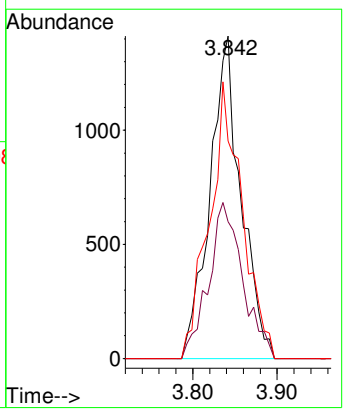


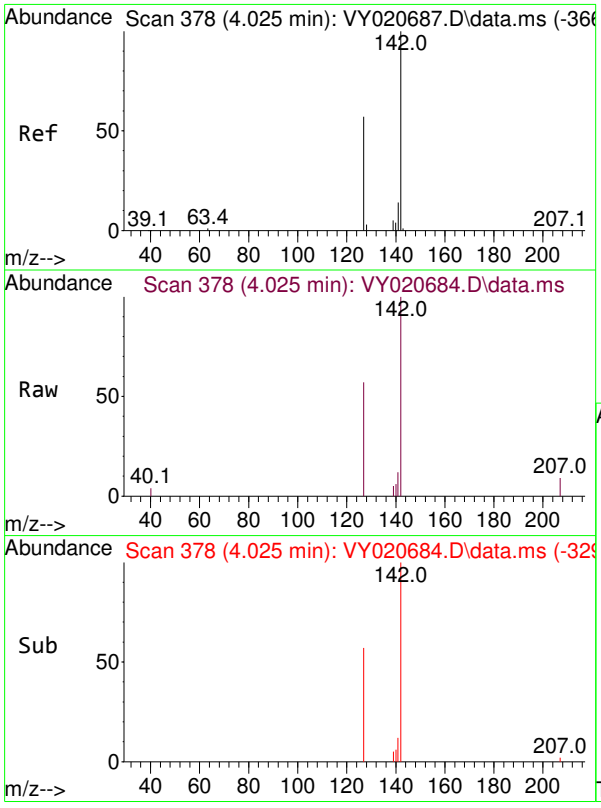
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.209 ug/l
RT: 3.842 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 3626

Ion	Ratio	Lower	Upper
101	100		
85	52.7	36.6	54.8
151	90.0	61.5	92.3

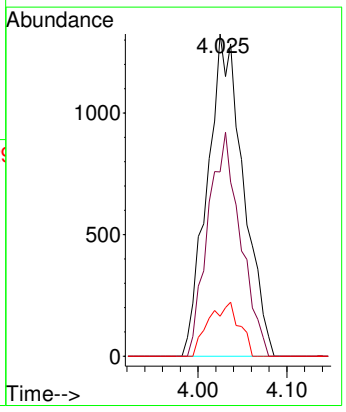


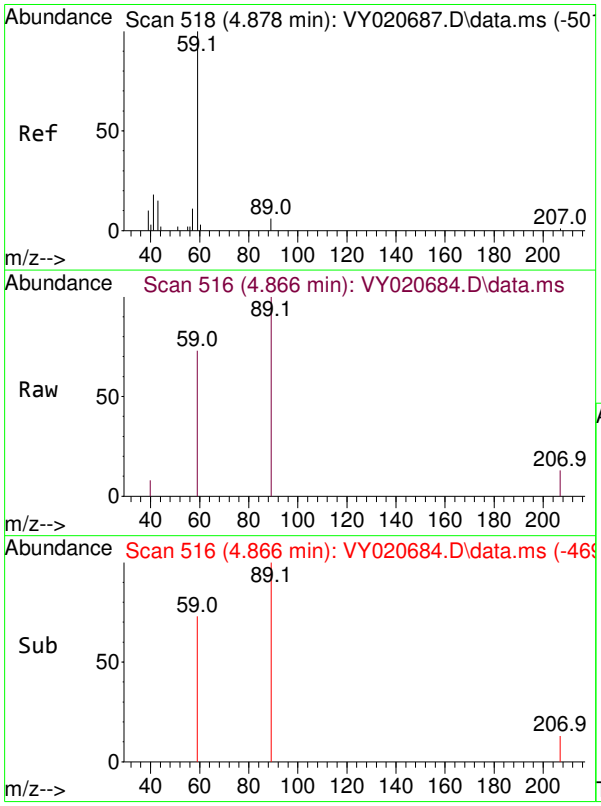


#10
Methyl Iodide
Concen: 3.771 ug/l
RT: 4.025 min Scan# 378
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:142 Resp: 3743

Ion	Ratio	Lower	Upper
142	100		
127	62.5	40.6	61.0#
141	14.3	11.7	17.5



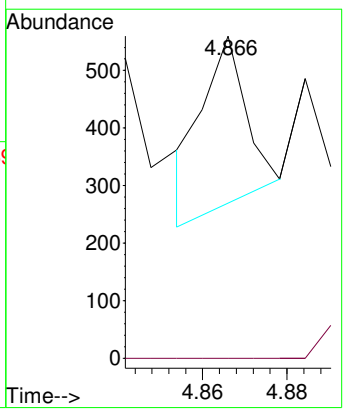


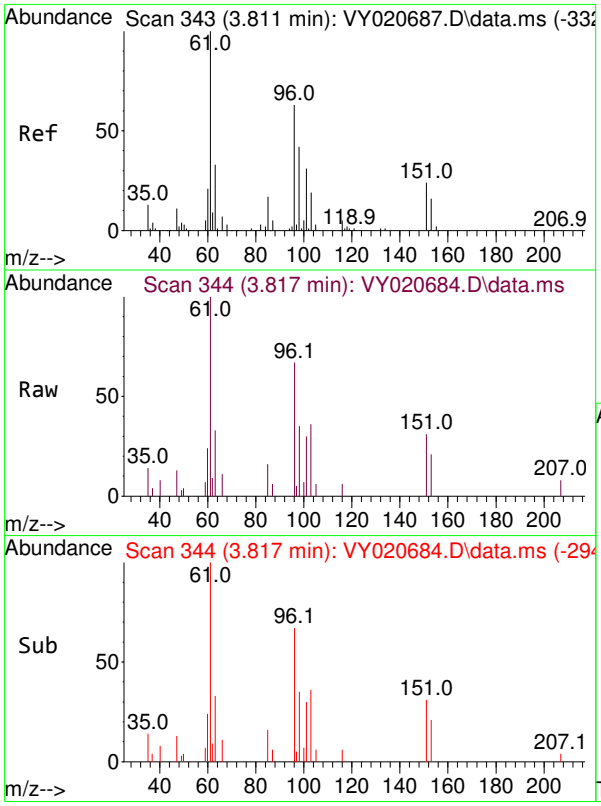
#11
Tert butyl alcohol
Concen: 2.694 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 219

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

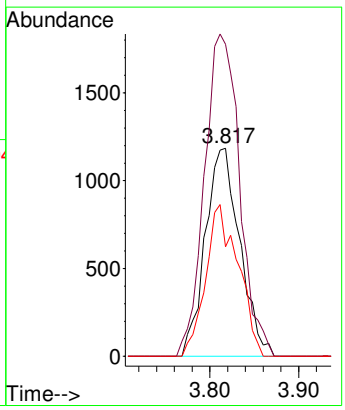


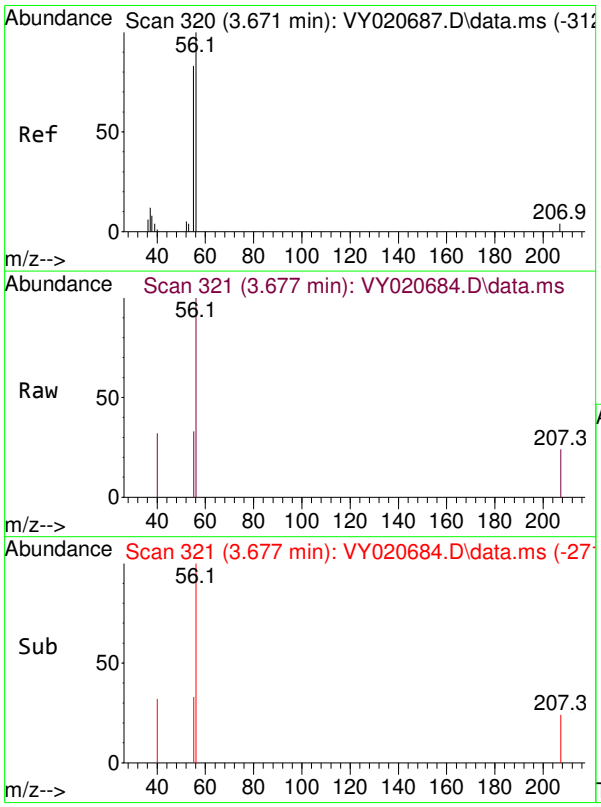


#12
1,1-Dichloroethene
Concen: 4.190 ug/l
RT: 3.817 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 96 Resp: 3204

Ion	Ratio	Lower	Upper
96	100		
61	150.1	136.9	205.3
98	52.7	50.2	75.4



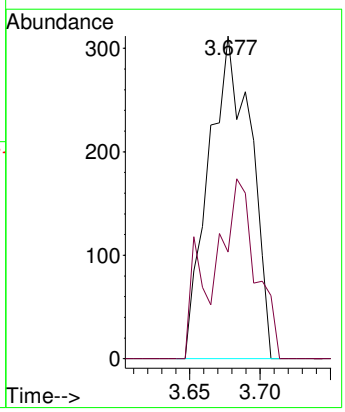


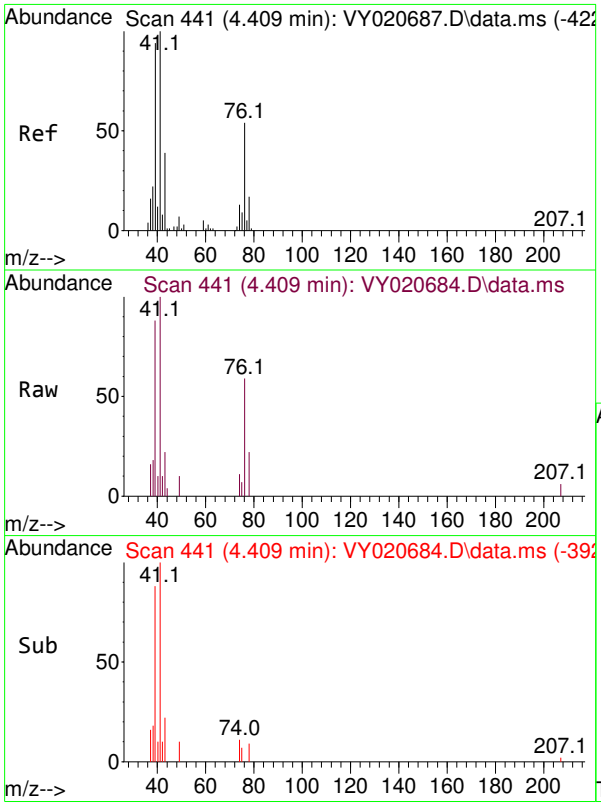
#13
Acrolein
Concen: 30.335 ug/l
RT: 3.677 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 651

Ion	Ratio	Lower	Upper
56	100		
55	56.5	57.5	86.3#

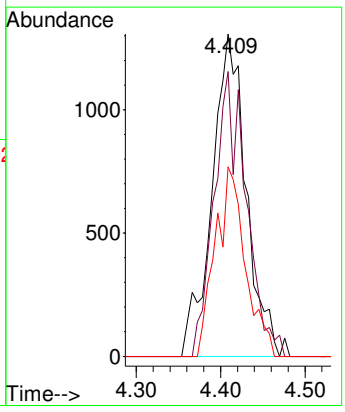


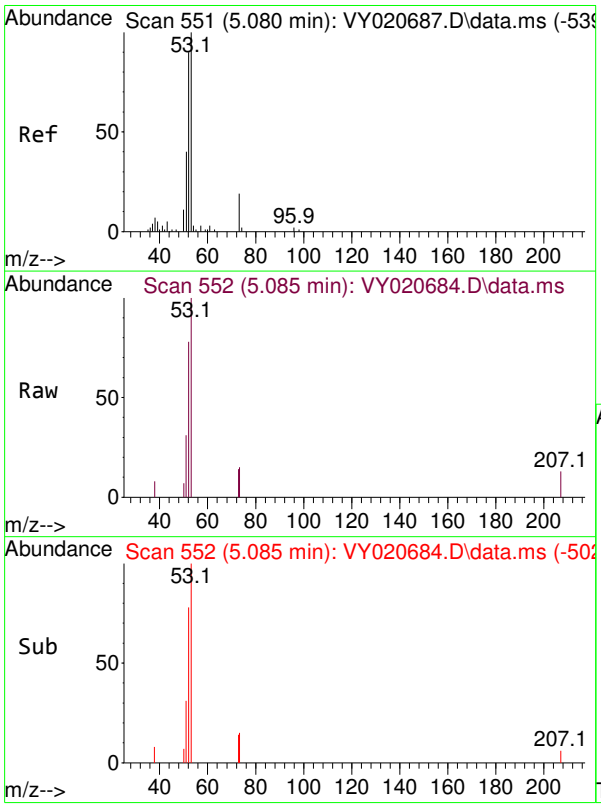


#14
Allyl chloride
Concen: 4.101 ug/l
RT: 4.409 min Scan# 441
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 3677

Ion	Ratio	Lower	Upper
41	100		
39	83.3	53.0	79.4#
76	51.7	29.5	44.3#



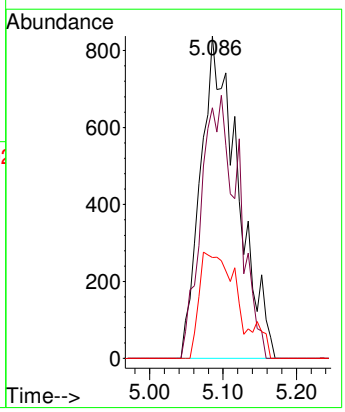


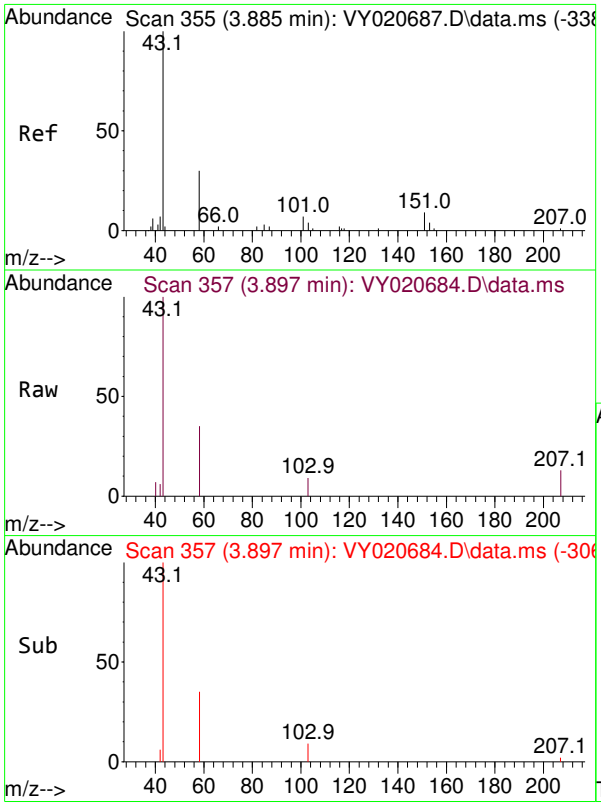
#15
Acrylonitrile
Concen: 21.121 ug/l
RT: 5.085 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 2940

Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	0.0	29.4	44.0#

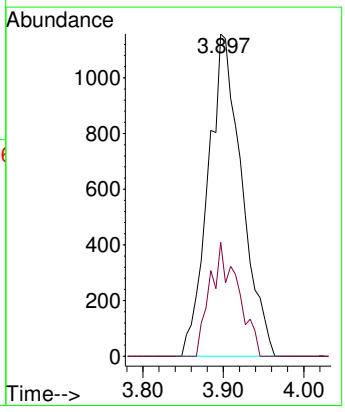


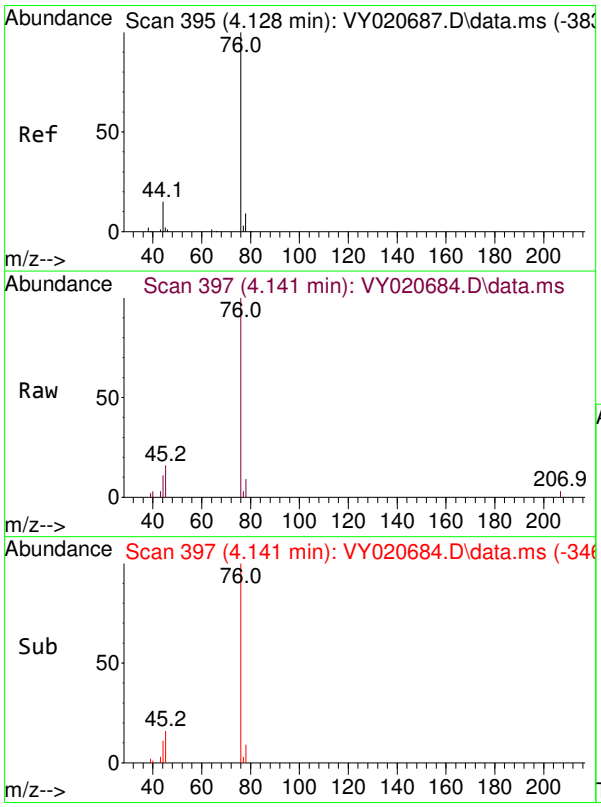


#16
Acetone
Concen: 28.936 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 3356

Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.0	37.6



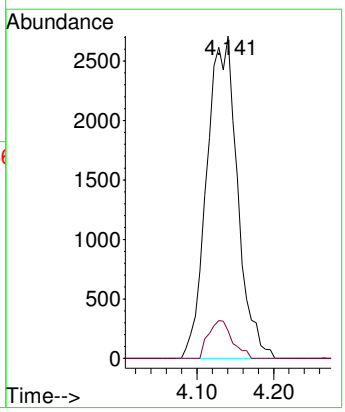


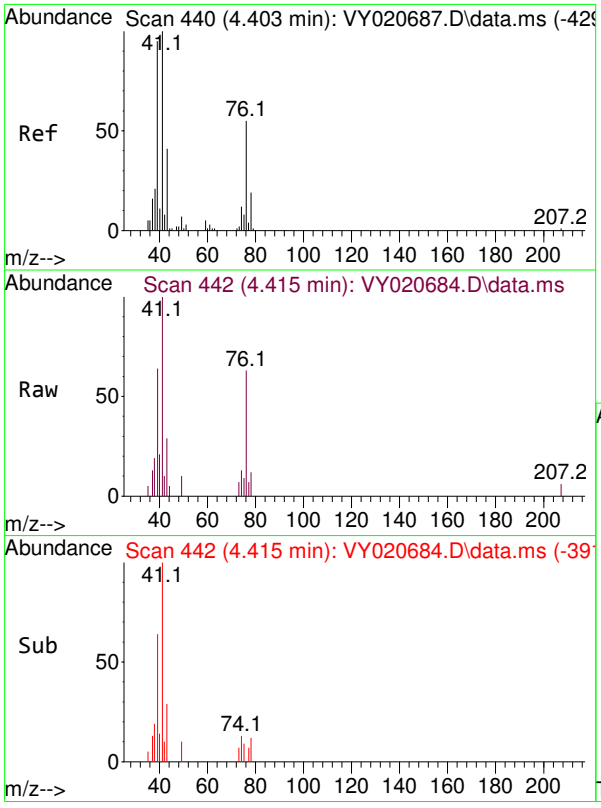
#17
Carbon Disulfide
Concen: 3.933 ug/l
RT: 4.141 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 7498

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

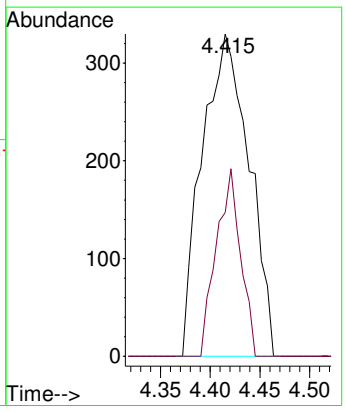


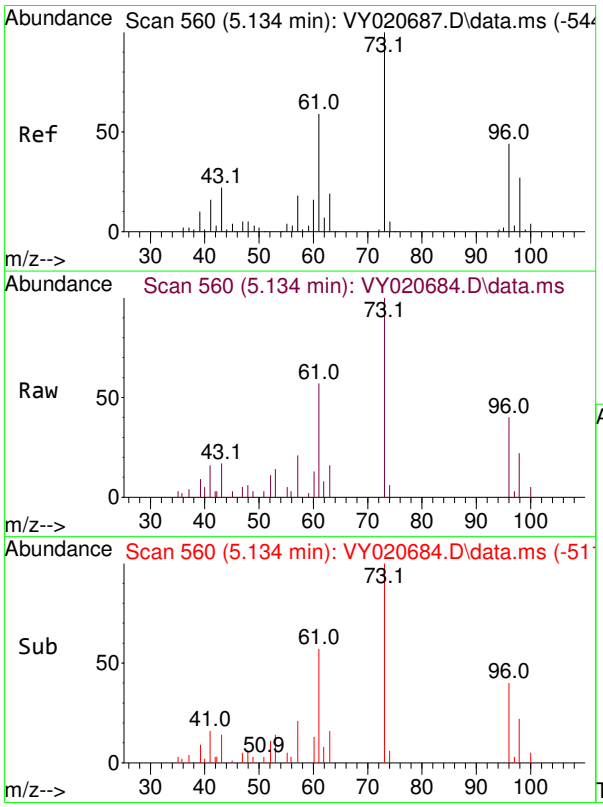


#18
Methyl Acetate
Concen: 3.599 ug/l
RT: 4.415 min Scan# 442
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 1080

Ion	Ratio	Lower	Upper
43	100		
74	30.3	19.2	28.8#



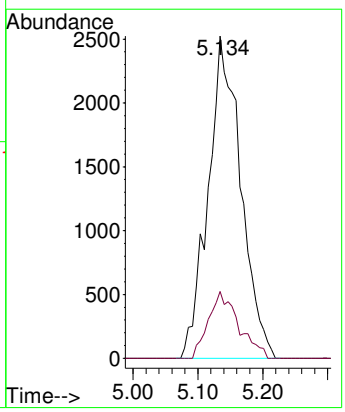


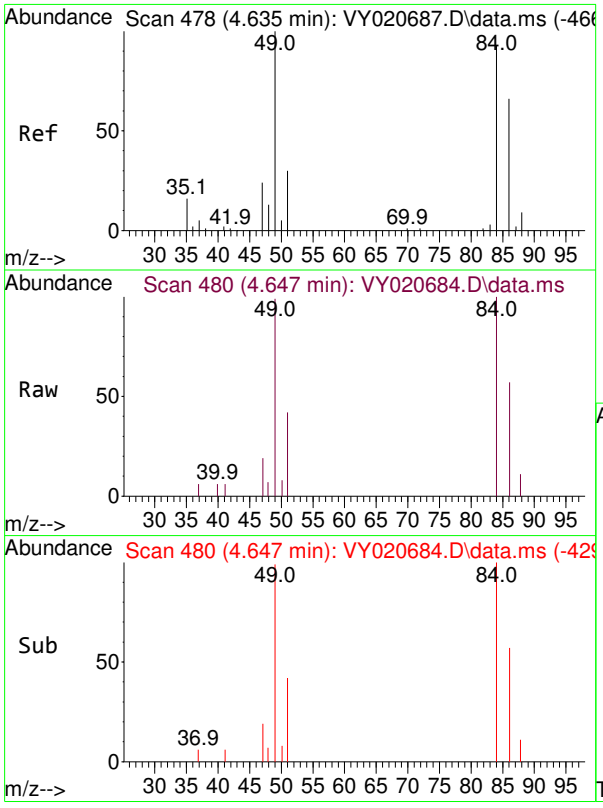
#19
Methyl tert-butyl Ether
Concen: 4.241 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 8821

Ion	Ratio	Lower	Upper
73	100		
57	20.8	18.5	27.7

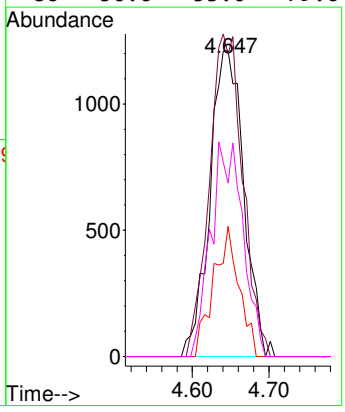


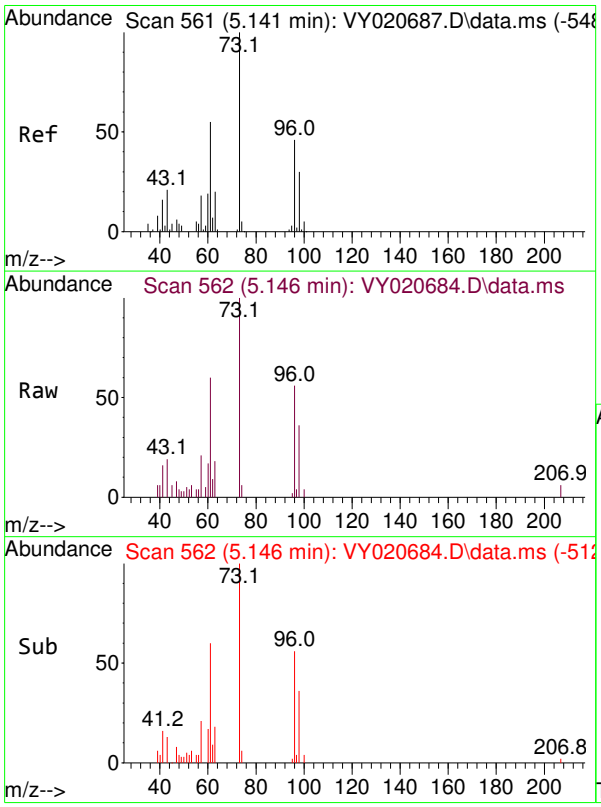


#20
Methylene Chloride
Concen: 4.807 ug/l
RT: 4.647 min Scan# 480
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 84 Resp: 3715

Ion	Ratio	Lower	Upper
84	100		
49	98.8	100.7	151.1#
51	42.5	32.2	48.2
86	56.6	53.0	79.6



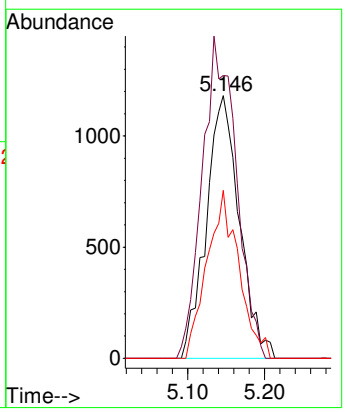


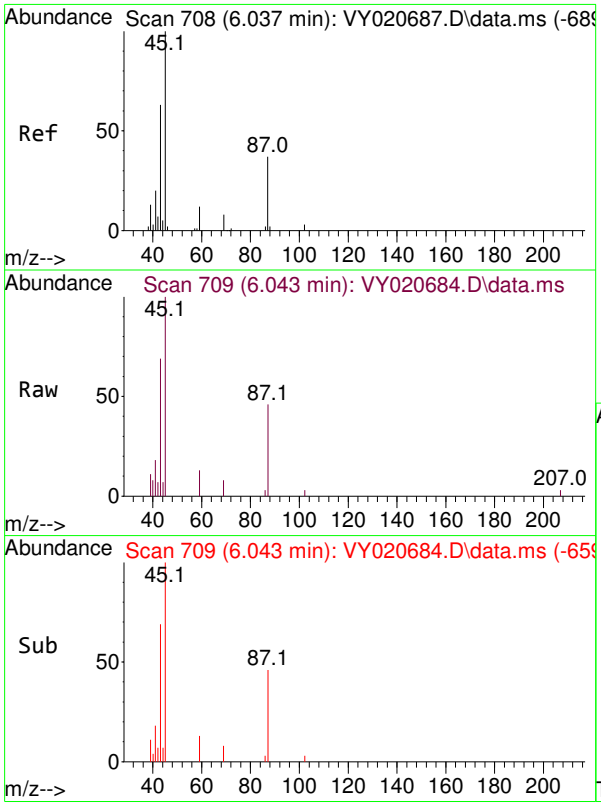
#21
trans-1,2-Dichloroethene
Concen: 4.307 ug/l
RT: 5.146 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 3551

Ion	Ratio	Lower	Upper
96	100		
61	107.7	113.7	170.5#
98	64.0	51.7	77.5

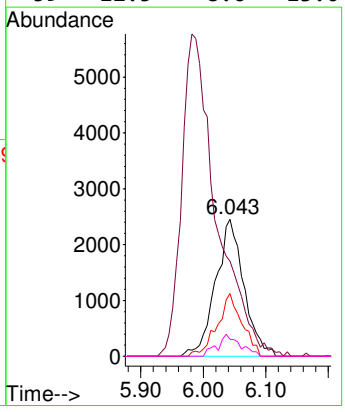


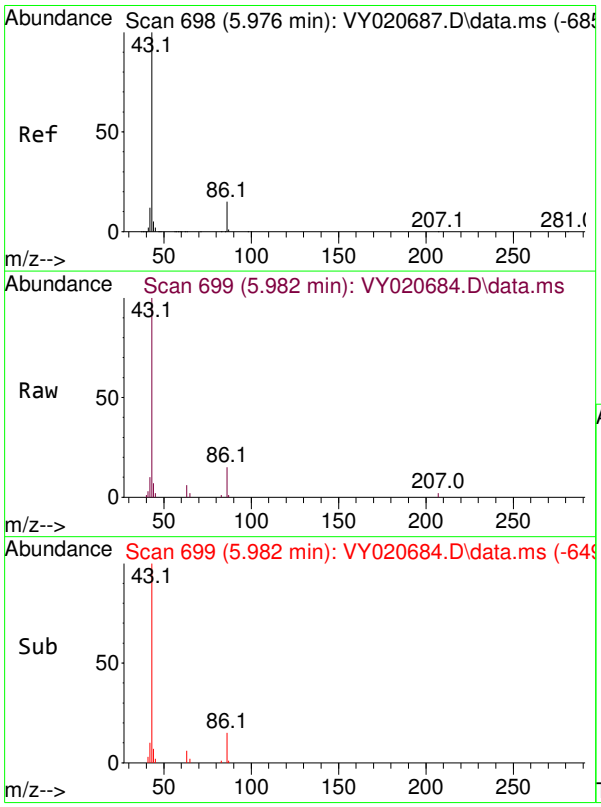


#22
Diisopropyl ether
Concen: 4.197 ug/l
RT: 6.043 min Scan# 709
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 45 Resp: 7693

Ion	Ratio	Lower	Upper
45	100		
43	66.0	42.6	64.0#
87	45.9	20.6	31.0#
59	12.5	8.6	13.0



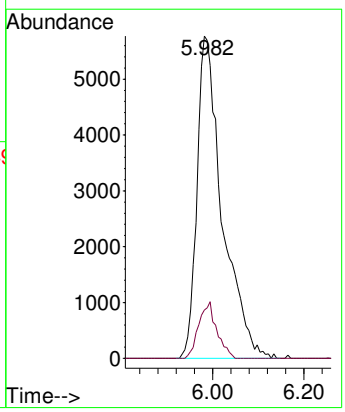


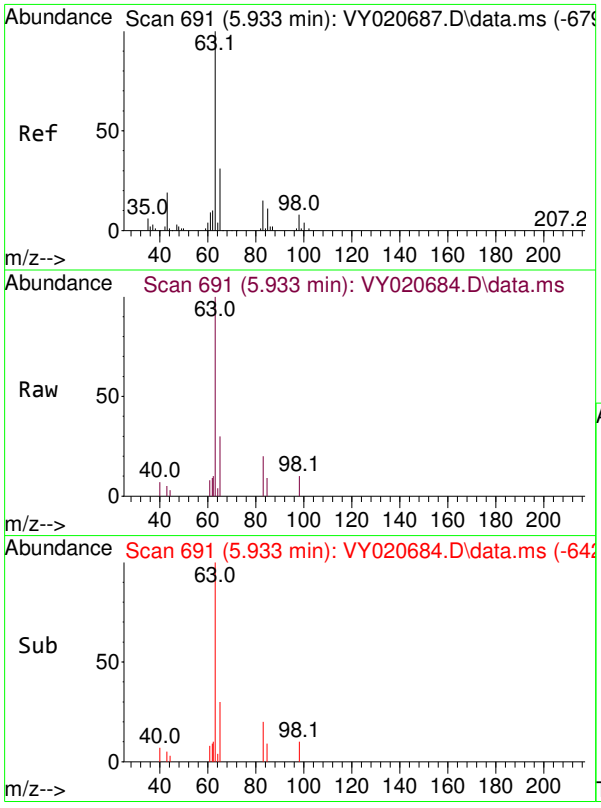
#23
Vinyl Acetate
Concen: 20.396 ug/l
RT: 5.982 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 22139

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#

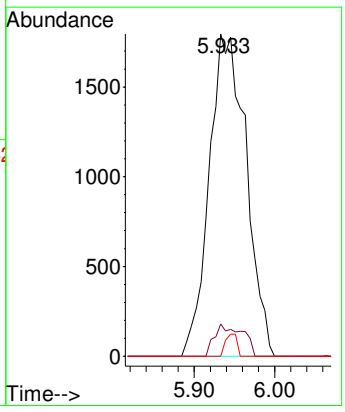


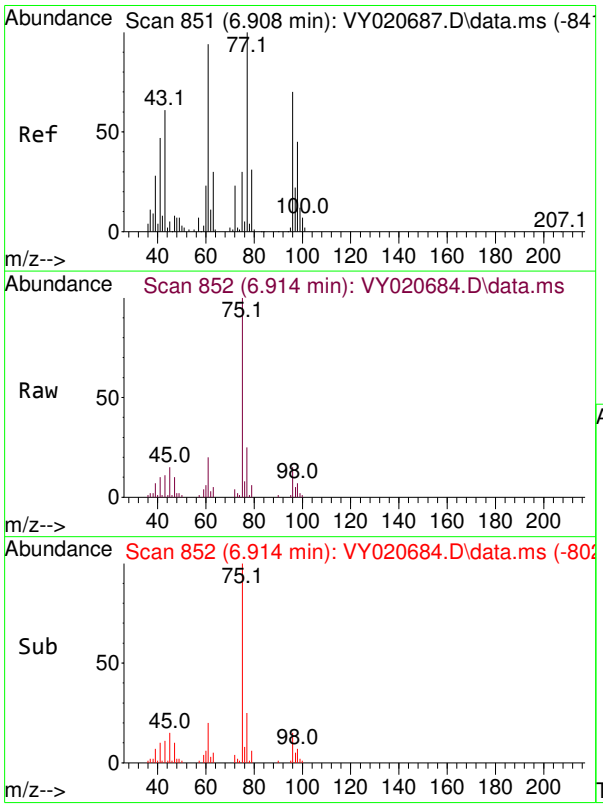


#24
1,1-Dichloroethane
Concen: 4.195 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 5733

Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.4	10.1
100	0.0	2.1	6.5#



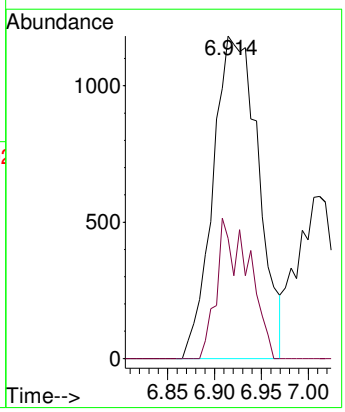


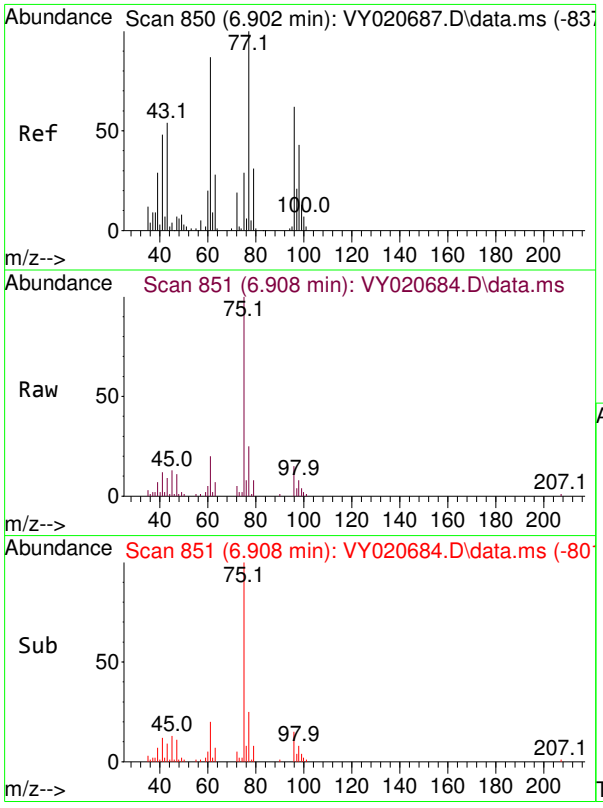
#25
2-Butanone
Concen: 24.392 ug/l
RT: 6.914 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 3974

Ion	Ratio	Lower	Upper
43	100		
72	37.3	20.6	31.0#

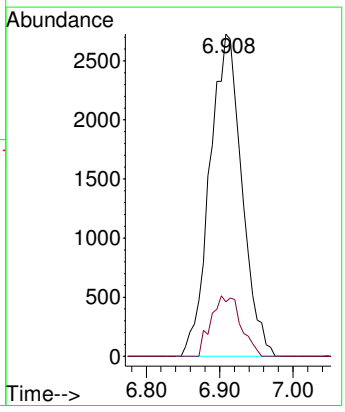


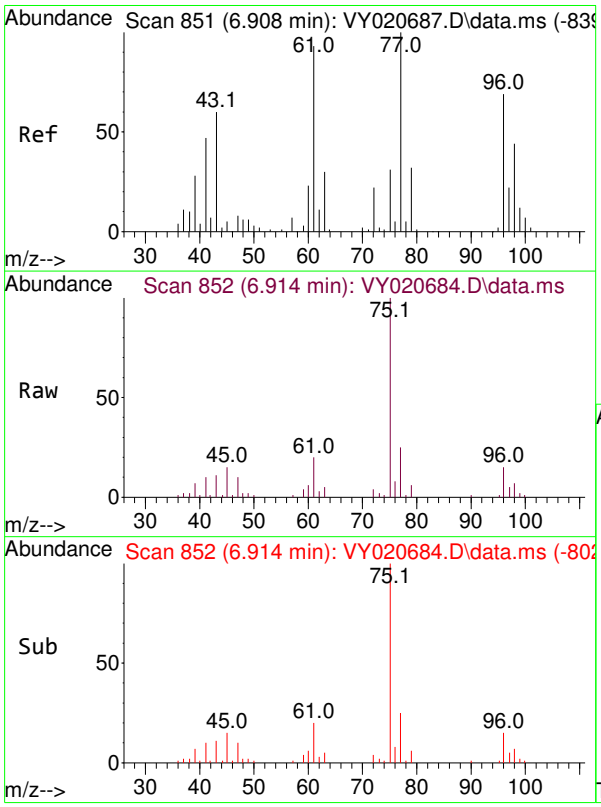


#26
2,2-Dichloropropane
Concen: 4.831 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 77 Resp: 8260

Ion	Ratio	Lower	Upper
77	100		
97	17.3	10.9	32.6



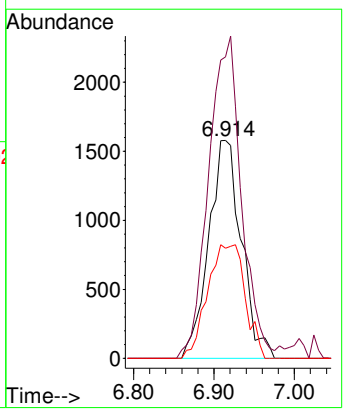


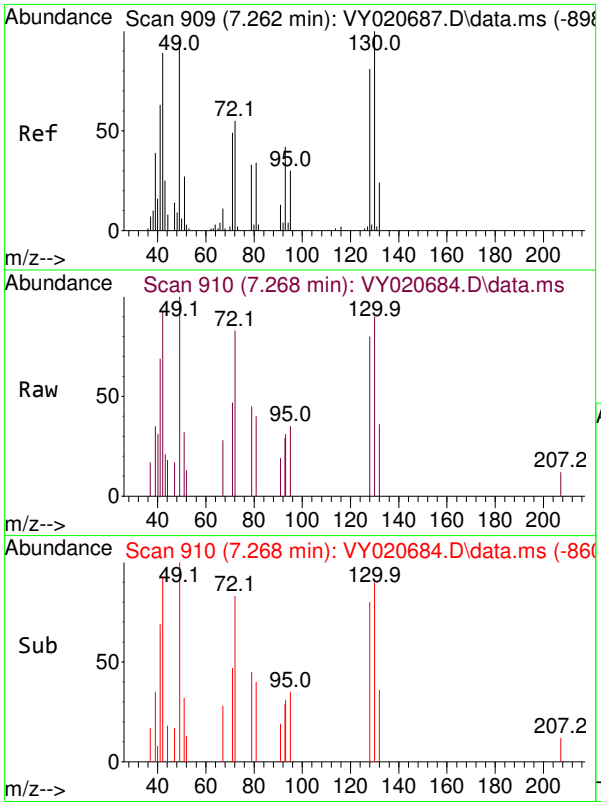
#27
cis-1,2-Dichloroethene
Concen: 4.538 ug/l
RT: 6.914 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 4456

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	306.2
98	59.9	0.0	127.2

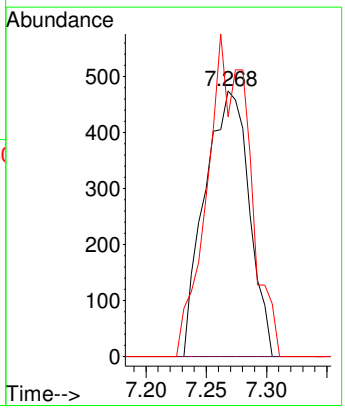


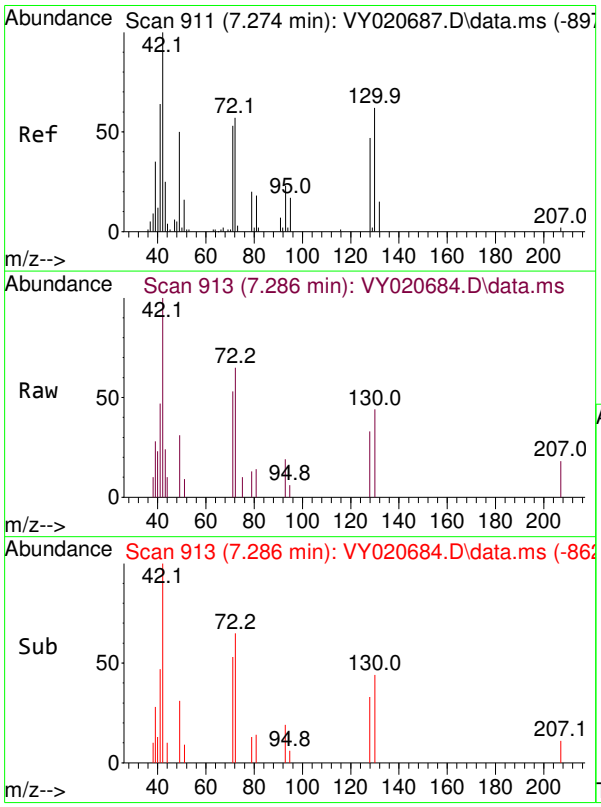


#28
Bromochloromethane
Concen: 6.257 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 49 Resp: 1210

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	114.7	58.3	87.5#



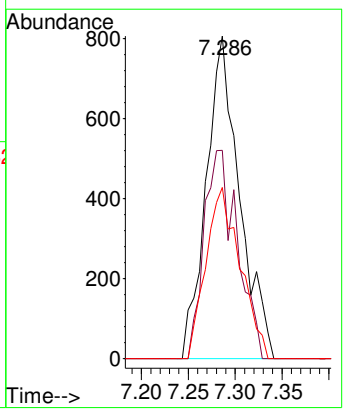


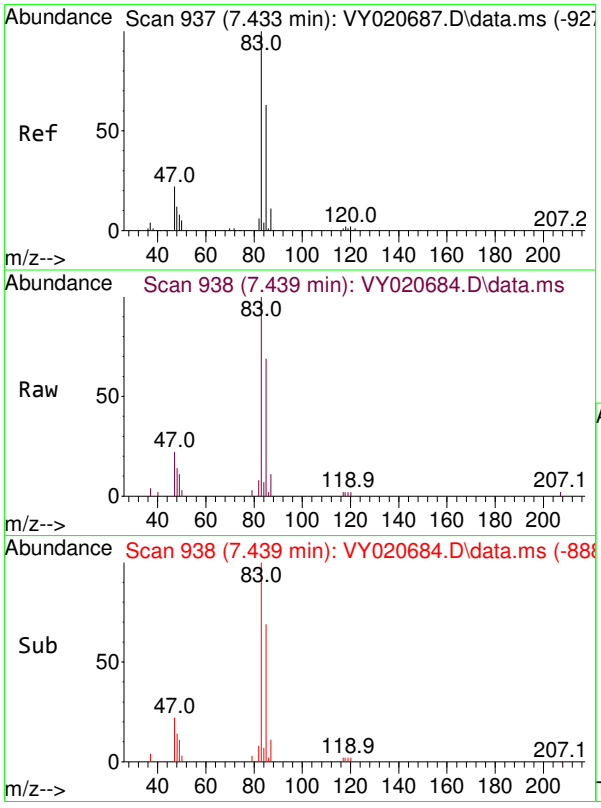
#29
Tetrahydrofuran
Concen: 20.802 ug/l
RT: 7.286 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 1992

Ion	Ratio	Lower	Upper
42	100		
72	64.0	34.0	51.0#
71	54.4	31.6	47.4#

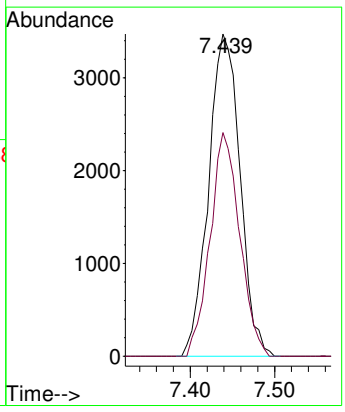


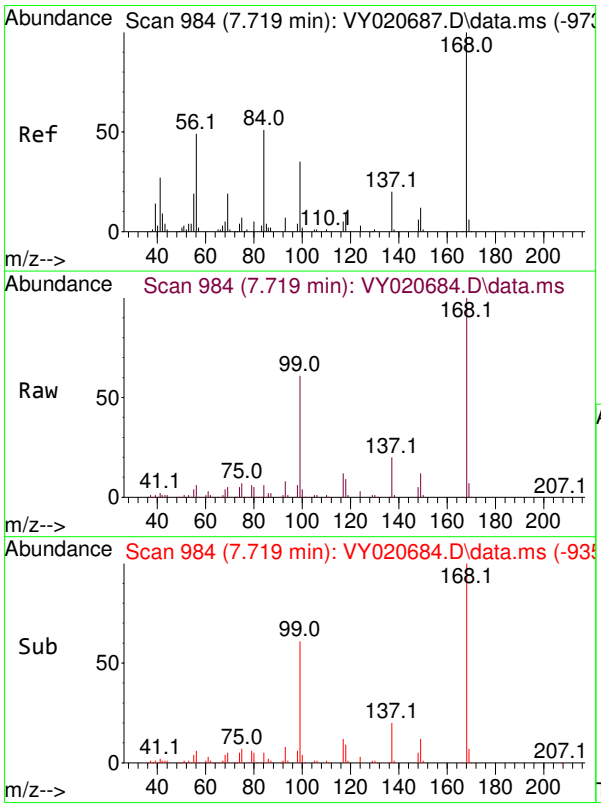


#30
Chloroform
Concen: 5.021 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 9018

Ion	Ratio	Lower	Upper
83	100		
85	69.4	52.7	79.1



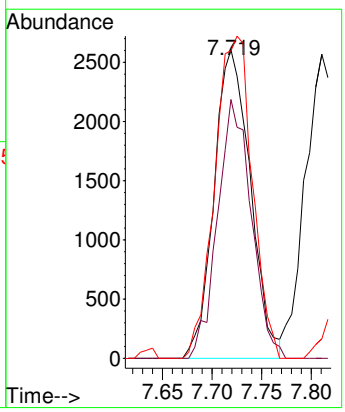


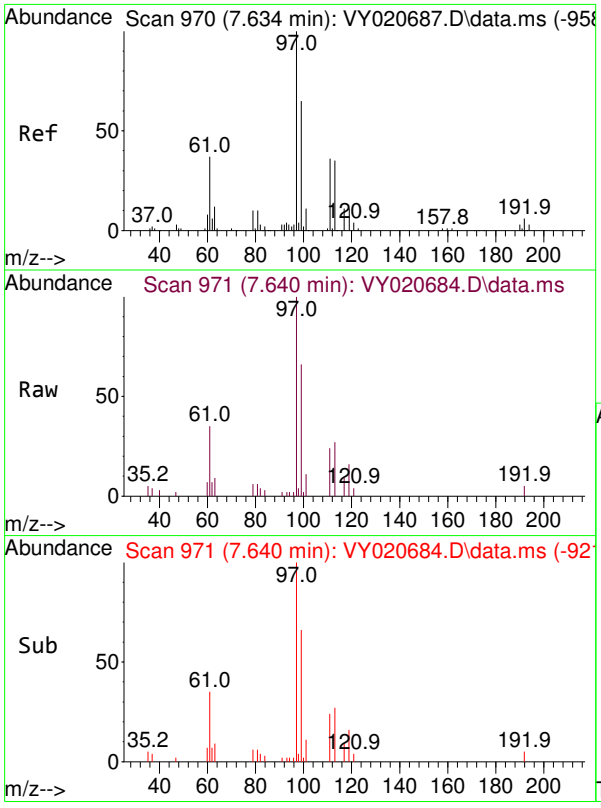
#31
Cyclohexane
Concen: 5.539 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 6636

Ion	Ratio	Lower	Upper
56	100		
69	83.9	25.4	38.0#
84	99.7	68.3	102.5

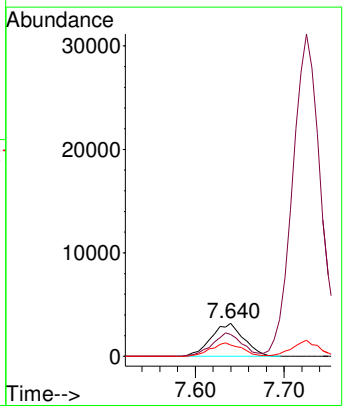


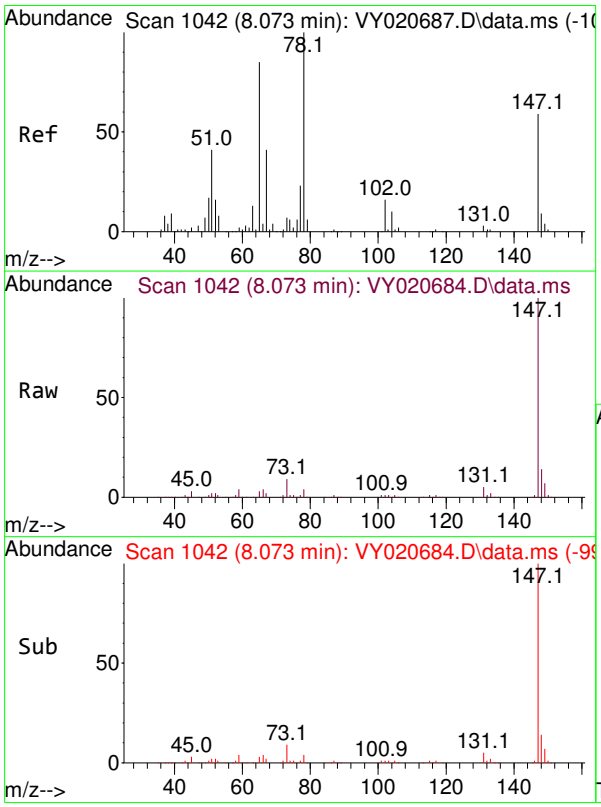


#32
1,1,1-Trichloroethane
Concen: 4.313 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 97 Resp: 8094

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	39.0	34.7	52.1



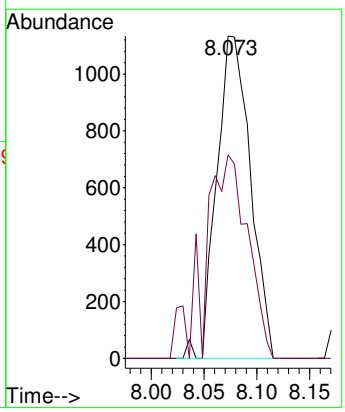


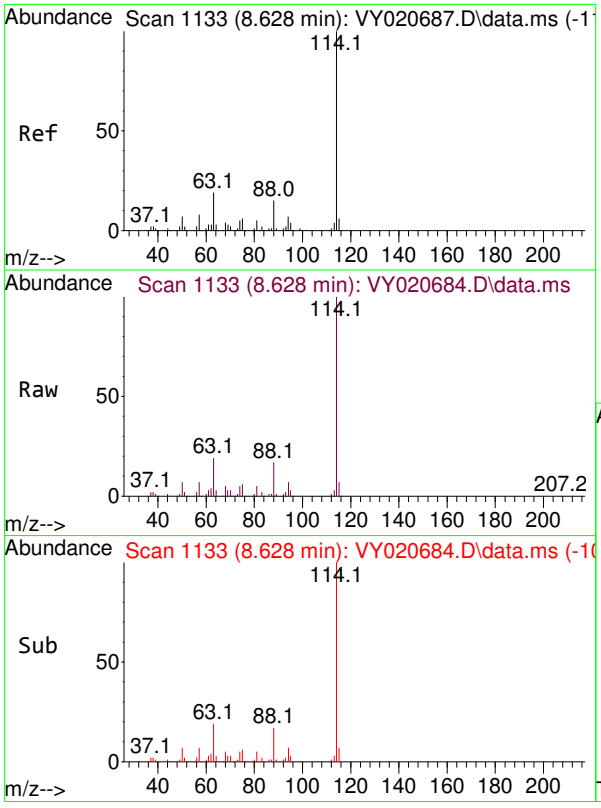
#33
1,2-Dichloroethane-d4
Concen: 2.480 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 2518

Ion	Ratio	Lower	Upper
65	100		
67	75.1	0.0	108.0

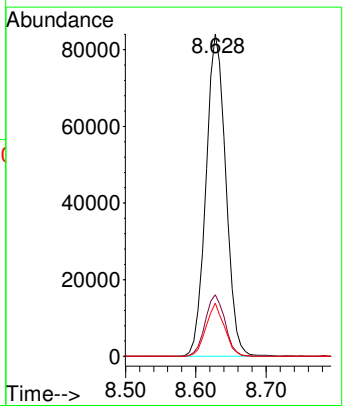


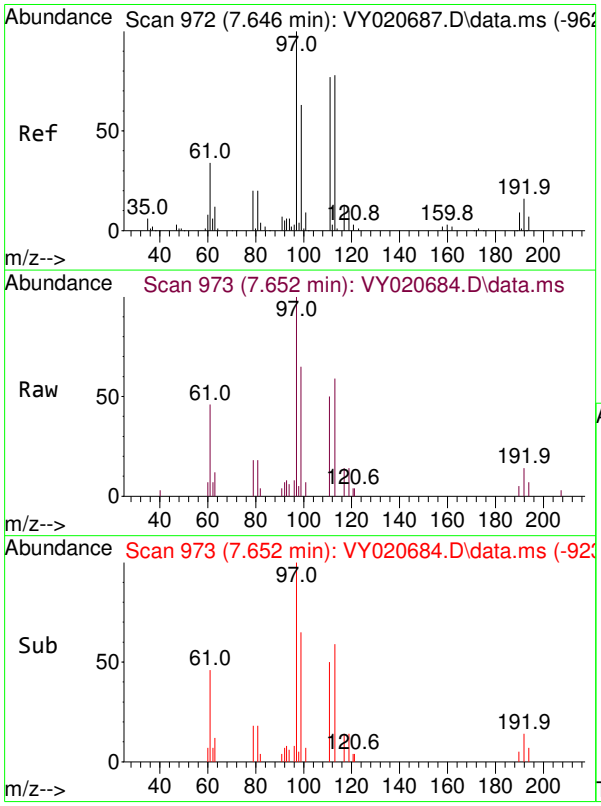


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:114 Resp: 164576

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	44.0
88	16.5	0.0	32.8



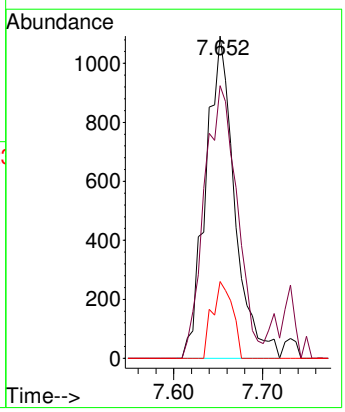


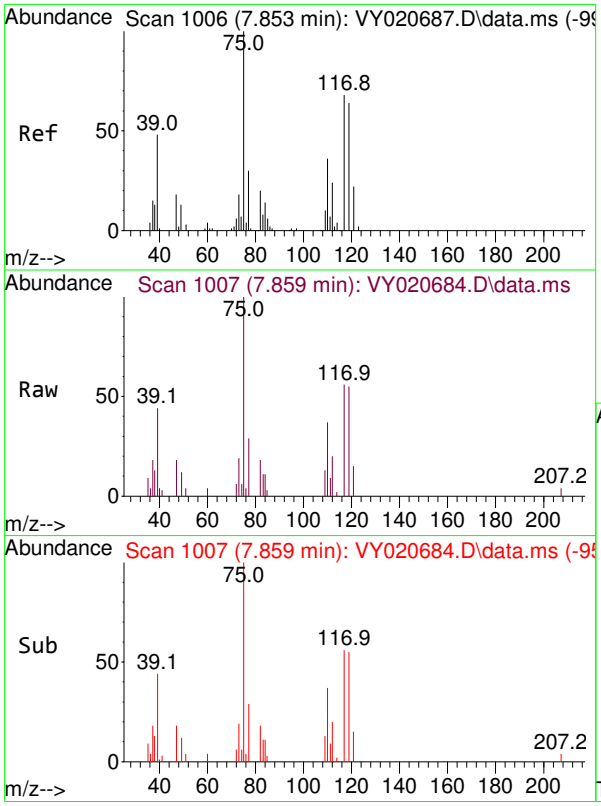
#35
Dibromofluoromethane
Concen: 2.561 ug/l
RT: 7.652 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 2475

Ion	Ratio	Lower	Upper
113	100		
111	95.8	82.9	124.3
192	16.6	15.7	23.5

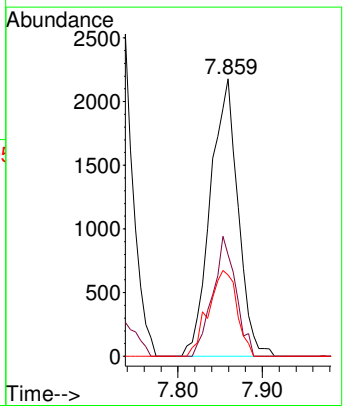


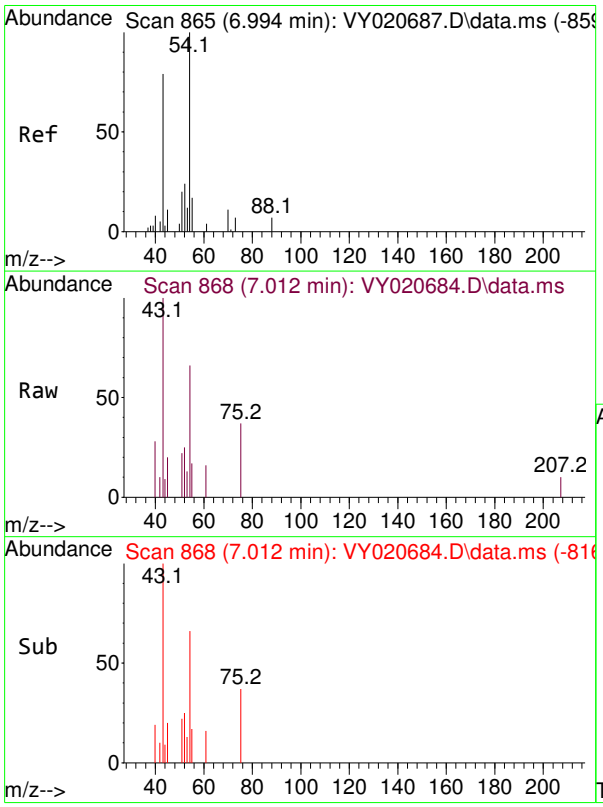


#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 7.859 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4978

Ion	Ratio	Lower	Upper
75	100		
110	36.2	16.8	50.4
77	31.8	25.0	37.6



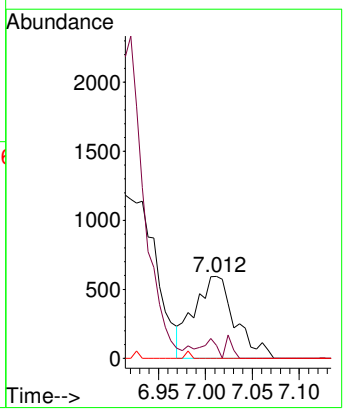


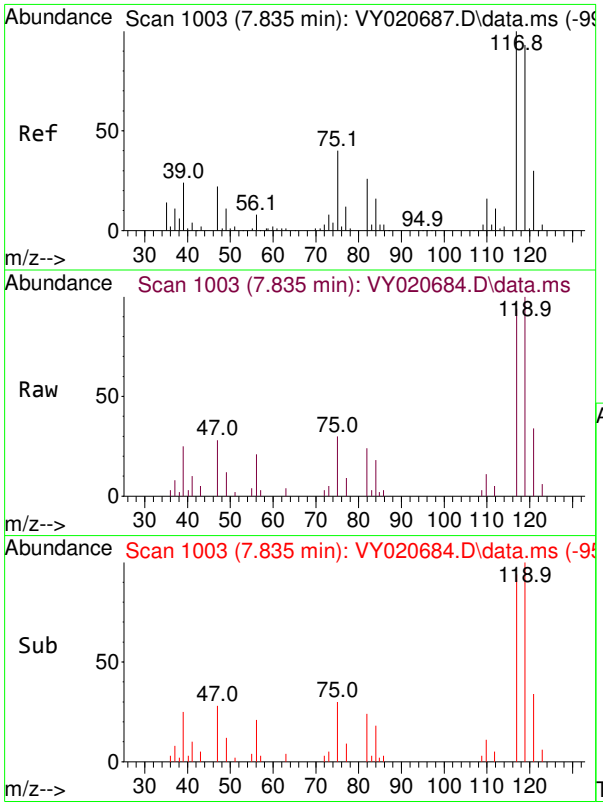
#37
Ethyl Acetate
Concen: 4.728 ug/l
RT: 7.012 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 1815

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	7.9	11.9#

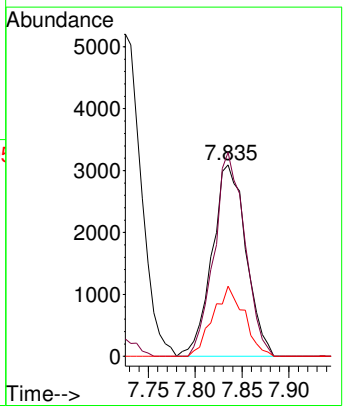


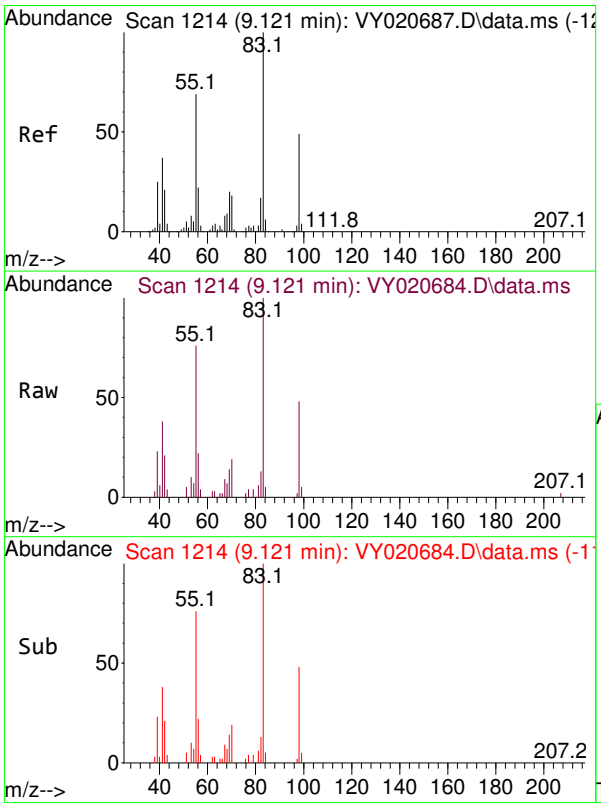


#38
Carbon Tetrachloride
Concen: 4.086 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:117 Resp: 7766

Ion	Ratio	Lower	Upper
117	100		
119	106.5	78.3	117.5
121	36.7	25.1	37.7



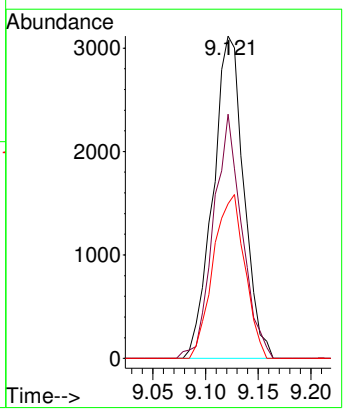


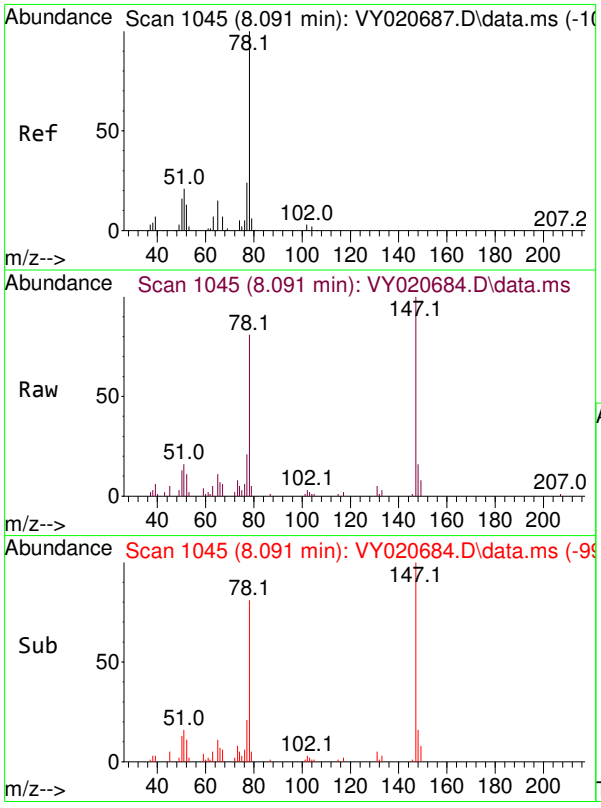
#39
Methylcyclohexane
Concen: 4.244 ug/l
RT: 9.121 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 6337

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.4	92.0
98	47.9	37.3	55.9

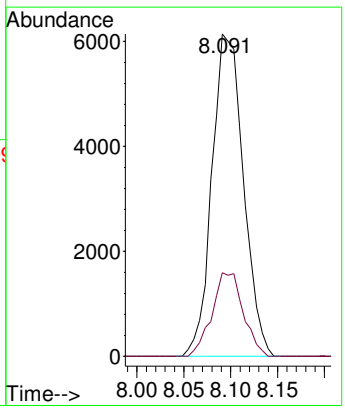


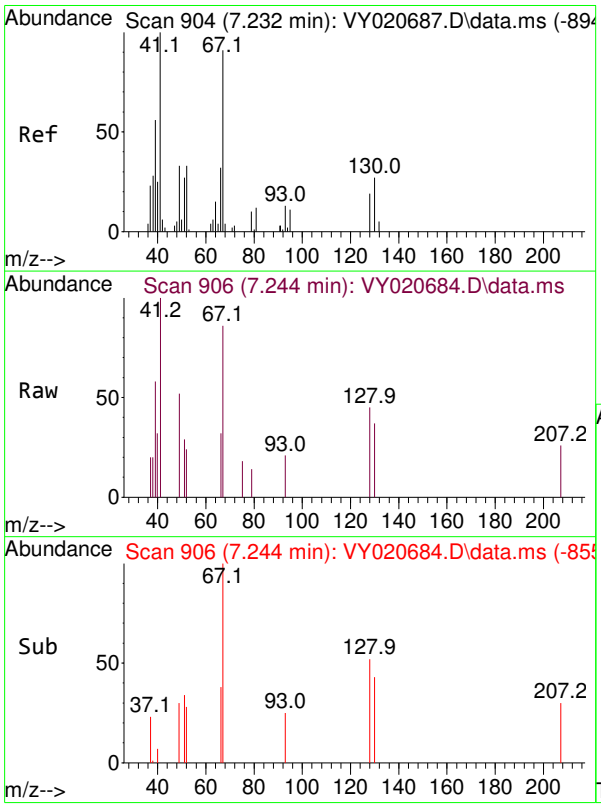


#40
Benzene
Concen: 4.223 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 78 Resp: 14311

Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.1	30.1



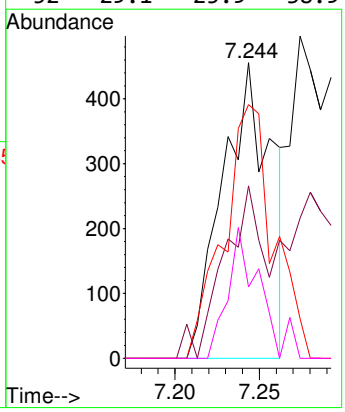


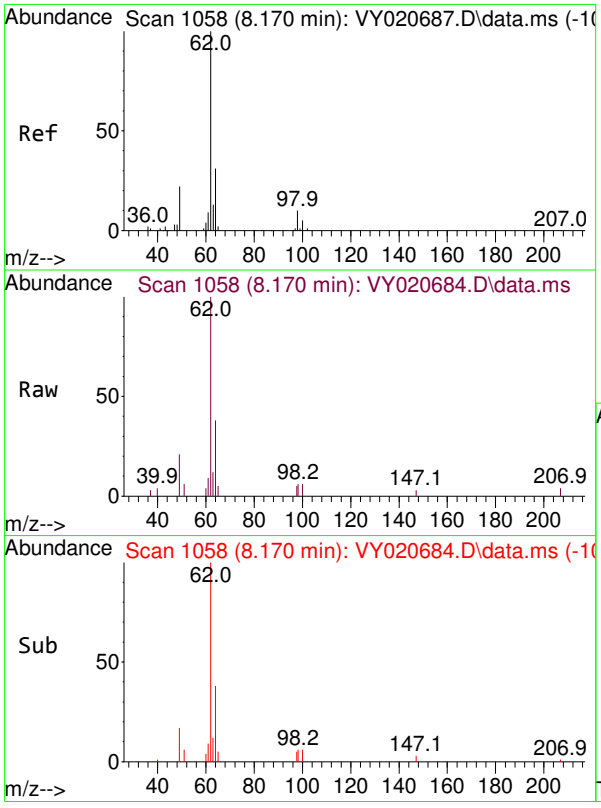
#41
Methacrylonitrile
Concen: 4.221 ug/l
RT: 7.244 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 917

Ion	Ratio	Lower	Upper
41	100		
39	47.3	53.6	80.4#
67	87.0	62.0	93.0
52	29.1	25.9	38.9

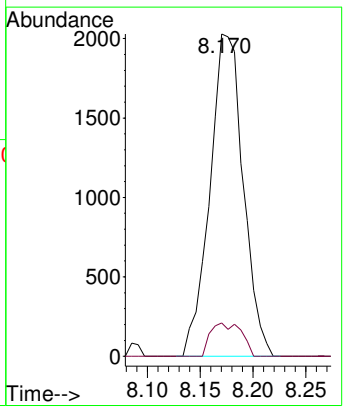


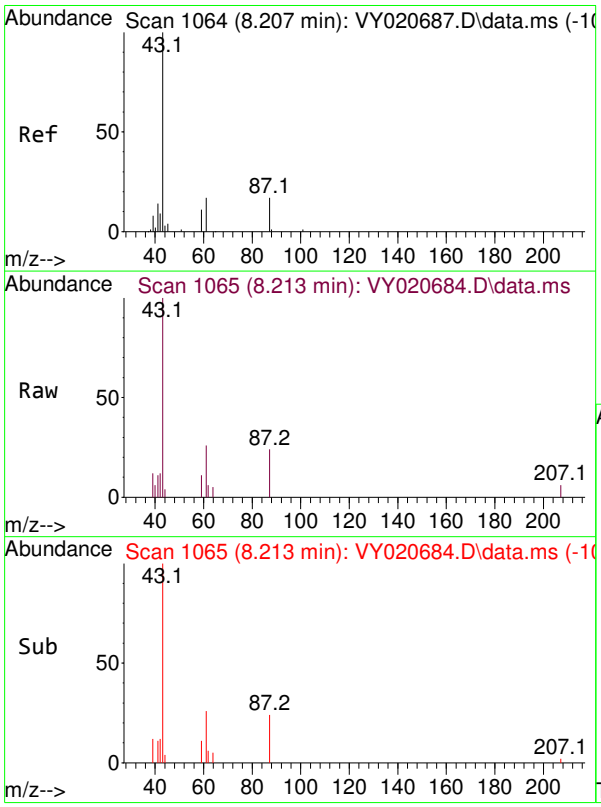


#42
1,2-Dichloroethane
Concen: 4.145 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 62 Resp: 4467

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.0



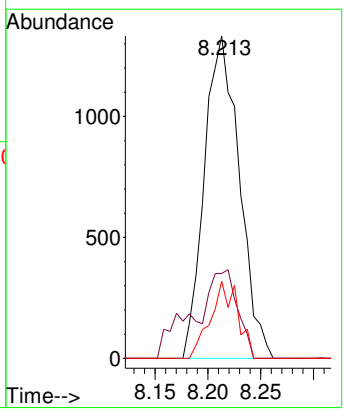


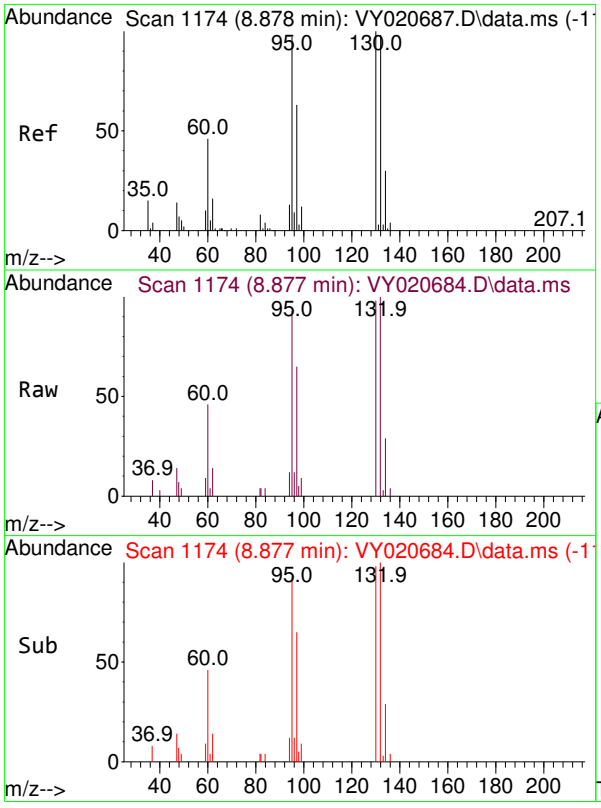
#43
Isopropyl Acetate
Concen: 3.863 ug/l
RT: 8.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 3082

Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.8	35.6#
87	18.6	10.2	15.4#

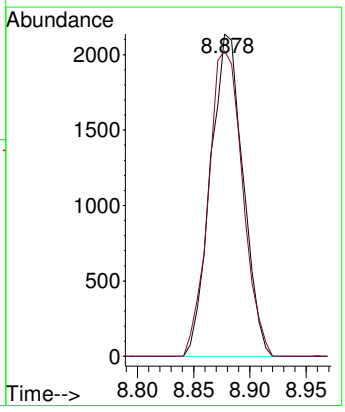


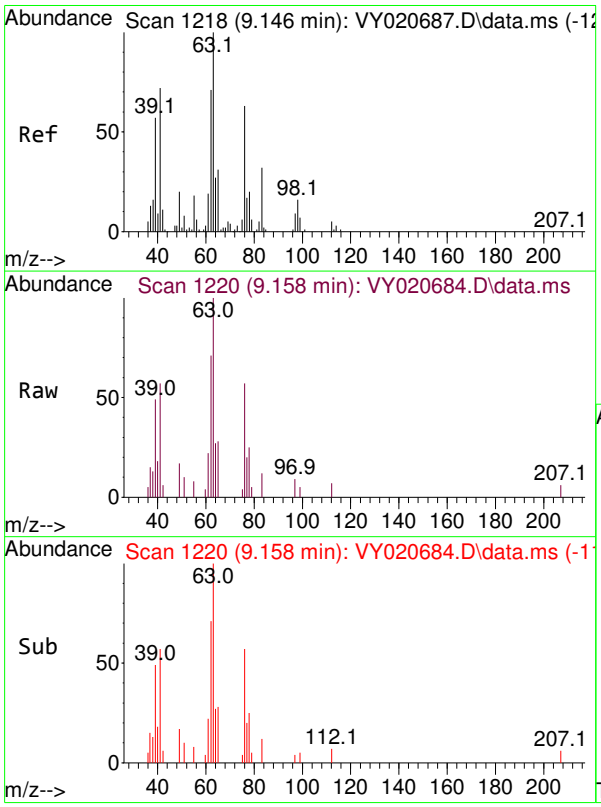


#44
Trichloroethene
Concen: 4.265 ug/l
RT: 8.877 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:130 Resp: 4289

Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	203.2



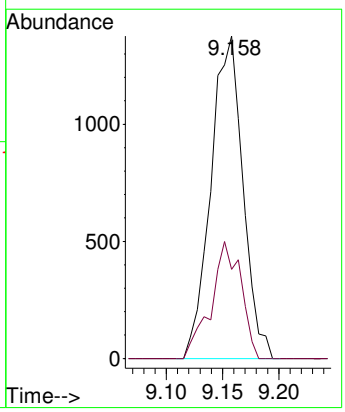


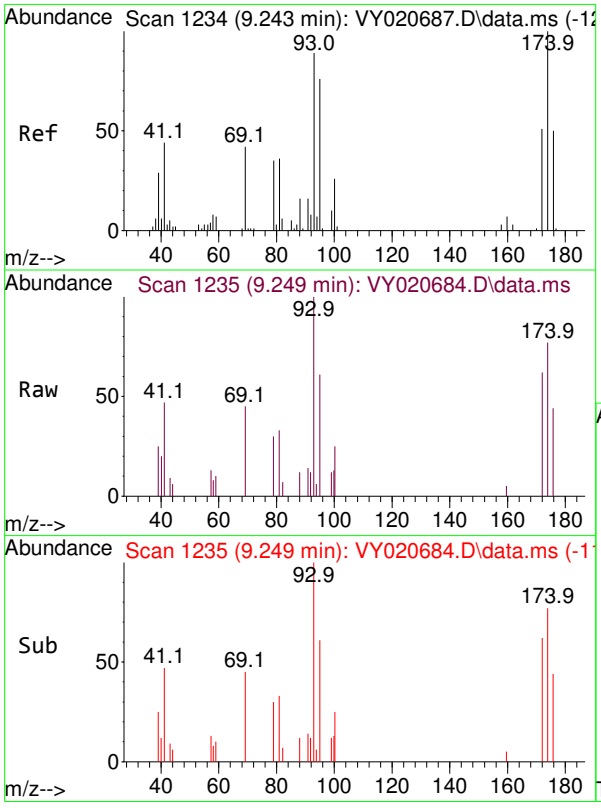
#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.158 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 2724

Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.9	38.9

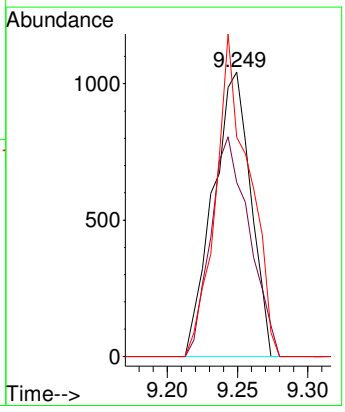


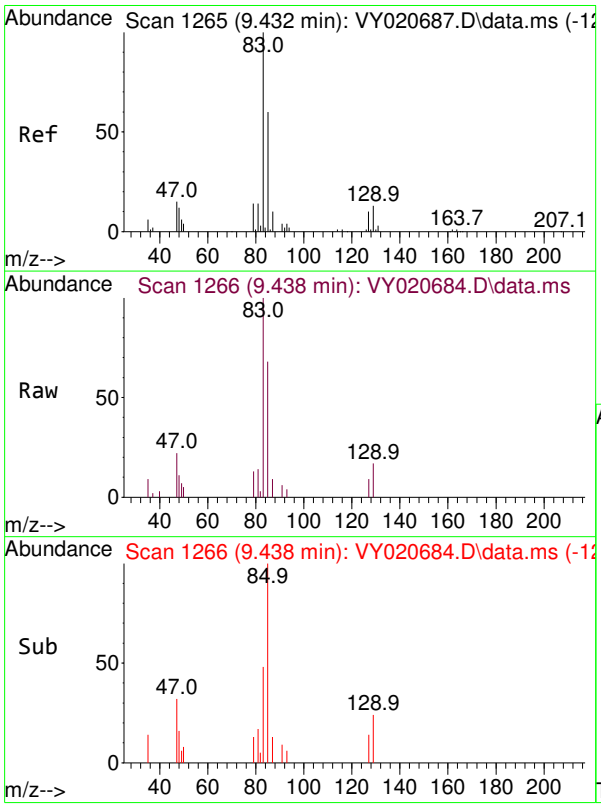


#46
Dibromomethane
Concen: 4.234 ug/l
RT: 9.249 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 93 Resp: 1946

Ion	Ratio	Lower	Upper
93	100		
95	79.1	66.7	100.1
174	100.2	77.8	116.6



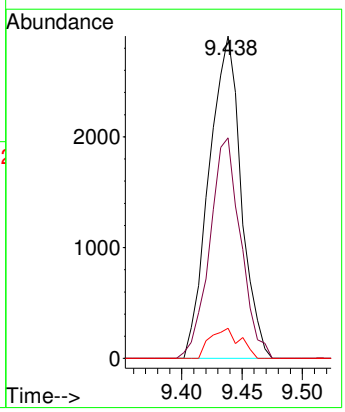


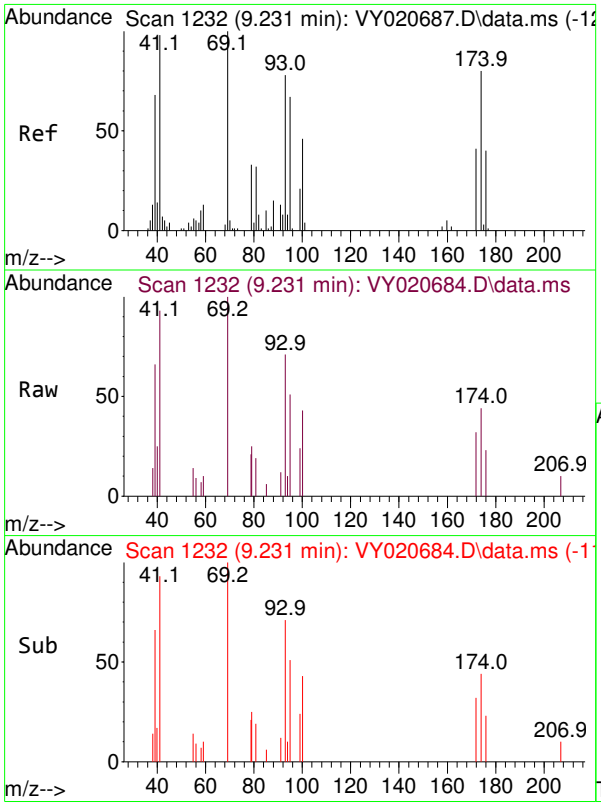
#47
Bromodichloromethane
Concen: 4.121 ug/l
RT: 9.438 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 5373

Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.1	78.1
127	9.4	6.7	10.1

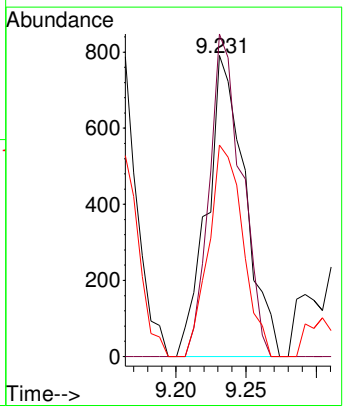


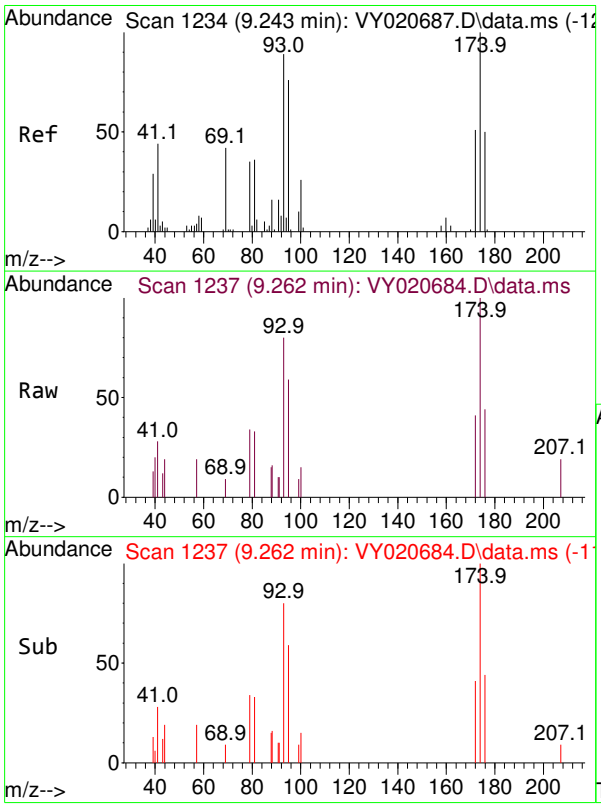


#48
Methyl methacrylate
Concen: 3.913 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 1480

Ion	Ratio	Lower	Upper
41	100		
69	91.6	67.2	100.8
39	63.6	42.2	63.4#



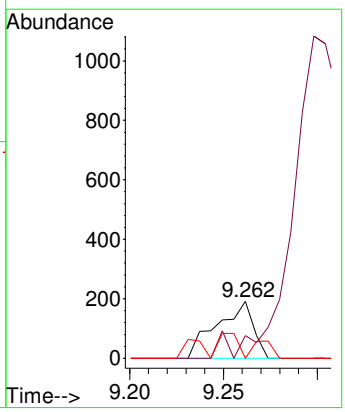


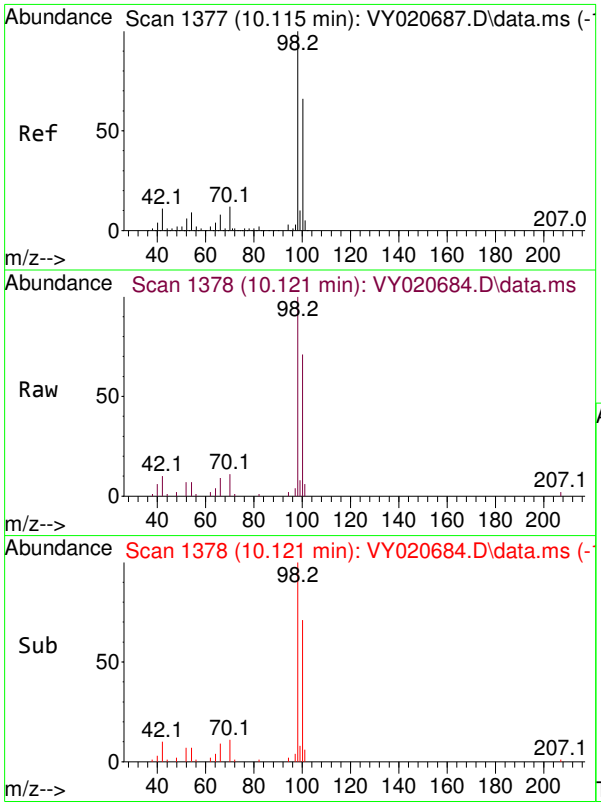
#49
1,4-Dioxane
Concen: 66.488 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.019 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 259

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.6	41.4#
58	23.6	61.7	92.5#

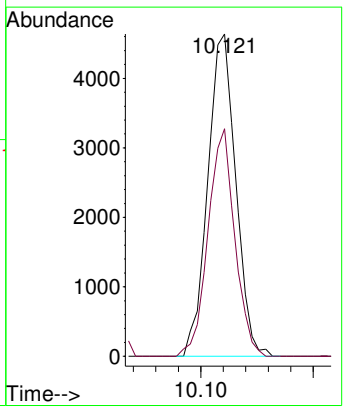


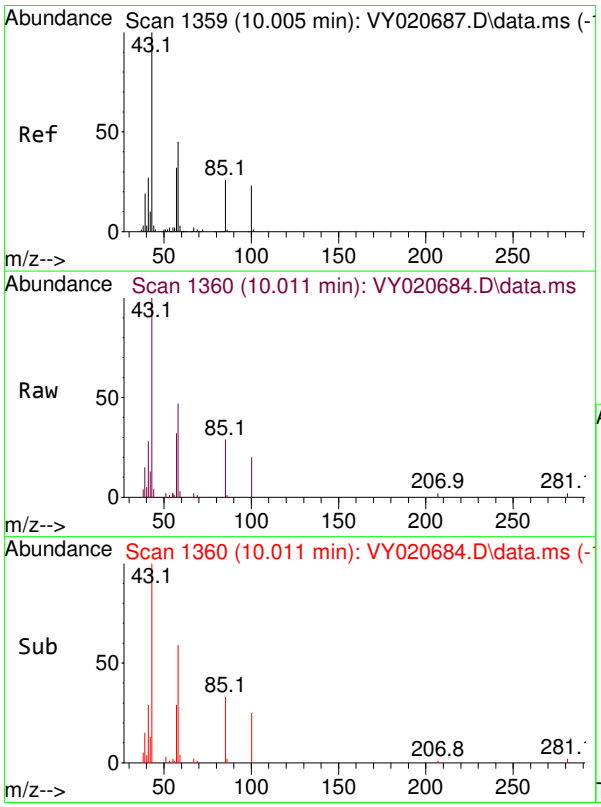


#50
Toluene-d8
Concen: 2.282 ug/l
RT: 10.121 min Scan# 1378
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 98 Resp: 8008

Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.1	78.1



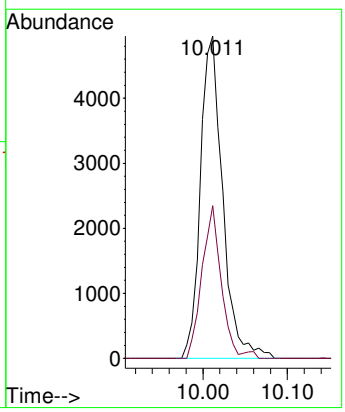


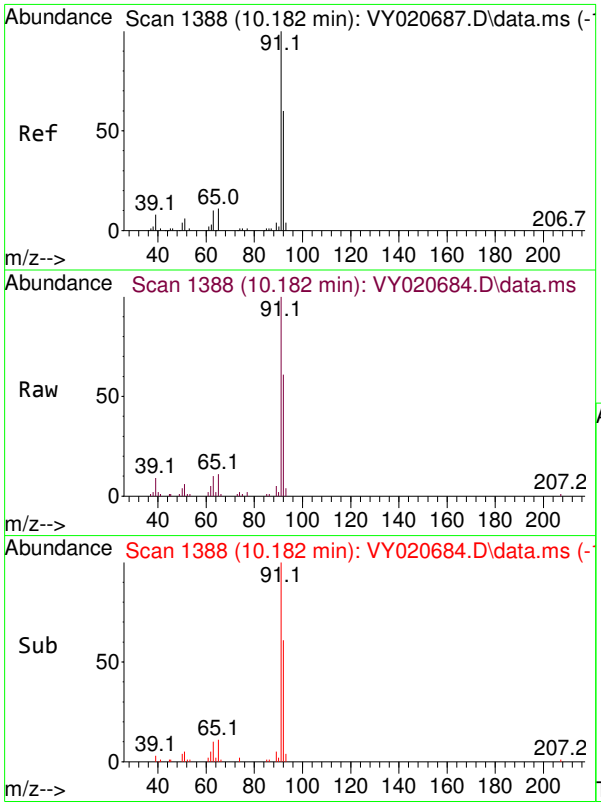
#51
4-Methyl-2-Pentanone
Concen: 22.757 ug/l
RT: 10.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 9070

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.4	47.2

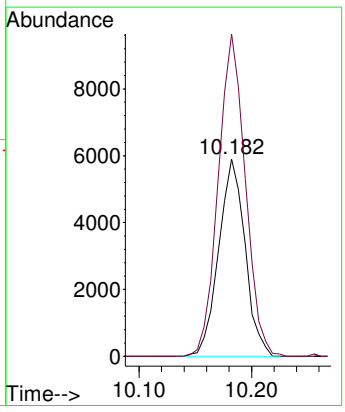


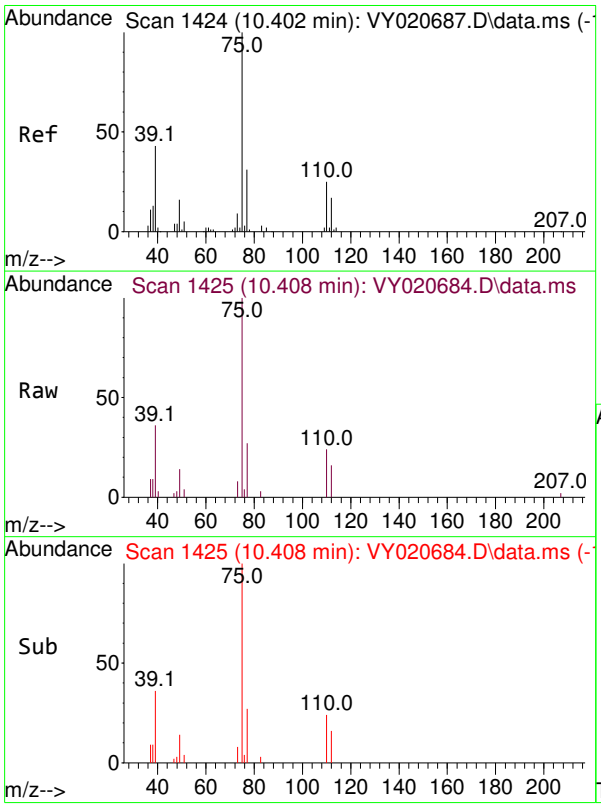


#52
Toluene
Concen: 4.153 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 92 Resp: 9584

Ion	Ratio	Lower	Upper
92	100		
91	167.7	137.4	206.0



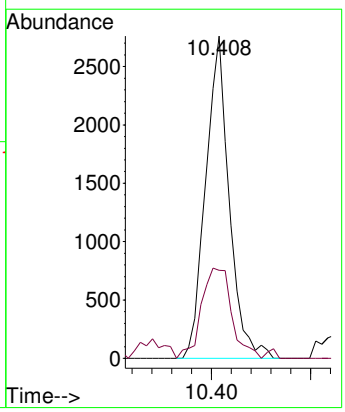


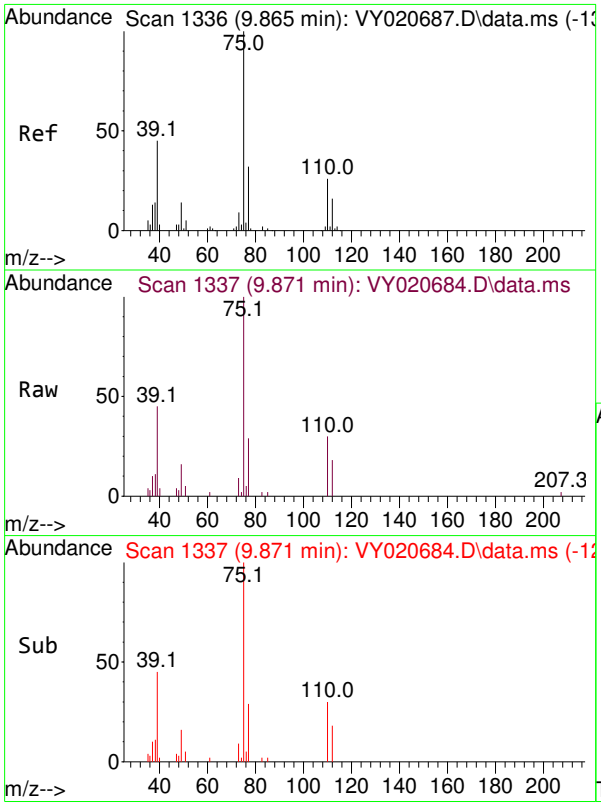
#53
t-1,3-Dichloropropene
Concen: 3.946 ug/l
RT: 10.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4552

Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.4	38.2

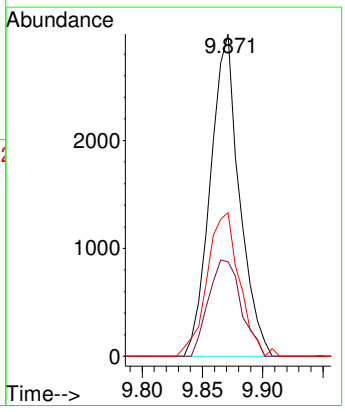


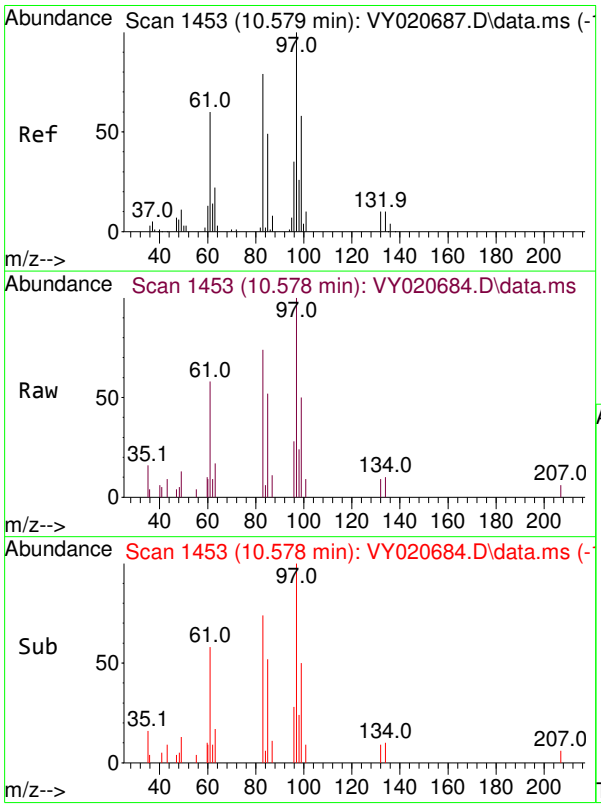


#54
cis-1,3-Dichloropropene
Concen: 3.931 ug/l
RT: 9.871 min Scan# 1337
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4997

Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.6	36.8
39	44.5	36.4	54.6



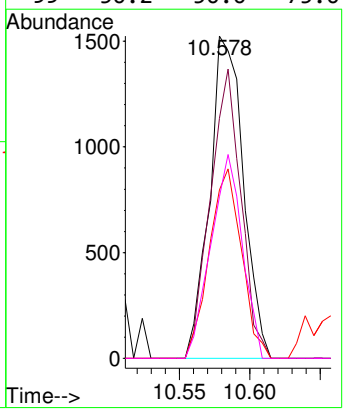


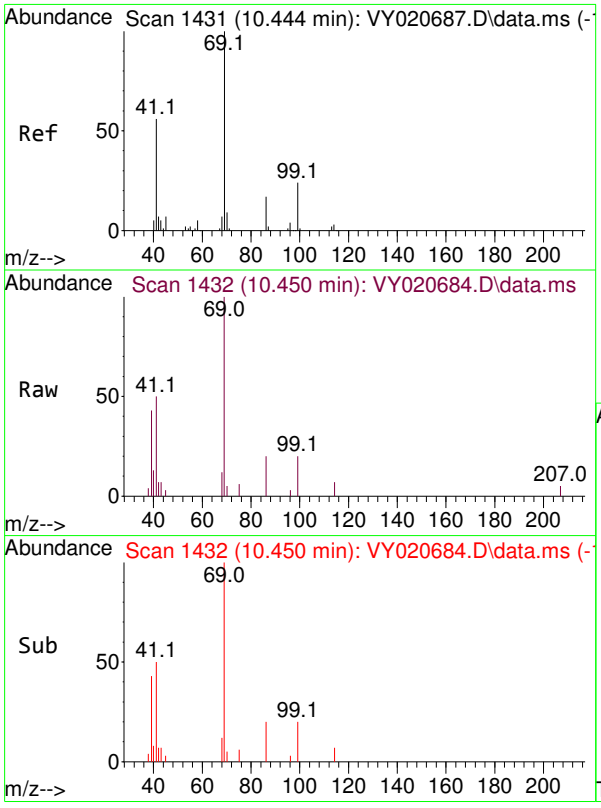
#55
1,1,2-Trichloroethane
Concen: 4.249 ug/l
RT: 10.578 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 2529

Ion	Ratio	Lower	Upper
97	100		
83	74.4	70.4	105.6
85	52.2	47.2	70.8
99	50.2	50.0	75.0

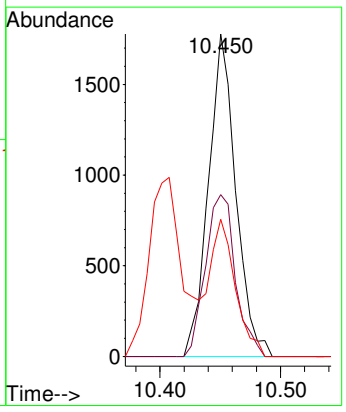


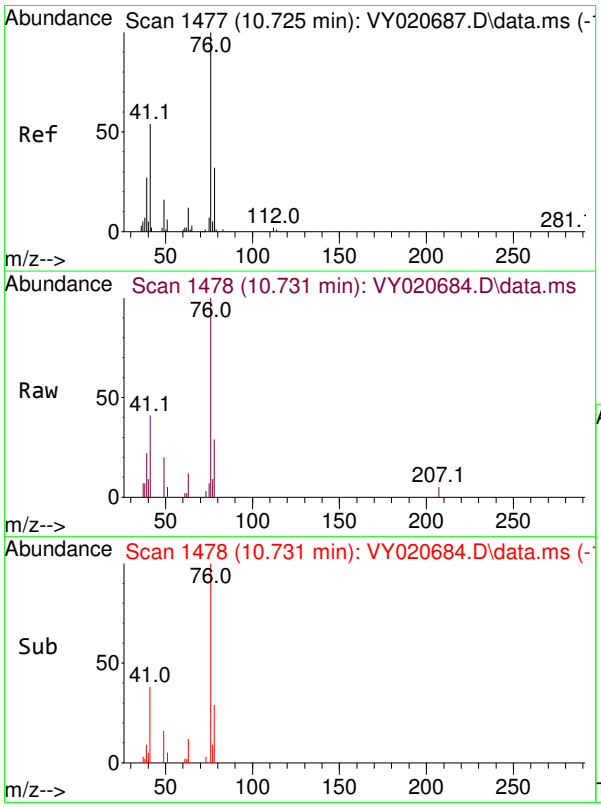


#56
Ethyl methacrylate
Concen: 3.682 ug/l
RT: 10.450 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 69 Resp: 2795

Ion	Ratio	Lower	Upper
69	100		
41	55.0	54.0	81.0
39	40.2	27.9	41.9



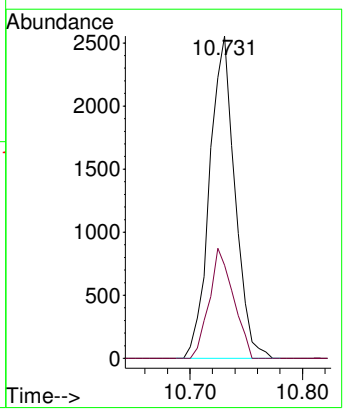


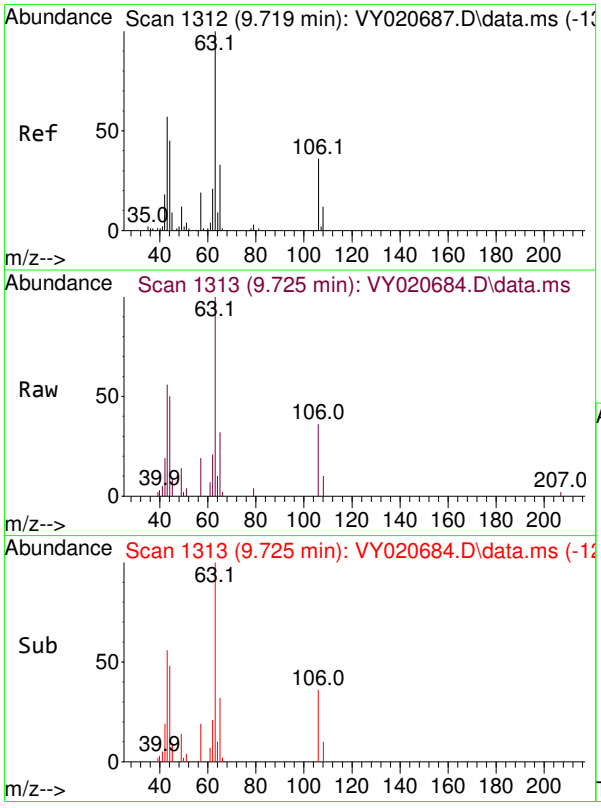
#57
1,3-Dichloropropane
Concen: 4.092 ug/l
RT: 10.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 3981

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

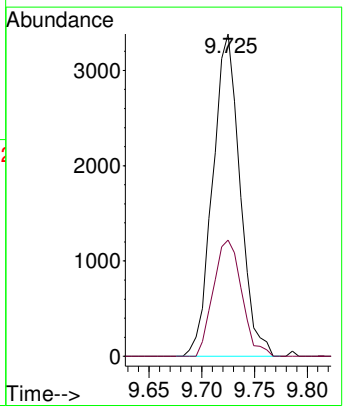


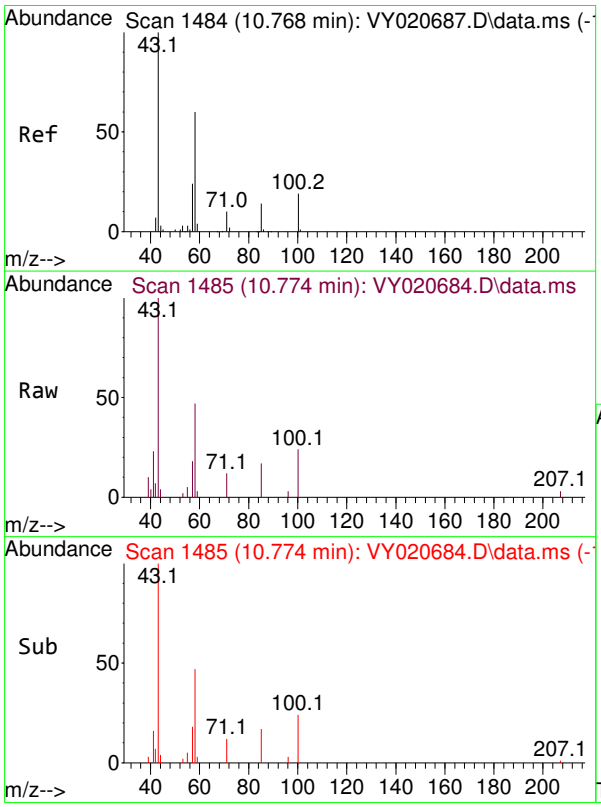


#58
2-Chloroethyl Vinyl ether
Concen: 21.573 ug/l
RT: 9.725 min Scan# 1313
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 6120

Ion	Ratio	Lower	Upper
63	100		
106	37.5	21.5	32.3#



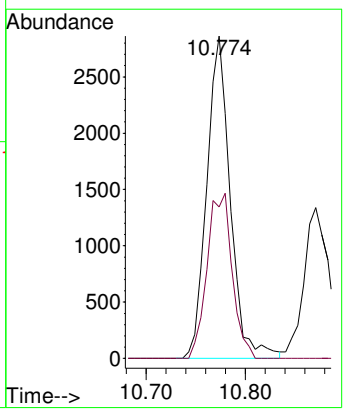


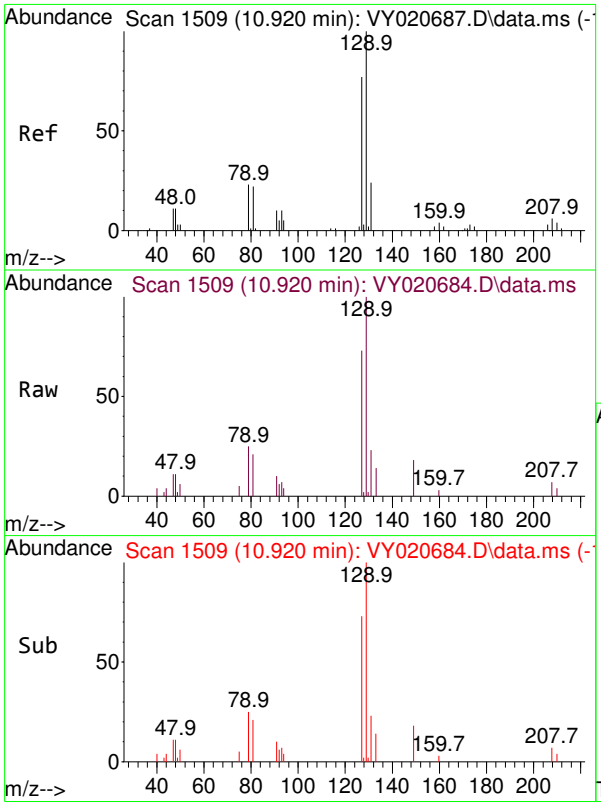
#59
2-Hexanone
Concen: 18.580 ug/l
RT: 10.774 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 4717

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

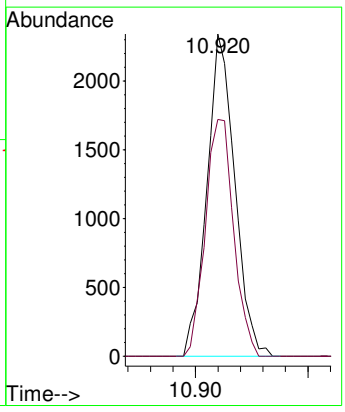


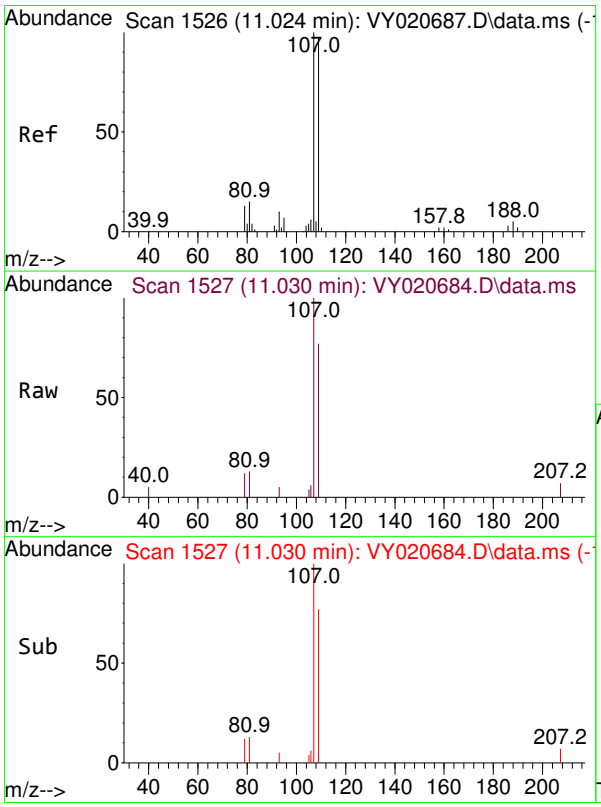


#60
Dibromochloromethane
Concen: 4.222 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:129 Resp: 4012

Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.1	114.3



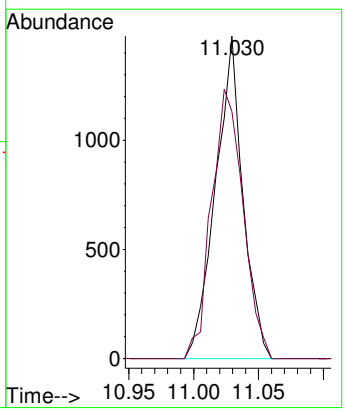


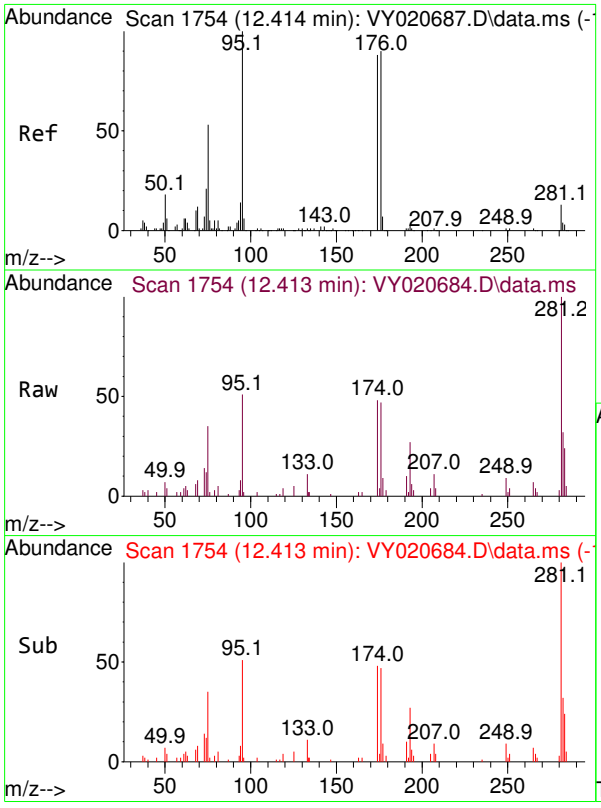
#61
1,2-Dibromoethane
Concen: 3.889 ug/l
RT: 11.030 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 2170

Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.4	113.2

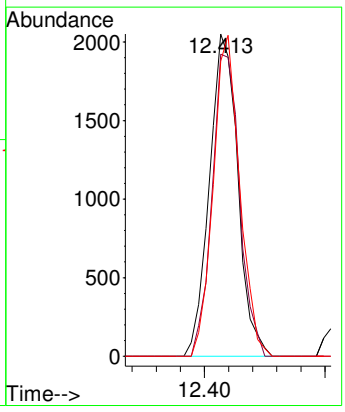


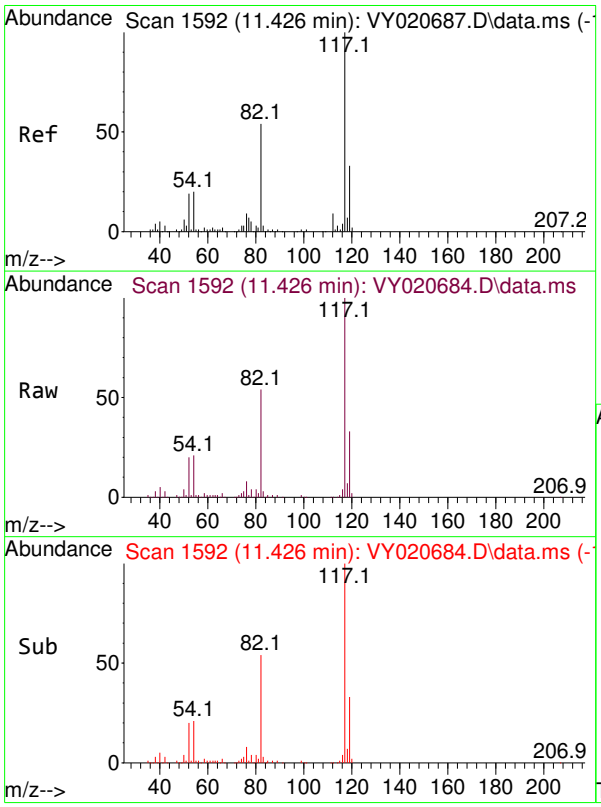


#62
4-Bromofluorobenzene
Concen: 2.619 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 95 Resp: 3346

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	161.8
176	92.8	0.0	156.6



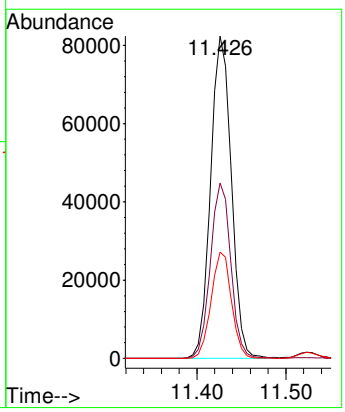


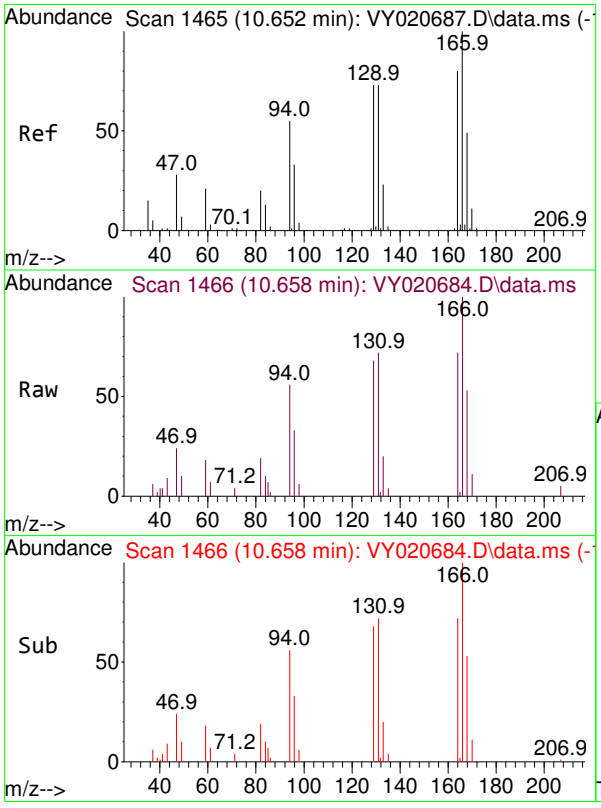
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 134316

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.8	68.6
119	32.9	25.3	37.9

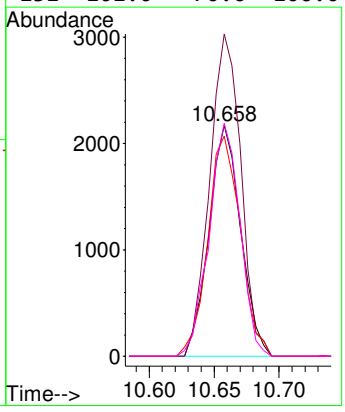


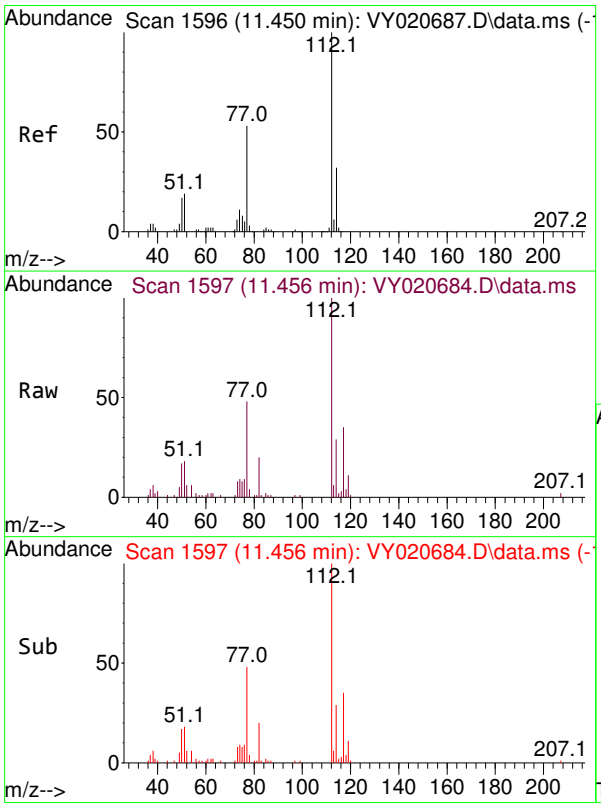


#64
Tetrachloroethene
Concen: 4.124 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:164 Resp: 3679

Ion	Ratio	Lower	Upper
164	100		
166	139.7	97.9	146.9
129	95.4	73.4	110.0
131	101.0	70.6	106.0



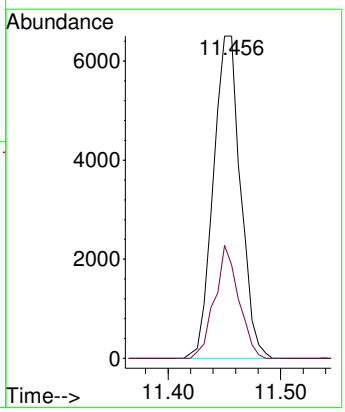


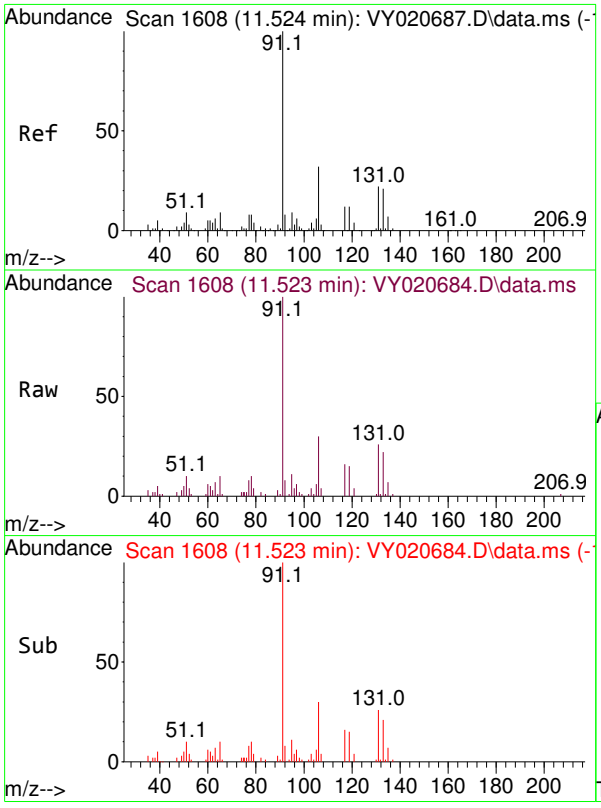
#65
Chlorobenzene
Concen: 4.339 ug/l
RT: 11.456 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 10890

Ion	Ratio	Lower	Upper
112	100		
114	29.1	26.0	39.0

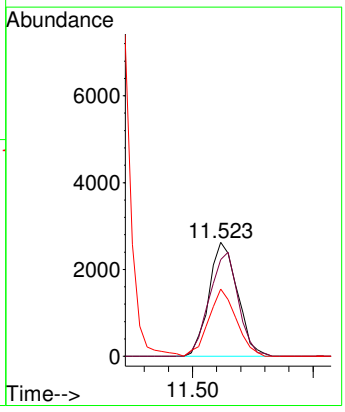


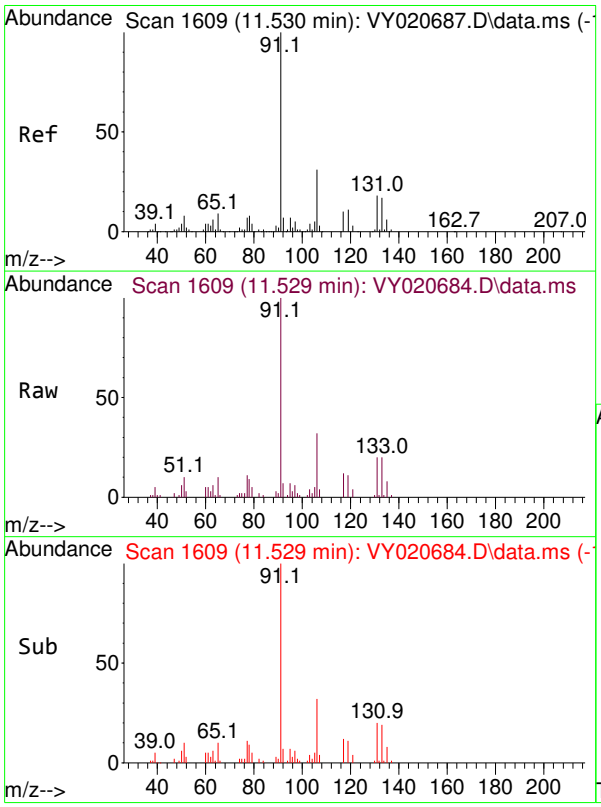


#66
1,1,1,2-Tetrachloroethane
Concen: 4.398 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:131 Resp: 4311

Ion	Ratio	Lower	Upper
131	100		
133	92.0	46.8	140.3
119	57.1	31.8	95.3



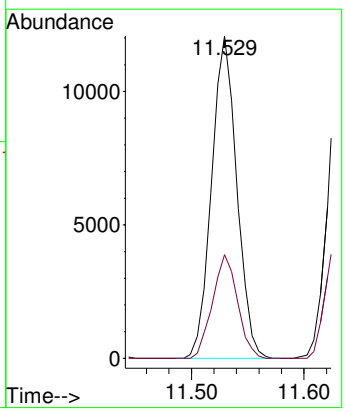


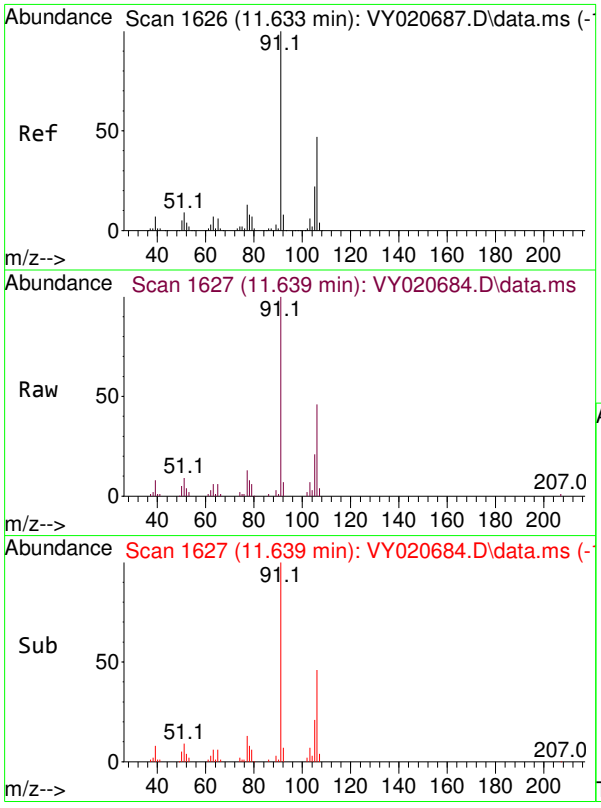
#67
Ethyl Benzene
Concen: 4.168 ug/l
RT: 11.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 18768

Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.9	35.9

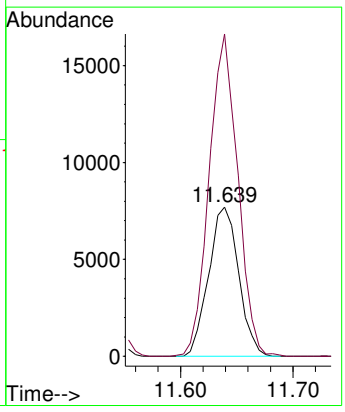


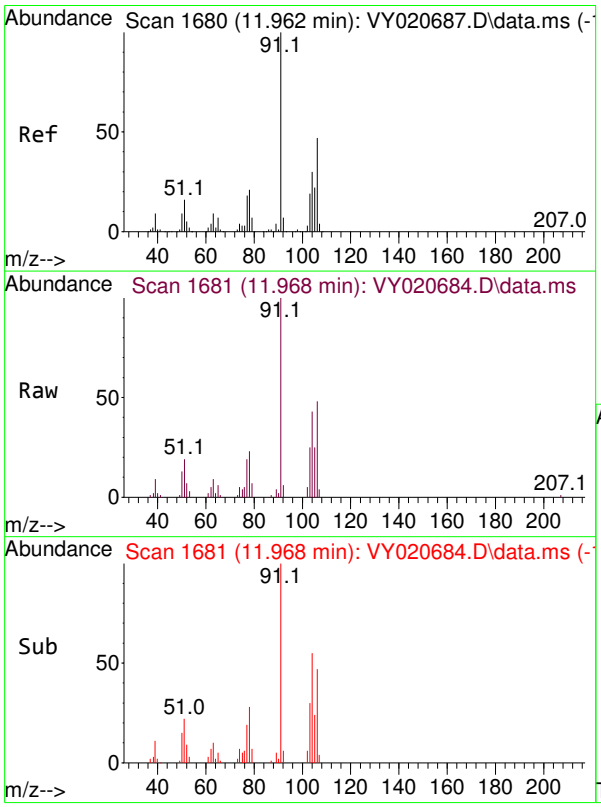


#68
m/p-Xylenes
Concen: 8.311 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:106 Resp: 14272

Ion	Ratio	Lower	Upper
106	100		
91	206.0	165.0	247.4



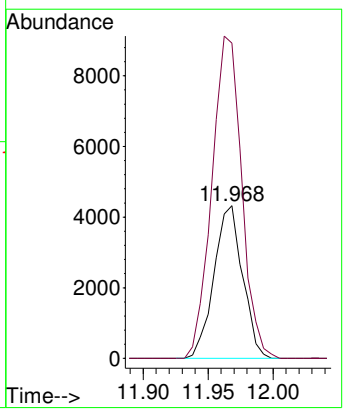


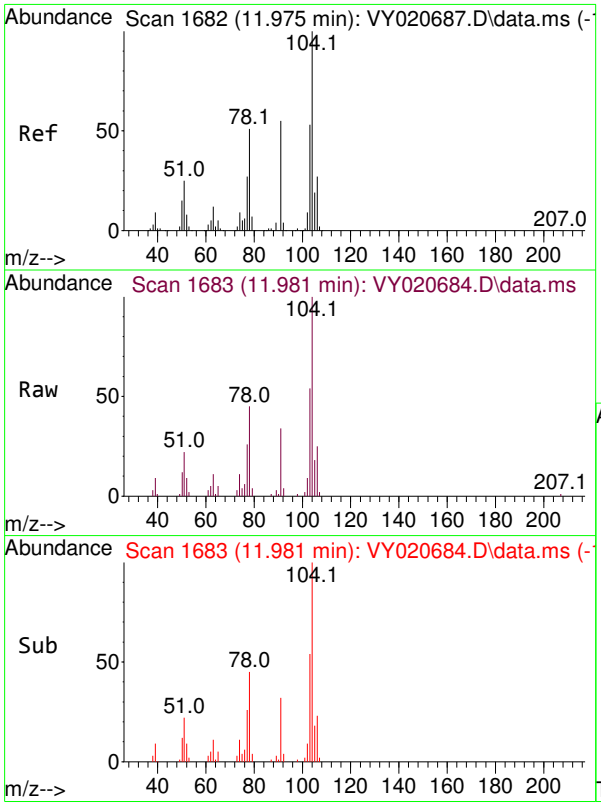
#69
o-Xylene
Concen: 4.102 ug/l
RT: 11.968 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 6616

Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.4	325.2

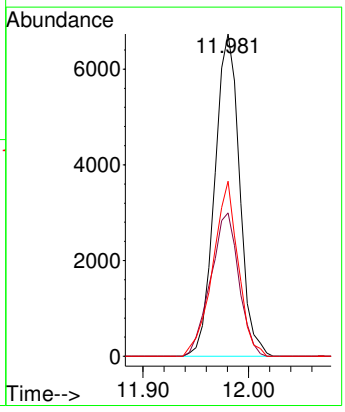


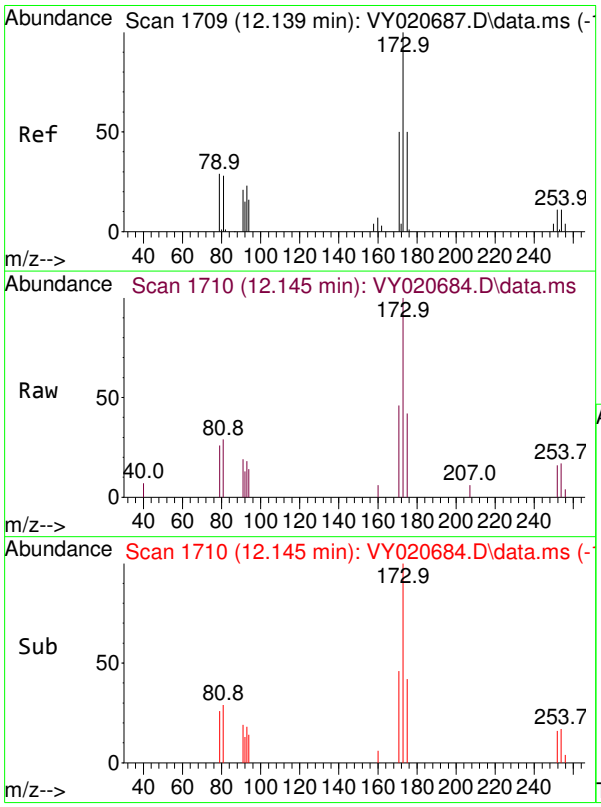


#70
Styrene
Concen: 4.073 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:104 Resp: 11050

Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.6	62.4
103	55.6	43.7	65.5



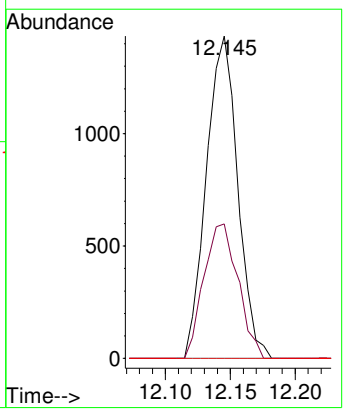


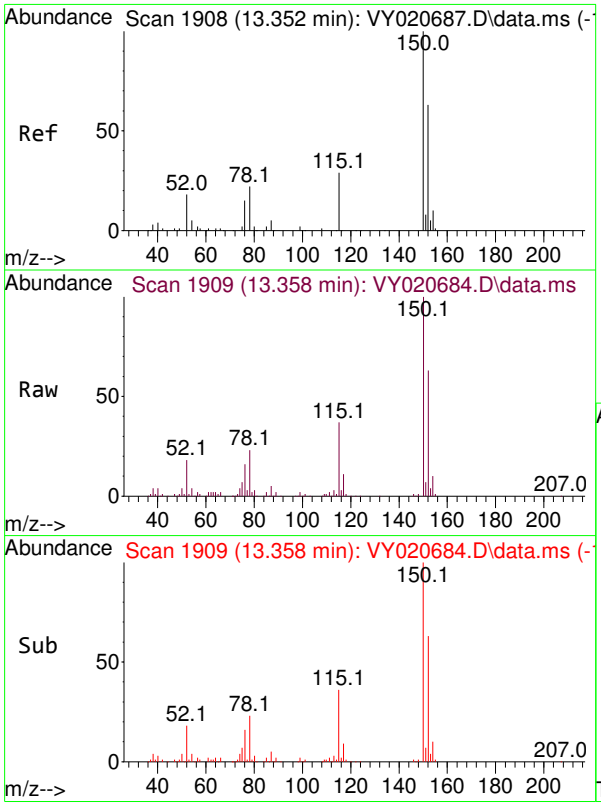
#71
Bromoform
Concen: 4.295 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 2411

Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.6	74.0
254	0.0	0.0	0.0

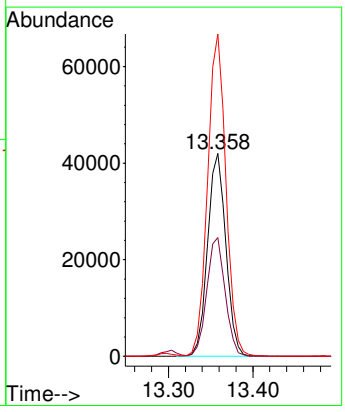


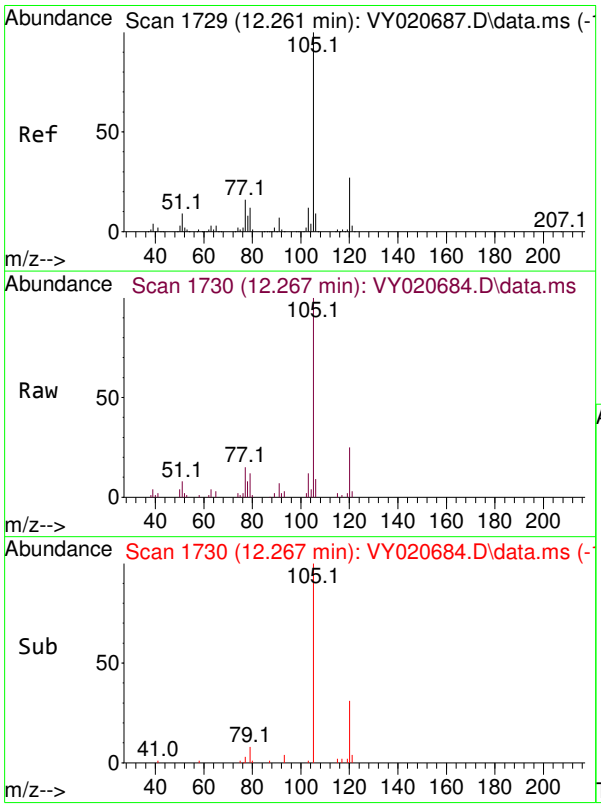


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:152 Resp: 63466

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.2	90.6
150	159.2	0.0	355.4



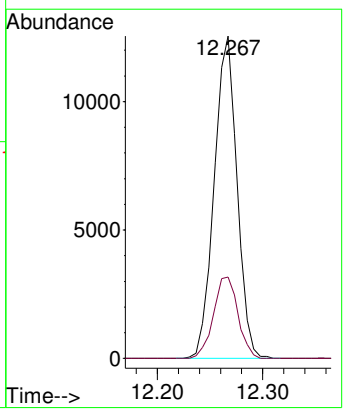


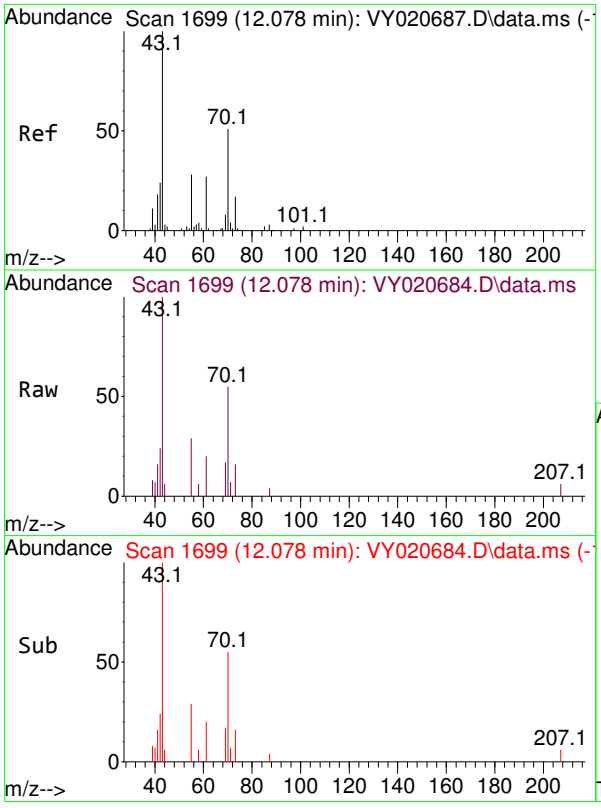
#73
Isopropylbenzene
Concen: 4.385 ug/l
RT: 12.267 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 18930

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.1	39.1

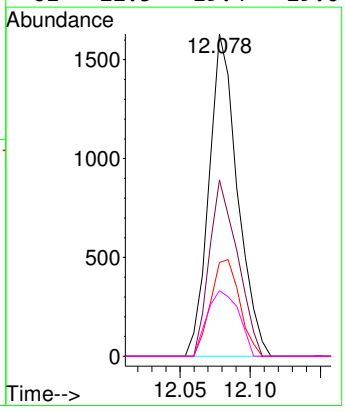


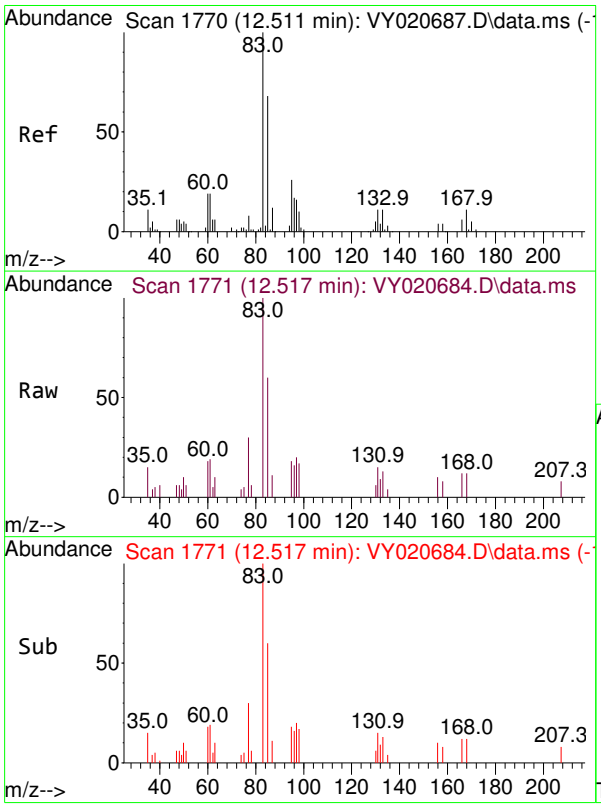


#74
N-amyl acetate
Concen: 3.780 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 2293

Ion	Ratio	Lower	Upper
43	100		
70	53.9	34.2	51.2#
55	30.4	19.6	29.4#
61	22.5	19.4	29.0



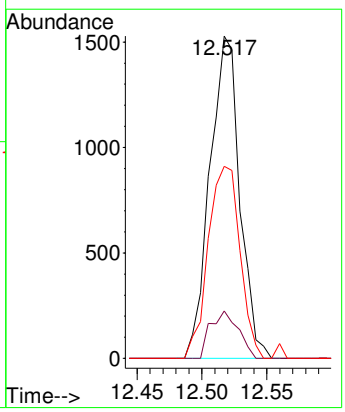


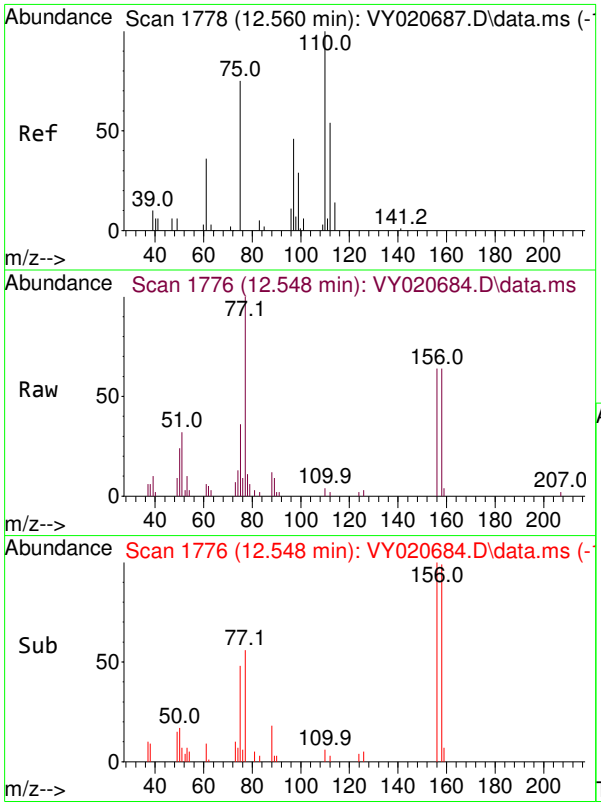
#75
1,1,2,2-Tetrachloroethane
Concen: 4.410 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 2450

Ion	Ratio	Lower	Upper
83	100		
131	13.7	5.2	15.6
85	63.5	32.5	97.4

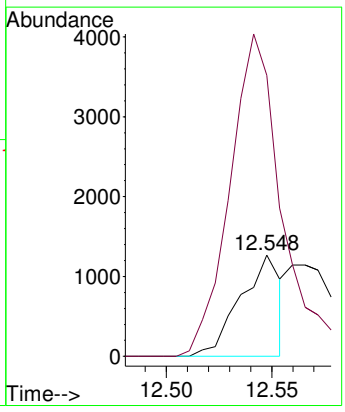


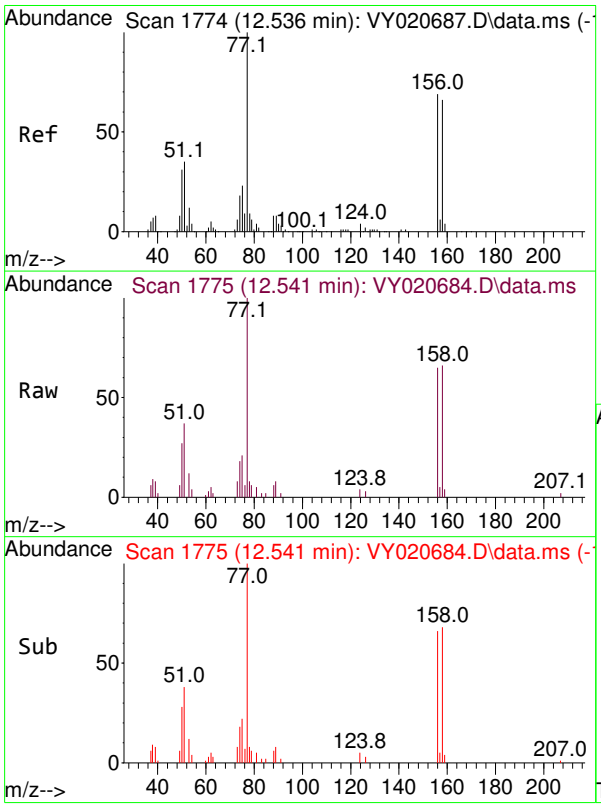


#76
1,2,3-Trichloropropane
Concen: 4.031 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. -0.012 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 1677

Ion	Ratio	Lower	Upper
75	100		
77	417.4	0.0	0.0#



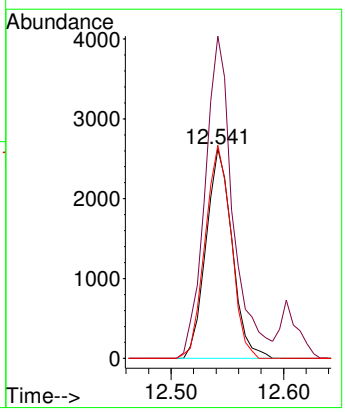


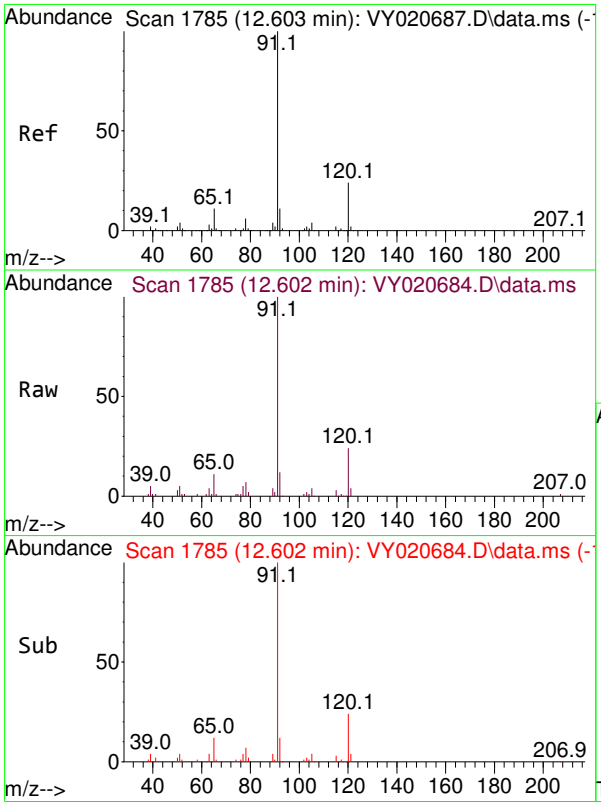
#77
Bromobenzene
Concen: 4.307 ug/l
RT: 12.541 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 4234

Ion	Ratio	Lower	Upper
156	100		
77	165.3	94.2	282.4
158	100.9	48.9	146.6

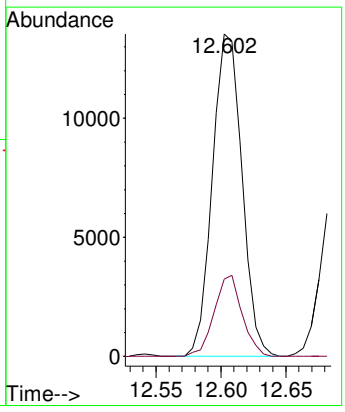


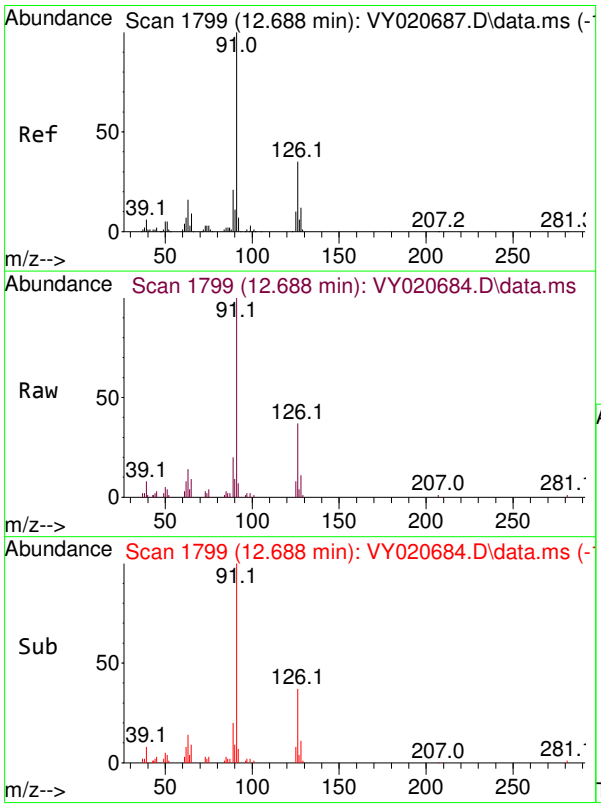


#78
n-propylbenzene
Concen: 4.410 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 21465

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.1	33.1



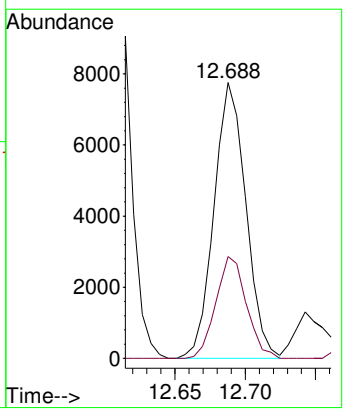


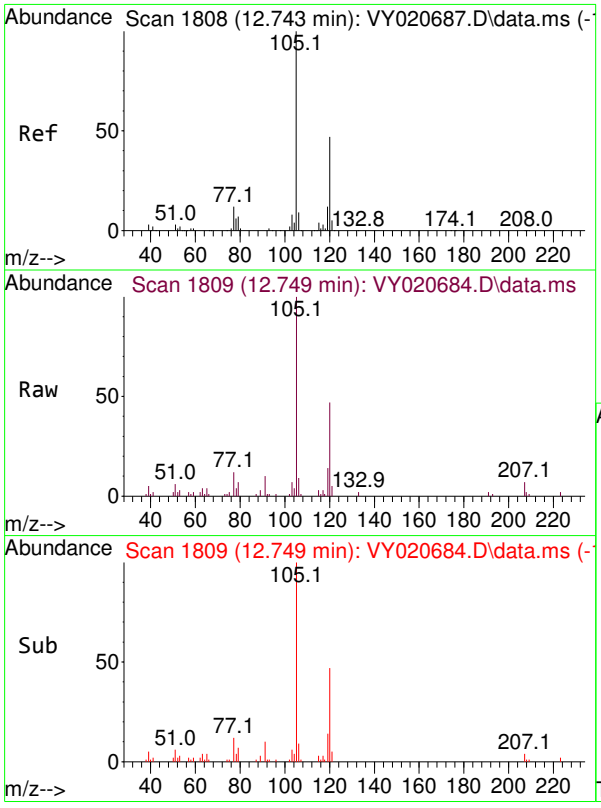
#79
2-Chlorotoluene
Concen: 4.404 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 12202

Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.6	49.7

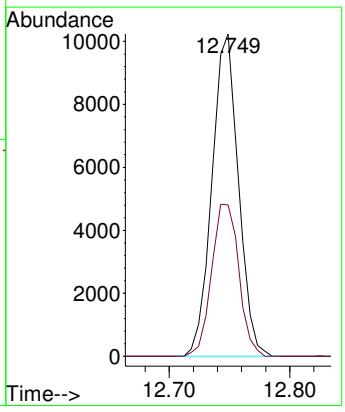


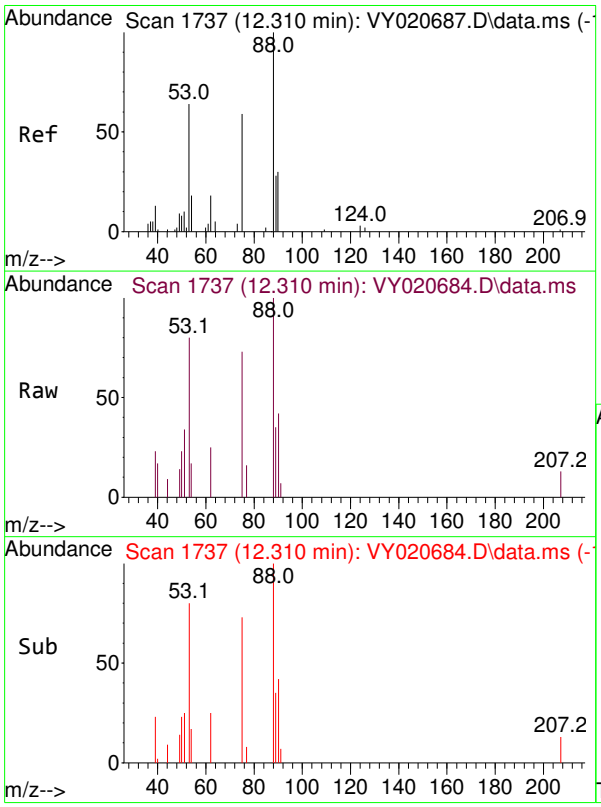


#80
1,3,5-Trimethylbenzene
Concen: 4.356 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 15597

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.9	71.7



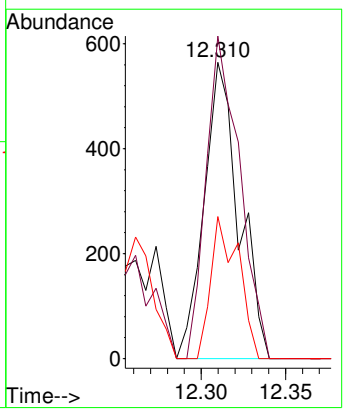


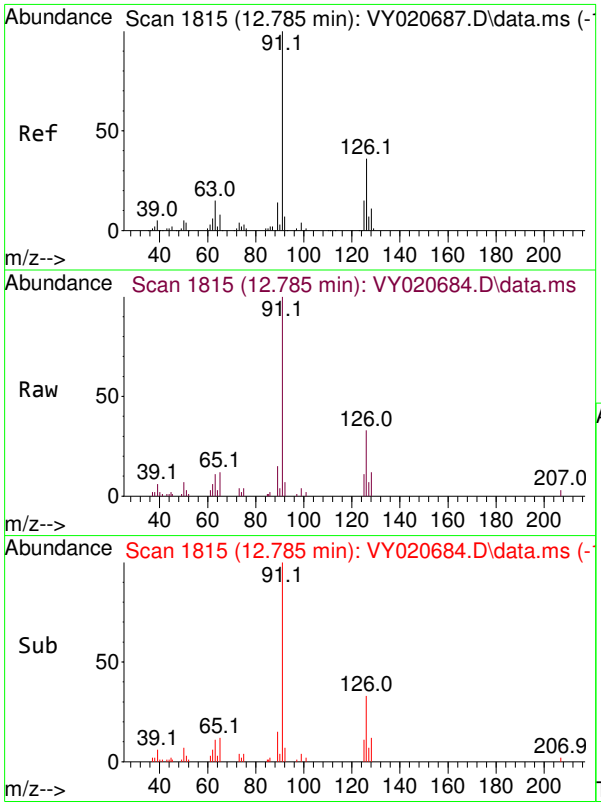
#81
trans-1,4-Dichloro-2-butene
Concen: 4.023 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 810

Ion	Ratio	Lower	Upper
75	100		
53	105.6	75.4	113.2
89	38.3	37.0	55.4

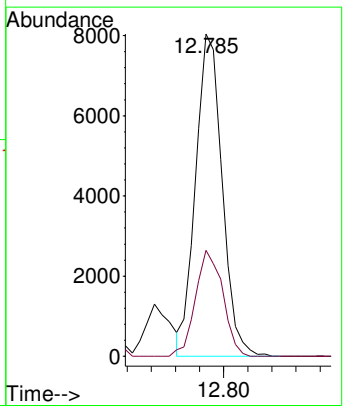


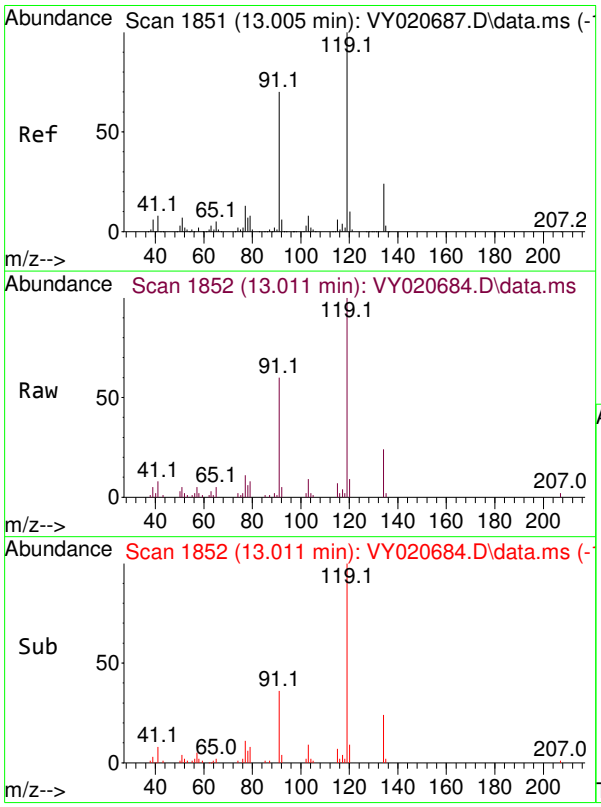


#82
4-Chlorotoluene
Concen: 4.353 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 12300

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.6	49.7



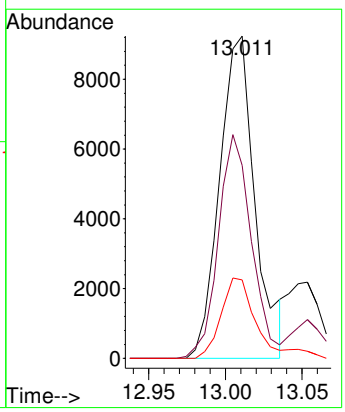


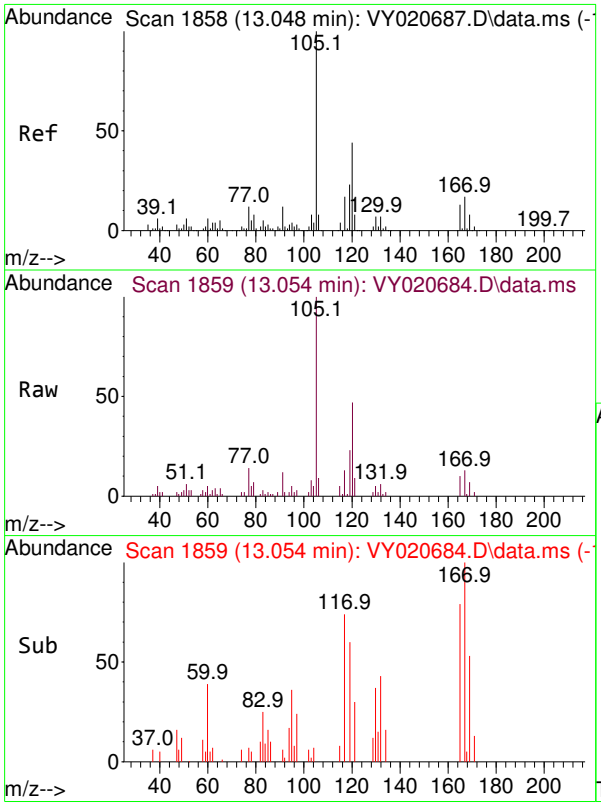
#83
tert-Butylbenzene
Concen: 4.457 ug/l
RT: 13.011 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 14849

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.6
134	25.3	13.1	39.1

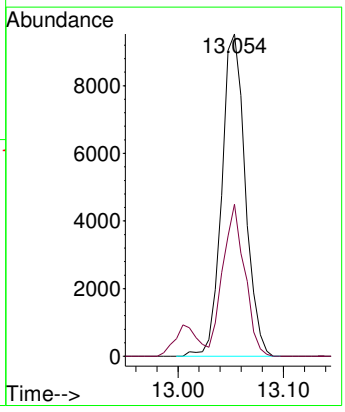


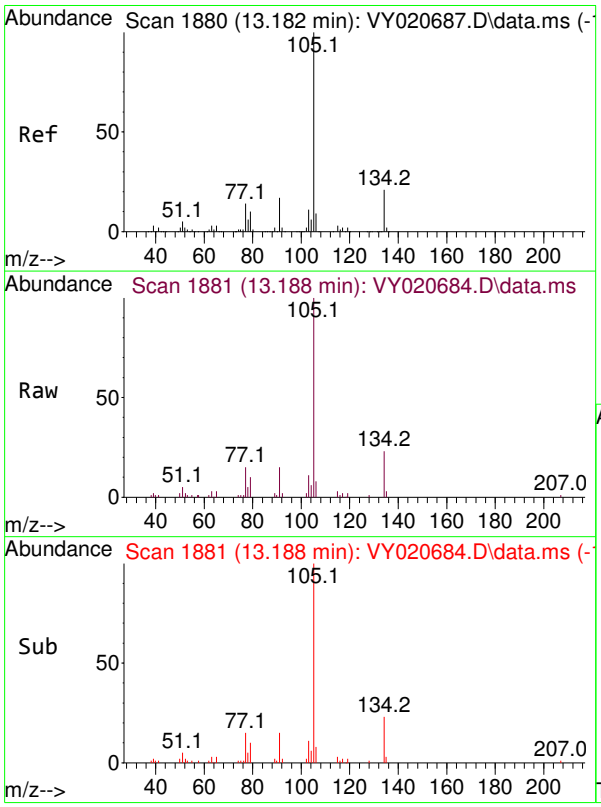


#84
1,2,4-Trimethylbenzene
Concen: 4.228 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:105 Resp: 14790

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4



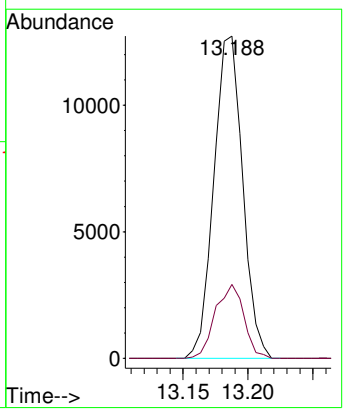


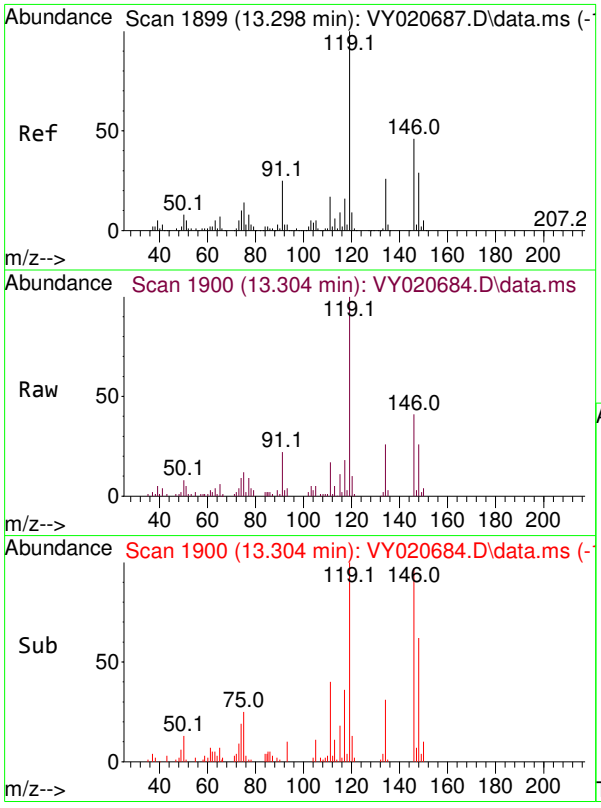
#85
sec-Butylbenzene
Concen: 4.374 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 19621

Ion	Ratio	Lower	Upper
105	100		
134	22.8	10.0	30.0

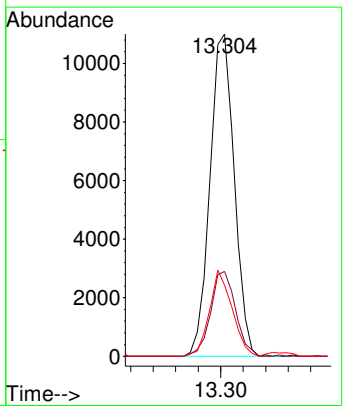


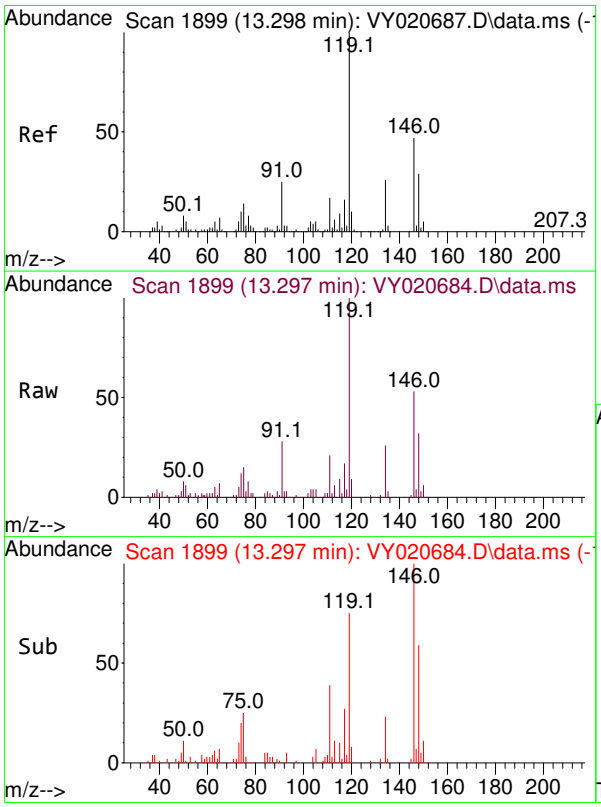


#86
p-Isopropyltoluene
Concen: 4.204 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:119 Resp: 16486

Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.9	38.6
91	24.9	12.1	36.3



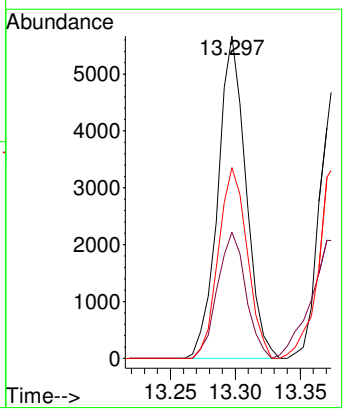


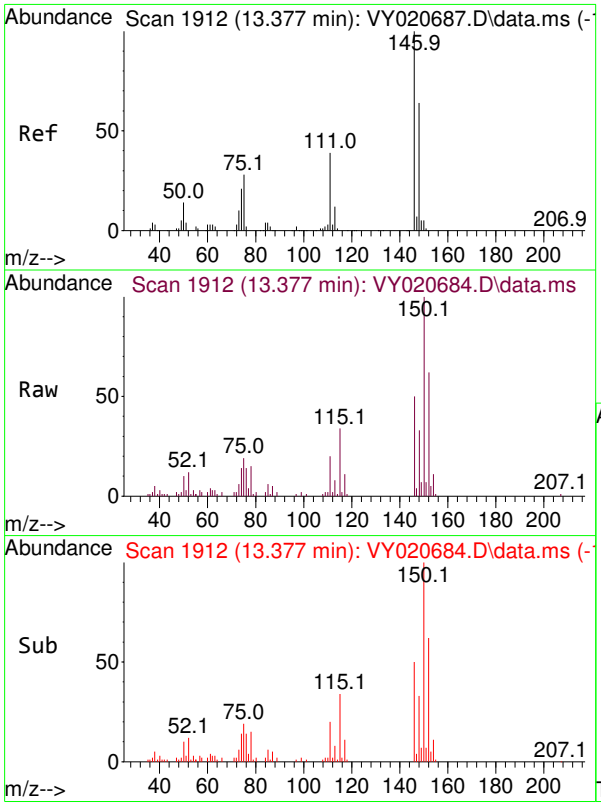
#87
1,3-Dichlorobenzene
Concen: 4.452 ug/l
RT: 13.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 8502

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.8
148	60.8	31.4	94.0

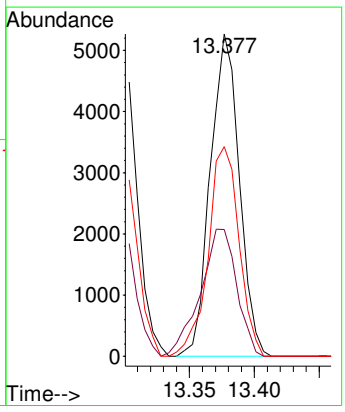


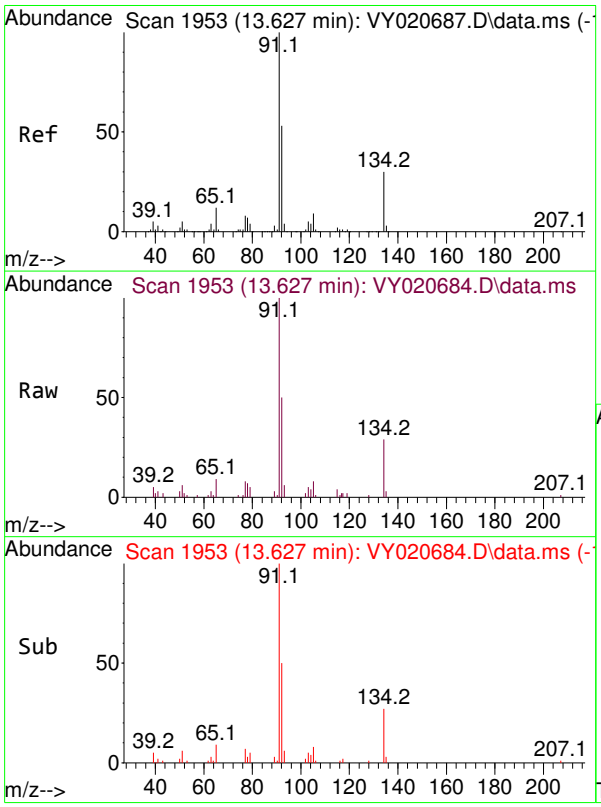


#88
1,4-Dichlorobenzene
Concen: 4.375 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:146 Resp: 8186

Ion	Ratio	Lower	Upper
146	100		
111	49.5	19.6	58.7
148	69.2	31.9	95.5



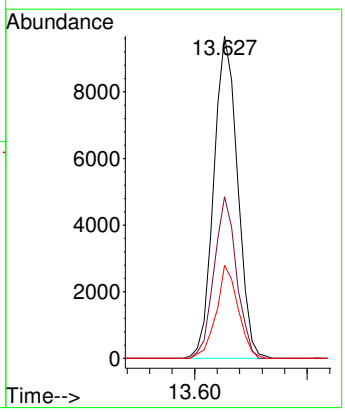


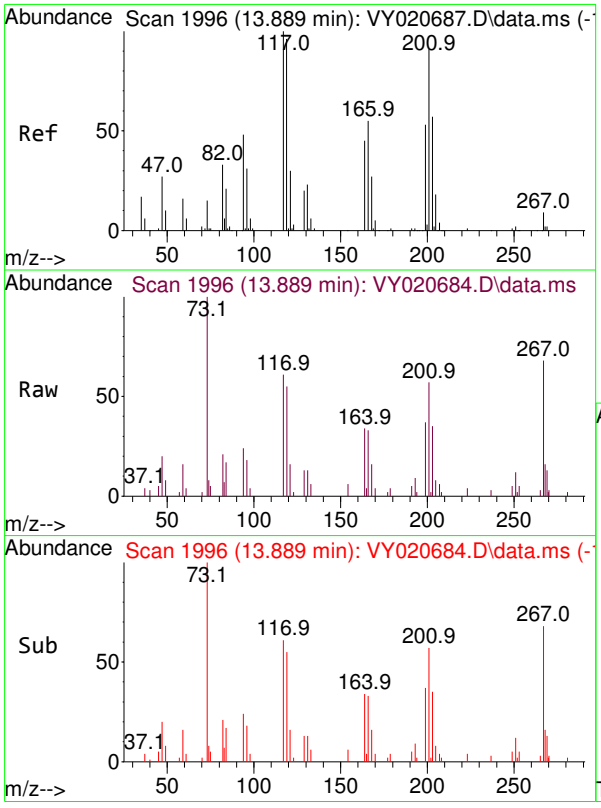
#89
n-Butylbenzene
Concen: 4.288 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 14168

Ion	Ratio	Lower	Upper
91	100		
92	47.3	26.8	80.4
134	26.6	12.5	37.5

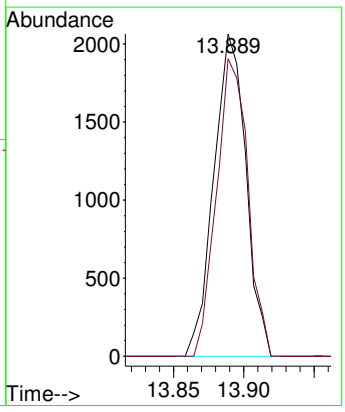


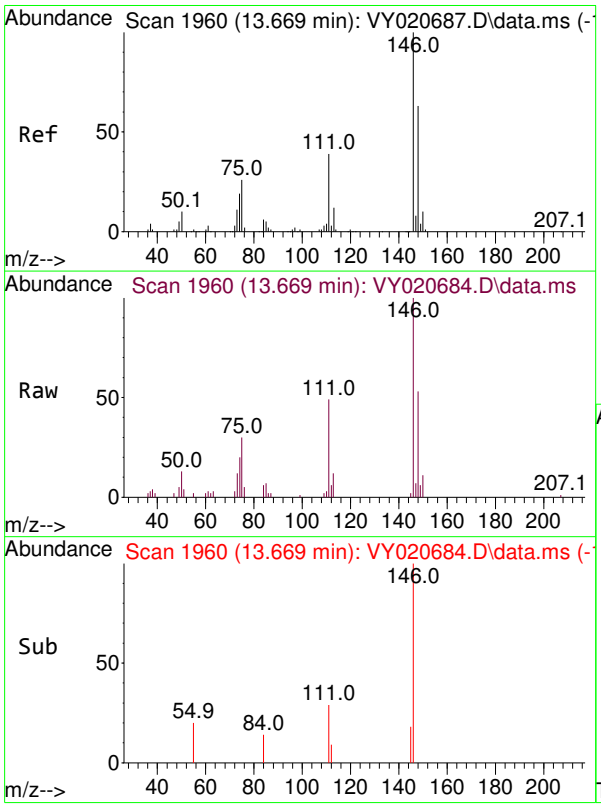


#90
Hexachloroethane
Concen: 4.403 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:117 Resp: 3276

Ion	Ratio	Lower	Upper
117	100		
201	90.0	39.1	117.3



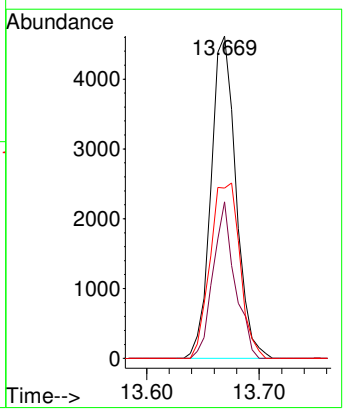


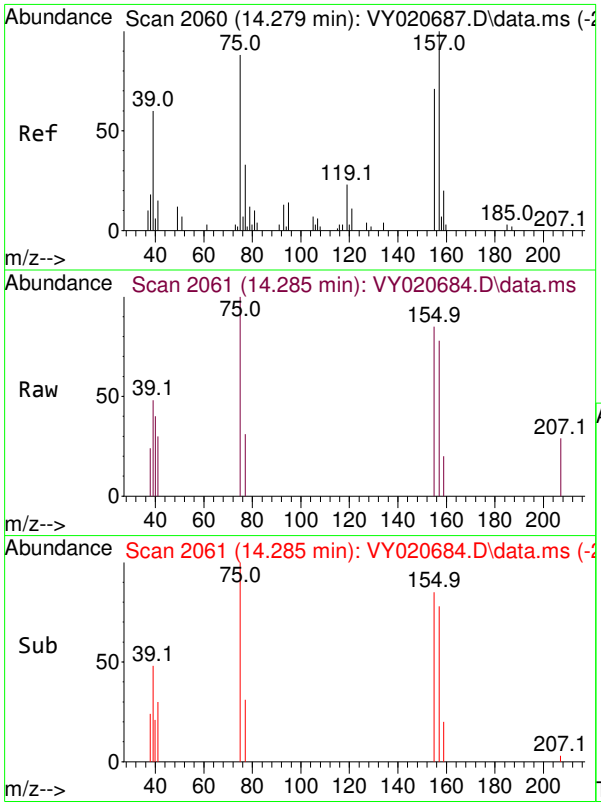
#91
1,2-Dichlorobenzene
Concen: 4.342 ug/l
RT: 13.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 7116

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	64.6	32.0	96.0

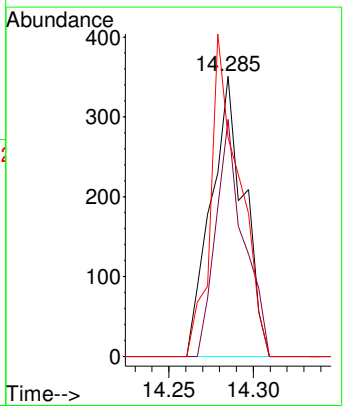


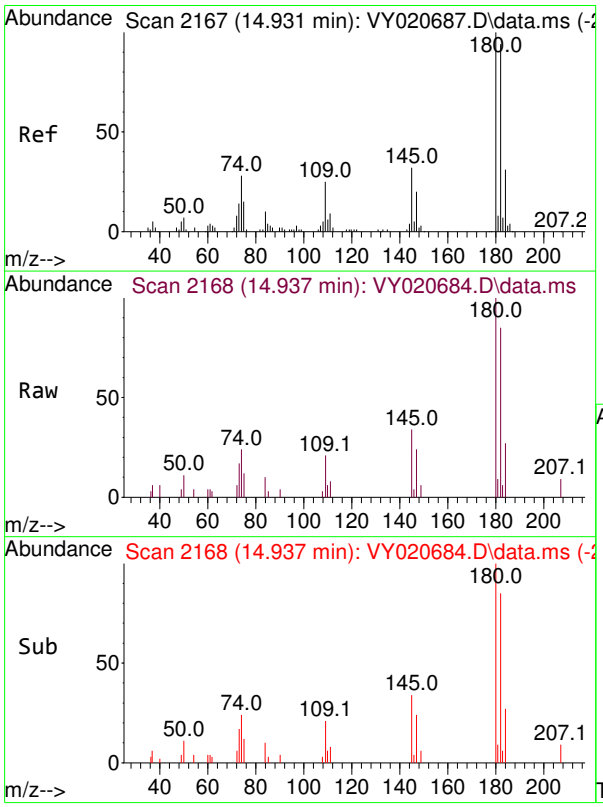


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.516 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 478

Ion	Ratio	Lower	Upper
75	100		
155	71.3	41.1	123.3
157	99.2	52.9	158.8



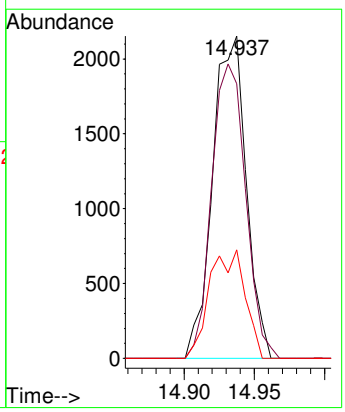


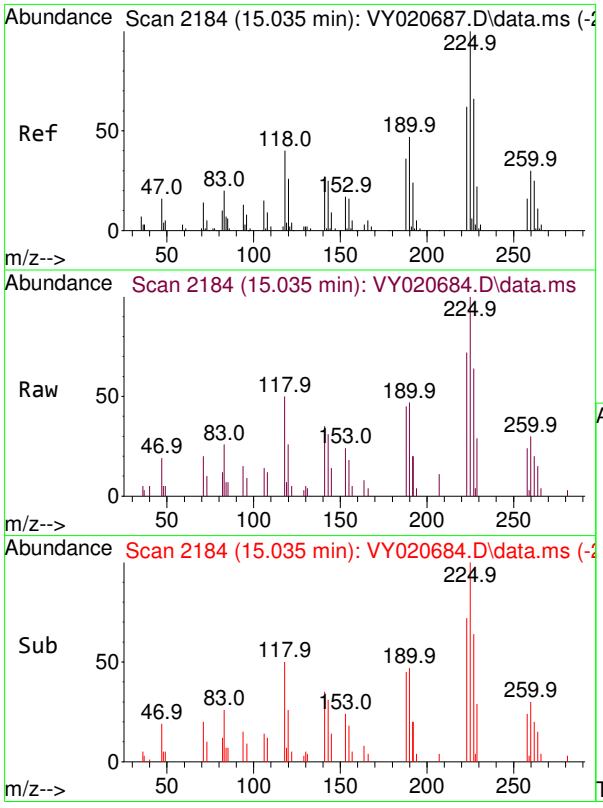
#93
1,2,4-Trichlorobenzene
Concen: 3.671 ug/l
RT: 14.937 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 3572

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.6
145	35.5	15.6	46.7

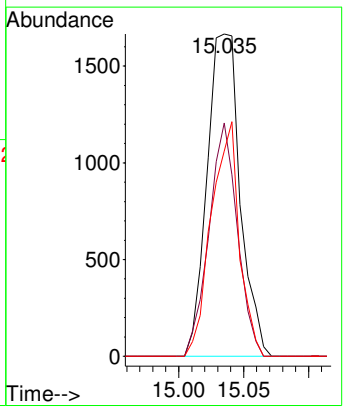


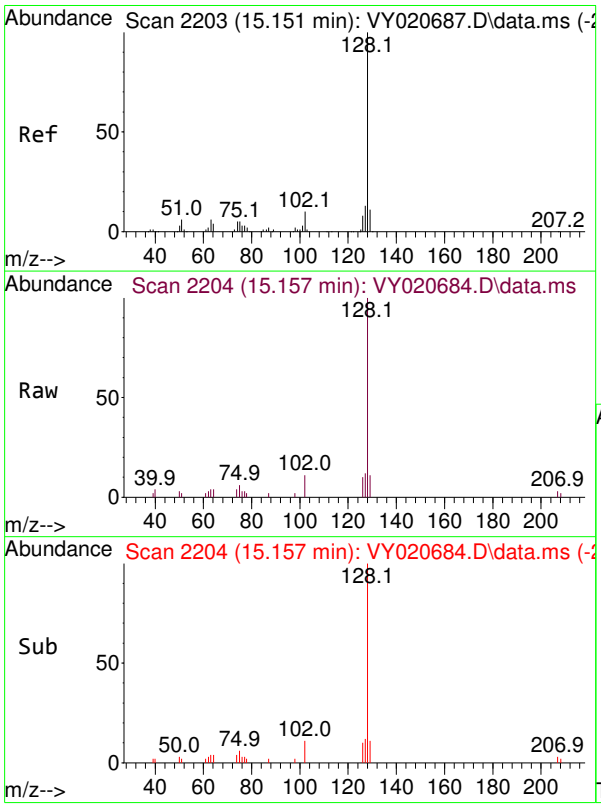


#94
Hexachlorobutadiene
Concen: 4.083 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:225 Resp: 2958

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.3
227	61.3	32.2	96.6



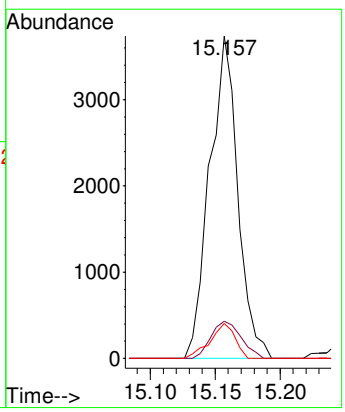


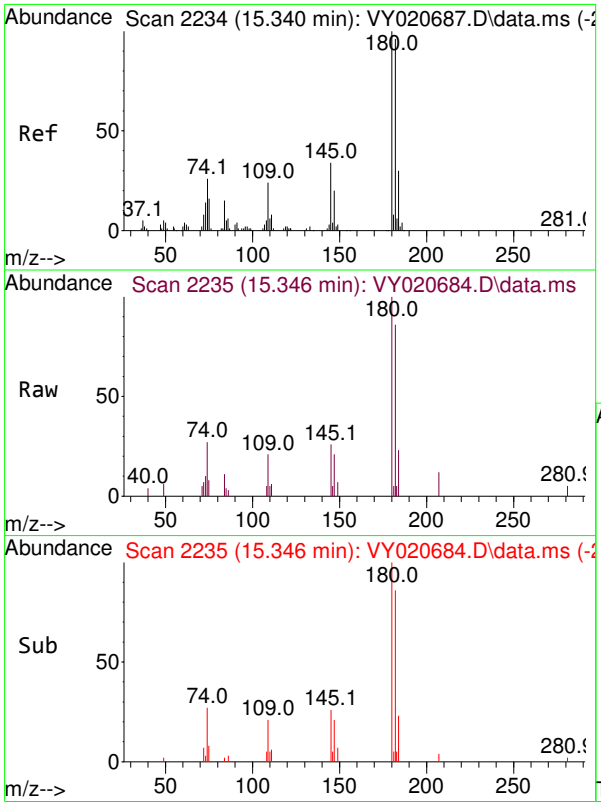
#95
Naphthalene
Concen: 6.410 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 5634

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.7	16.1
129	9.5	8.5	12.7

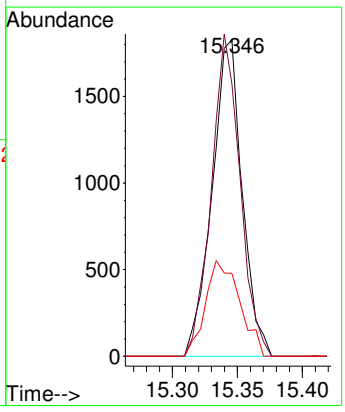




#96
1,2,3-Trichlorobenzene
Concen: 3.629 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.006 min
Lab File: VY020684.D
Acq: 23 Dec 2024 11:30

Tgt Ion:180 Resp: 2952

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	34.2	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	103299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	146320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	121625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	61580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	14842	16.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	32.440%#		
35) Dibromofluoromethane	7.652	113	14605	16.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	34.000%#		
50) Toluene-d8	10.115	98	47674	15.278	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	30.560%#		
62) 4-Bromofluorobenzene	12.414	95	19827	17.457	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	16059	20.179	ug/l	96
3) Chloromethane	2.080	50	6255	19.293	ug/l	99
4) Vinyl Chloride	2.214	62	7606	19.242	ug/l	91
5) Bromomethane	2.605	94	5068	18.157	ug/l	92
6) Chloroethane	2.751	64	4676	19.463	ug/l	96
7) Trichlorofluoromethane	3.074	101	27711	19.494	ug/l	93
8) Diethyl Ether	3.464	74	6435	18.913	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.842	101	15658	20.172	ug/l	95
10) Methyl Iodide	4.025	142	17327	19.377	ug/l	90
11) Tert butyl alcohol	4.872	59	7042	96.153	ug/l #	75
12) 1,1-Dichloroethene	3.812	96	13008	18.882	ug/l	94
13) Acrolein	3.671	56	2407	136.768	ug/l	99
14) Allyl chloride	4.409	41	16079	19.903	ug/l #	77
15) Acrylonitrile	5.074	53	12017	95.818	ug/l	98
16) Acetone	3.891	43	9729	93.103	ug/l	94
17) Carbon Disulfide	4.129	76	31760	18.491	ug/l	100
18) Methyl Acetate	4.403	43	5057	18.705	ug/l #	80
19) Methyl tert-butyl Ether	5.135	73	37356	19.935	ug/l #	88
20) Methylene Chloride	4.641	84	13114	18.833	ug/l	88
21) trans-1,2-Dichloroethene	5.141	96	14461	19.467	ug/l	85
22) Diisopropyl ether	6.037	45	32675	19.784	ug/l #	81
23) Vinyl Acetate	5.976	43	96326	98.495	ug/l #	88
24) 1,1-Dichloroethane	5.939	63	24684	20.049	ug/l	98
25) 2-Butanone	6.921	43	13772	93.819	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	29975	19.460	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	17272	19.522	ug/l	93
28) Bromochloromethane	7.262	49	5831	18.304	ug/l #	60
29) Tetrahydrofuran	7.274	42	8223	95.307	ug/l #	71
30) Chloroform	7.439	83	31119	19.229	ug/l	99
31) Cyclohexane	7.720	56	20675	19.152	ug/l #	75
32) 1,1,1-Trichloroethane	7.634	97	33427	19.771	ug/l	97
36) 1,1-Dichloropropene	7.848	75	20597	19.723	ug/l	96
37) Ethyl Acetate	7.000	43	6954	20.375	ug/l #	95
38) Carbon Tetrachloride	7.829	117	32873	19.452	ug/l	99
39) Methylcyclohexane	9.116	83	25219	18.999	ug/l	92
40) Benzene	8.091	78	59071	19.607	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.274	41	9311	48.203	ug/l	#	31
42) 1,2-Dichloroethane	8.177	62	18941	19.768	ug/l		96
43) Isopropyl Acetate	8.207	43	13839	19.509	ug/l	#	84
44) Trichloroethene	8.878	130	17982	20.111	ug/l		89
45) 1,2-Dichloropropane	9.152	63	12024	20.313	ug/l		100
46) Dibromomethane	9.244	93	8071	19.751	ug/l		93
47) Bromodichloromethane	9.433	83	22921	19.773	ug/l		98
48) Methyl methacrylate	9.231	41	6476	19.258	ug/l	#	81
49) 1,4-Dioxane	9.244	88	1500	357.918	ug/l		91
51) 4-Methyl-2-Pentanone	10.006	43	33865	95.570	ug/l		93
52) Toluene	10.176	92	40575	19.777	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	20438	19.925	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	22589	19.986	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	10314	19.493	ug/l		93
56) Ethyl methacrylate	10.445	69	12869	19.067	ug/l		90
57) 1,3-Dichloropropane	10.725	76	17032	19.692	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	23853	94.571	ug/l	#	80
59) 2-Hexanone	10.768	43	21478	95.158	ug/l		94
60) Dibromochloromethane	10.920	129	16794	19.880	ug/l		100
61) 1,2-Dibromoethane	11.024	107	9810	19.777	ug/l		98
64) Tetrachloroethene	10.652	164	16119	19.955	ug/l		96
65) Chlorobenzene	11.451	112	44944	19.775	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	17535	19.757	ug/l		95
67) Ethyl Benzene	11.524	91	81152	19.902	ug/l		100
68) m/p-Xylenes	11.640	106	62622	40.273	ug/l		100
69) o-Xylene	11.963	106	29146	19.954	ug/l		99
70) Styrene	11.975	104	49613	20.194	ug/l		99
71) Bromoform	12.139	173	10096	19.860	ug/l	#	97
73) Isopropylbenzene	12.261	105	83068	19.832	ug/l		98
74) N-amyl acetate	12.078	43	11066	18.802	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	10583	19.634	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	15421	38.207	ug/l	#	100
77) Bromobenzene	12.536	156	18528	19.425	ug/l		84
78) n-propylbenzene	12.603	91	93262	19.749	ug/l		95
79) 2-Chlorotoluene	12.688	91	53431	19.875	ug/l		97
80) 1,3,5-Trimethylbenzene	12.743	105	69321	19.953	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	3826	19.584	ug/l		95
82) 4-Chlorotoluene	12.786	91	54974	20.050	ug/l		96
83) tert-Butylbenzene	13.005	119	64233	19.870	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	68281	20.119	ug/l		100
85) sec-Butylbenzene	13.182	105	87518	20.107	ug/l		95
86) p-Isopropyltoluene	13.298	119	76618	20.134	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	36344	19.614	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	36284	19.987	ug/l		98
89) n-Butylbenzene	13.627	91	64084	19.990	ug/l		96
90) Hexachloroethane	13.889	117	13822	19.146	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	31668	19.915	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1946	18.947	ug/l		96
93) 1,2,4-Trichlorobenzene	14.932	180	17553	18.593	ug/l		99
94) Hexachlorobutadiene	15.035	225	13808	19.644	ug/l		99
95) Naphthalene	15.151	128	27861	18.322	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	14958	18.952	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

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

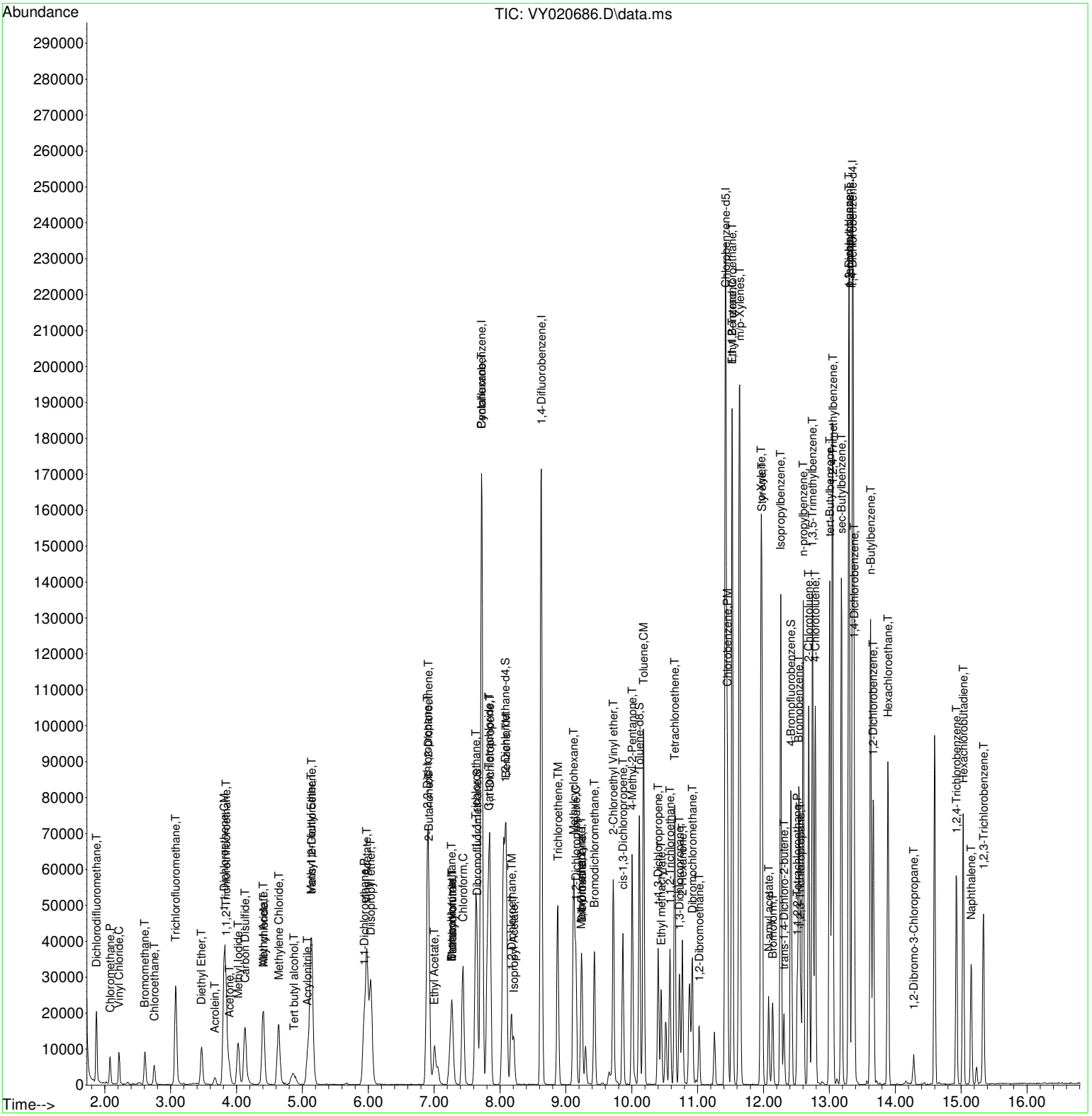
(#) = qualifier out of range (m) = manual integration (+) = signals summed

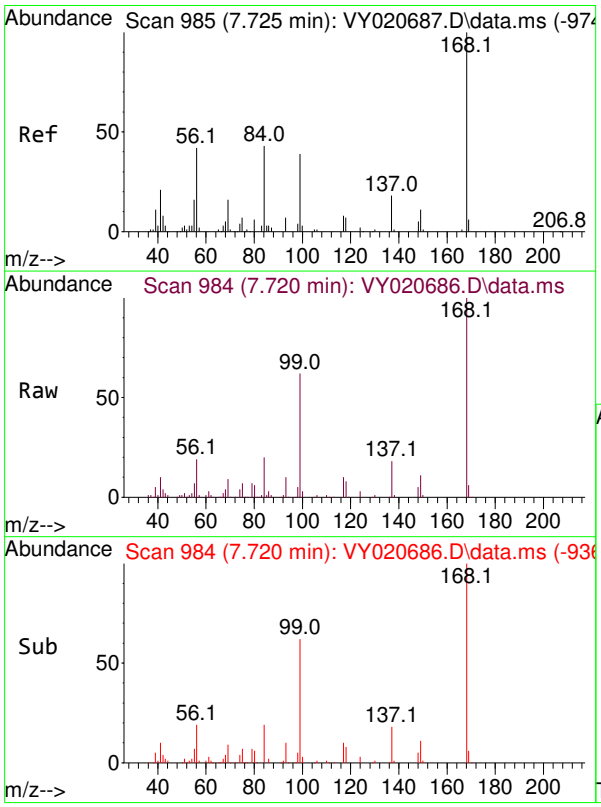
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration



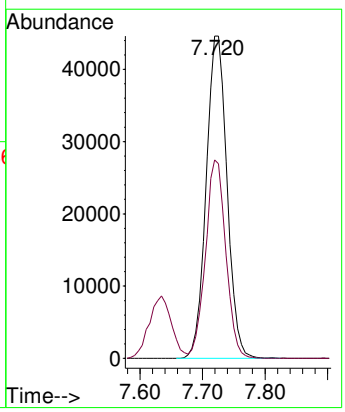


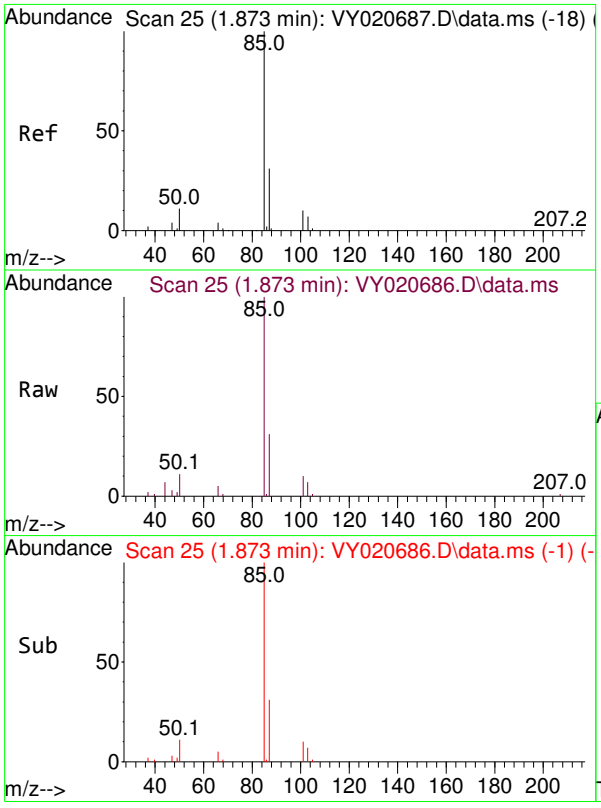
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 103299

Ion	Ratio	Lower	Upper
168	100		
99	61.6	47.0	70.6

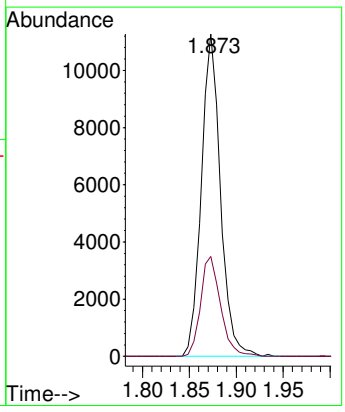


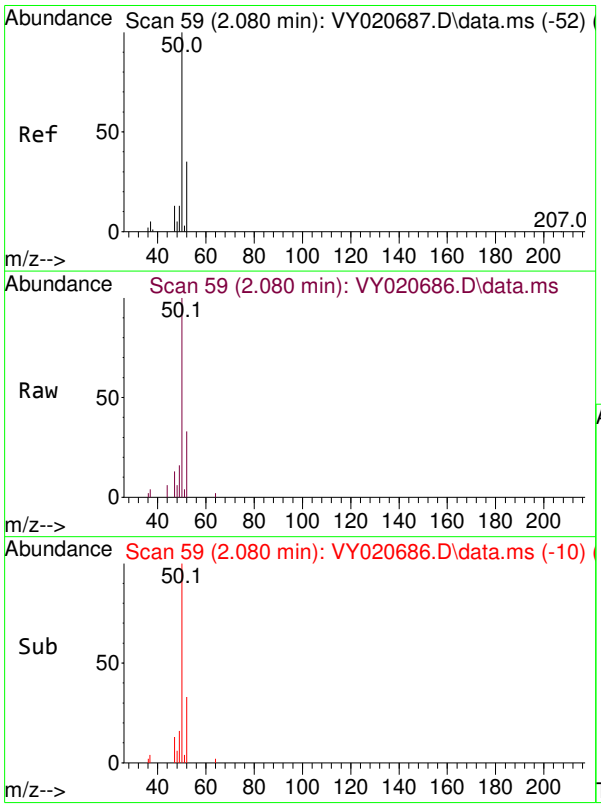


#2
Dichlorodifluoromethane
Concen: 20.179 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 85 Resp: 16059

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.8	50.3



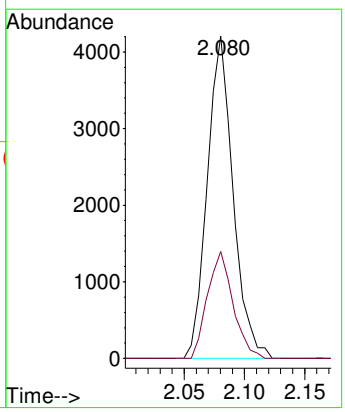


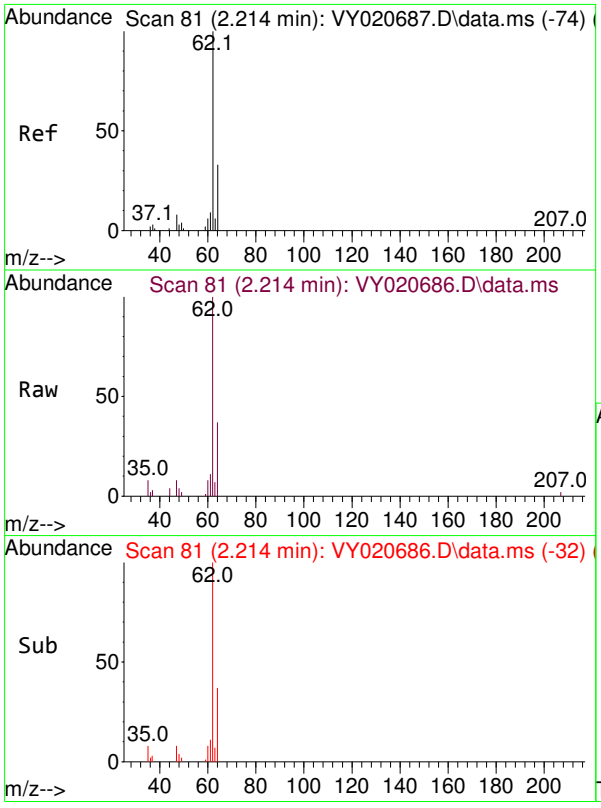
#3
Chloromethane
Concen: 19.293 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 6255

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2

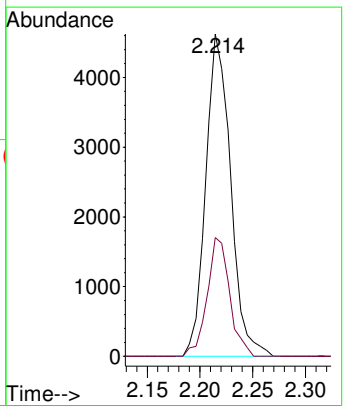


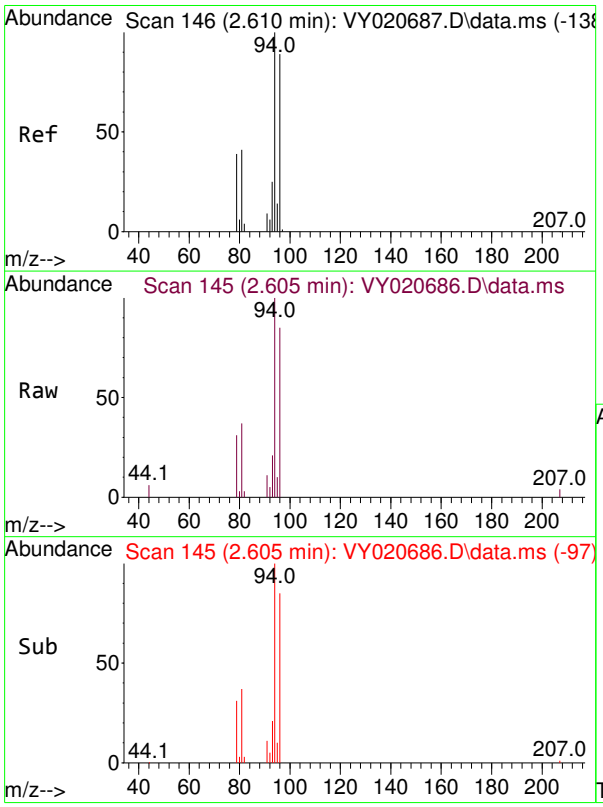


#4
Vinyl Chloride
Concen: 19.242 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 7606

Ion	Ratio	Lower	Upper
62	100		
64	36.8	25.3	37.9



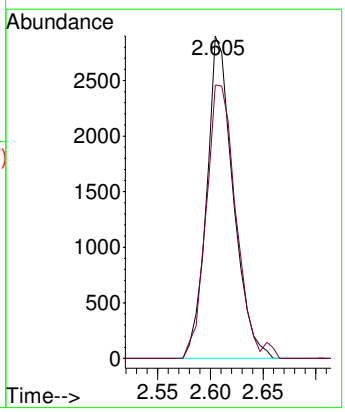


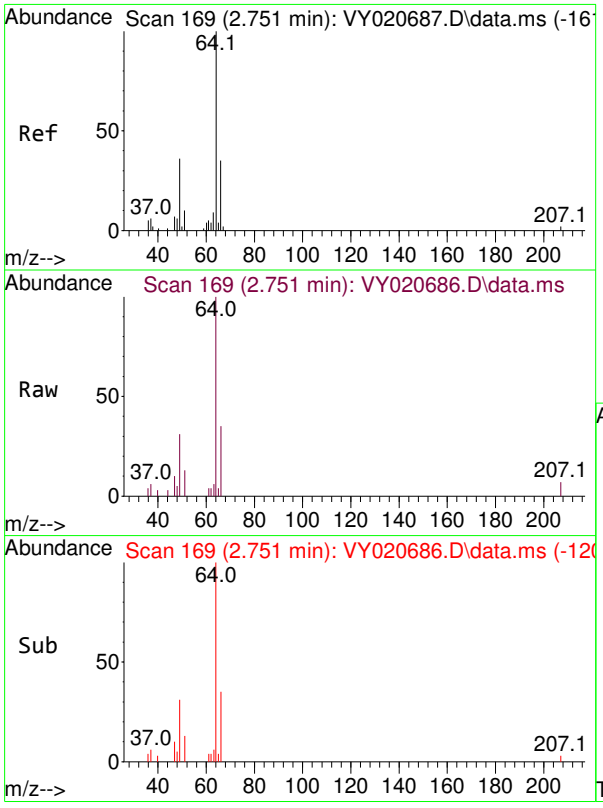
#5
Bromomethane
Concen: 18.157 ug/l
RT: 2.605 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 5068

Ion	Ratio	Lower	Upper
94	100		
96	84.8	73.8	110.6

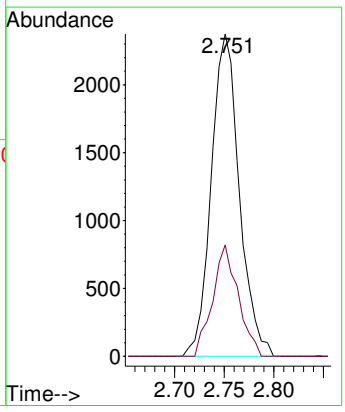


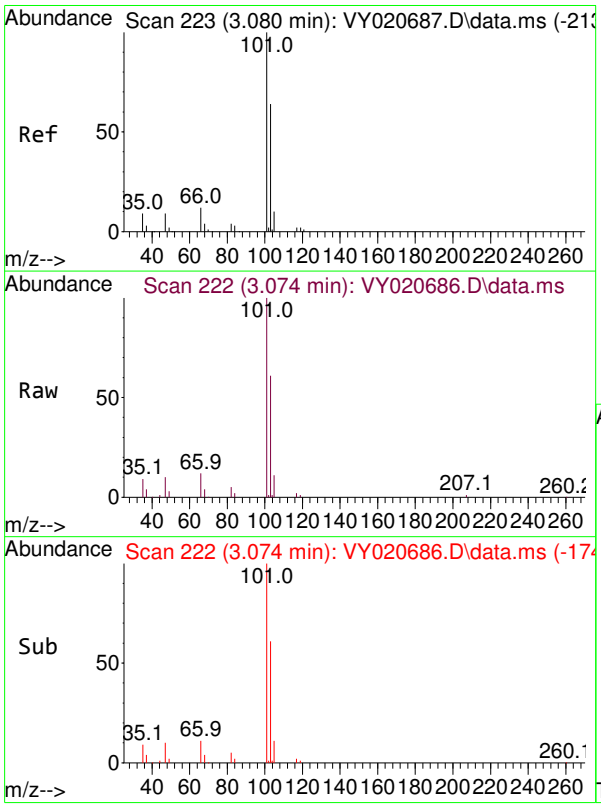


#6
Chloroethane
Concen: 19.463 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 64 Resp: 4676

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.8	38.6



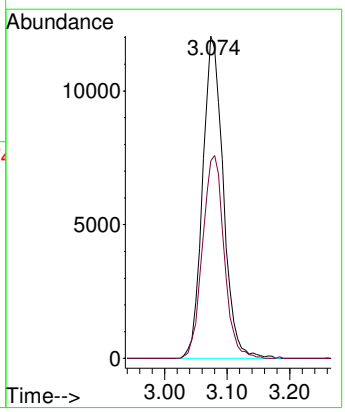


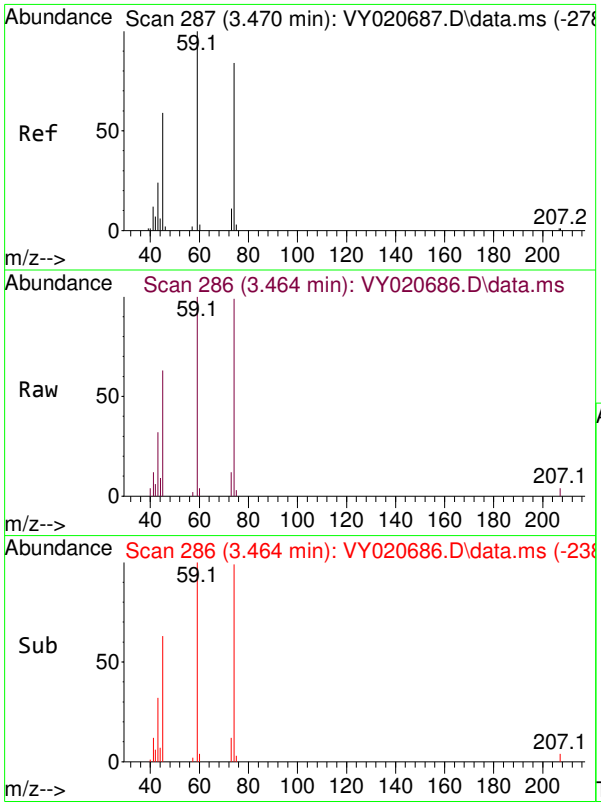
#7
Trichlorofluoromethane
Concen: 19.494 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 27711

Ion	Ratio	Lower	Upper
101	100		
103	61.3	53.4	80.0

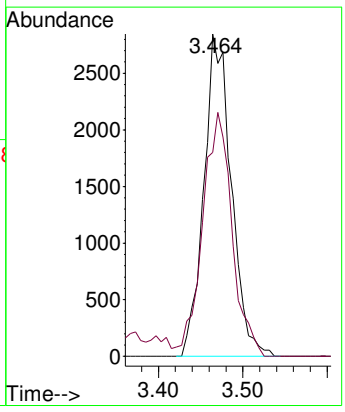


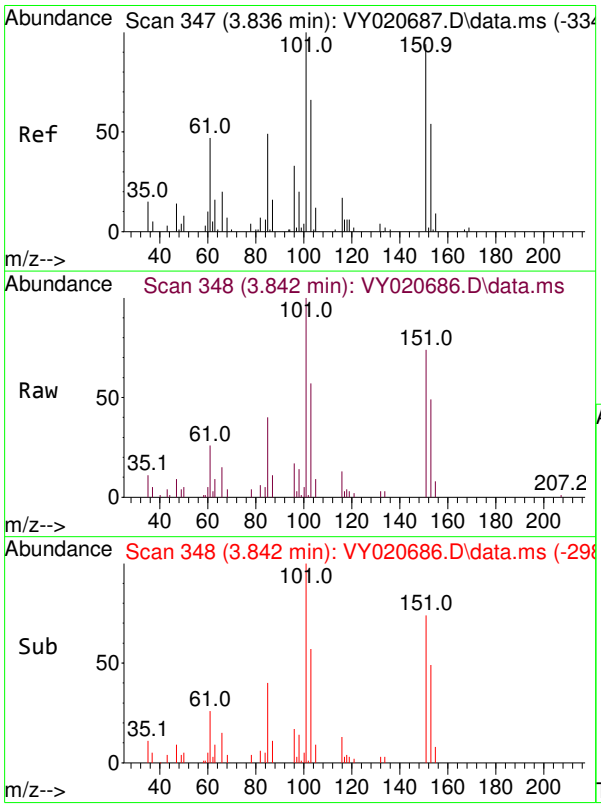


#8
Diethyl Ether
Concen: 18.913 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 74 Resp: 6435

Ion	Ratio	Lower	Upper
74	100		
45	81.5	49.0	147.2



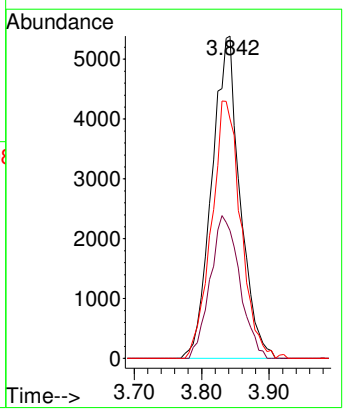


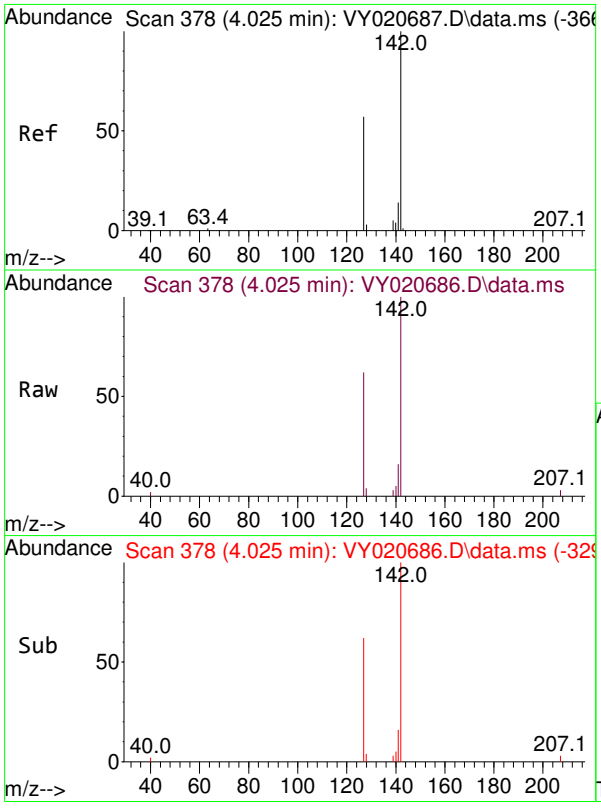
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.172 ug/l
RT: 3.842 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 15658

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.6	54.8
151	82.8	61.5	92.3

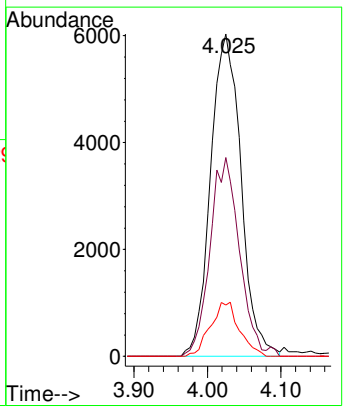


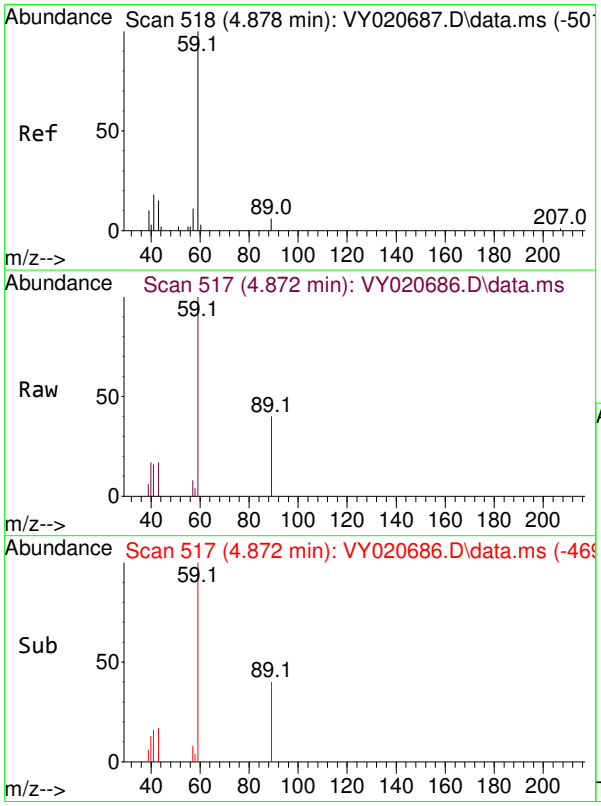


#10
Methyl Iodide
Concen: 19.377 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:142 Resp: 17327

Ion	Ratio	Lower	Upper
142	100		
127	59.2	40.6	61.0
141	16.0	11.7	17.5



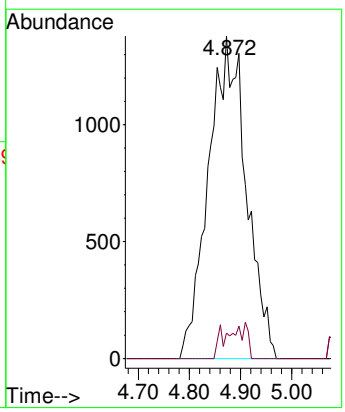


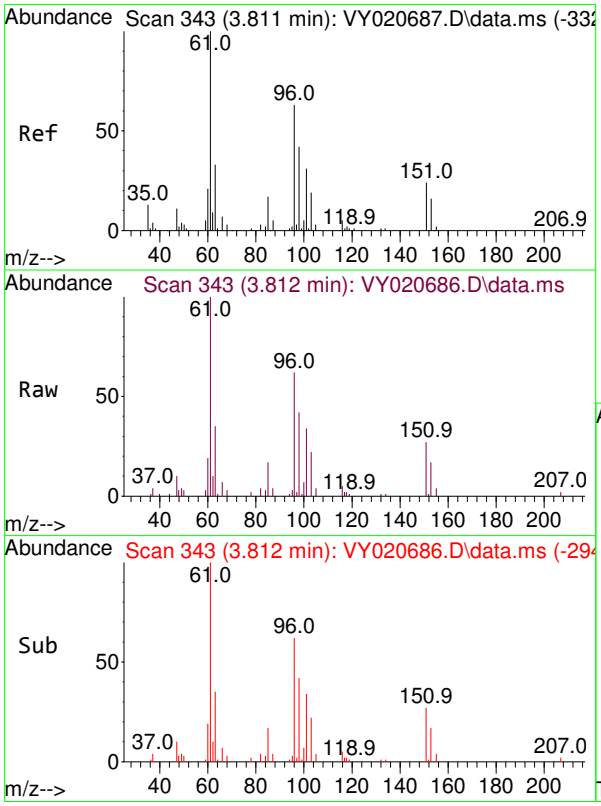
#11
Tert butyl alcohol
Concen: 96.153 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 7042

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

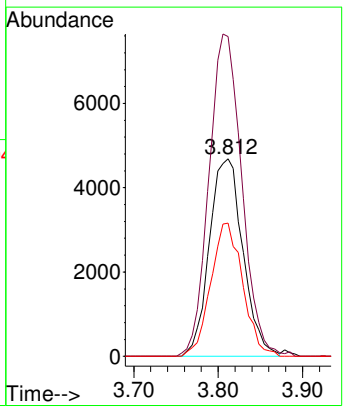


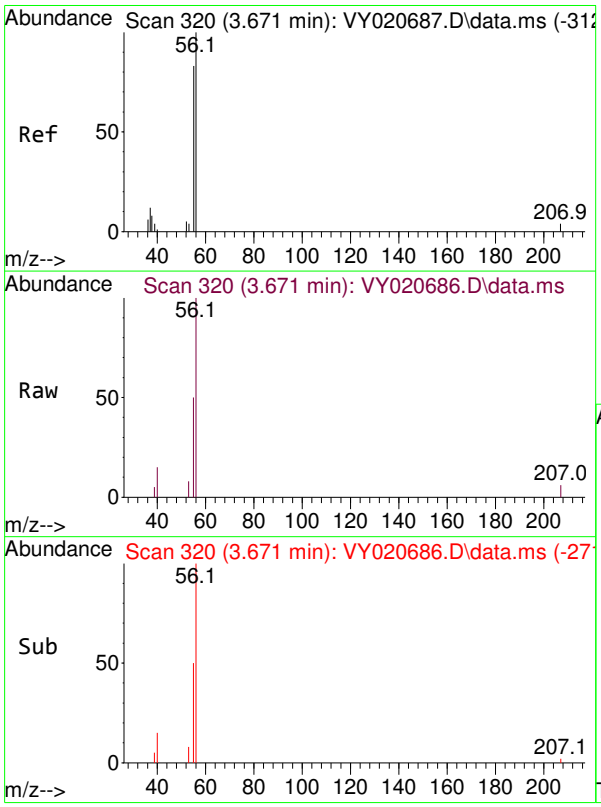


#12
1,1-Dichloroethene
Concen: 18.882 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 96 Resp: 13008

Ion	Ratio	Lower	Upper
96	100		
61	162.1	136.9	205.3
98	67.5	50.2	75.4



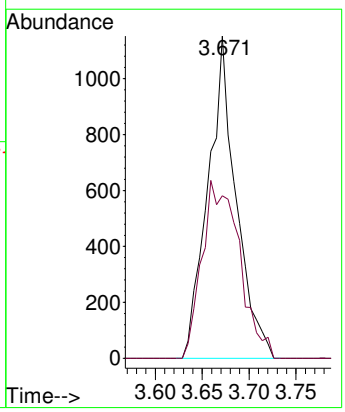


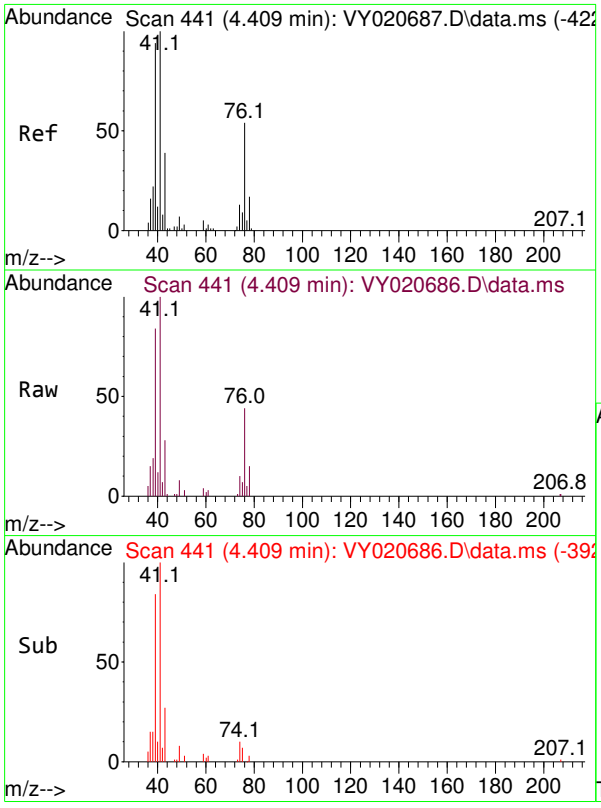
#13
Acrolein
Concen: 136.768 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 2407

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.5	86.3

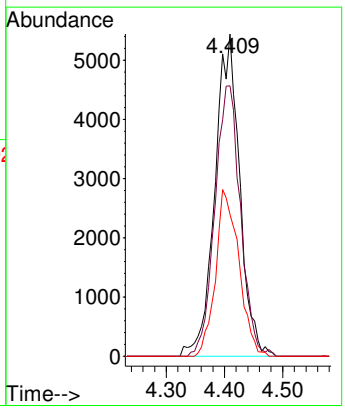


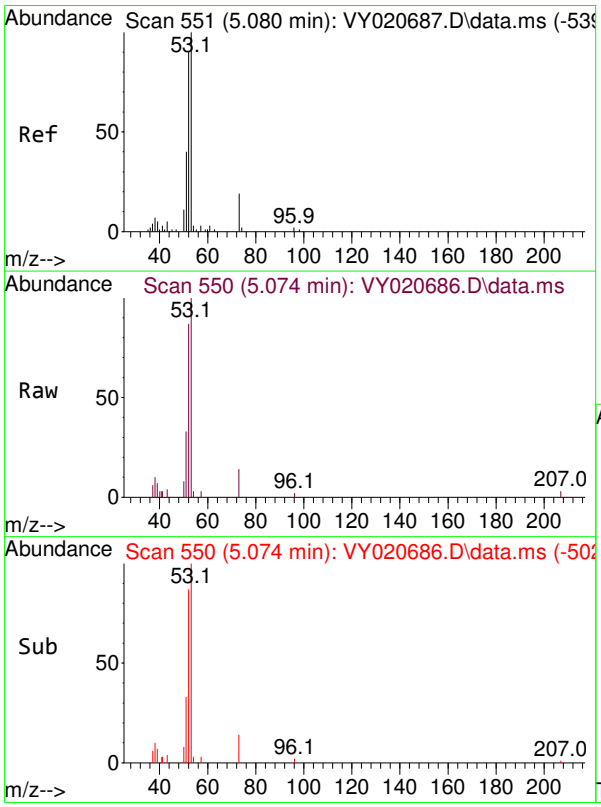


#14
Allyl chloride
Concen: 19.903 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 16079

Ion	Ratio	Lower	Upper
41	100		
39	86.5	53.0	79.4#
76	48.6	29.5	44.3#



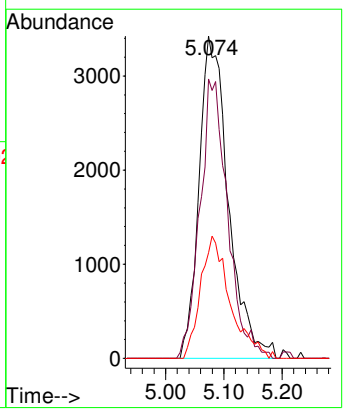


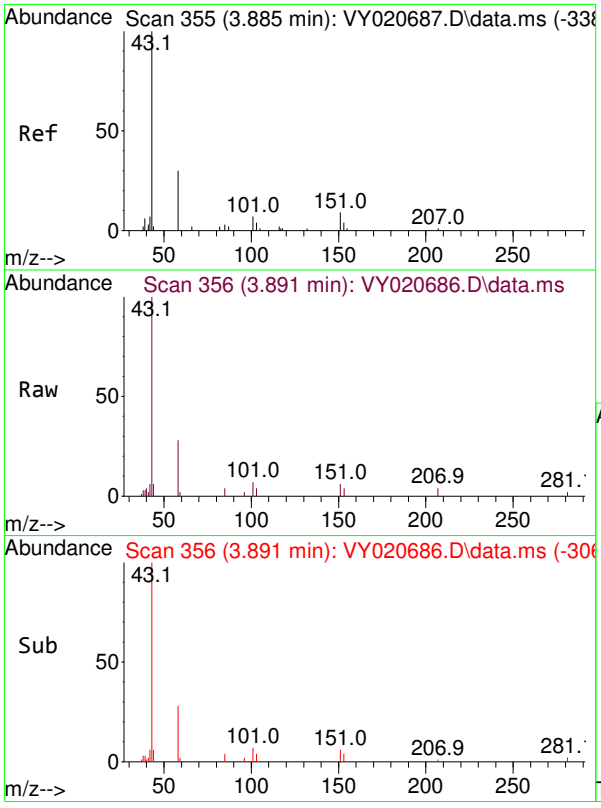
#15
Acrylonitrile
Concen: 95.818 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 12017

Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.5	96.7
51	38.4	29.4	44.0

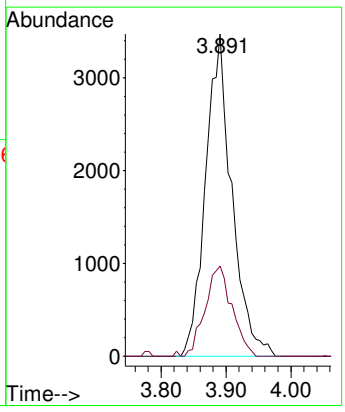


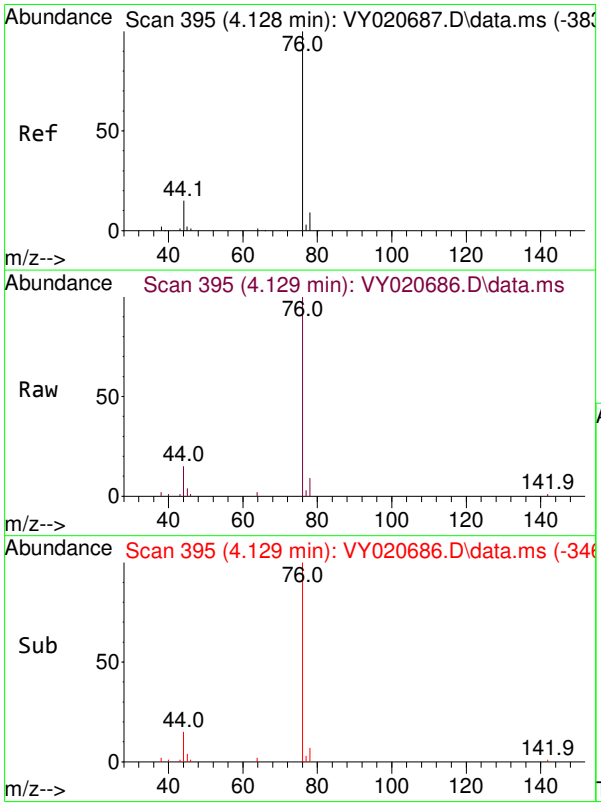


#16
Acetone
Concen: 93.103 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 9729

Ion	Ratio	Lower	Upper
43	100		
58	28.0	25.0	37.6



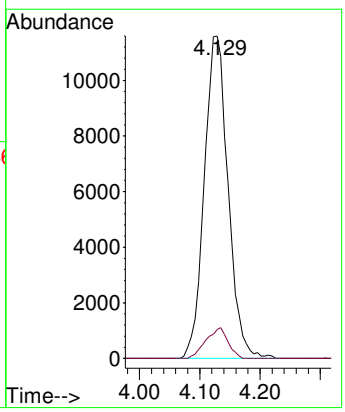


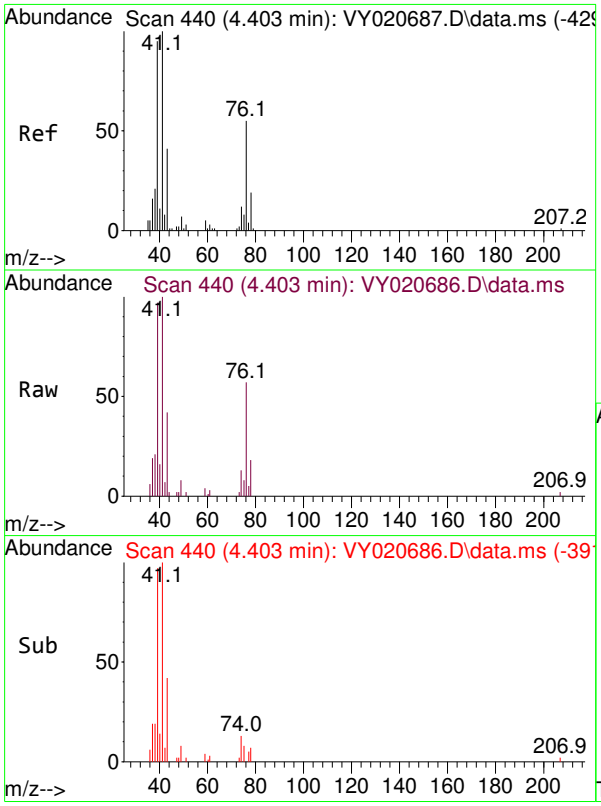
#17
Carbon Disulfide
Concen: 18.491 ug/l
RT: 4.129 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 31760

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

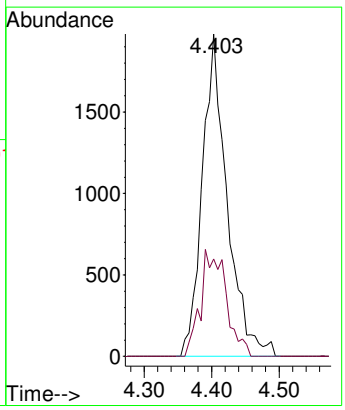


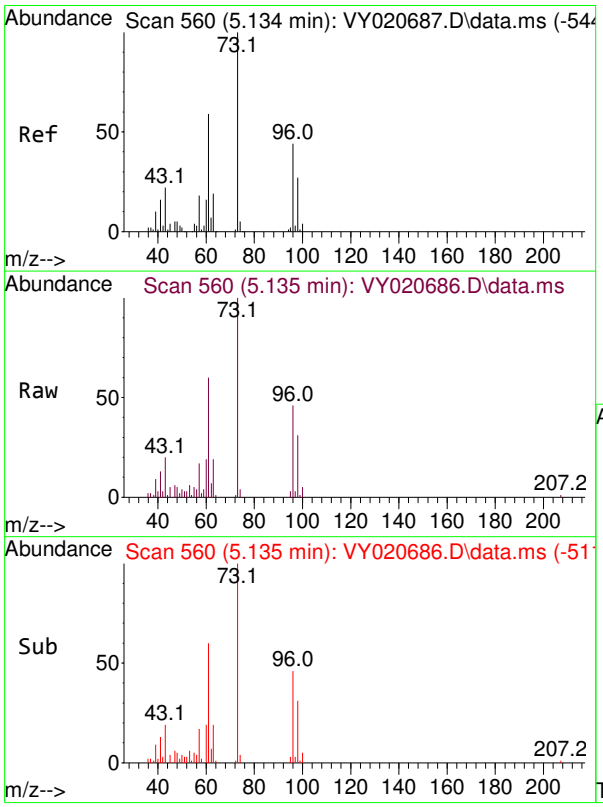


#18
Methyl Acetate
Concen: 18.705 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 5057

Ion	Ratio	Lower	Upper
43	100		
74	34.0	19.2	28.8#



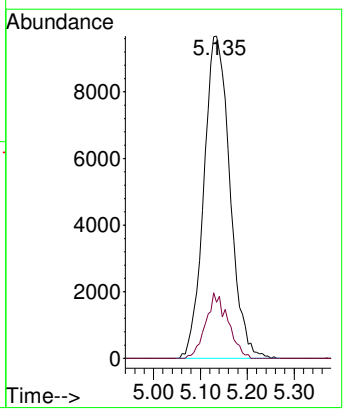


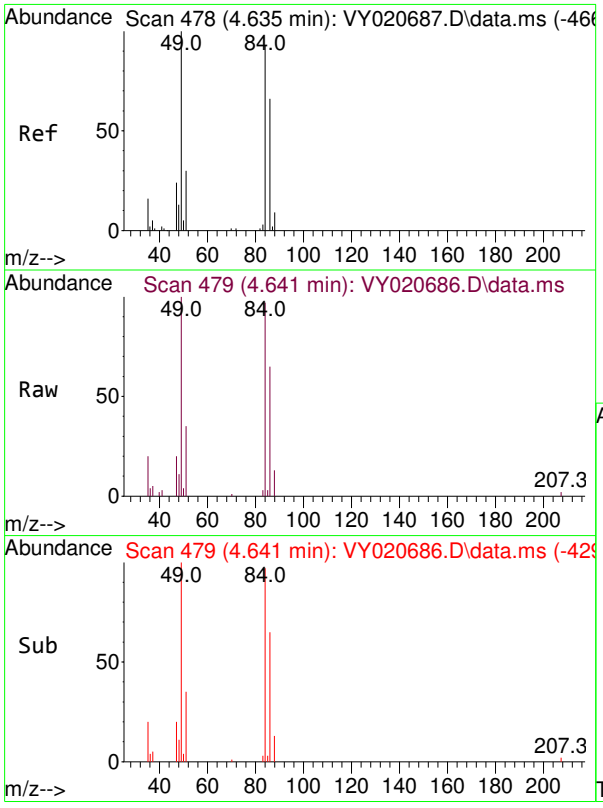
#19
Methyl tert-butyl Ether
Concen: 19.935 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 37356

Ion	Ratio	Lower	Upper
73	100		
57	17.4	18.5	27.7#

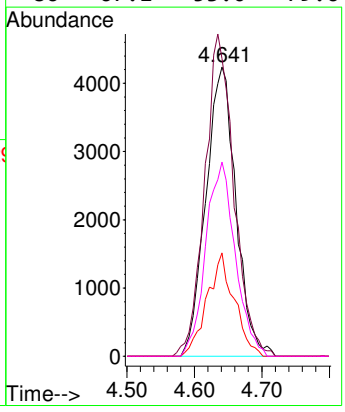


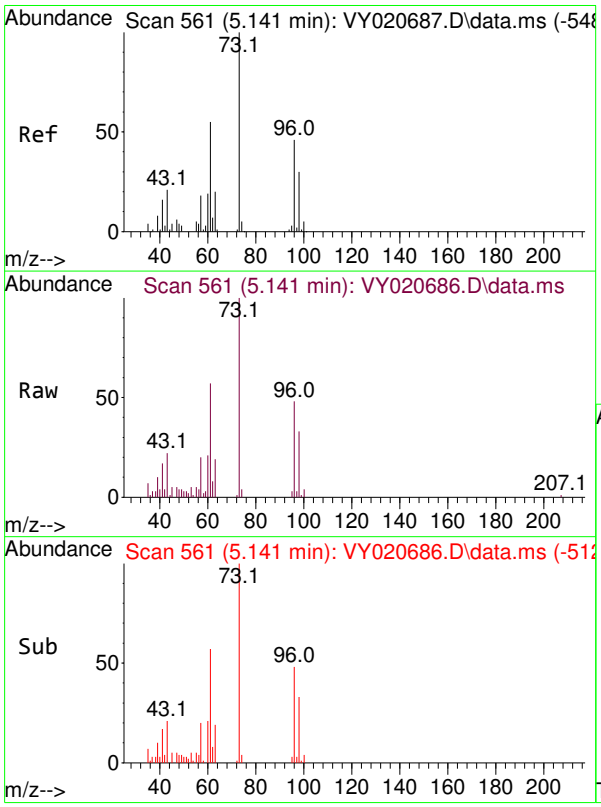


#20
Methylene Chloride
Concen: 18.833 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 84 Resp: 13114

Ion	Ratio	Lower	Upper
84	100		
49	102.9	100.7	151.1
51	35.7	32.2	48.2
86	67.1	53.0	79.6



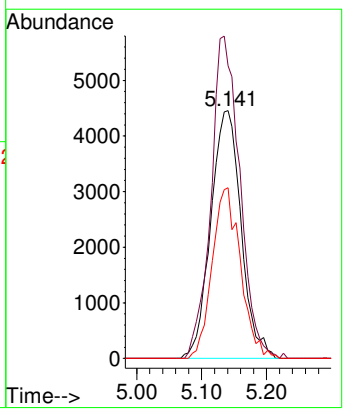


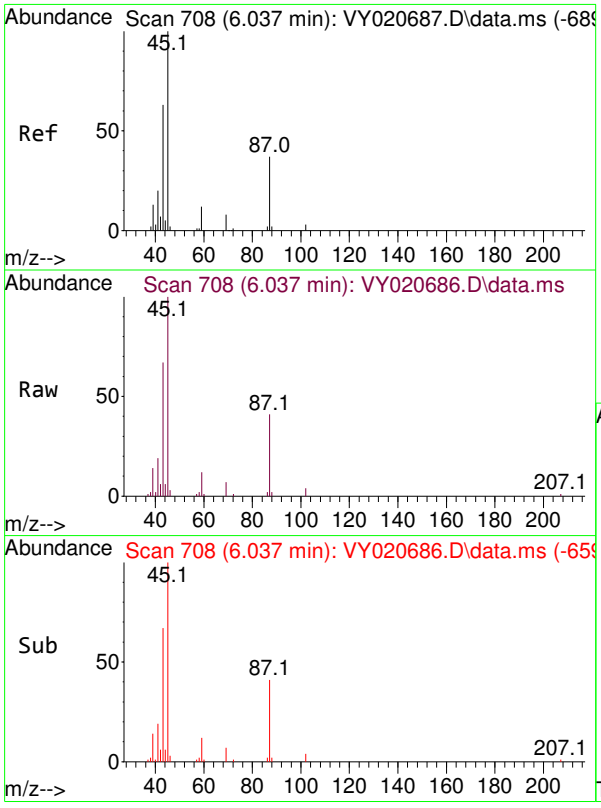
#21
trans-1,2-Dichloroethene
Concen: 19.467 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 14461

Ion	Ratio	Lower	Upper
96	100		
61	118.2	113.7	170.5
98	68.9	51.7	77.5

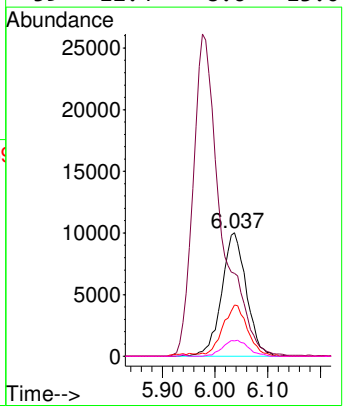


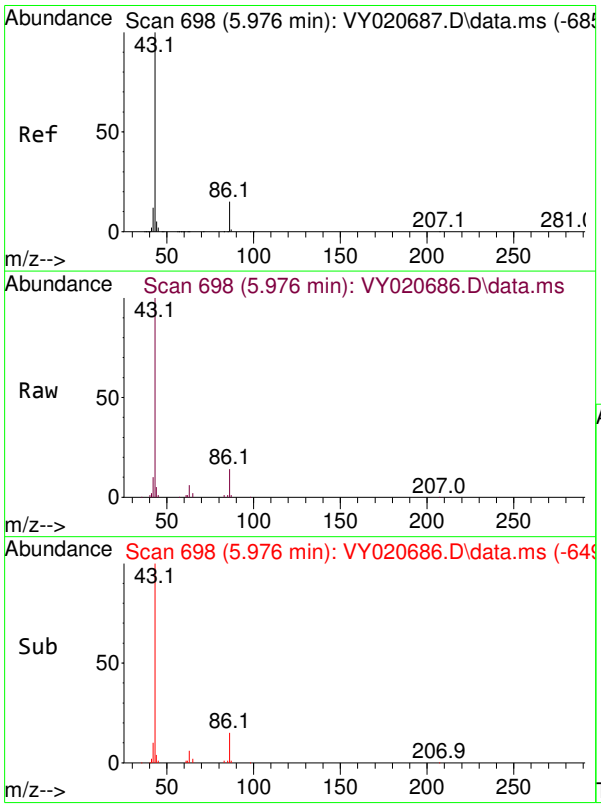


#22
Diisopropyl ether
Concen: 19.784 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 45 Resp: 32675

Ion	Ratio	Lower	Upper
45	100		
43	65.3	42.6	64.0#
87	41.4	20.6	31.0#
59	12.4	8.6	13.0



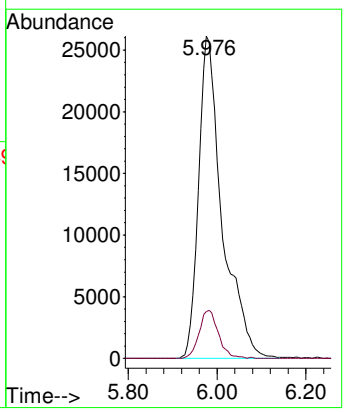


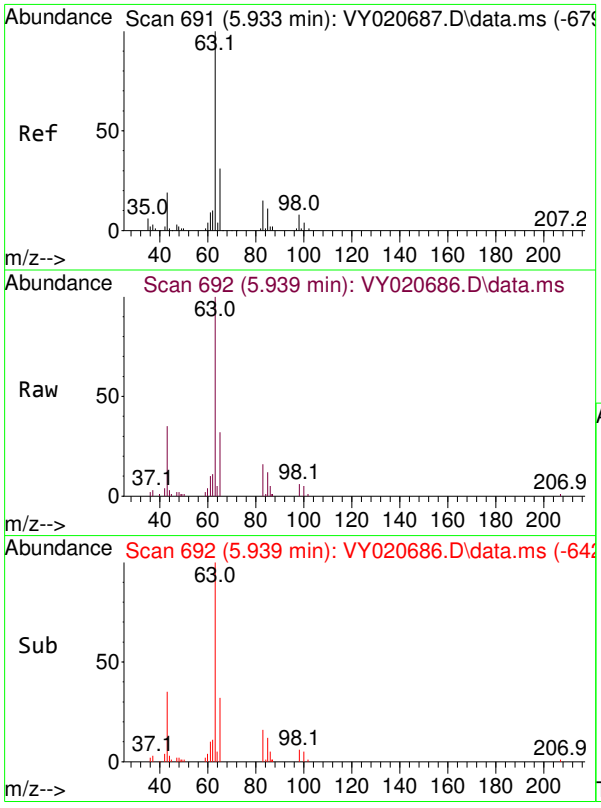
#23
Vinyl Acetate
Concen: 98.495 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 96326

Ion	Ratio	Lower	Upper
43	100		
86	14.5	8.1	12.1#

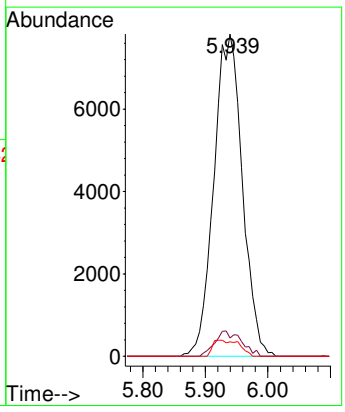


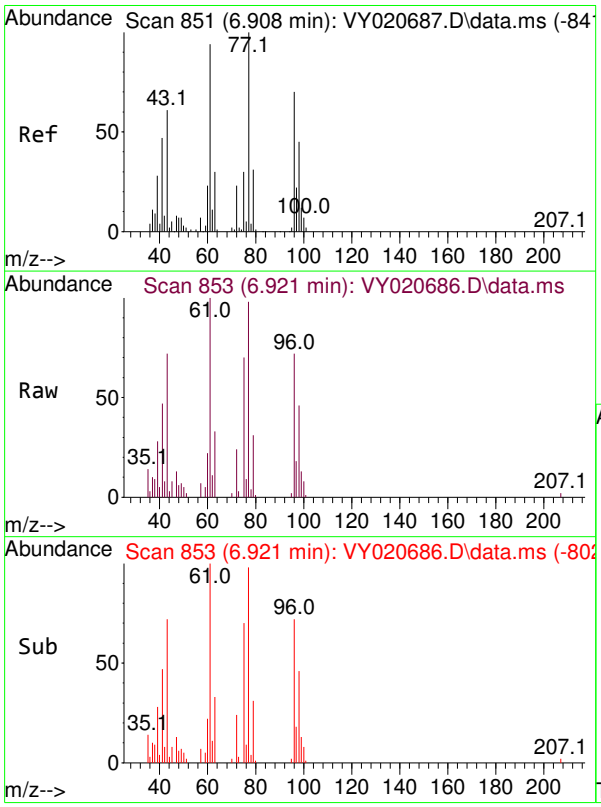


#24
1,1-Dichloroethane
Concen: 20.049 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 24684

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	4.5	2.1	6.5



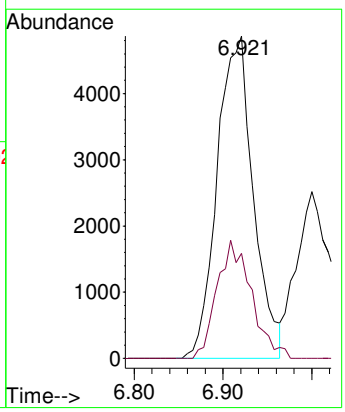


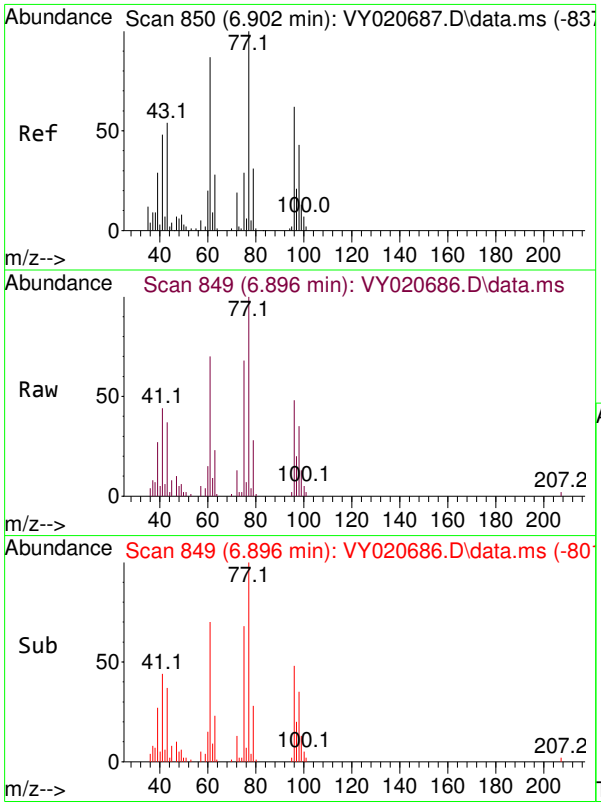
#25
2-Butanone
Concen: 93.819 ug/l
RT: 6.921 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 13772

Ion	Ratio	Lower	Upper
43	100		
72	32.5	20.6	31.0#

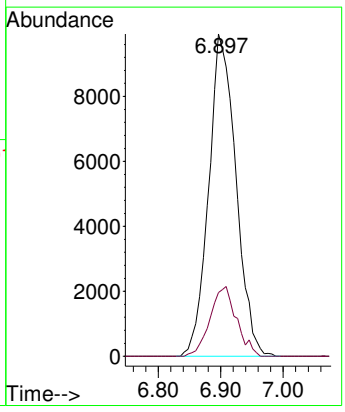


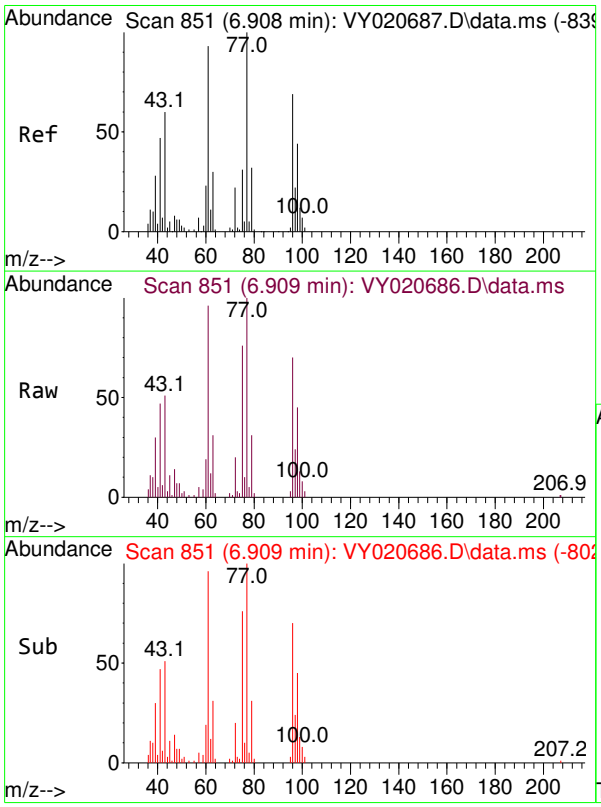


#26
2,2-Dichloropropane
Concen: 19.460 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 77 Resp: 29975

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6



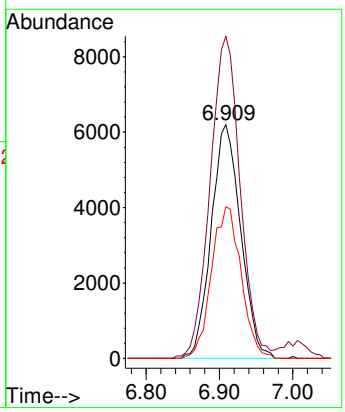


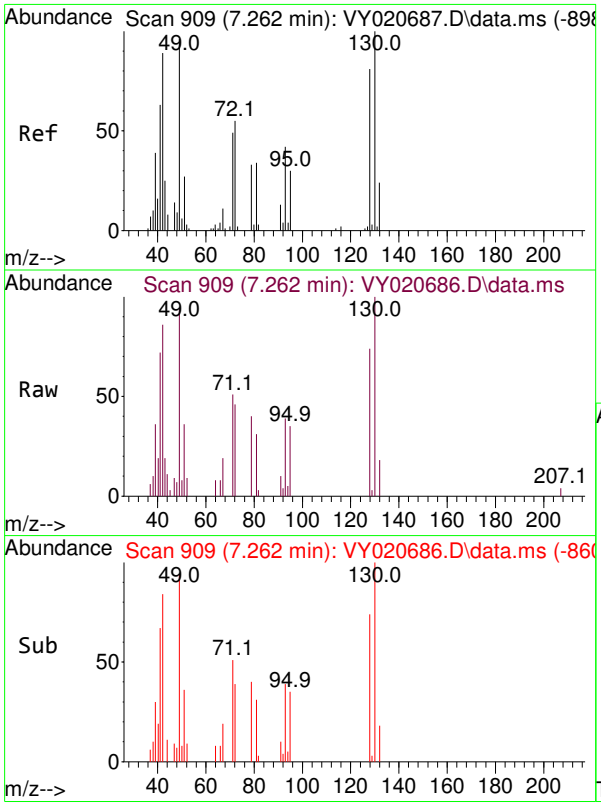
#27
cis-1,2-Dichloroethene
Concen: 19.522 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 17272

Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	306.2
98	65.1	0.0	127.2

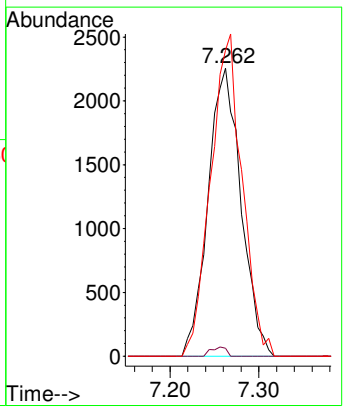


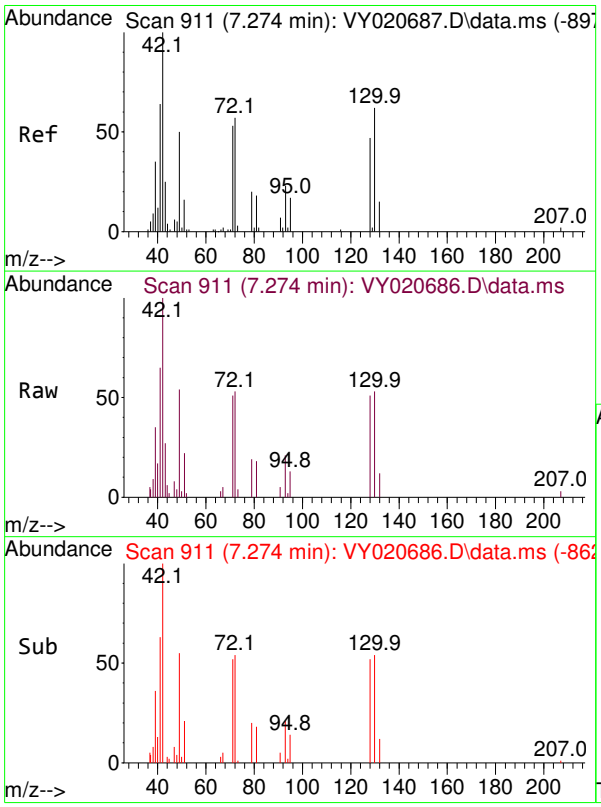


#28
Bromochloromethane
Concen: 18.304 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 49 Resp: 5831

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	107.2	58.3	87.5#



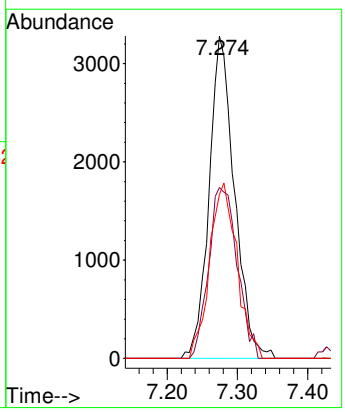


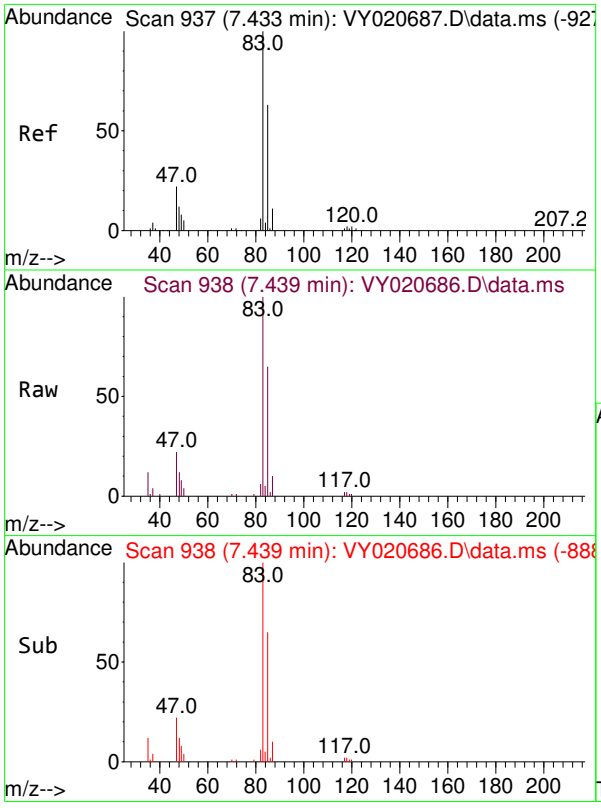
#29
Tetrahydrofuran
Concen: 95.307 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 8223

Ion	Ratio	Lower	Upper
42	100		
72	59.7	34.0	51.0#
71	58.7	31.6	47.4#

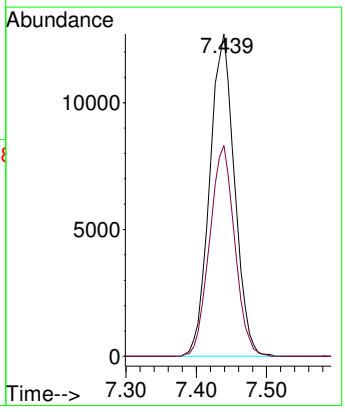


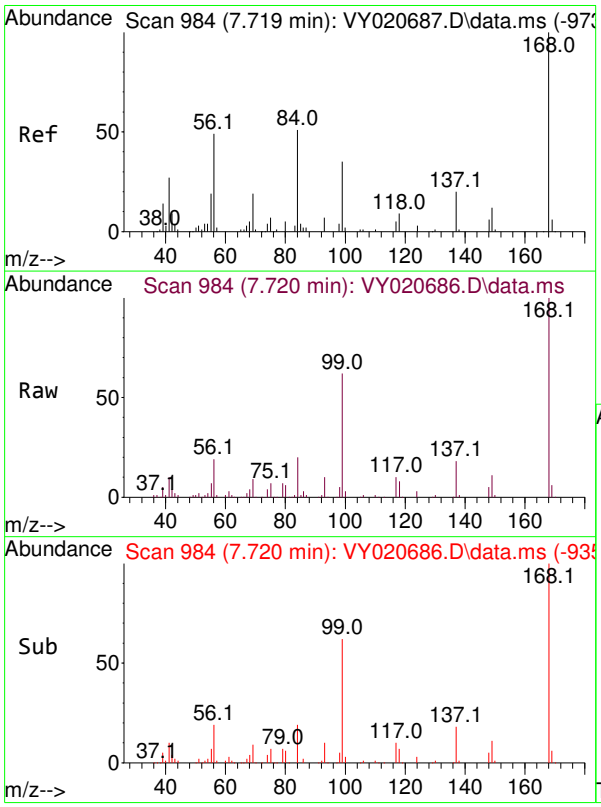


#30
Chloroform
Concen: 19.229 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 31119

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1



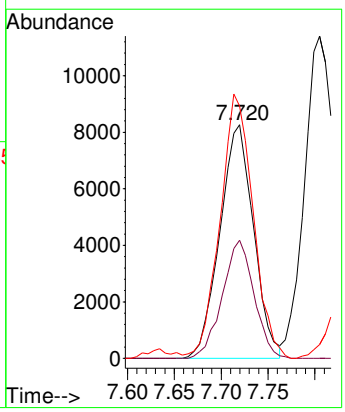


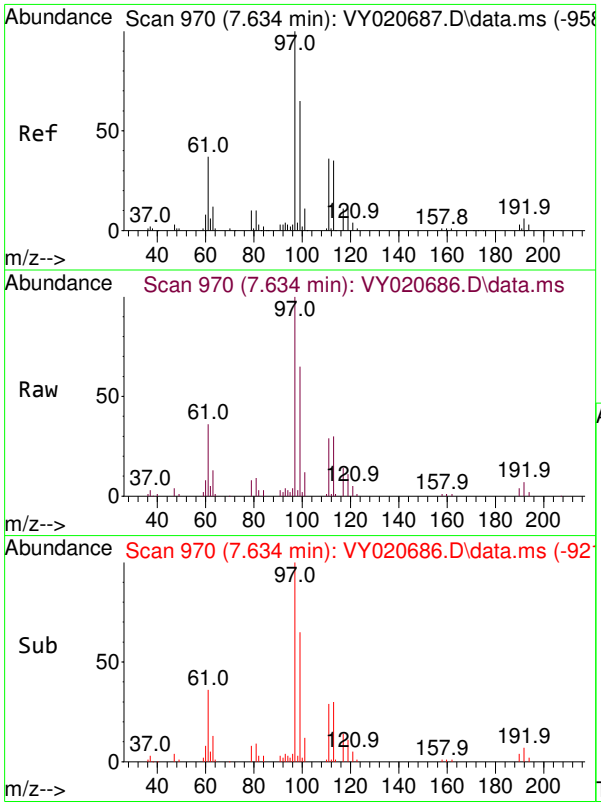
#31
Cyclohexane
Concen: 19.152 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 20675

Ion	Ratio	Lower	Upper
56	100		
69	50.6	25.4	38.0#
84	105.5	68.3	102.5#

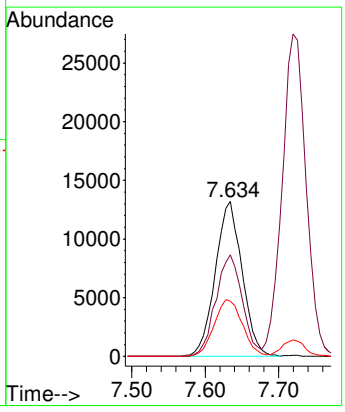


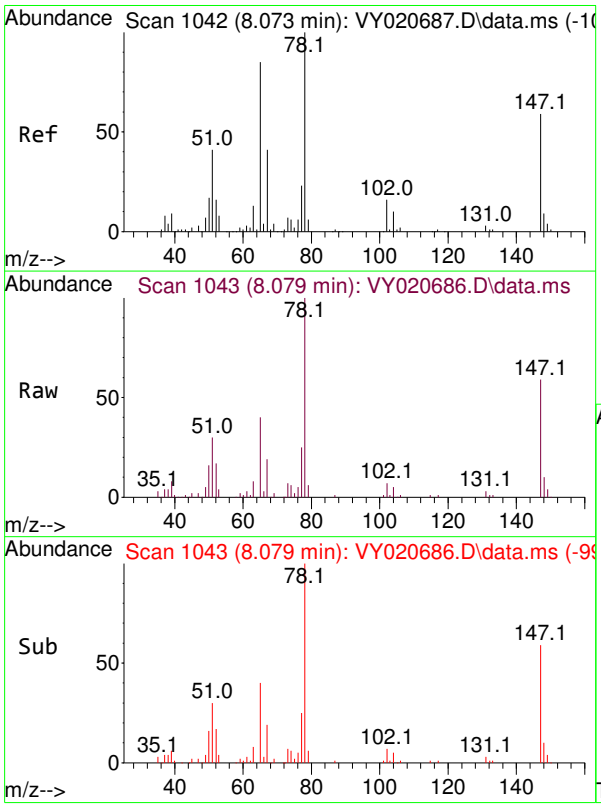


#32
1,1,1-Trichloroethane
Concen: 19.771 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 97 Resp: 33427

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	38.7	34.7	52.1



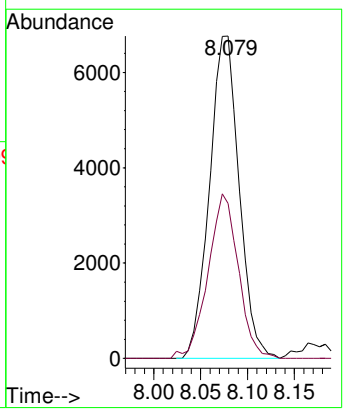


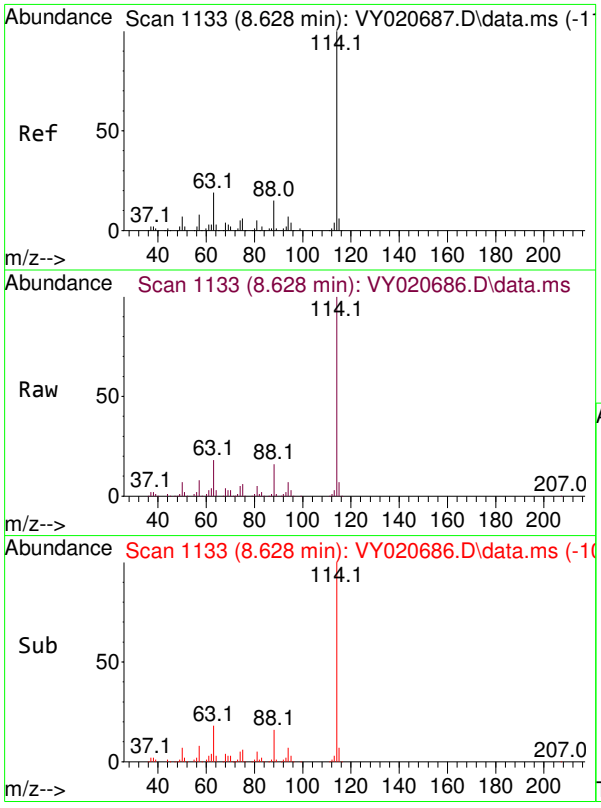
#33
1,2-Dichloroethane-d4
Concen: 16.223 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 14842

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	108.0

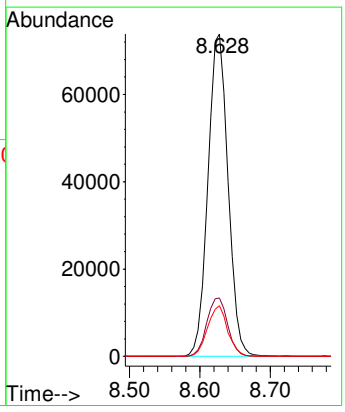


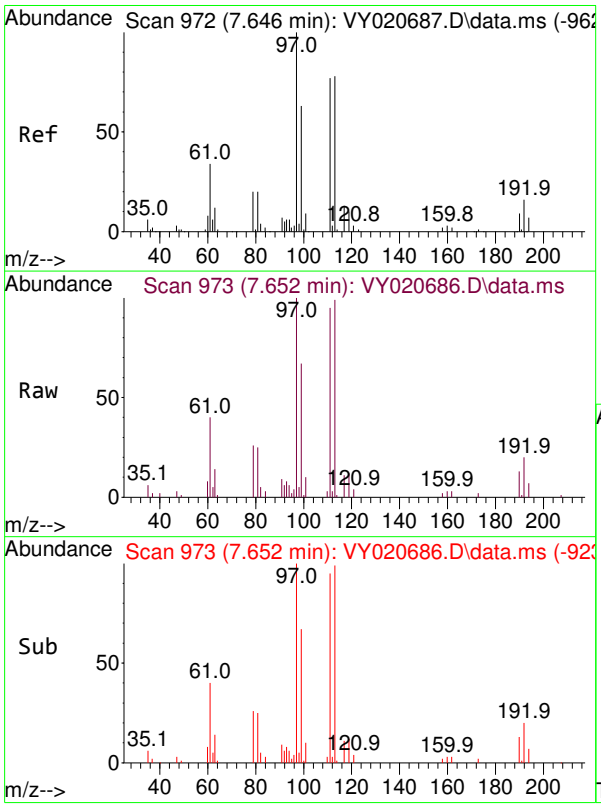


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:114 Resp: 146320

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	44.0
88	15.7	0.0	32.8



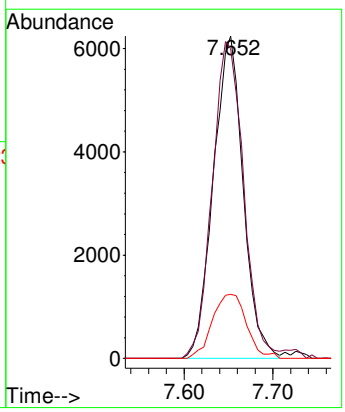


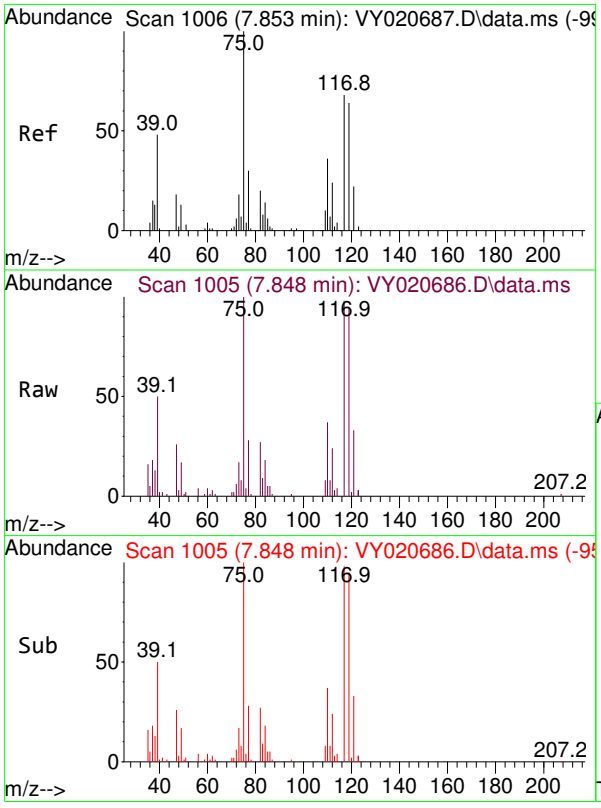
#35
Dibromofluoromethane
Concen: 16.999 ug/l
RT: 7.652 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 14605

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	22.8	15.7	23.5

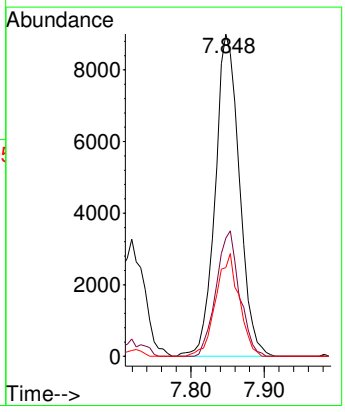


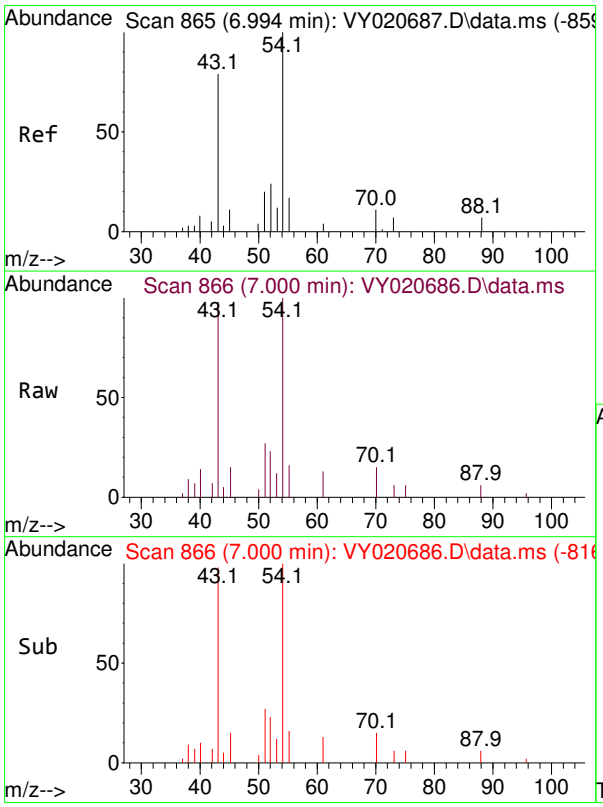


#36
1,1-Dichloropropene
Concen: 19.723 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 20597

Ion	Ratio	Lower	Upper
75	100		
110	37.6	16.8	50.4
77	30.8	25.0	37.6



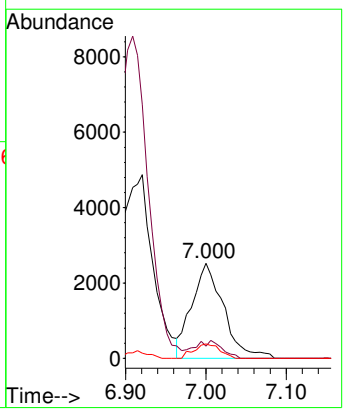


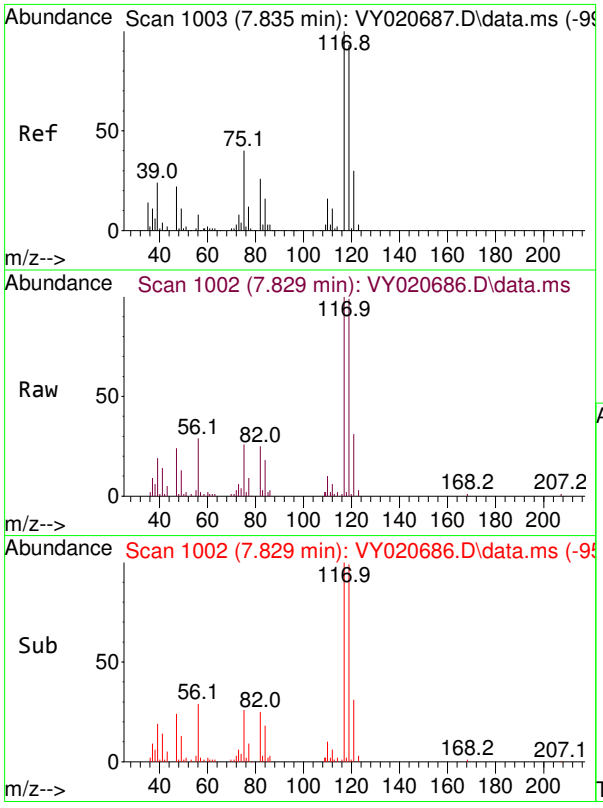
#37
Ethyl Acetate
Concen: 20.375 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 6954

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	12.4	7.9	11.9#

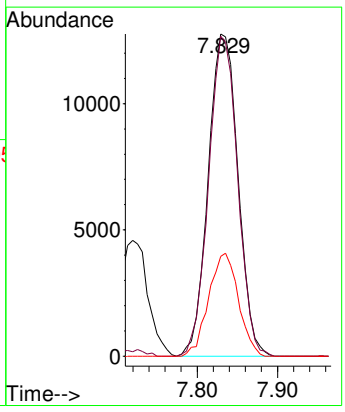


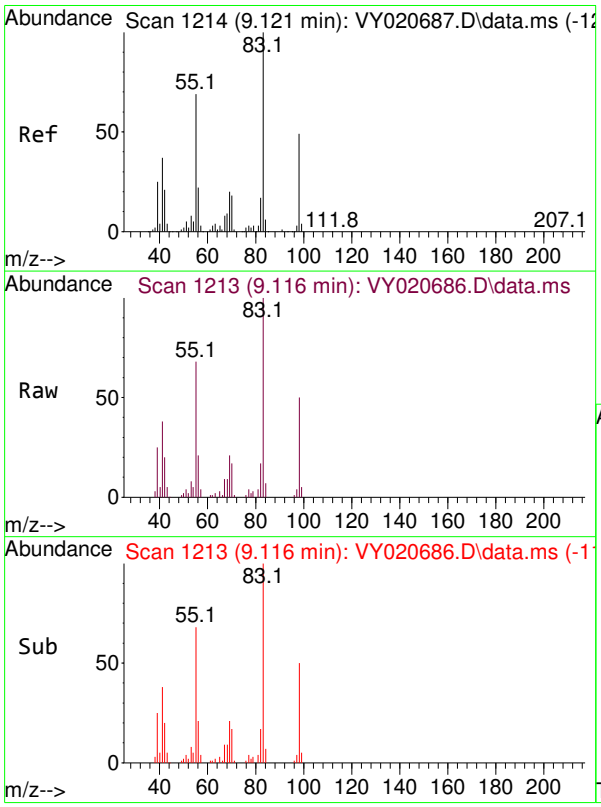


#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 32873

Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.3	117.5
121	31.0	25.1	37.7



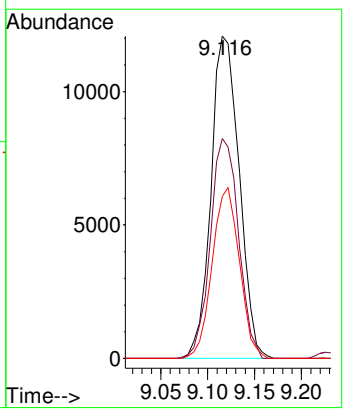


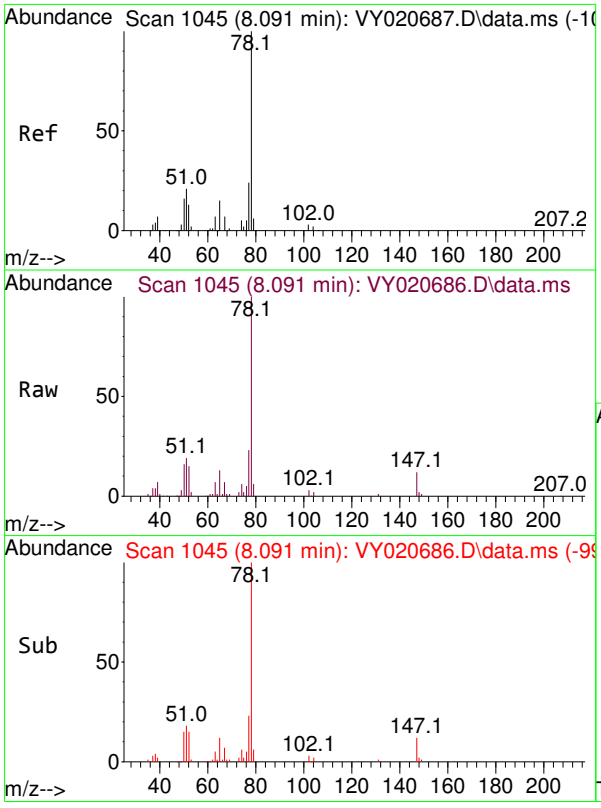
#39
Methylcyclohexane
Concen: 18.999 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 25219

Ion	Ratio	Lower	Upper
83	100		
55	68.2	61.4	92.0
98	50.2	37.3	55.9

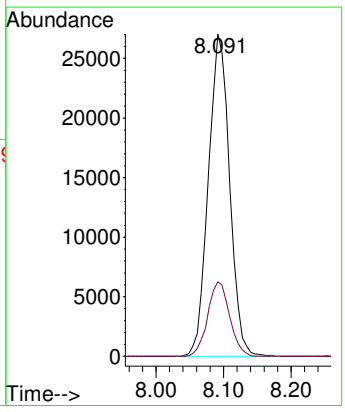


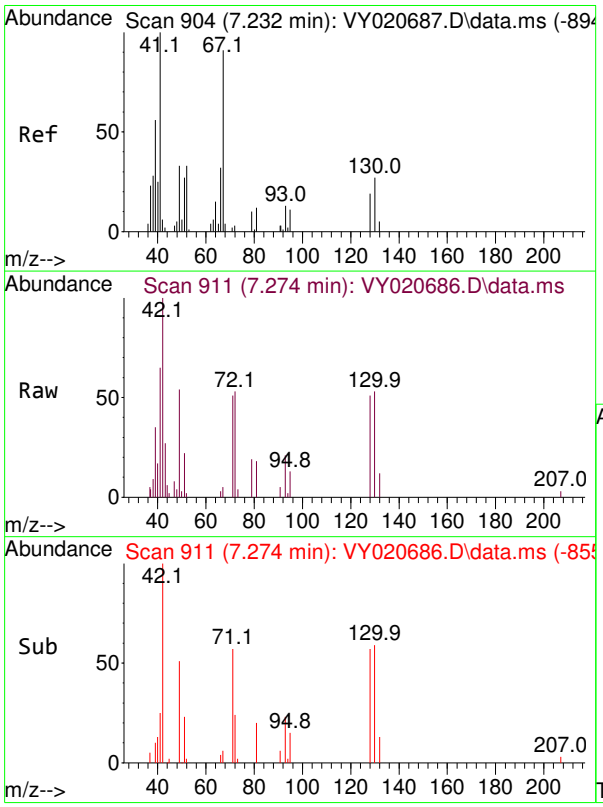


#40
Benzene
Concen: 19.607 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 78 Resp: 59071

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.1	30.1



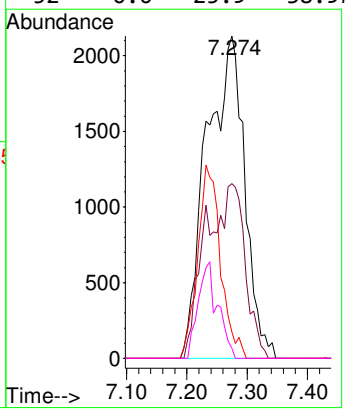


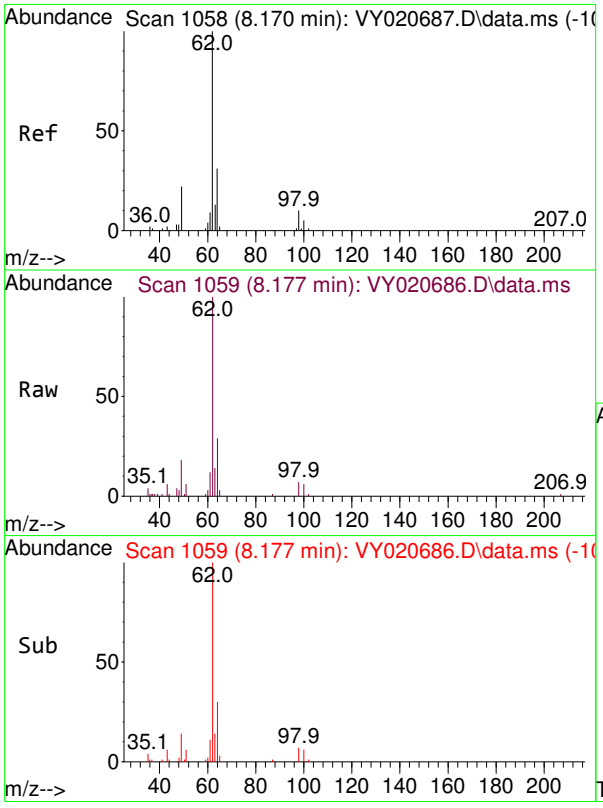
#41
Methacrylonitrile
Concen: 48.203 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.043 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 9311

Ion	Ratio	Lower	Upper
41	100		
39	26.6	53.6	80.4#
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#

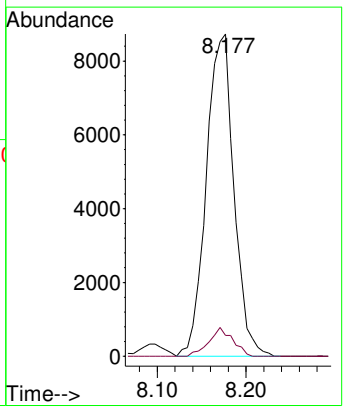


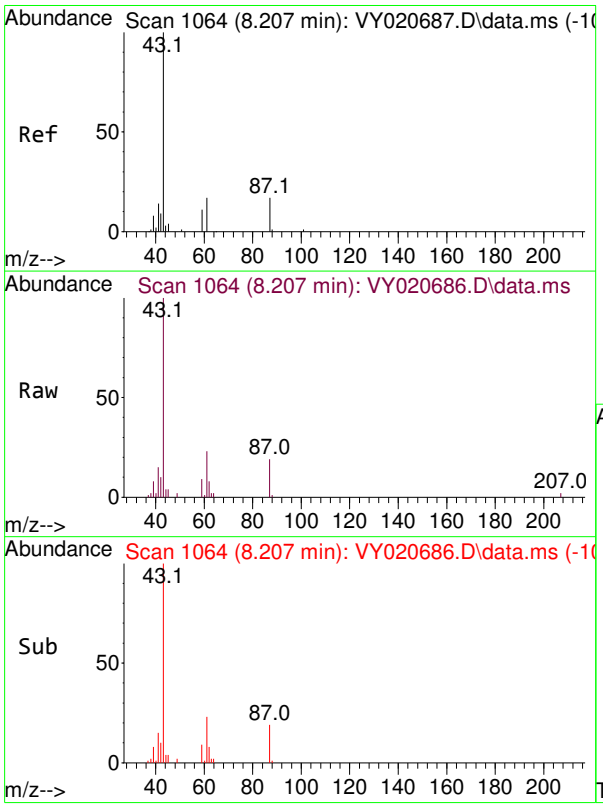


#42
1,2-Dichloroethane
Concen: 19.768 ug/l
RT: 8.177 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 18941

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.0



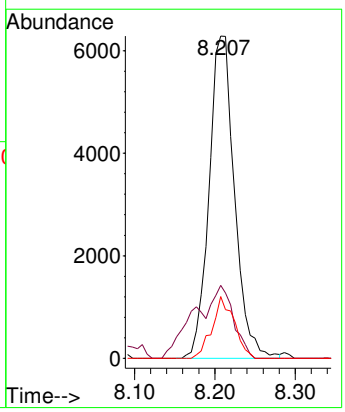


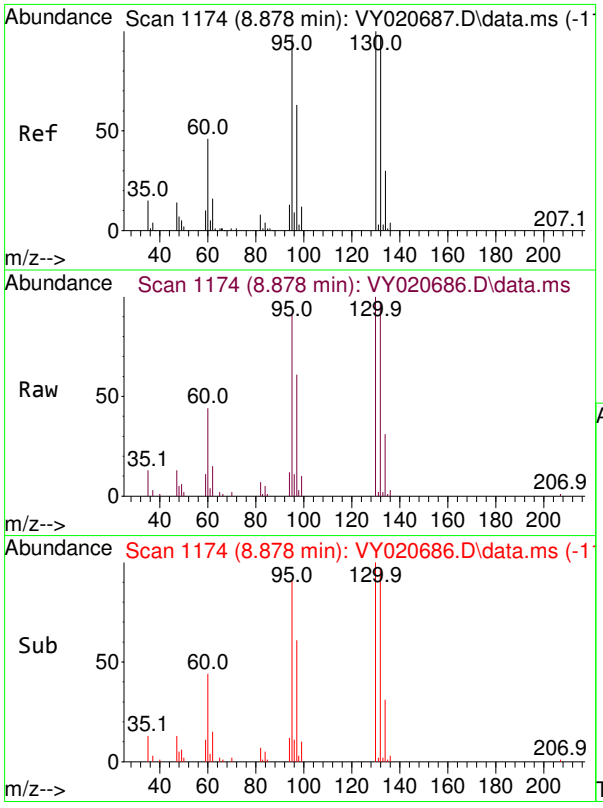
#43
Isopropyl Acetate
Concen: 19.509 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 13839

Ion	Ratio	Lower	Upper
43	100		
61	19.5	23.8	35.6#
87	16.6	10.2	15.4#

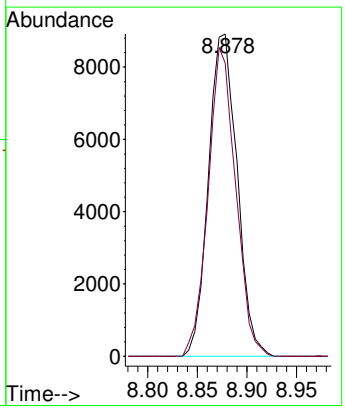


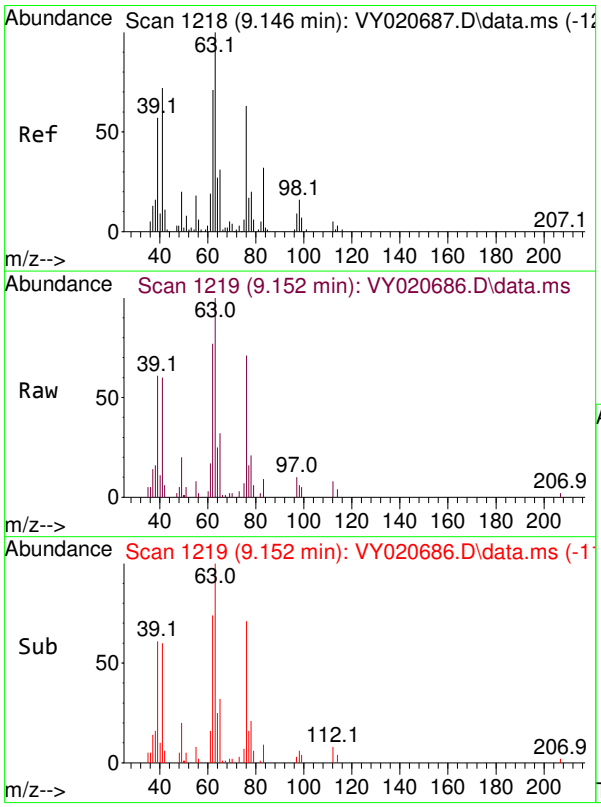


#44
Trichloroethene
Concen: 20.111 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:130 Resp: 17982

Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	203.2



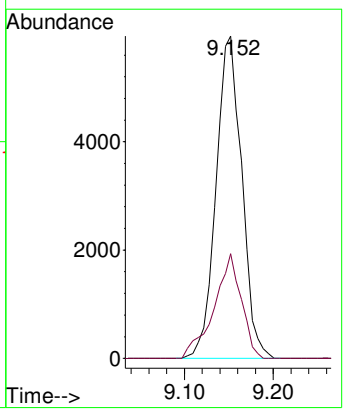


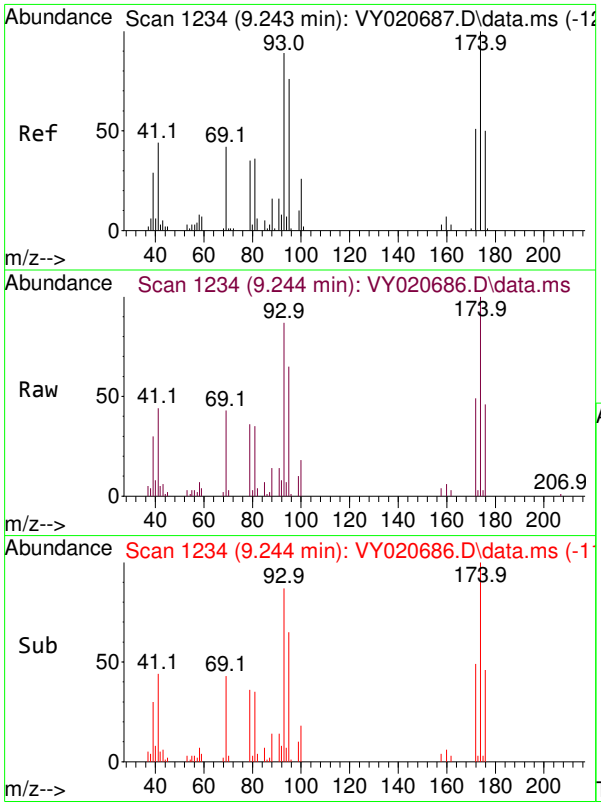
#45
1,2-Dichloropropane
Concen: 20.313 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 12024

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9

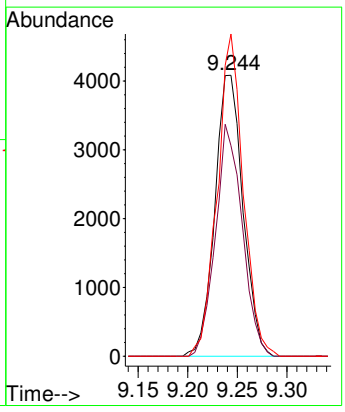


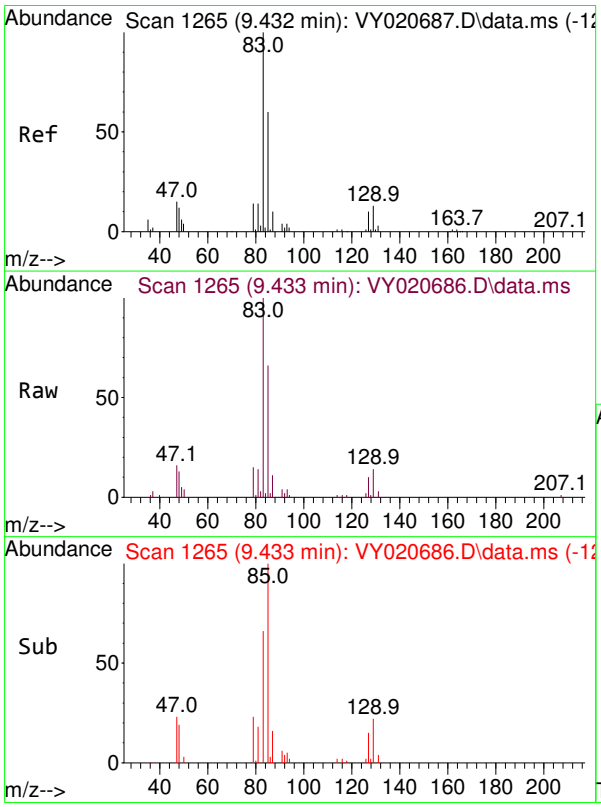


#46
Dibromomethane
Concen: 19.751 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 93 Resp: 8071

Ion	Ratio	Lower	Upper
93	100		
95	78.6	66.7	100.1
174	106.2	77.8	116.6



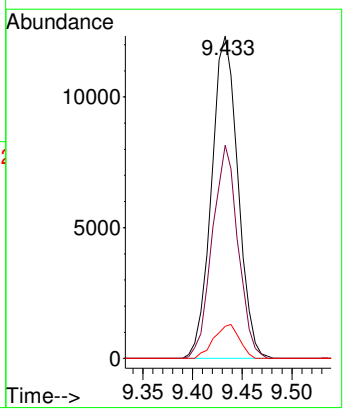


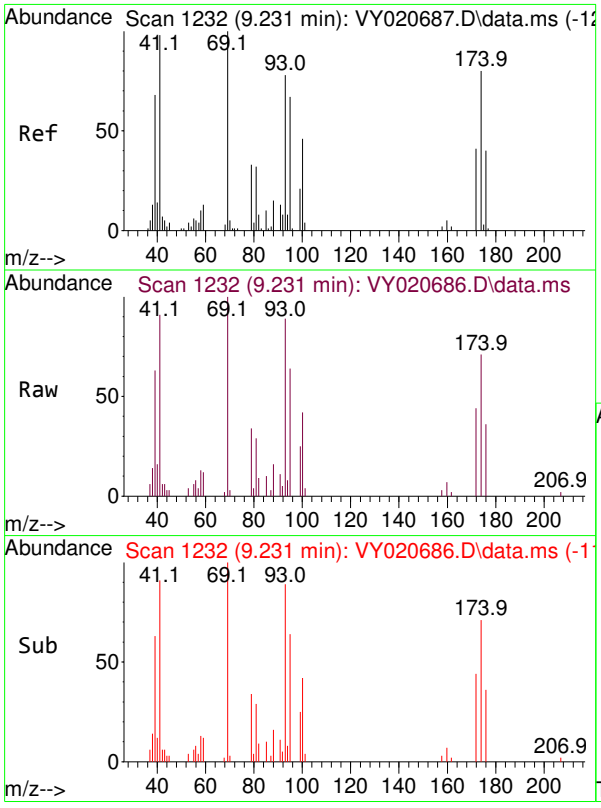
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 22921

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.1	78.1
127	10.0	6.7	10.1

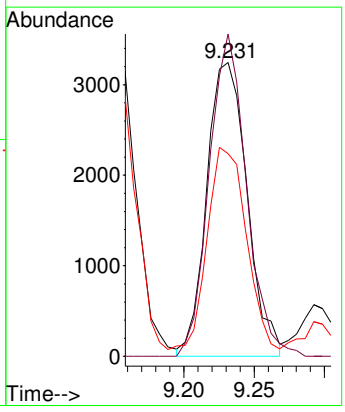


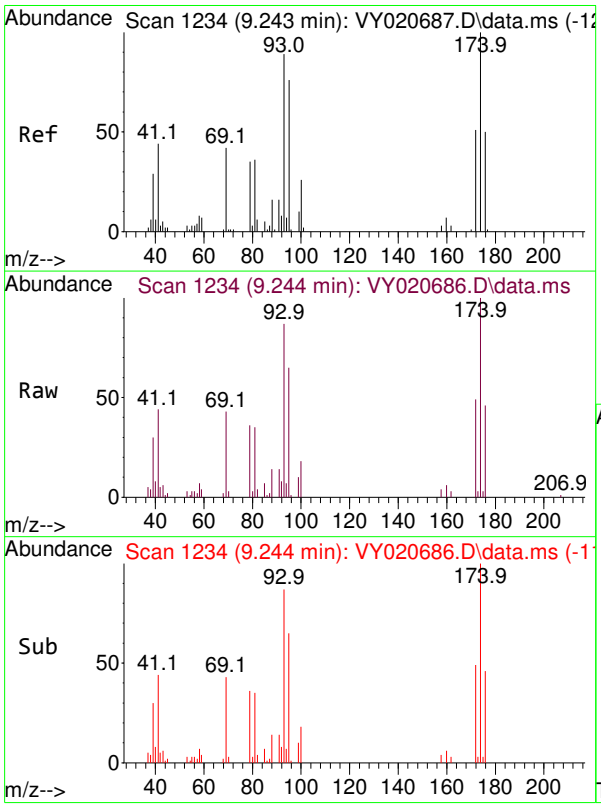


#48
Methyl methacrylate
Concen: 19.258 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 6476

Ion	Ratio	Lower	Upper
41	100		
69	101.3	67.2	100.8#
39	67.0	42.2	63.4#



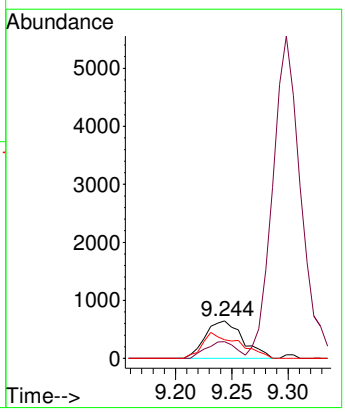


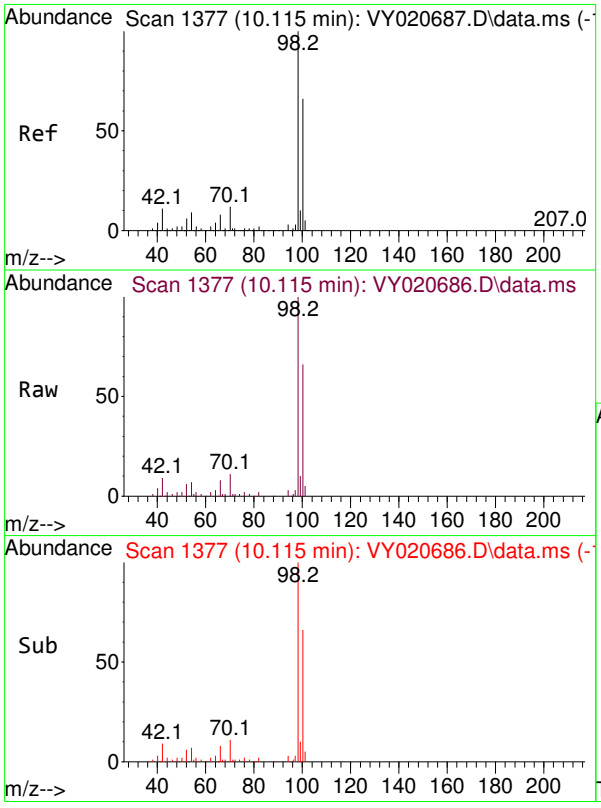
#49
1,4-Dioxane
Concen: 357.918 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 1500

Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.6	41.4
58	66.7	61.7	92.5

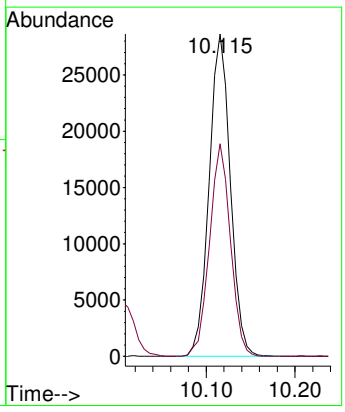


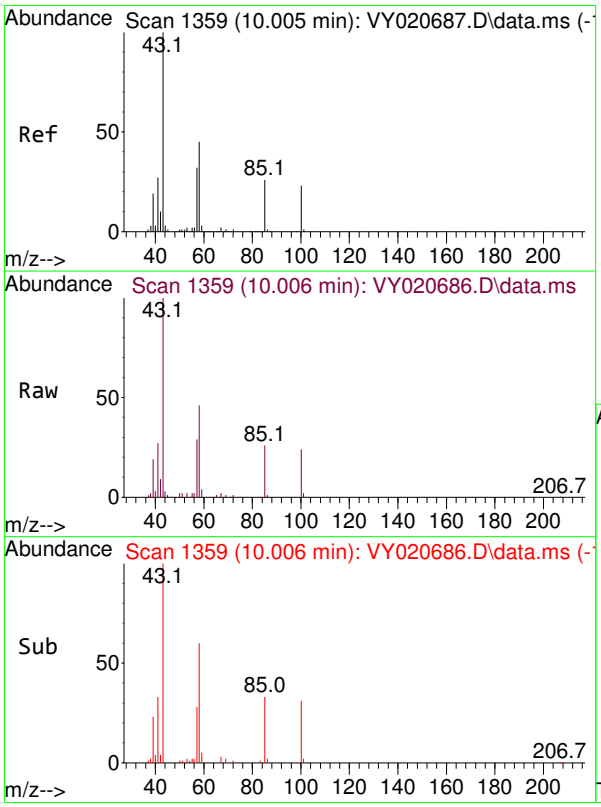


#50
Toluene-d8
Concen: 15.278 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 98 Resp: 47674

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



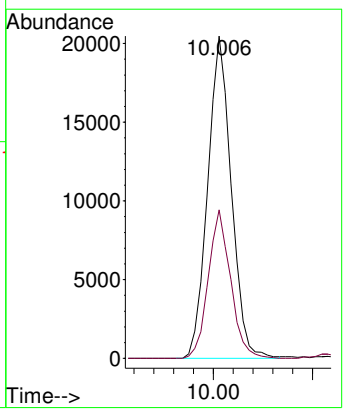


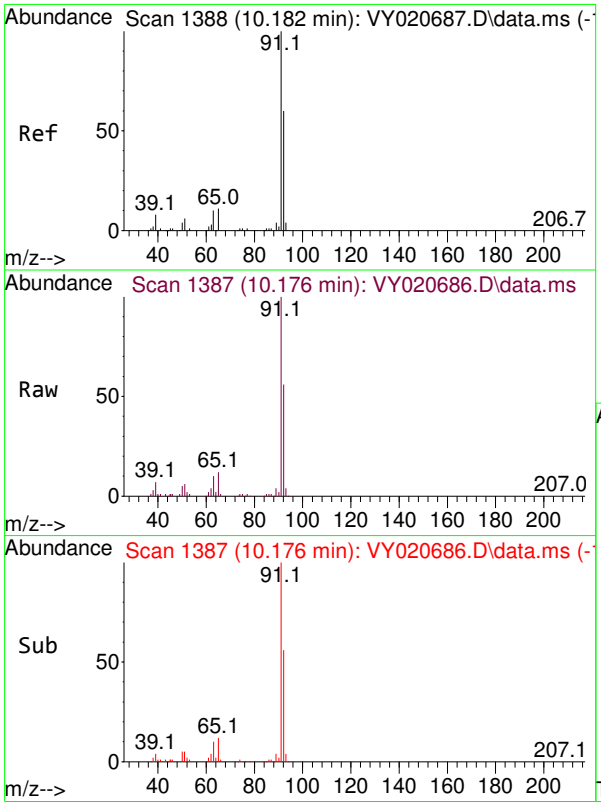
#51
4-Methyl-2-Pentanone
Concen: 95.570 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 33865

Ion	Ratio	Lower	Upper
43	100		
58	43.6	31.4	47.2

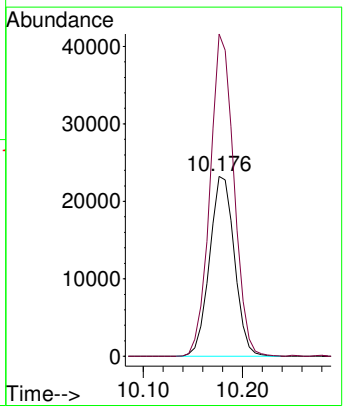


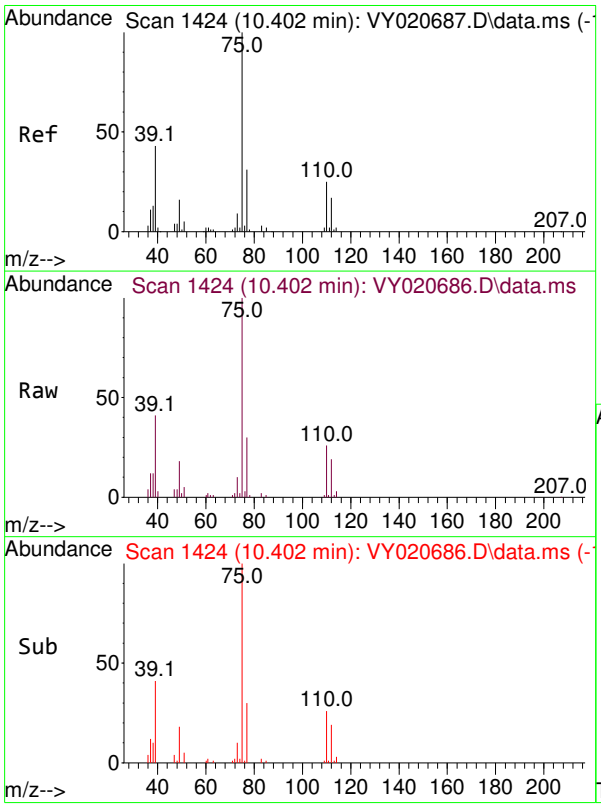


#52
Toluene
Concen: 19.777 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 92 Resp: 40575

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



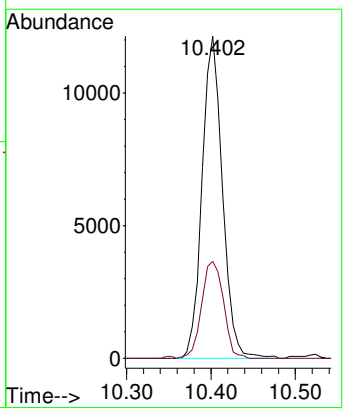


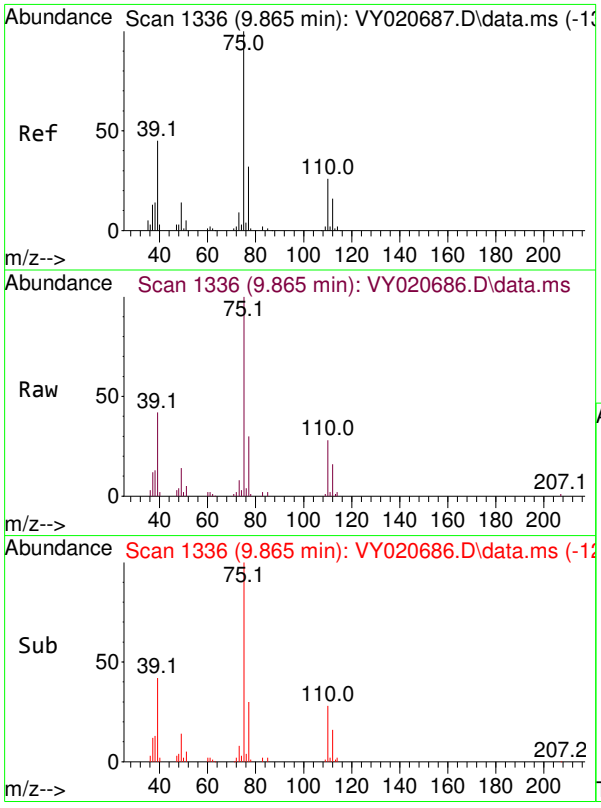
#53
t-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 10.402 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 20438

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.2

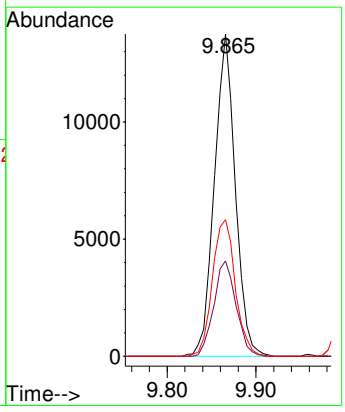


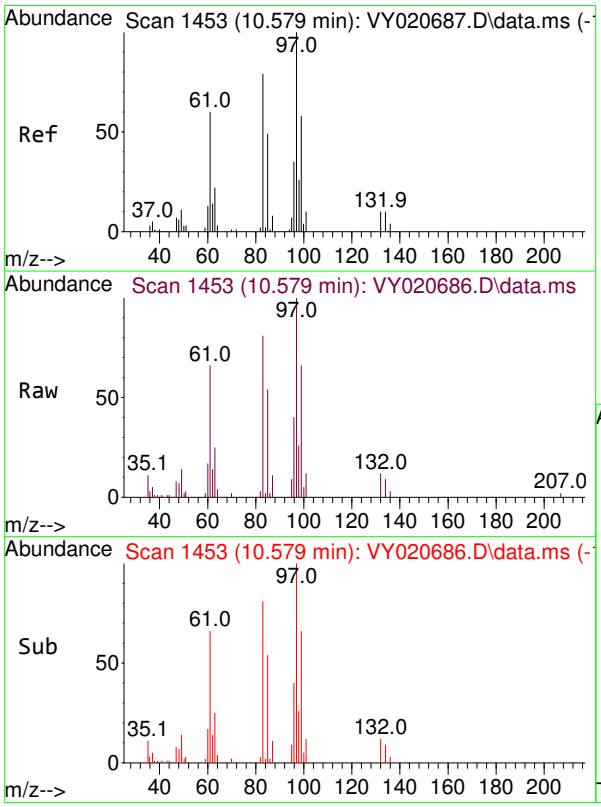


#54
cis-1,3-Dichloropropene
Concen: 19.986 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 22589

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.6	36.8
39	42.4	36.4	54.6



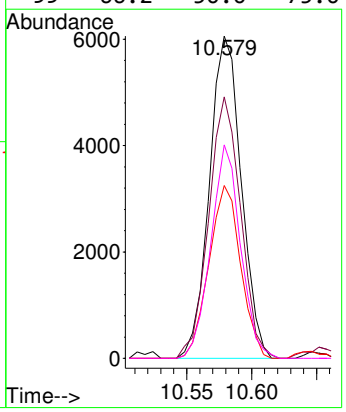


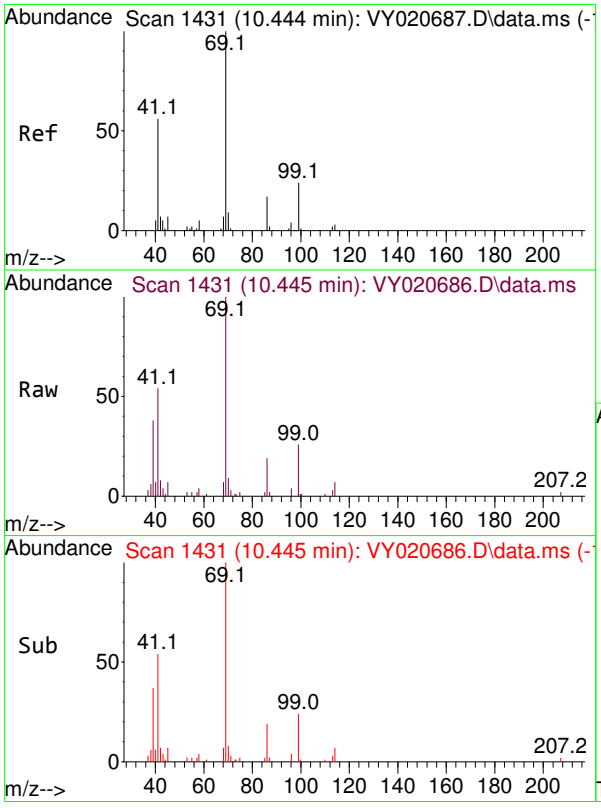
#55
1,1,2-Trichloroethane
Concen: 19.493 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 10314

Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.4	105.6
85	53.6	47.2	70.8
99	66.2	50.0	75.0

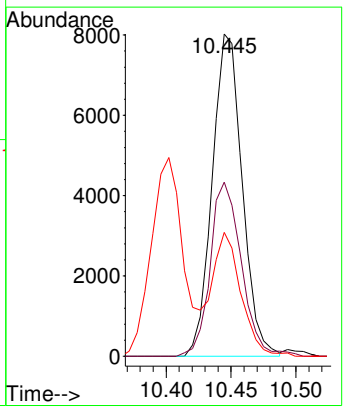


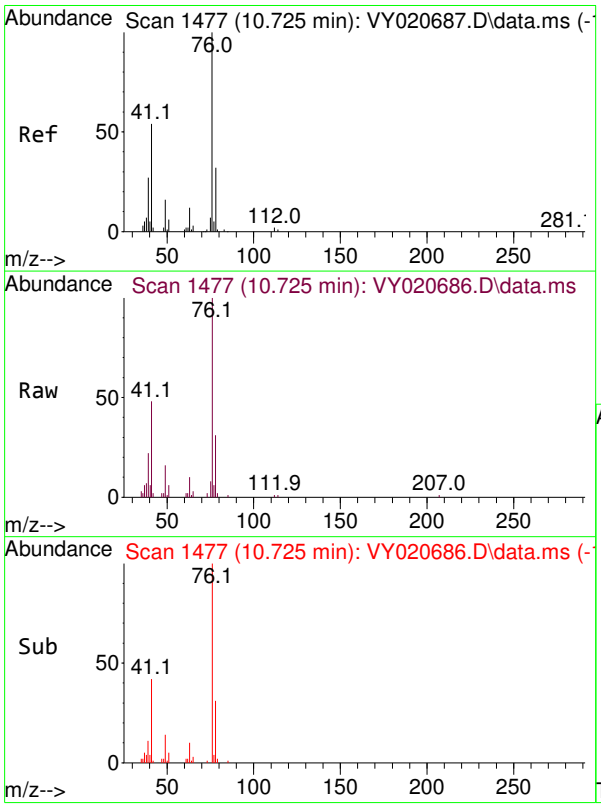


#56
Ethyl methacrylate
Concen: 19.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 69 Resp: 12869

Ion	Ratio	Lower	Upper
69	100		
41	56.2	54.0	81.0
39	36.9	27.9	41.9



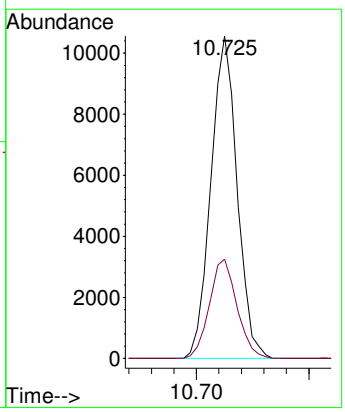


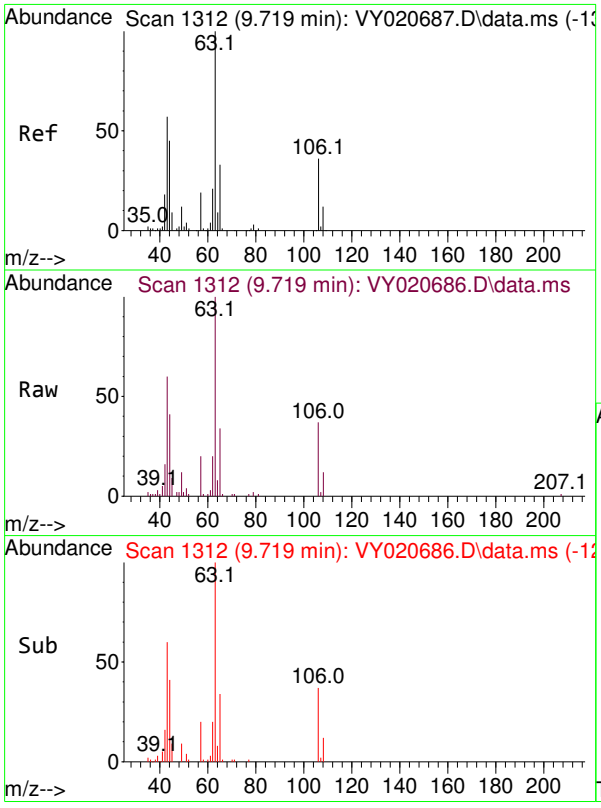
#57
1,3-Dichloropropane
Concen: 19.692 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 17032

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

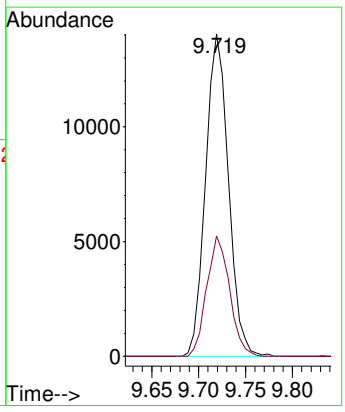


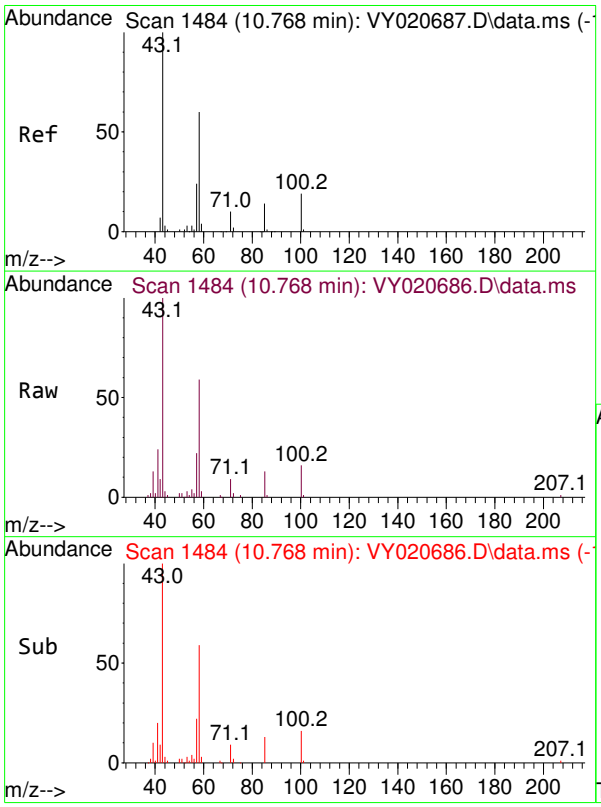


#58
2-Chloroethyl Vinyl ether
Concen: 94.571 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 23853

Ion	Ratio	Lower	Upper
63	100		
106	37.3	21.5	32.3#



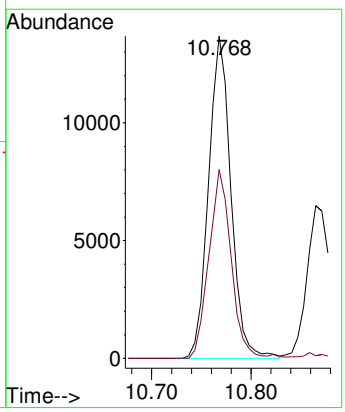


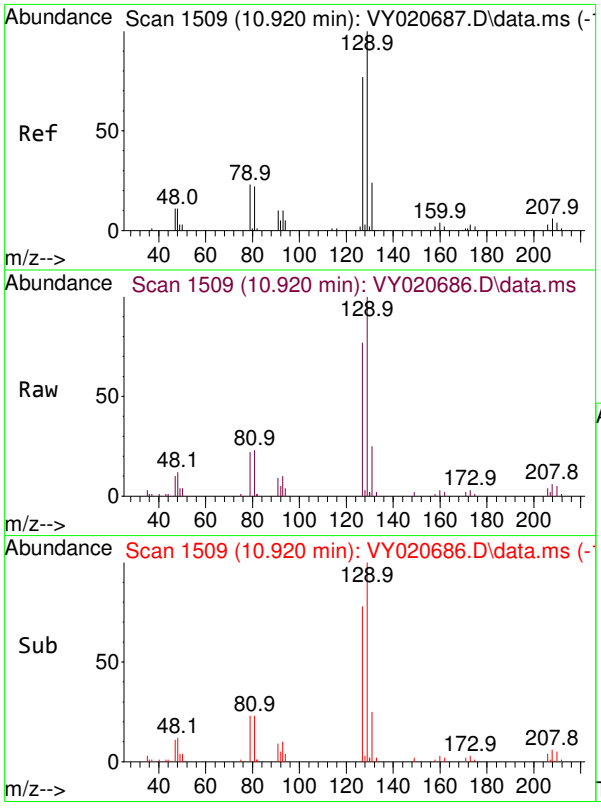
#59
2-Hexanone
Concen: 95.158 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 21478

Ion	Ratio	Lower	Upper
43	100		
58	58.5	27.2	81.6

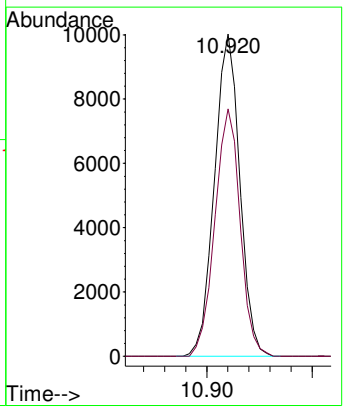


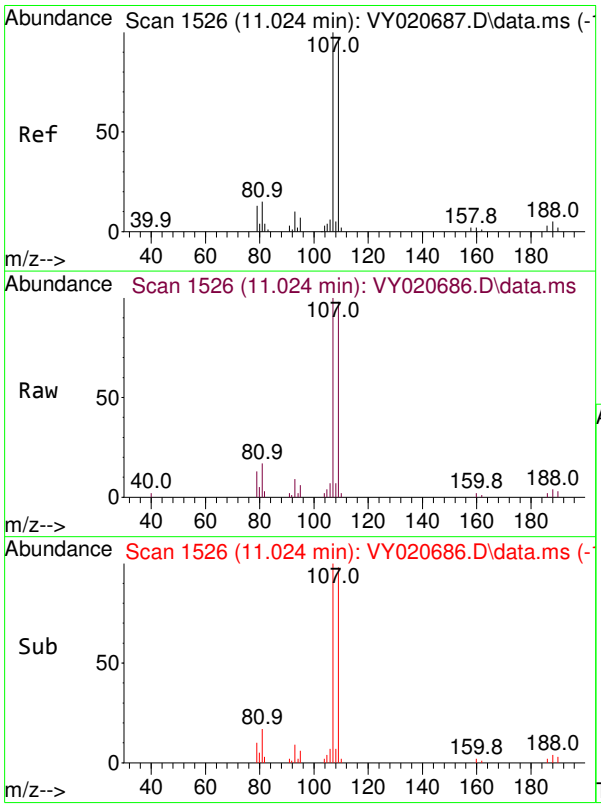


#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:129 Resp: 16794

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.3



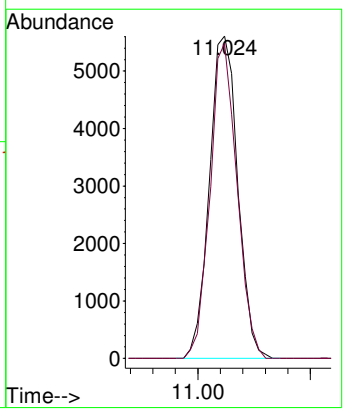


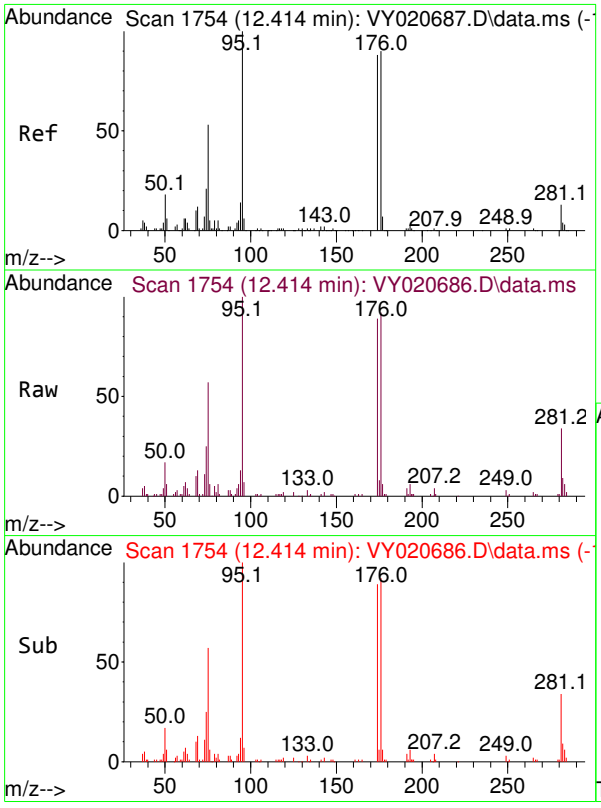
#61
1,2-Dibromoethane
Concen: 19.777 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 9810

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.2

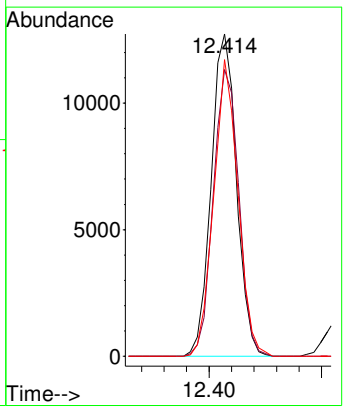


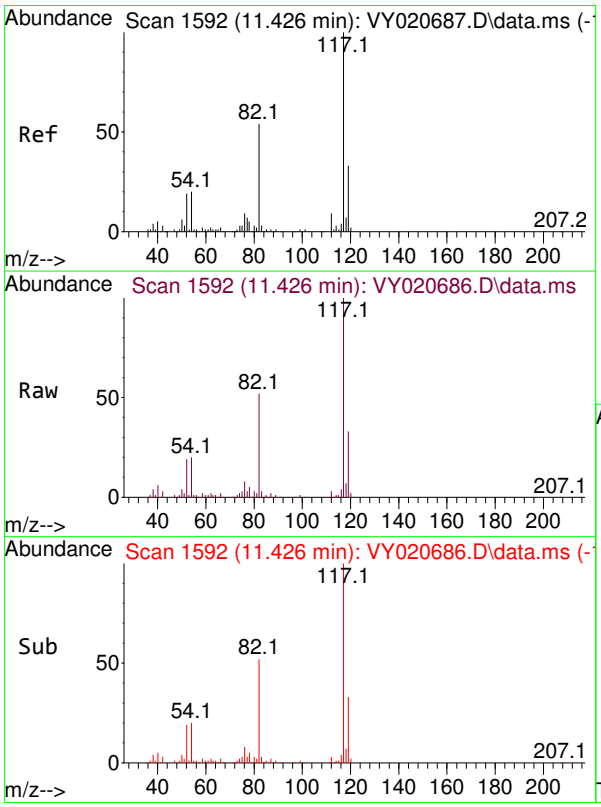


#62
4-Bromofluorobenzene
Concen: 17.457 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 95 Resp: 19827

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	161.8
176	88.0	0.0	156.6



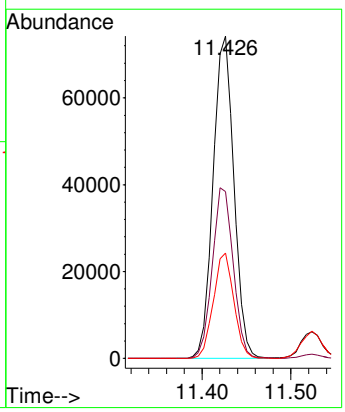


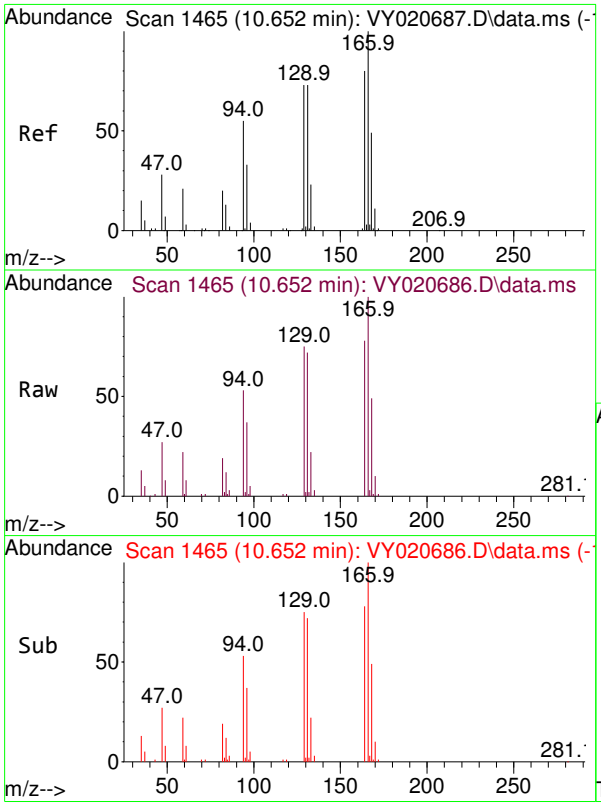
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 121625

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.6
119	32.7	25.3	37.9

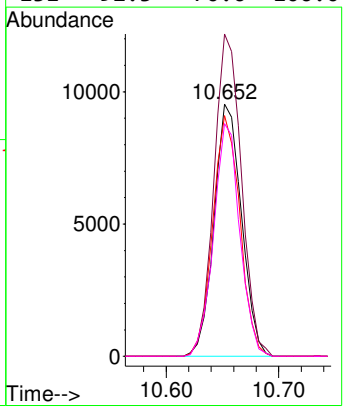


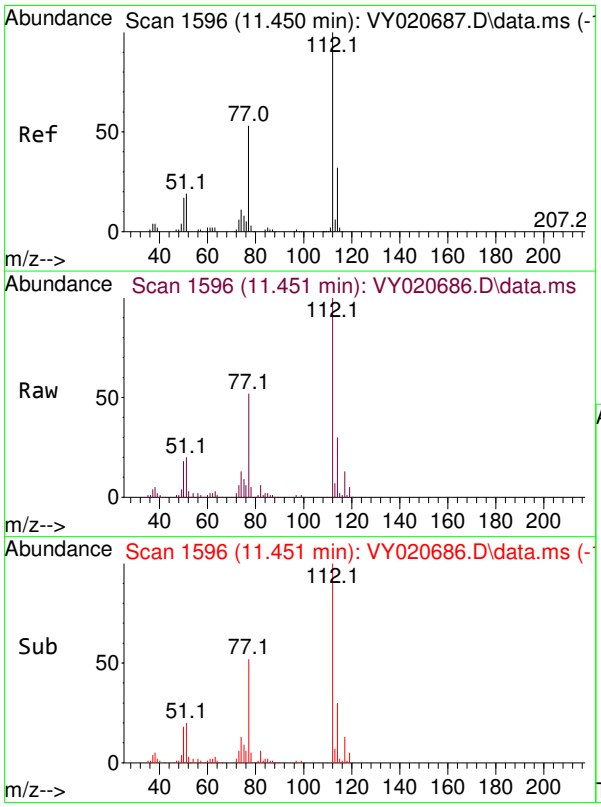


#64
Tetrachloroethene
Concen: 19.955 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:164 Resp: 16119

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	146.9
129	95.4	73.4	110.0
131	92.3	70.6	106.0



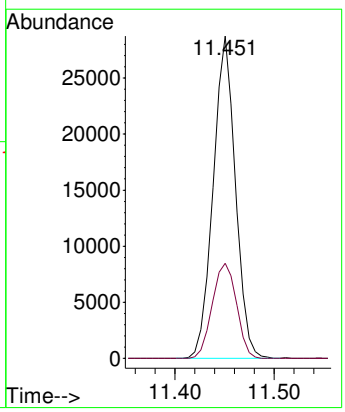


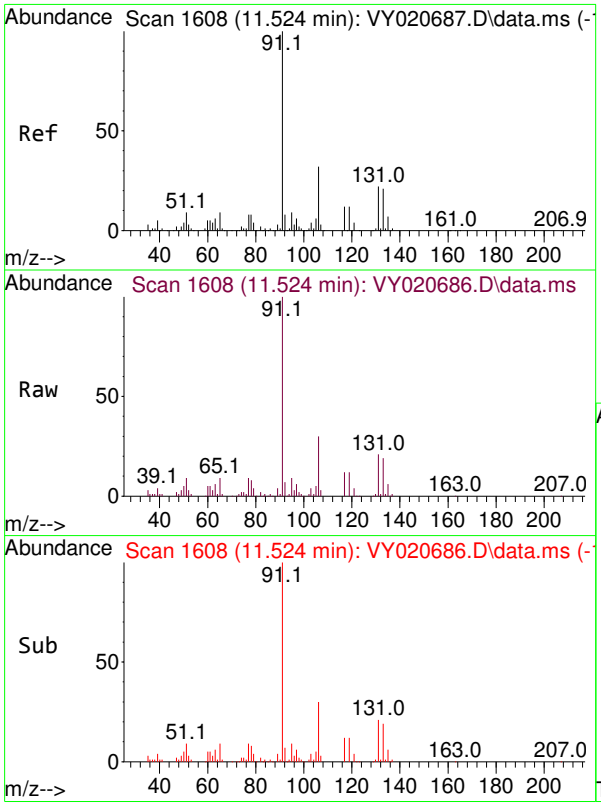
#65
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 44944

Ion	Ratio	Lower	Upper
112	100		
114	29.5	26.0	39.0

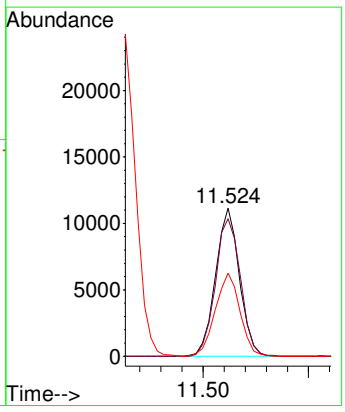


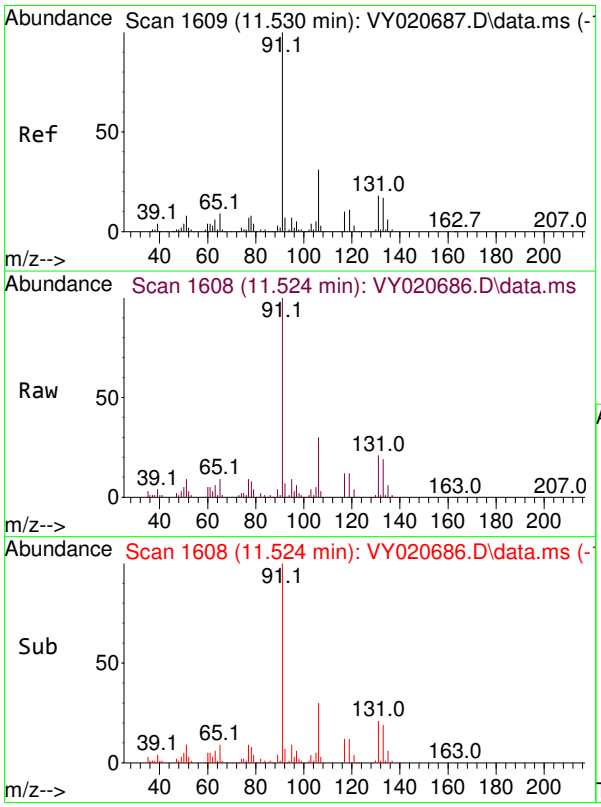


#66
1,1,1,2-Tetrachloroethane
Concen: 19.757 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:131 Resp: 17535

Ion	Ratio	Lower	Upper
131	100		
133	97.5	46.8	140.3
119	58.0	31.8	95.3



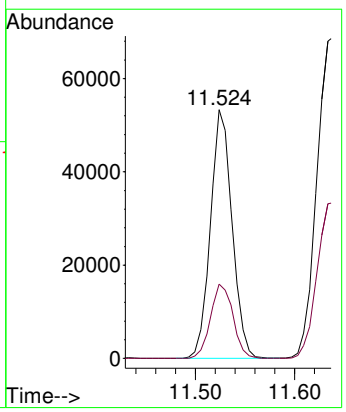


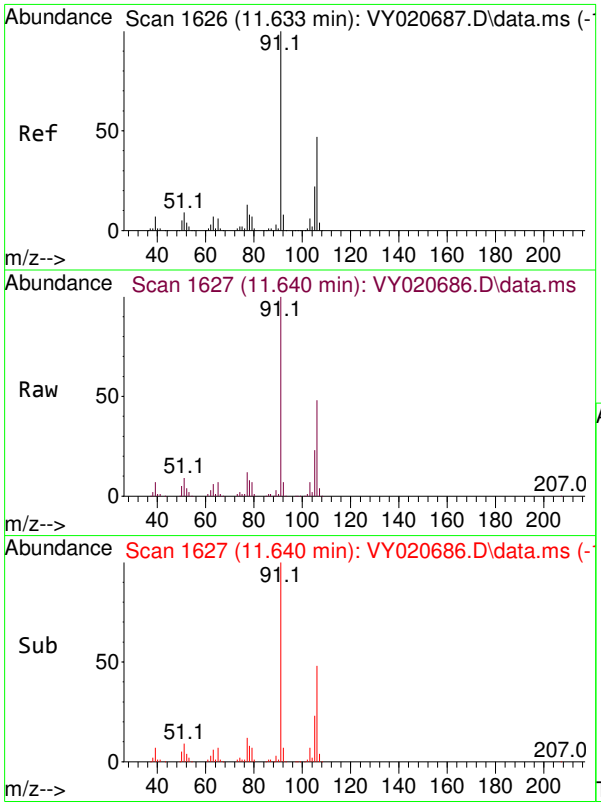
#67
Ethyl Benzene
Concen: 19.902 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 81152

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

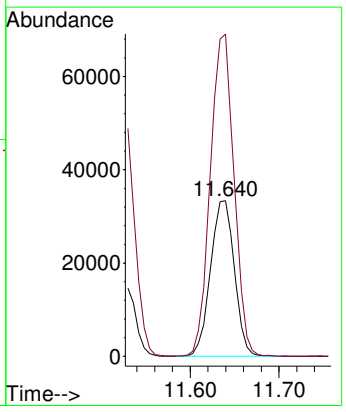


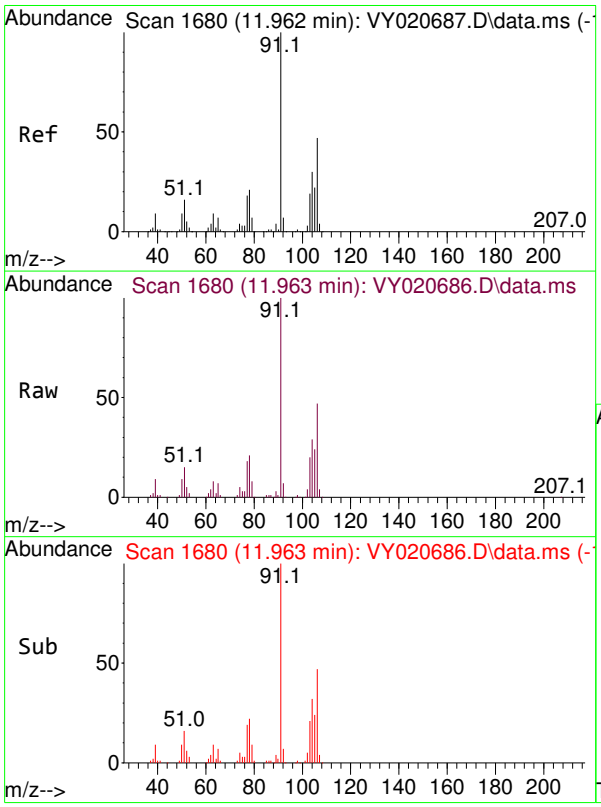


#68
m/p-Xylenes
Concen: 40.273 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:106 Resp: 62622

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.0	247.4



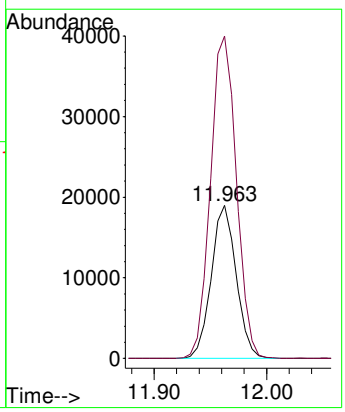


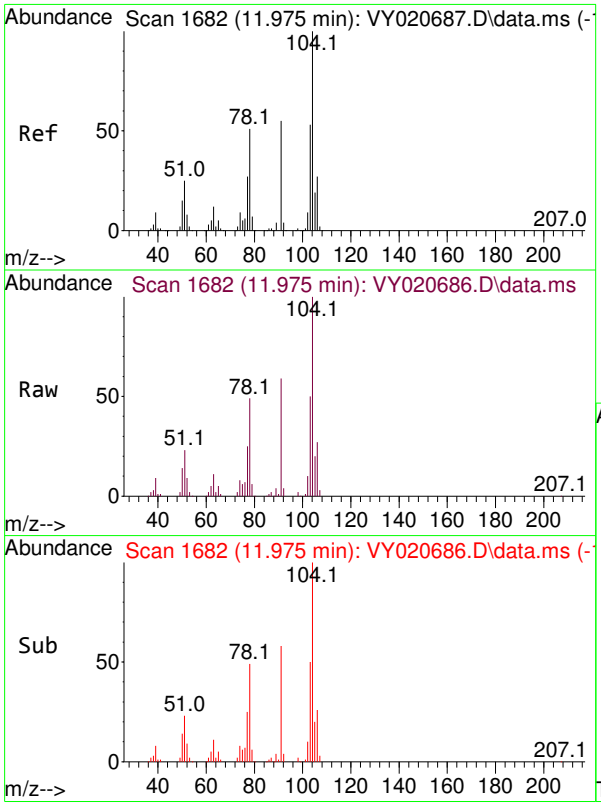
#69
o-Xylene
Concen: 19.954 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 29146

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.4	325.2

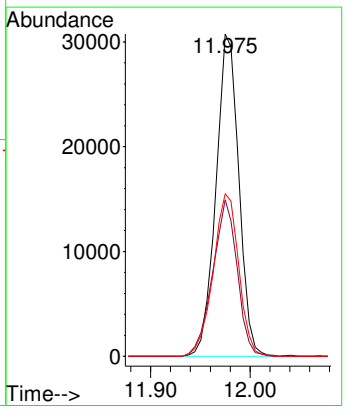


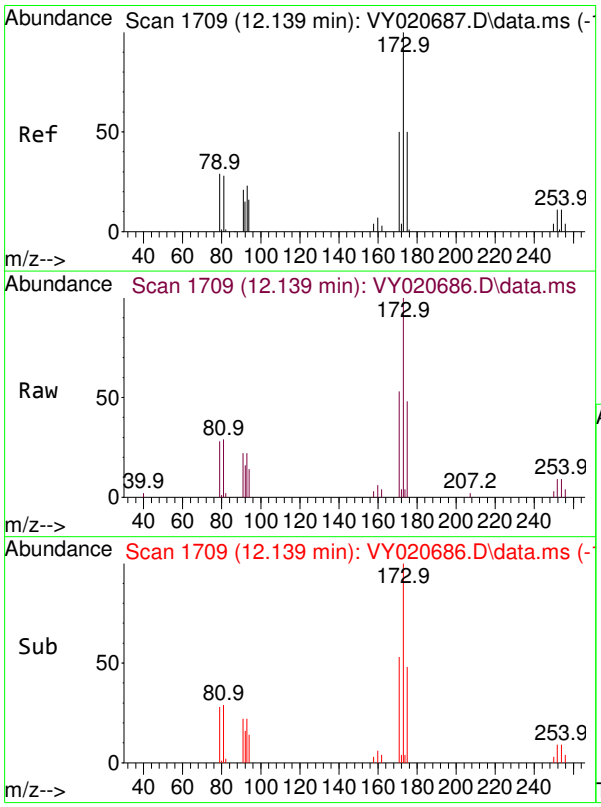


#70
Styrene
Concen: 20.194 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:104 Resp: 49613

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	56.1	43.7	65.5



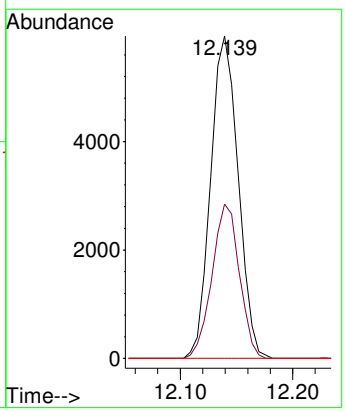


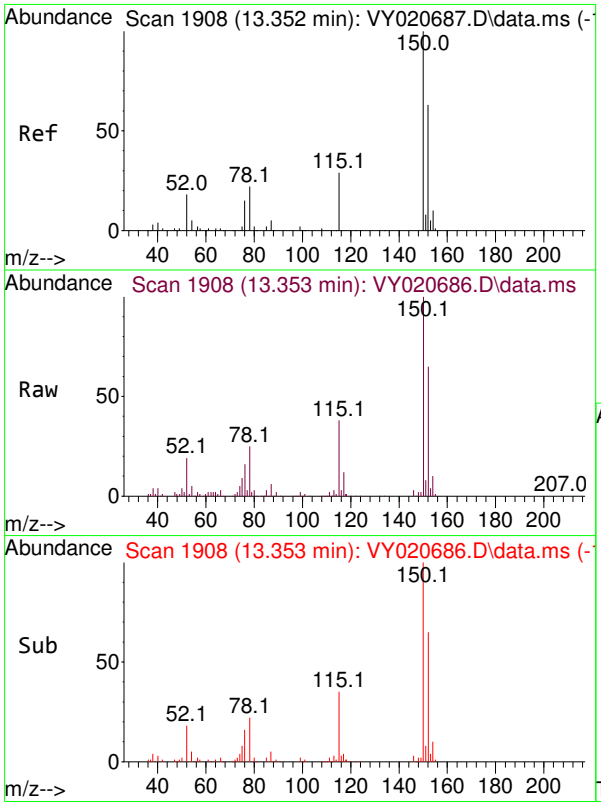
#71
Bromoform
Concen: 19.860 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 10096

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.0	0.0

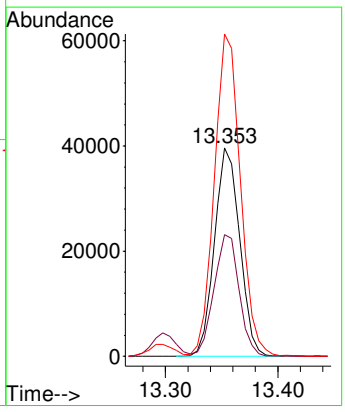


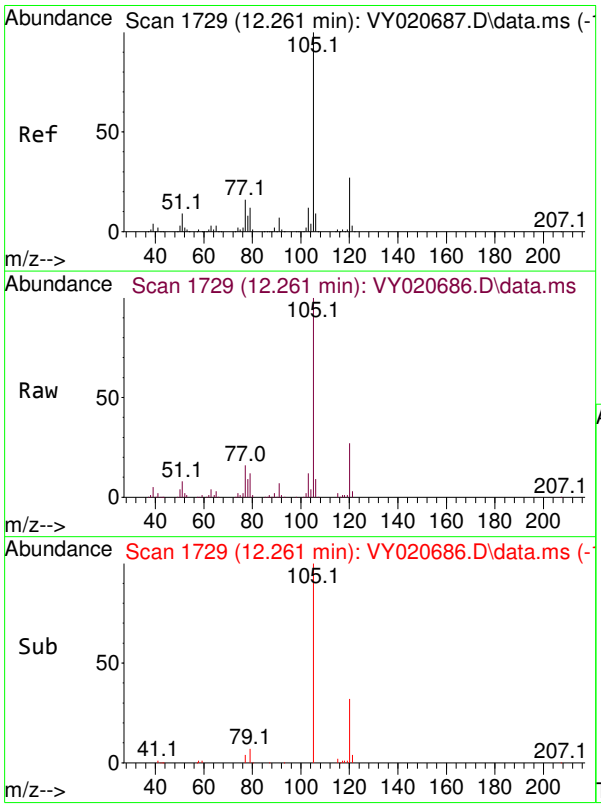


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:152 Resp: 61580

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.2	90.6
150	160.1	0.0	355.4



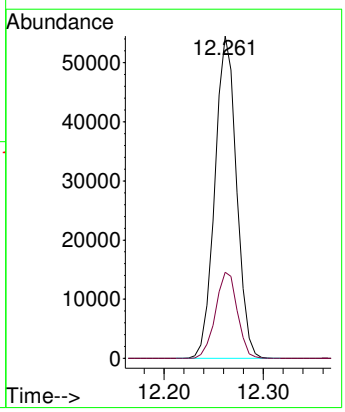


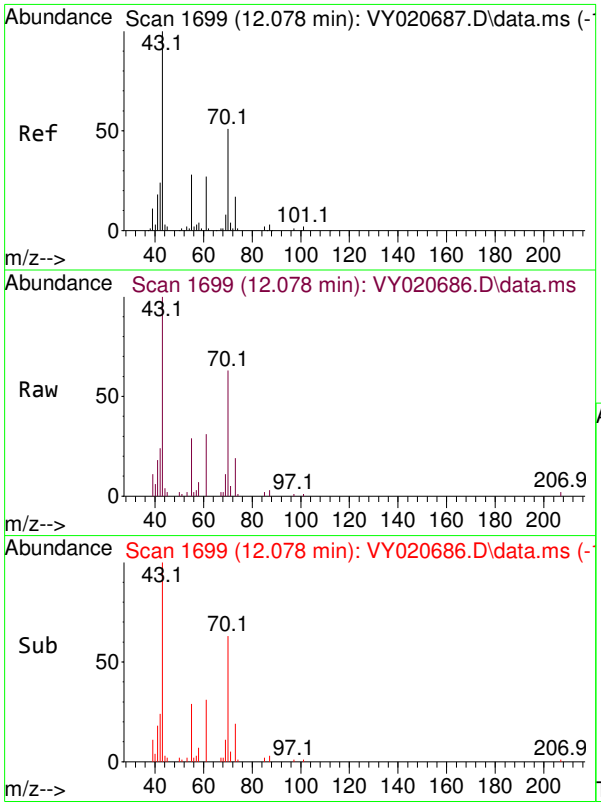
#73
Isopropylbenzene
Concen: 19.832 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 83068

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1

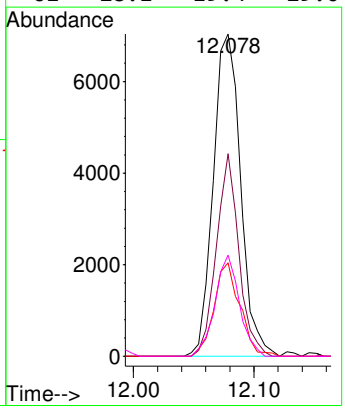


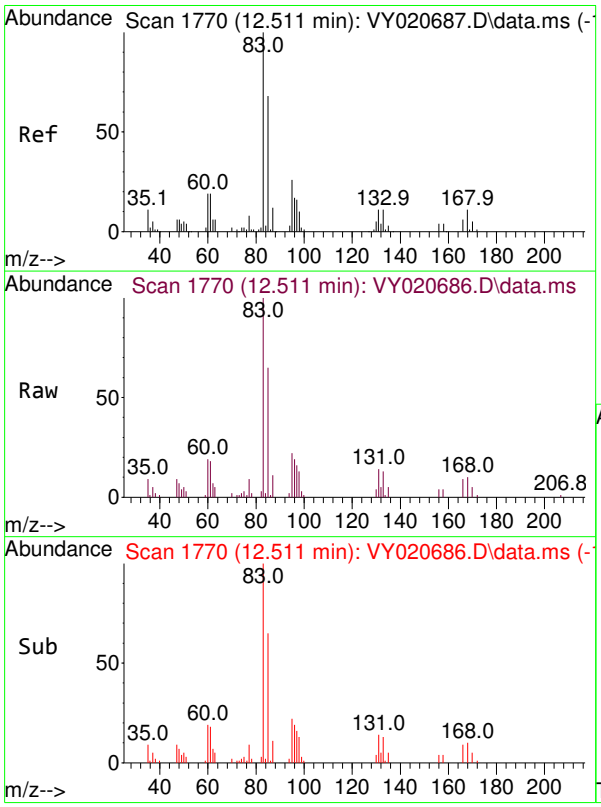


#74
N-amyl acetate
Concen: 18.802 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 11066

Ion	Ratio	Lower	Upper
43	100		
70	51.7	34.2	51.2#
55	27.6	19.6	29.4
61	28.1	19.4	29.0



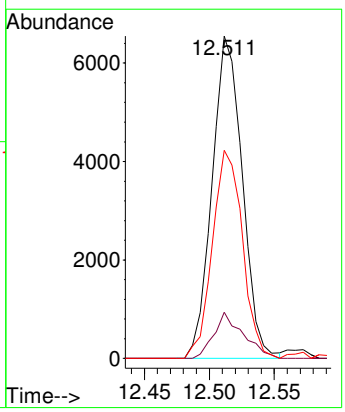


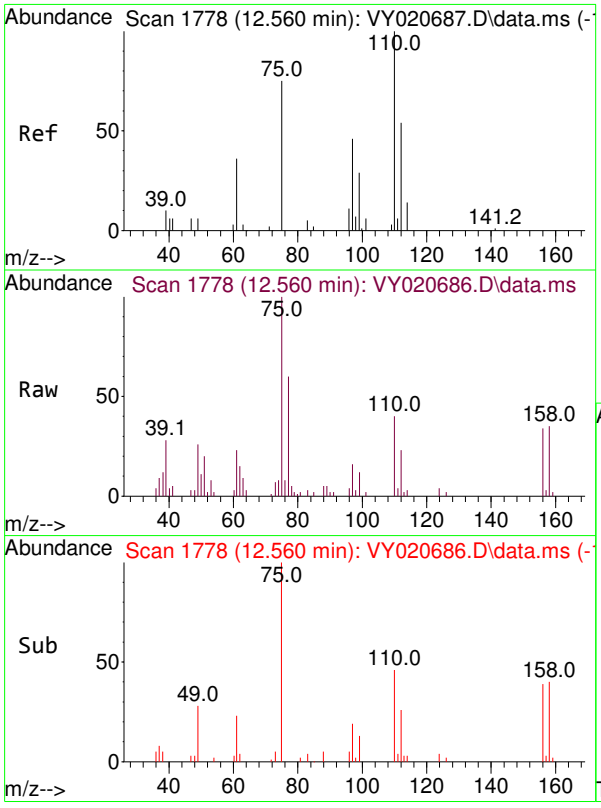
#75
1,1,2,2-Tetrachloroethane
Concen: 19.634 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 10583

Ion	Ratio	Lower	Upper
83	100		
131	13.8	5.2	15.6
85	64.3	32.5	97.4

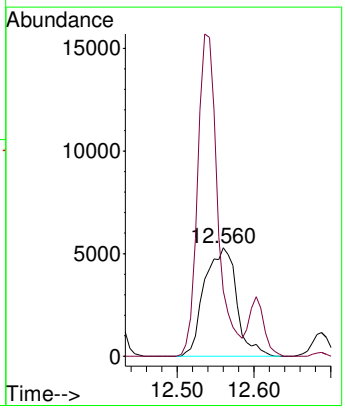


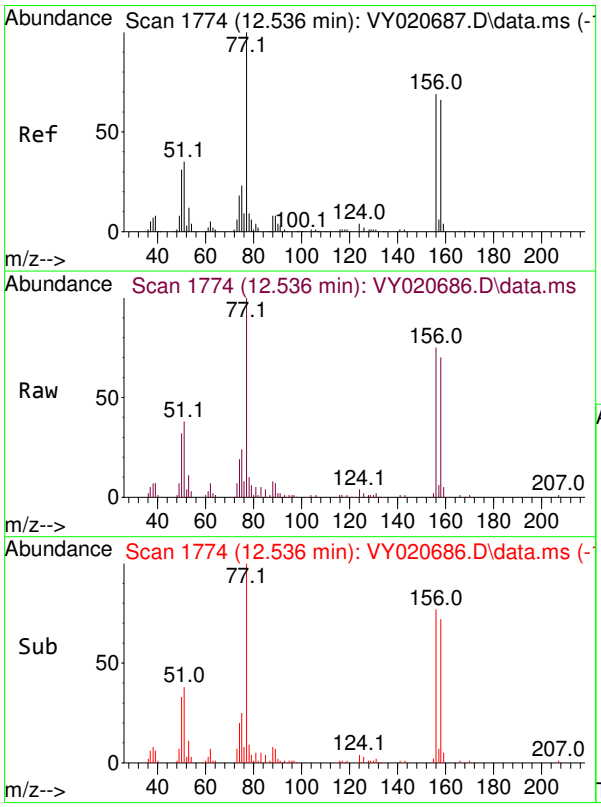


#76
1,2,3-Trichloropropane
Concen: 38.207 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 15421

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



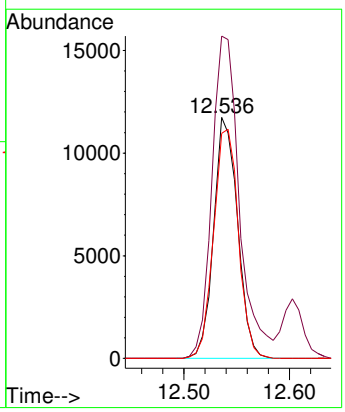


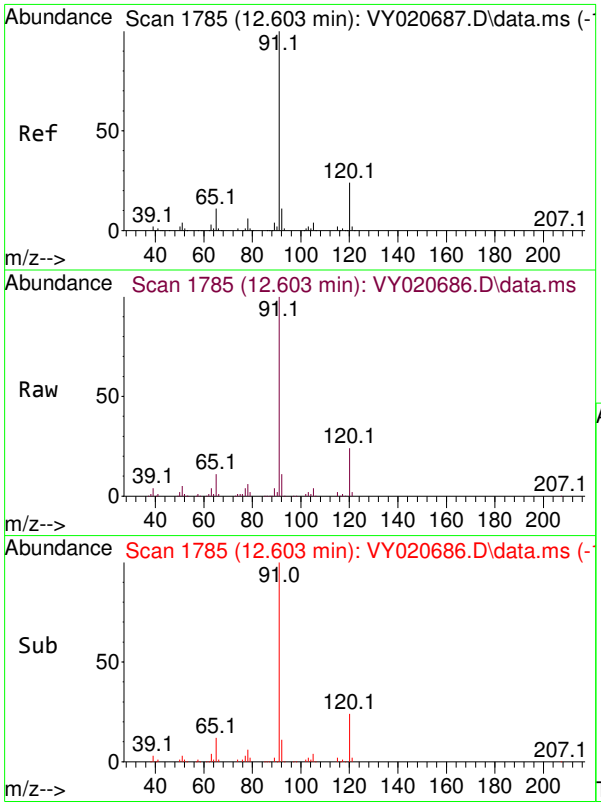
#77
Bromobenzene
Concen: 19.425 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 18528

Ion	Ratio	Lower	Upper
156	100		
77	154.0	94.2	282.4
158	98.9	48.9	146.6

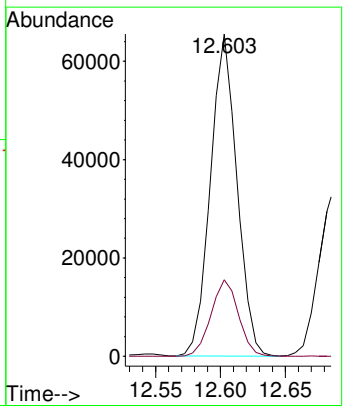


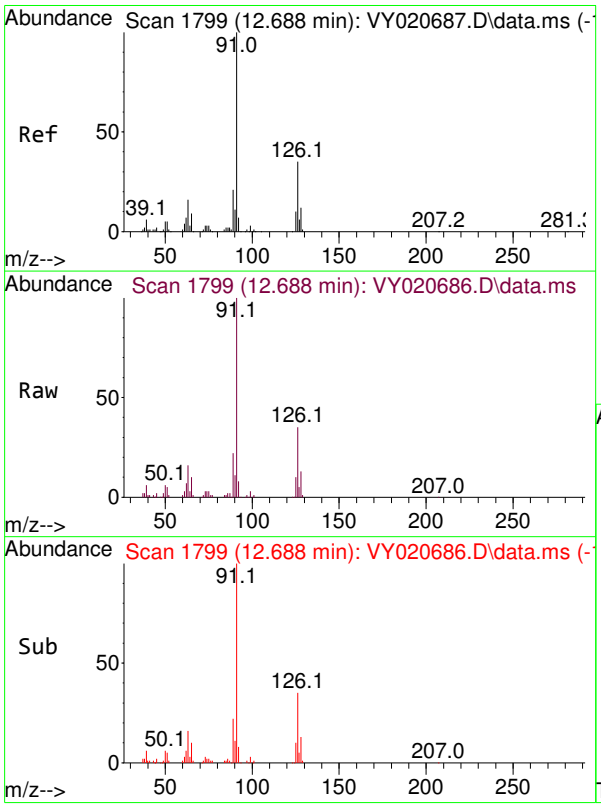


#78
n-propylbenzene
Concen: 19.749 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 93262

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1



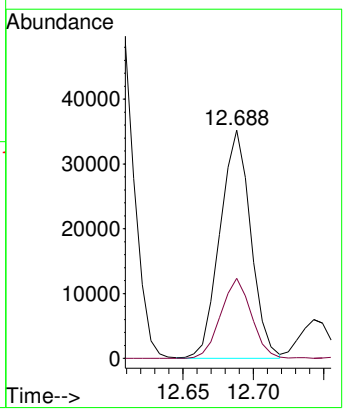


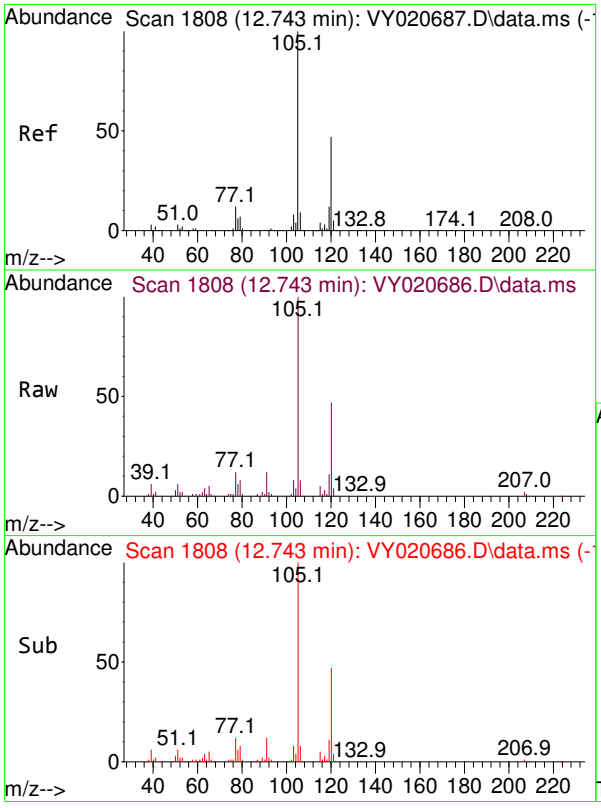
#79
2-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 53431

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.7

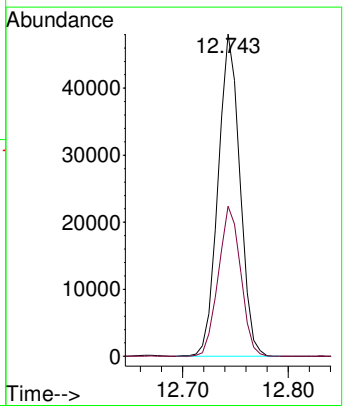


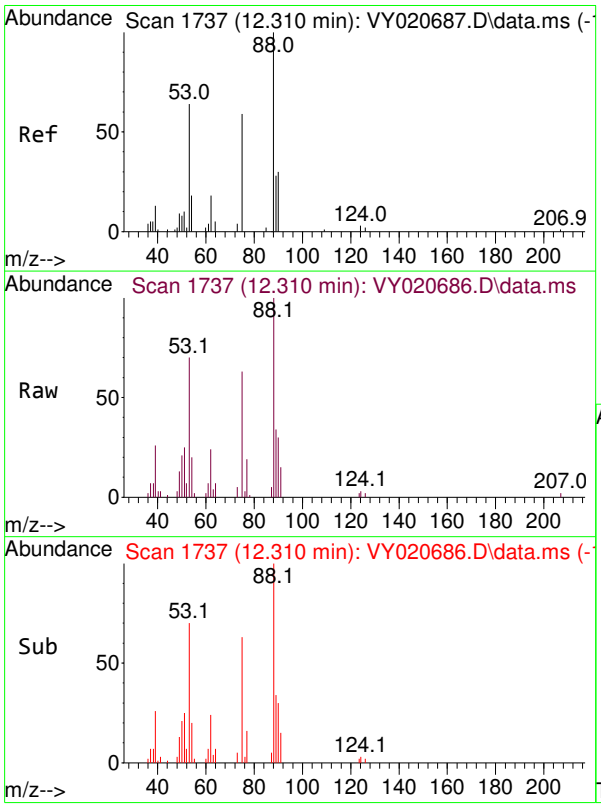


#80
1,3,5-Trimethylbenzene
Concen: 19.953 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 69321

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7



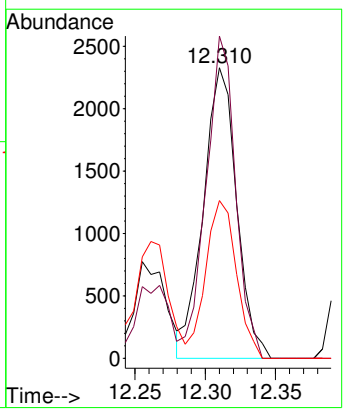


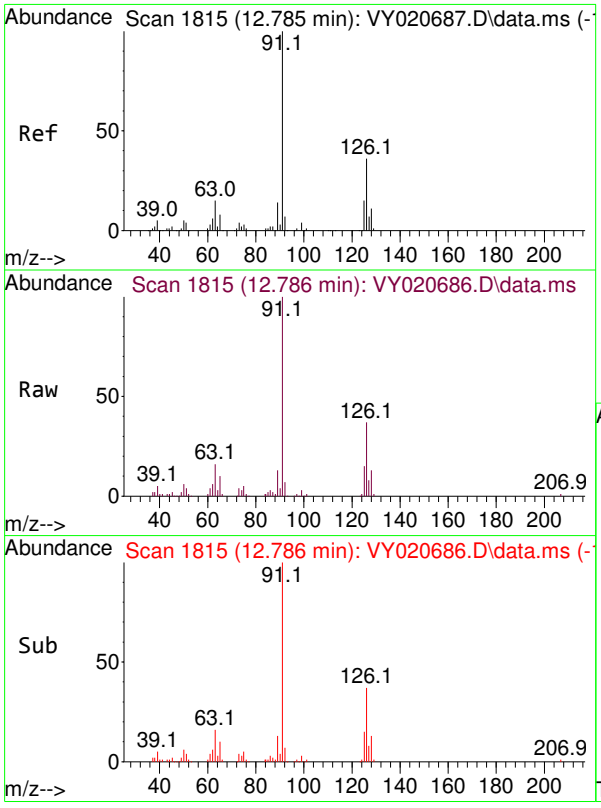
#81
trans-1,4-Dichloro-2-butene
Concen: 19.584 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 3826

Ion	Ratio	Lower	Upper
75	100		
53	98.4	75.4	113.2
89	50.2	37.0	55.4

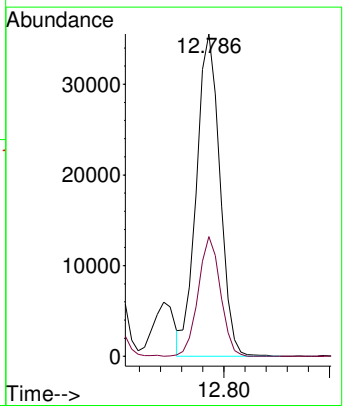


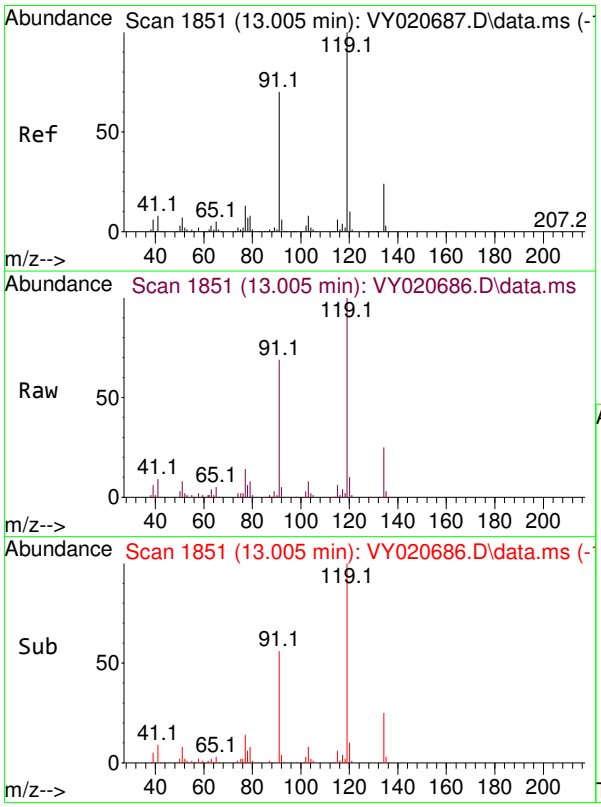


#82
4-Chlorotoluene
Concen: 20.050 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 54974

Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.6	49.7



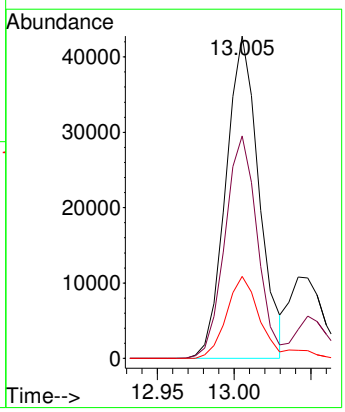


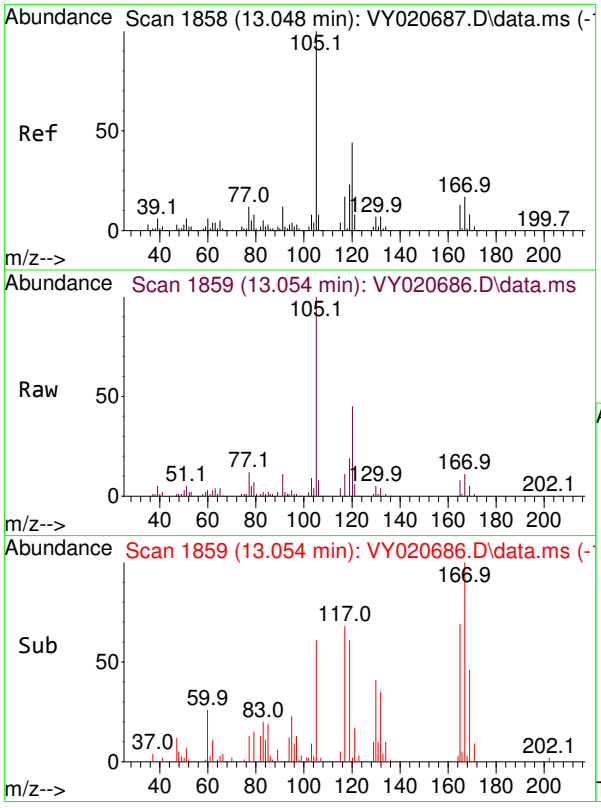
#83
tert-Butylbenzene
Concen: 19.870 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 64233

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.9	13.1	39.1

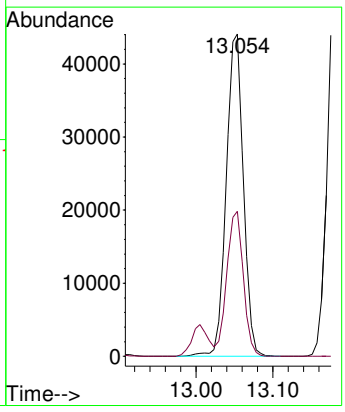


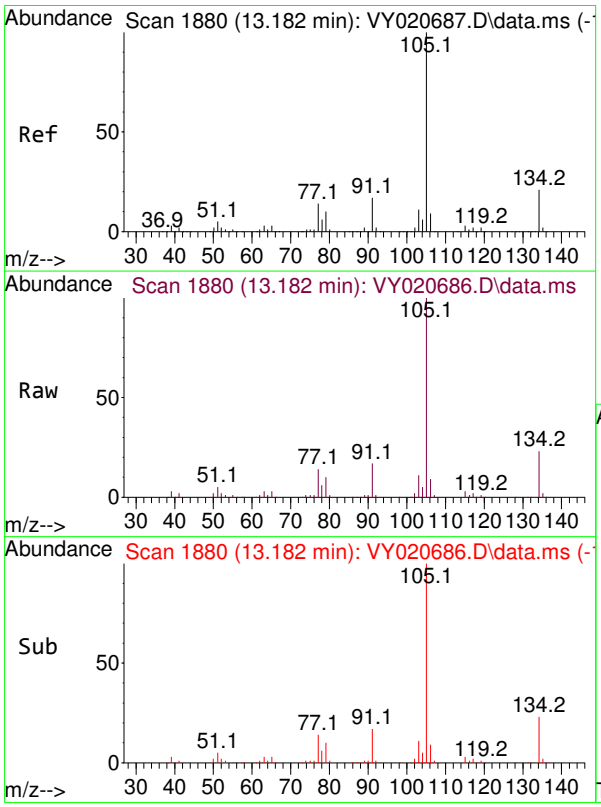


#84
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 68281

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



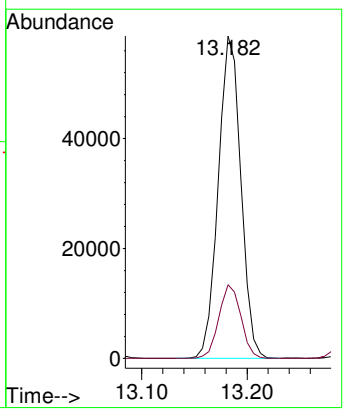


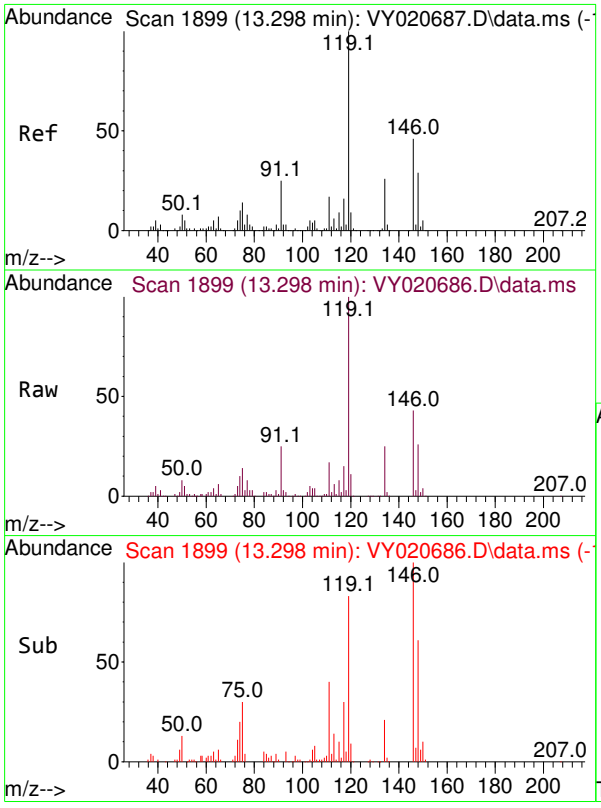
#85
sec-Butylbenzene
Concen: 20.107 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 87518

Ion	Ratio	Lower	Upper
105	100		
134	22.3	10.0	30.0

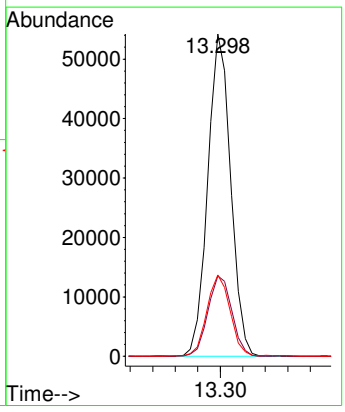


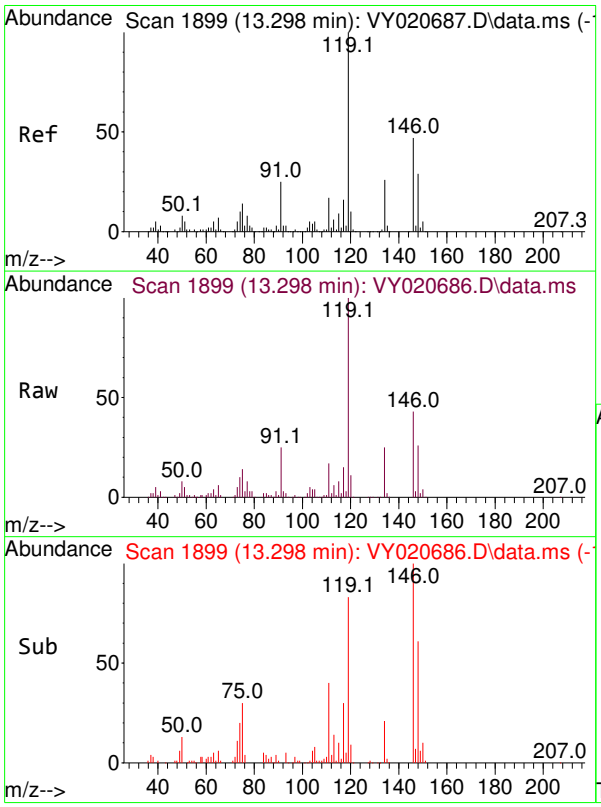


#86
p-Isopropyltoluene
Concen: 20.134 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:119 Resp: 76618

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.0	12.1	36.3



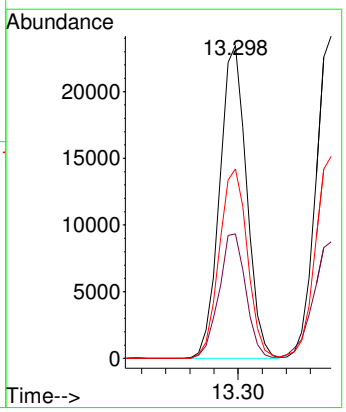


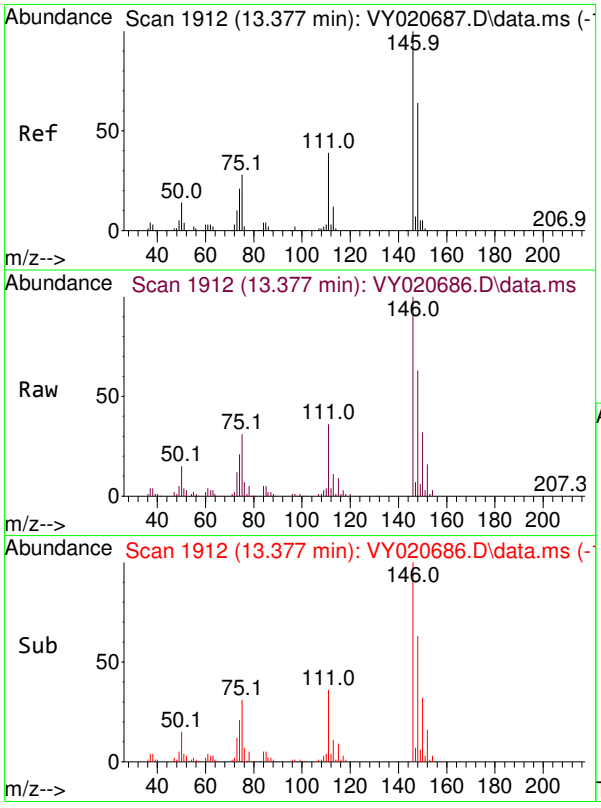
#87
1,3-Dichlorobenzene
Concen: 19.614 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 36344

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.8
148	63.2	31.4	94.0

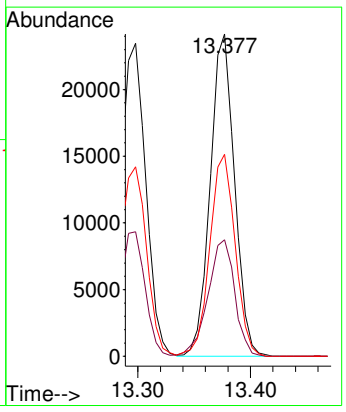


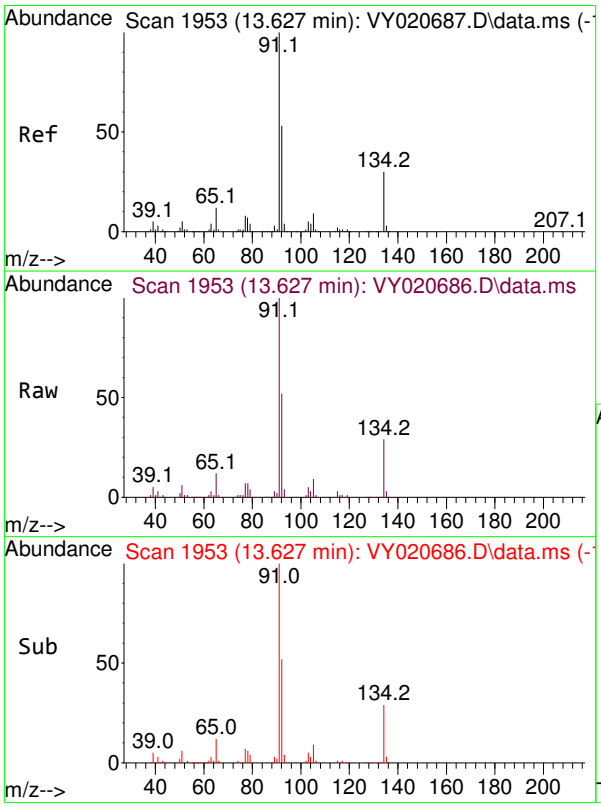


#88
1,4-Dichlorobenzene
Concen: 19.987 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:146 Resp: 36284

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	65.3	31.9	95.5



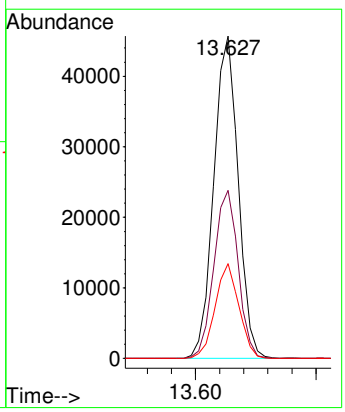


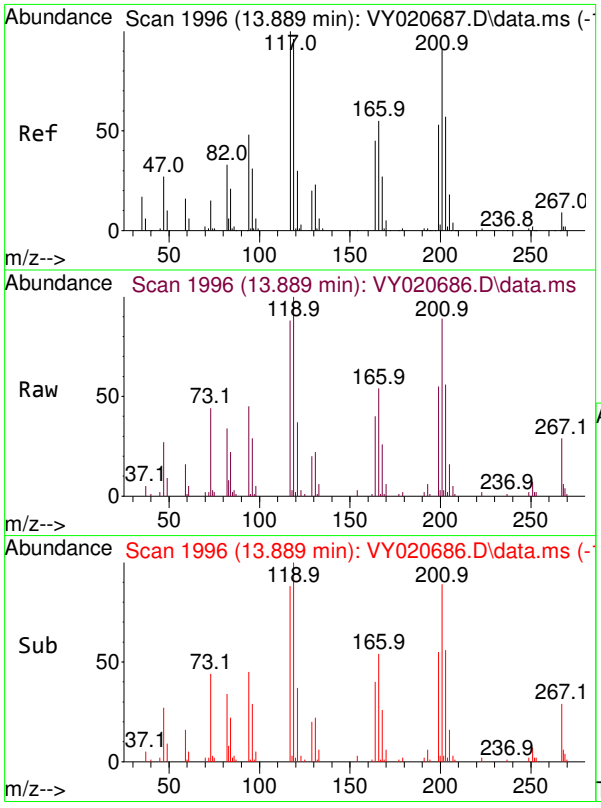
#89
n-Butylbenzene
Concen: 19.990 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 64084

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	28.7	12.5	37.5

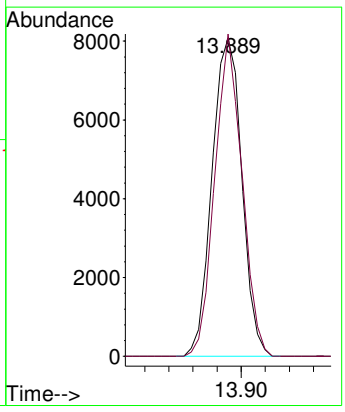


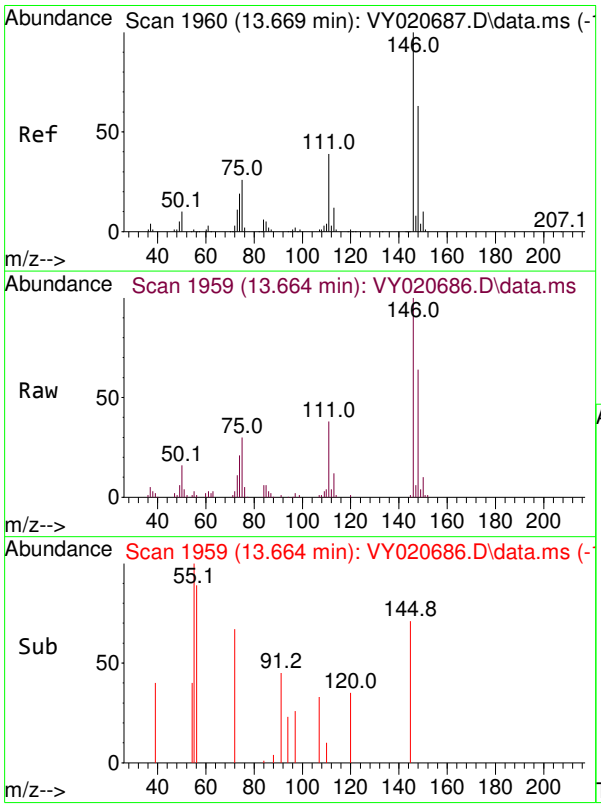


#90
Hexachloroethane
Concen: 19.146 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 13822

Ion	Ratio	Lower	Upper
117	100		
201	92.2	39.1	117.3



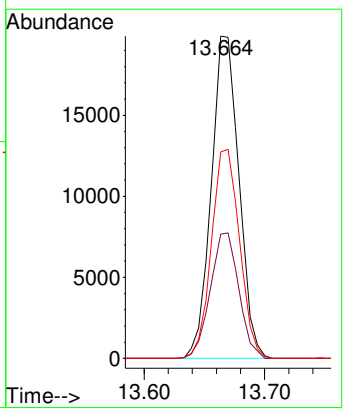


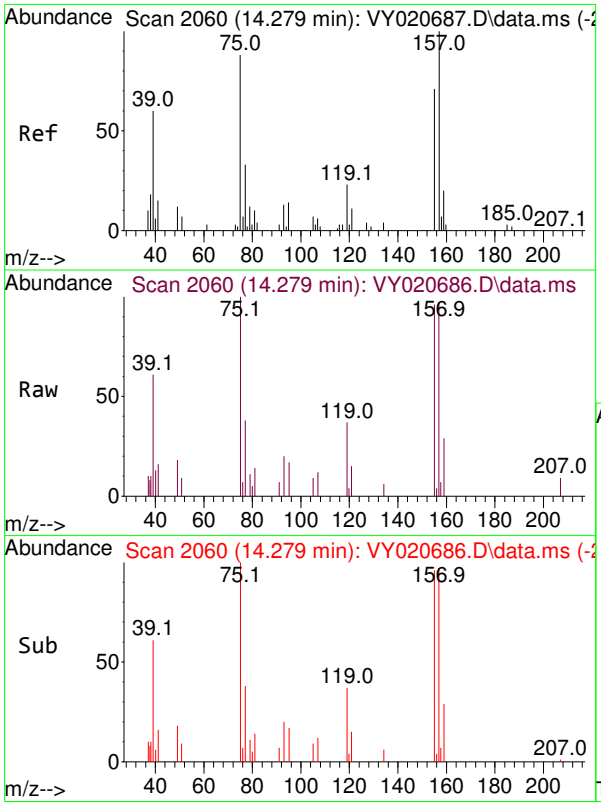
#91
1,2-Dichlorobenzene
Concen: 19.915 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 31668

Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	63.7
148	65.8	32.0	96.0

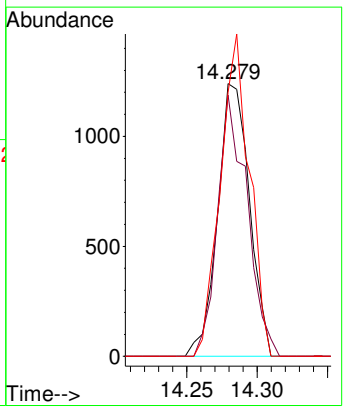


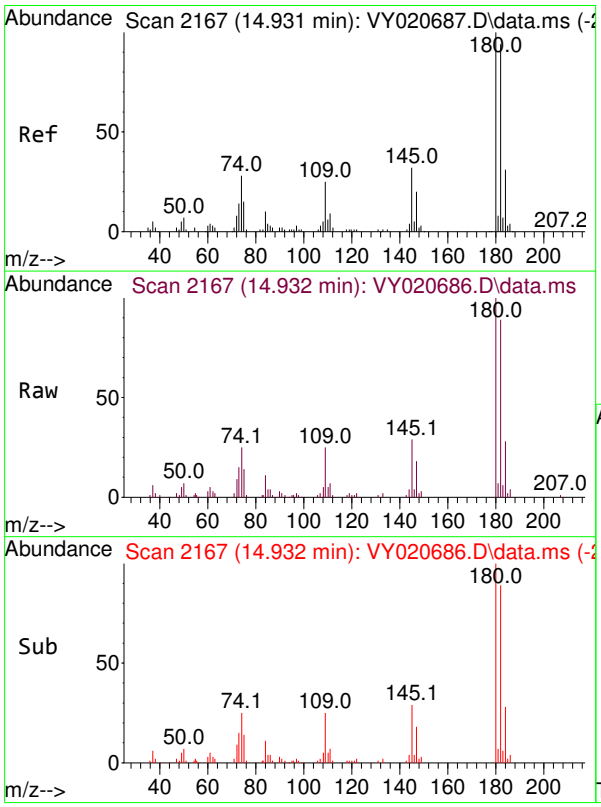


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.947 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 1946

Ion	Ratio	Lower	Upper
75	100		
155	88.9	41.1	123.3
157	108.1	52.9	158.8



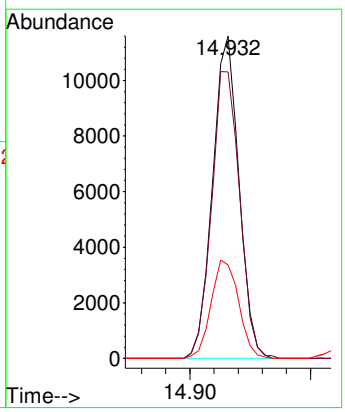


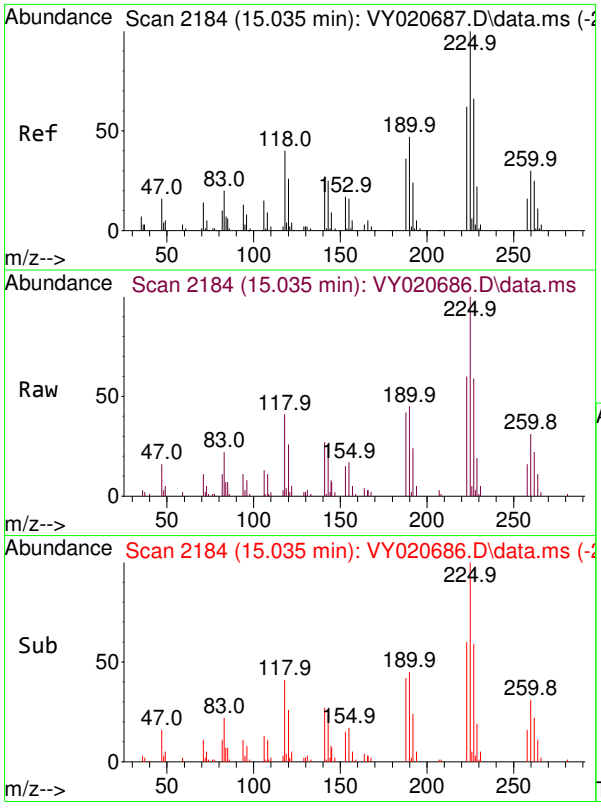
#93
1,2,4-Trichlorobenzene
Concen: 18.593 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 17553

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	32.0	15.6	46.7

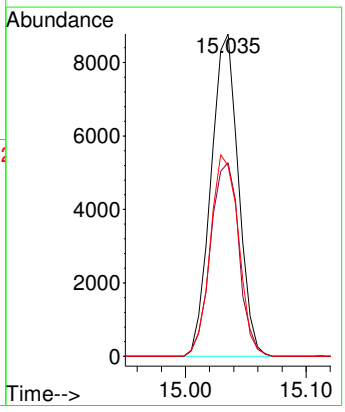


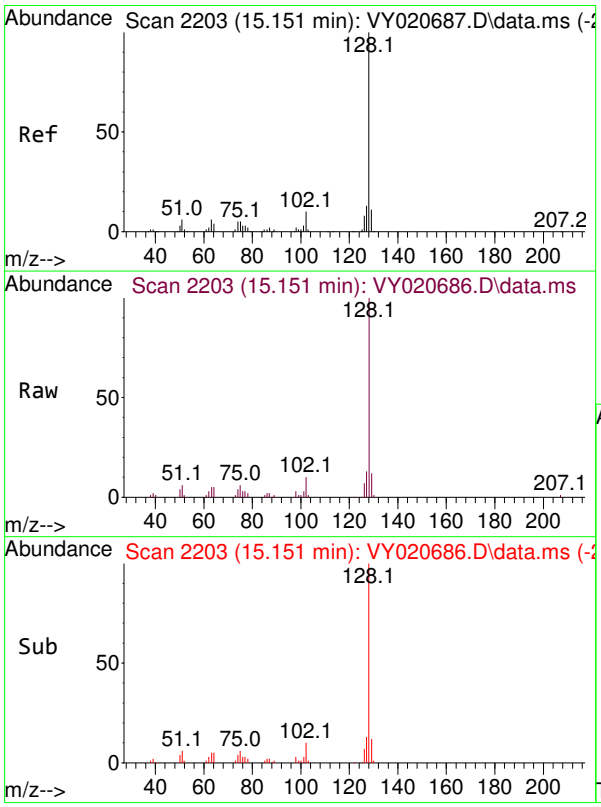


#94
Hexachlorobutadiene
Concen: 19.644 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:225 Resp: 13808

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	64.6	32.2	96.6



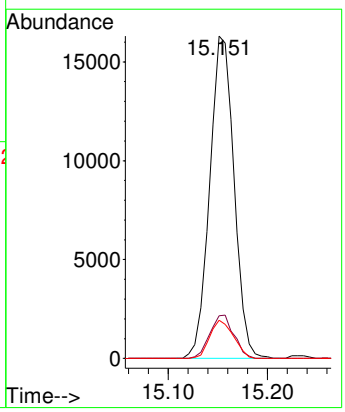


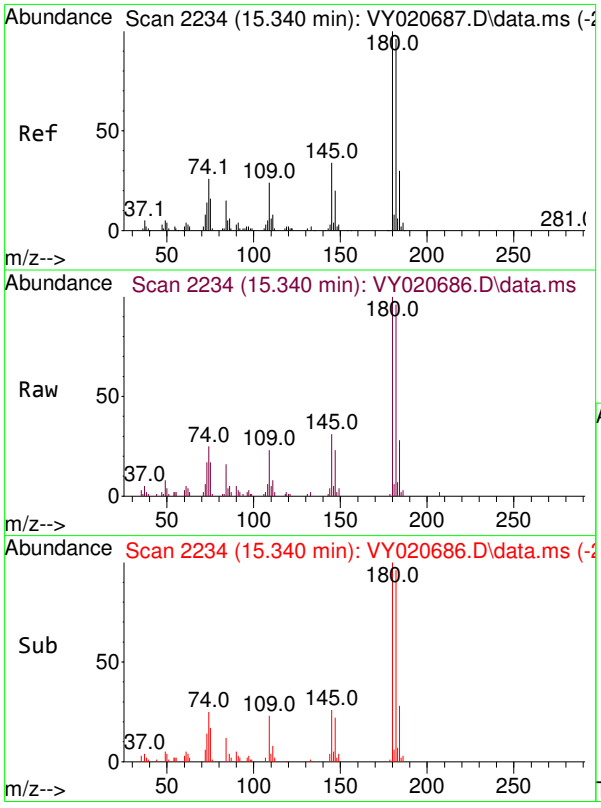
#95
Naphthalene
Concen: 18.322 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 27861

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.5	8.5	12.7

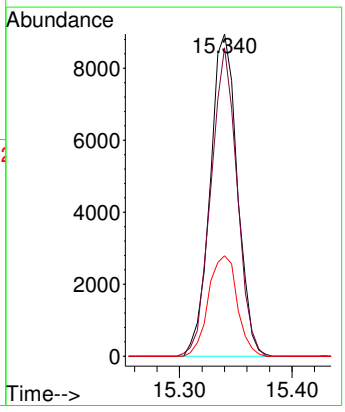




#96
1,2,3-Trichlorobenzene
Concen: 18.952 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:180 Resp: 14958

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	33.1	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	103299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	146320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	121625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	61580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	14842	16.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	32.440%#		
35) Dibromofluoromethane	7.652	113	14605	16.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	34.000%#		
50) Toluene-d8	10.115	98	47674	15.278	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	30.560%#		
62) 4-Bromofluorobenzene	12.414	95	19827	17.457	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	16059	20.179	ug/l	96
3) Chloromethane	2.080	50	6255	19.293	ug/l	99
4) Vinyl Chloride	2.214	62	7606	19.242	ug/l	91
5) Bromomethane	2.605	94	5068	18.157	ug/l	92
6) Chloroethane	2.751	64	4676	19.463	ug/l	96
7) Trichlorofluoromethane	3.074	101	27711	19.494	ug/l	93
8) Diethyl Ether	3.464	74	6435	18.913	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.842	101	15658	20.172	ug/l	95
10) Methyl Iodide	4.025	142	17327	19.377	ug/l	90
11) Tert butyl alcohol	4.872	59	7042	96.153	ug/l #	75
12) 1,1-Dichloroethene	3.812	96	13008	18.882	ug/l	94
13) Acrolein	3.671	56	2407	136.768	ug/l	99
14) Allyl chloride	4.409	41	16079	19.903	ug/l #	77
15) Acrylonitrile	5.074	53	12017	95.818	ug/l	98
16) Acetone	3.891	43	9729	93.103	ug/l	94
17) Carbon Disulfide	4.129	76	31760	18.491	ug/l	100
18) Methyl Acetate	4.403	43	5057	18.705	ug/l #	80
19) Methyl tert-butyl Ether	5.135	73	37356	19.935	ug/l #	88
20) Methylene Chloride	4.641	84	13114	18.833	ug/l	88
21) trans-1,2-Dichloroethene	5.141	96	14461	19.467	ug/l	85
22) Diisopropyl ether	6.037	45	32675	19.784	ug/l #	81
23) Vinyl Acetate	5.976	43	96326	98.495	ug/l #	88
24) 1,1-Dichloroethane	5.939	63	24684	20.049	ug/l	98
25) 2-Butanone	6.921	43	13772	93.819	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	29975	19.460	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	17272	19.522	ug/l	93
28) Bromochloromethane	7.262	49	5831	18.304	ug/l #	60
29) Tetrahydrofuran	7.274	42	8223	95.307	ug/l #	71
30) Chloroform	7.439	83	31119	19.229	ug/l	99
31) Cyclohexane	7.720	56	20675	19.152	ug/l #	75
32) 1,1,1-Trichloroethane	7.634	97	33427	19.771	ug/l	97
36) 1,1-Dichloropropene	7.848	75	20597	19.723	ug/l	96
37) Ethyl Acetate	7.000	43	6954	20.375	ug/l #	95
38) Carbon Tetrachloride	7.829	117	32873	19.452	ug/l	99
39) Methylcyclohexane	9.116	83	25219	18.999	ug/l	92
40) Benzene	8.091	78	59071	19.607	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.274	41	9311	48.203	ug/l	#	31
42) 1,2-Dichloroethane	8.177	62	18941	19.768	ug/l		96
43) Isopropyl Acetate	8.207	43	13839	19.509	ug/l	#	84
44) Trichloroethene	8.878	130	17982	20.111	ug/l		89
45) 1,2-Dichloropropane	9.152	63	12024	20.313	ug/l		100
46) Dibromomethane	9.244	93	8071	19.751	ug/l		93
47) Bromodichloromethane	9.433	83	22921	19.773	ug/l		98
48) Methyl methacrylate	9.231	41	6476	19.258	ug/l	#	81
49) 1,4-Dioxane	9.244	88	1500	357.918	ug/l		91
51) 4-Methyl-2-Pentanone	10.006	43	33865	95.570	ug/l		93
52) Toluene	10.176	92	40575	19.777	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	20438	19.925	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	22589	19.986	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	10314	19.493	ug/l		93
56) Ethyl methacrylate	10.445	69	12869	19.067	ug/l		90
57) 1,3-Dichloropropane	10.725	76	17032	19.692	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	23853	94.571	ug/l	#	80
59) 2-Hexanone	10.768	43	21478	95.158	ug/l		94
60) Dibromochloromethane	10.920	129	16794	19.880	ug/l		100
61) 1,2-Dibromoethane	11.024	107	9810	19.777	ug/l		98
64) Tetrachloroethene	10.652	164	16119	19.955	ug/l		96
65) Chlorobenzene	11.451	112	44944	19.775	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.524	131	17535	19.757	ug/l		95
67) Ethyl Benzene	11.524	91	81152	19.902	ug/l		100
68) m/p-Xylenes	11.640	106	62622	40.273	ug/l		100
69) o-Xylene	11.963	106	29146	19.954	ug/l		99
70) Styrene	11.975	104	49613	20.194	ug/l		99
71) Bromoform	12.139	173	10096	19.860	ug/l	#	97
73) Isopropylbenzene	12.261	105	83068	19.832	ug/l		98
74) N-amyl acetate	12.078	43	11066	18.802	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	10583	19.634	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	15421	38.207	ug/l	#	100
77) Bromobenzene	12.536	156	18528	19.425	ug/l		84
78) n-propylbenzene	12.603	91	93262	19.749	ug/l		95
79) 2-Chlorotoluene	12.688	91	53431	19.875	ug/l		97
80) 1,3,5-Trimethylbenzene	12.743	105	69321	19.953	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	3826	19.584	ug/l		95
82) 4-Chlorotoluene	12.786	91	54974	20.050	ug/l		96
83) tert-Butylbenzene	13.005	119	64233	19.870	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	68281	20.119	ug/l		100
85) sec-Butylbenzene	13.182	105	87518	20.107	ug/l		95
86) p-Isopropyltoluene	13.298	119	76618	20.134	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	36344	19.614	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	36284	19.987	ug/l		98
89) n-Butylbenzene	13.627	91	64084	19.990	ug/l		96
90) Hexachloroethane	13.889	117	13822	19.146	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	31668	19.915	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1946	18.947	ug/l		96
93) 1,2,4-Trichlorobenzene	14.932	180	17553	18.593	ug/l		99
94) Hexachlorobutadiene	15.035	225	13808	19.644	ug/l		99
95) Naphthalene	15.151	128	27861	18.322	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	14958	18.952	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

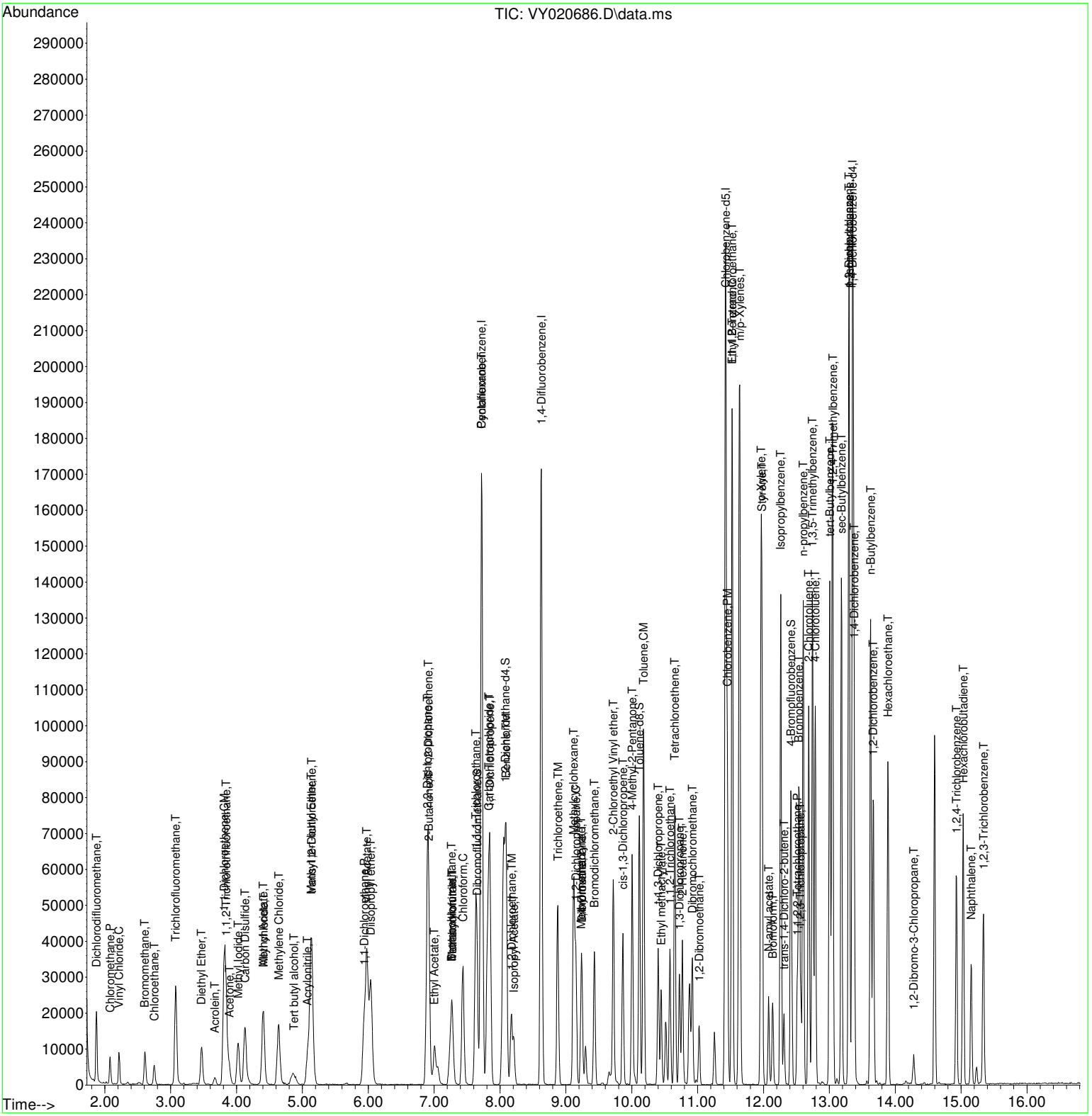
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

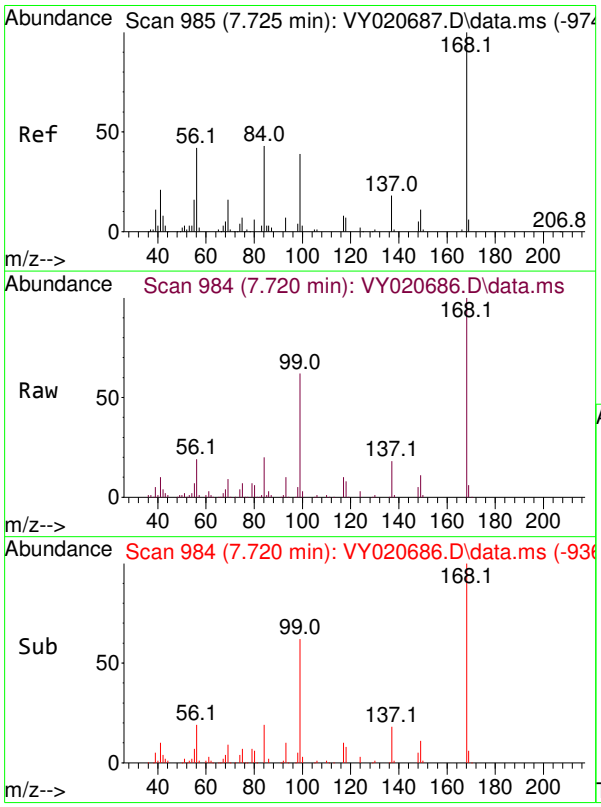
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020686.D
Acq On : 23 Dec 2024 12:16
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 23 13:46:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration



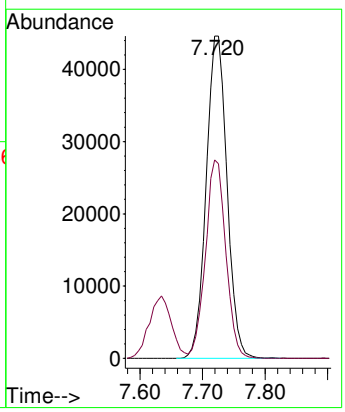


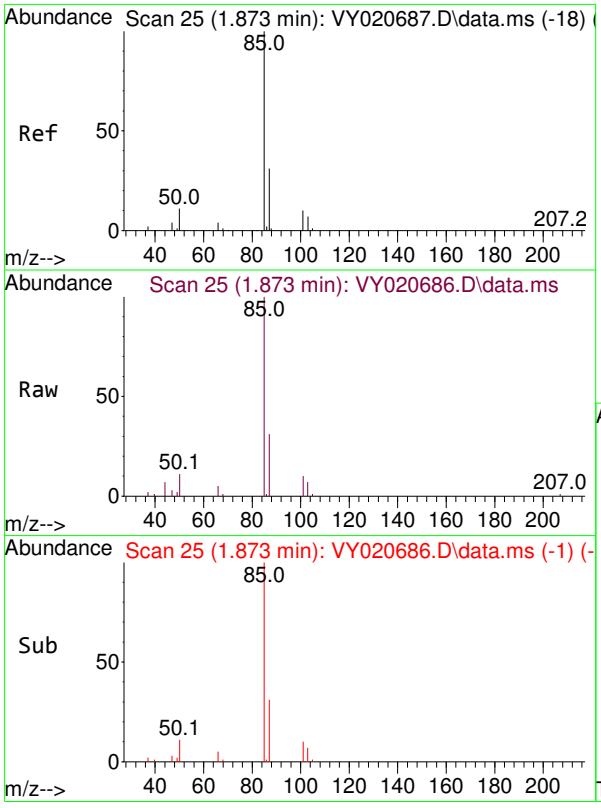
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 103299

Ion	Ratio	Lower	Upper
168	100		
99	61.6	47.0	70.6

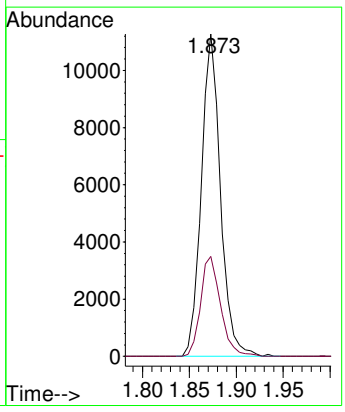


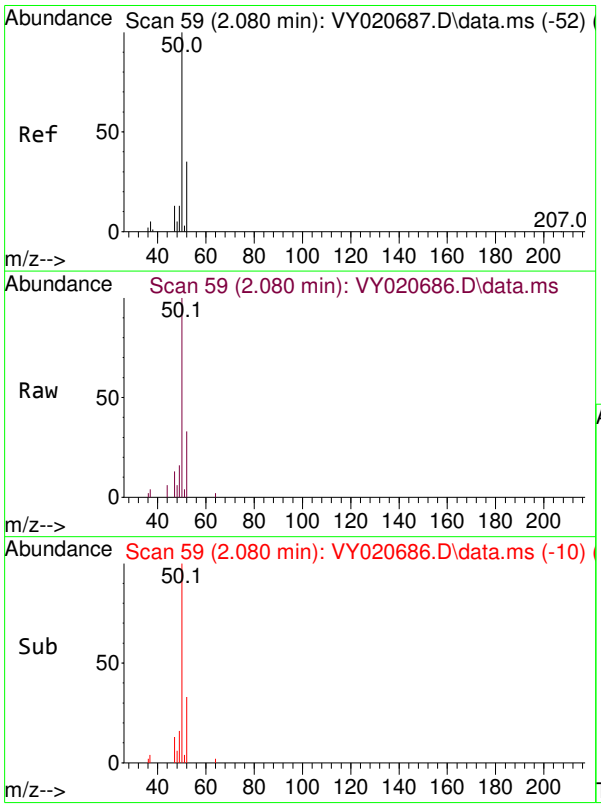


#2
Dichlorodifluoromethane
Concen: 20.179 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 85 Resp: 16059

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.8	50.3



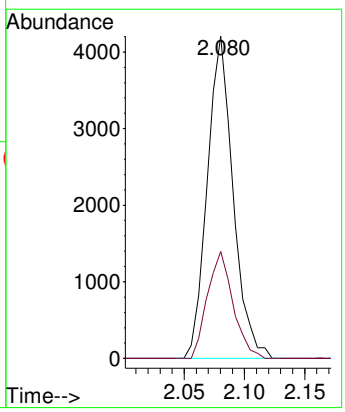


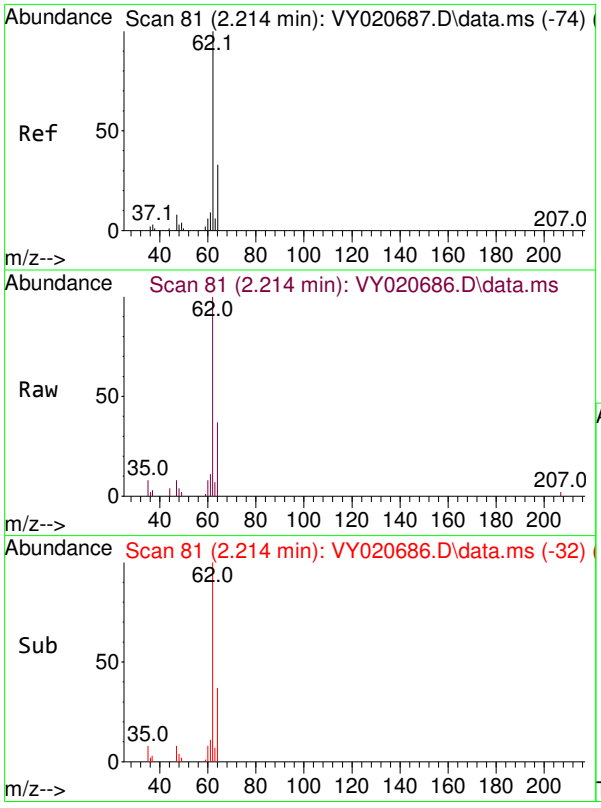
#3
Chloromethane
Concen: 19.293 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 6255

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2

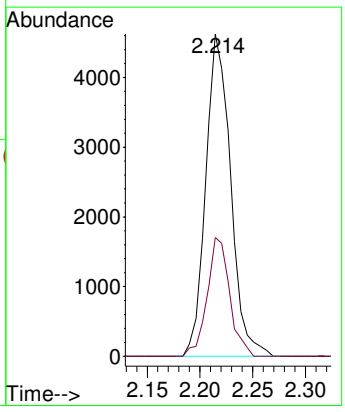


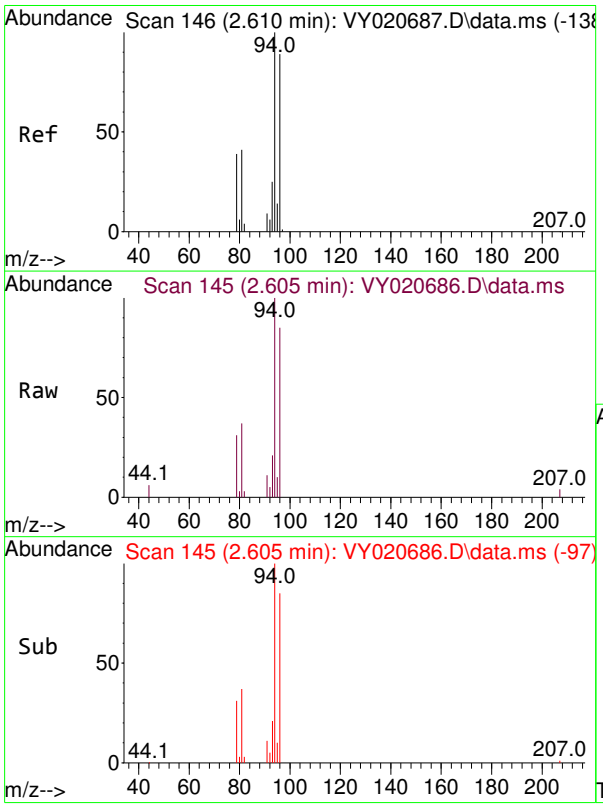


#4
Vinyl Chloride
Concen: 19.242 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 7606

Ion	Ratio	Lower	Upper
62	100		
64	36.8	25.3	37.9



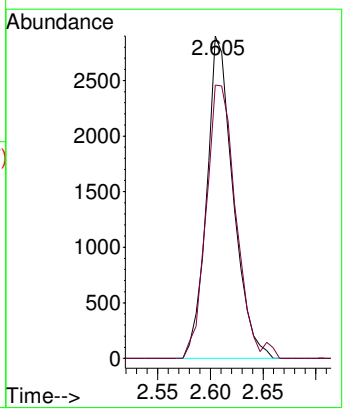


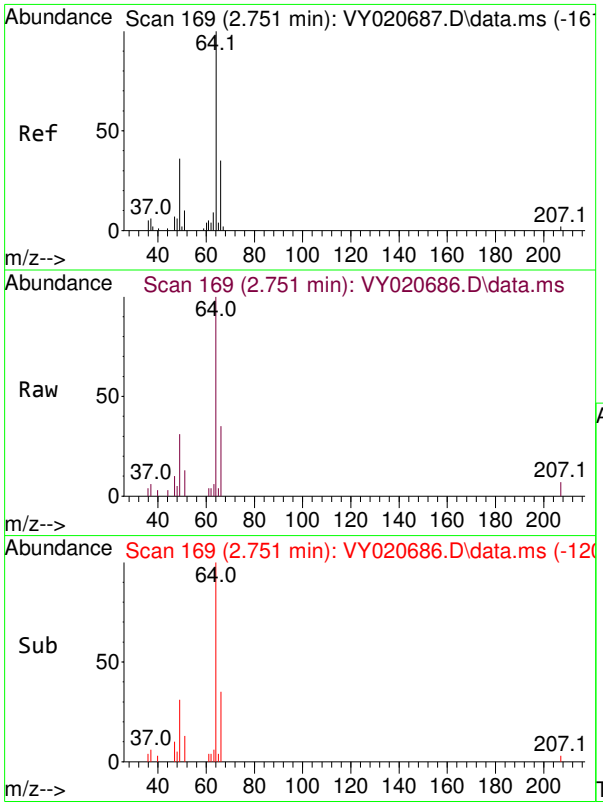
#5
Bromomethane
Concen: 18.157 ug/l
RT: 2.605 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 5068

Ion	Ratio	Lower	Upper
94	100		
96	84.8	73.8	110.6

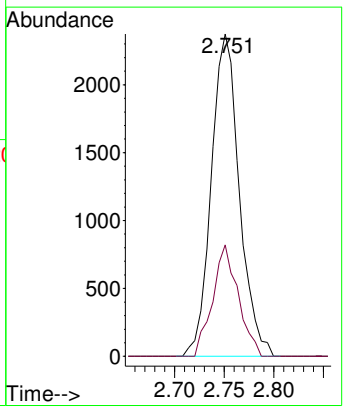


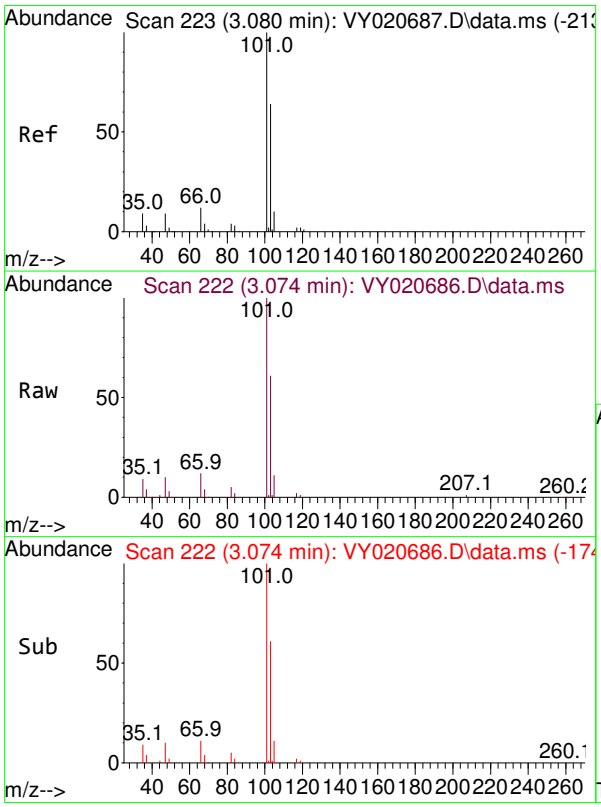


#6
Chloroethane
Concen: 19.463 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 64 Resp: 4676

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.8	38.6



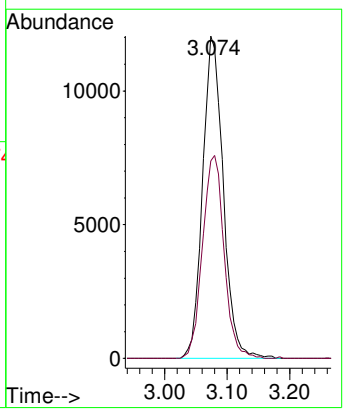


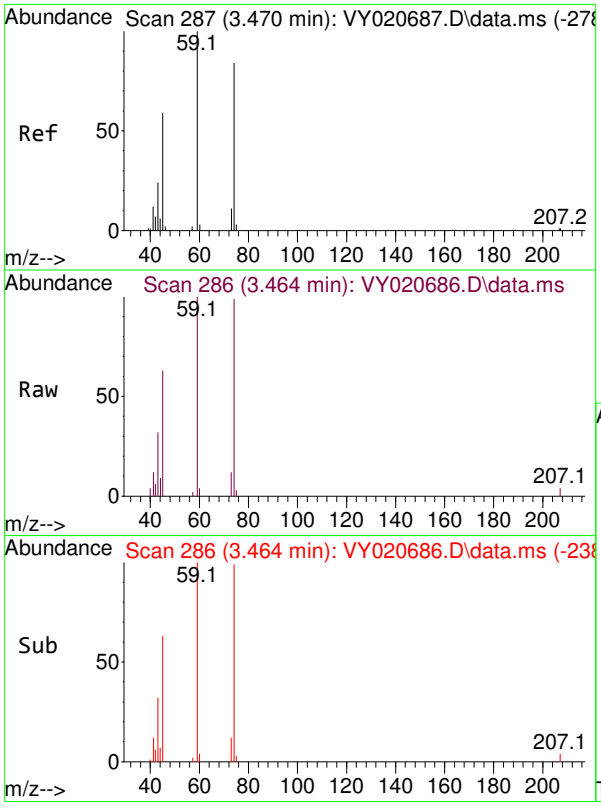
#7
Trichlorofluoromethane
Concen: 19.494 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 27711

Ion	Ratio	Lower	Upper
101	100		
103	61.3	53.4	80.0

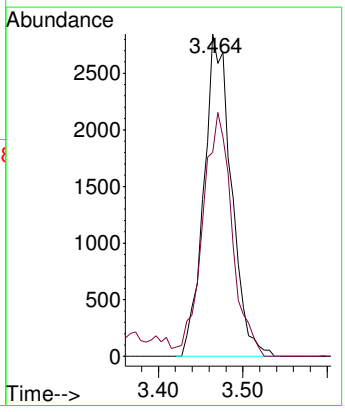


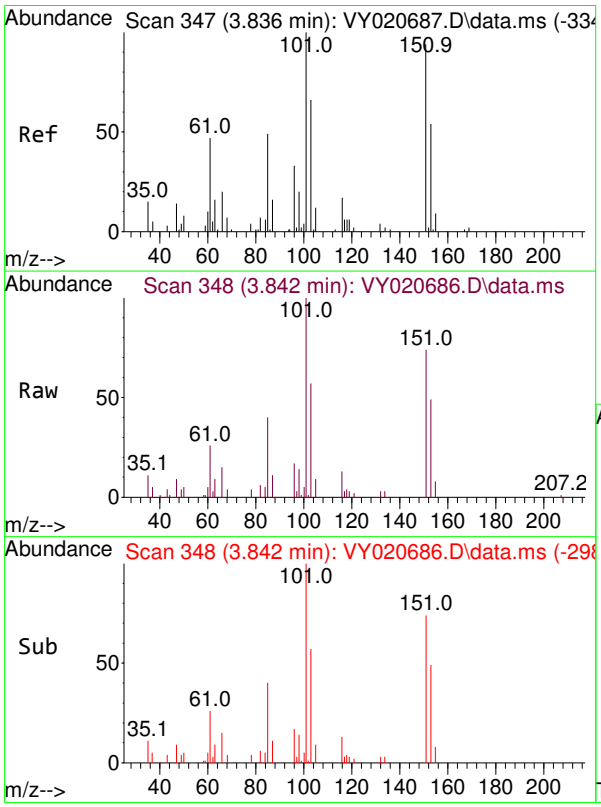


#8
Diethyl Ether
Concen: 18.913 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 74 Resp: 6435

Ion	Ratio	Lower	Upper
74	100		
45	81.5	49.0	147.2



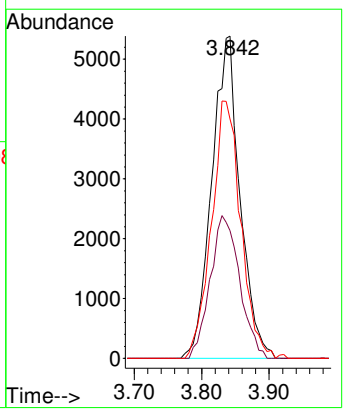


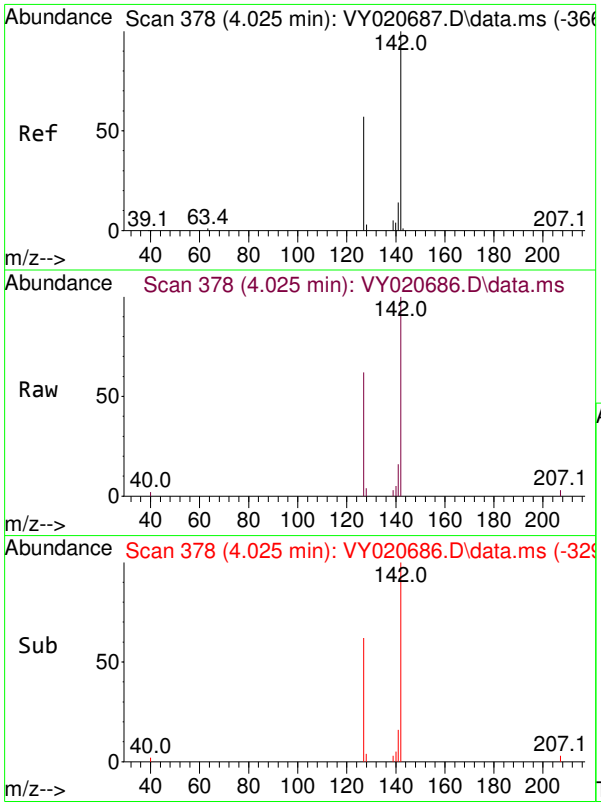
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.172 ug/l
RT: 3.842 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 15658

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.6	54.8
151	82.8	61.5	92.3

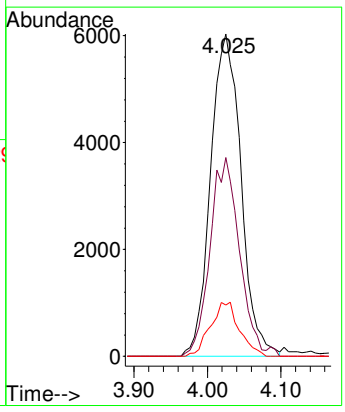


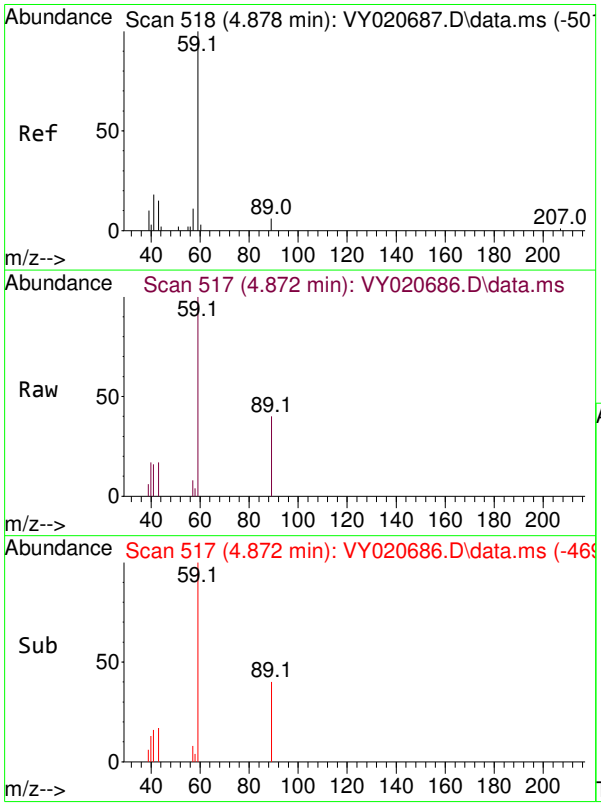


#10
Methyl Iodide
Concen: 19.377 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:142 Resp: 17327

Ion	Ratio	Lower	Upper
142	100		
127	59.2	40.6	61.0
141	16.0	11.7	17.5



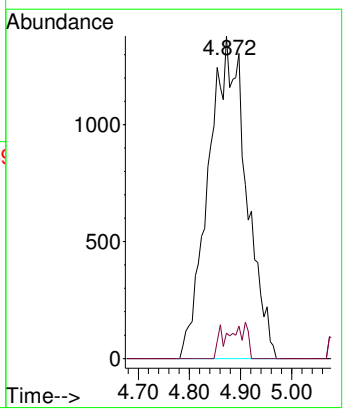


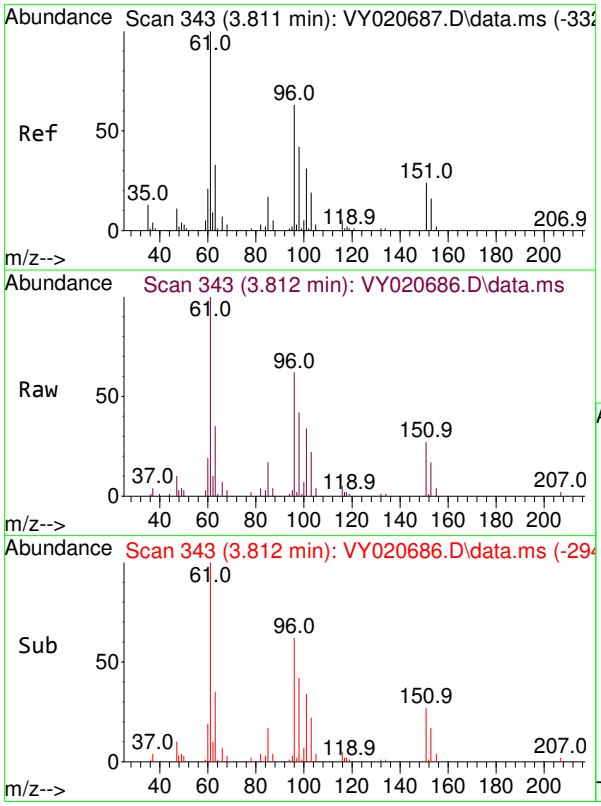
#11
Tert butyl alcohol
Concen: 96.153 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 7042

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#

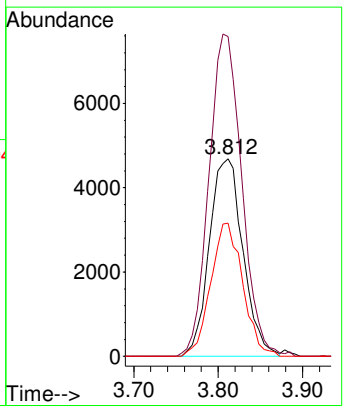


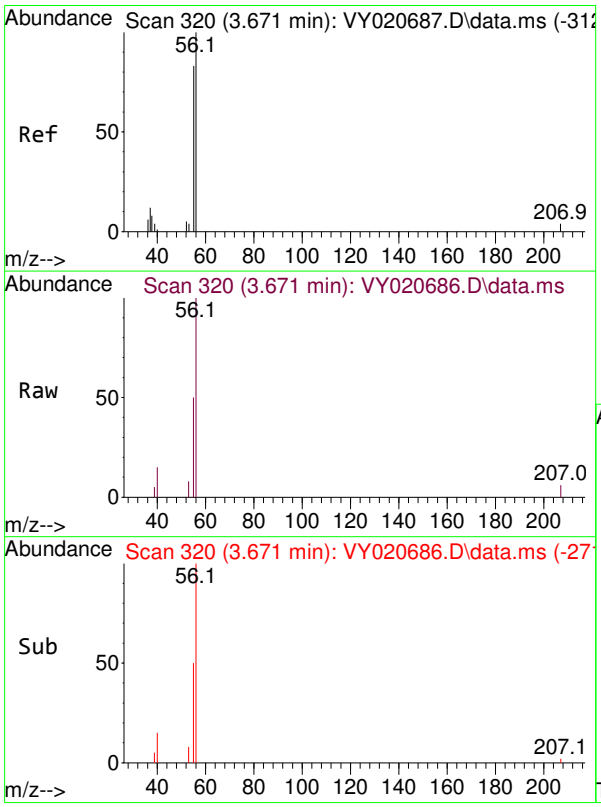


#12
1,1-Dichloroethene
Concen: 18.882 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 96 Resp: 13008

Ion	Ratio	Lower	Upper
96	100		
61	162.1	136.9	205.3
98	67.5	50.2	75.4



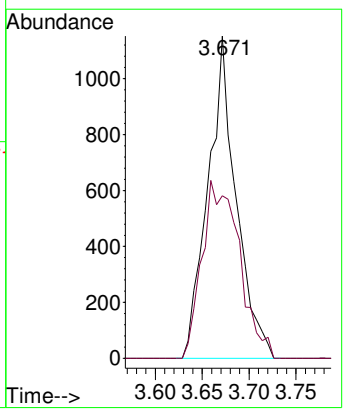


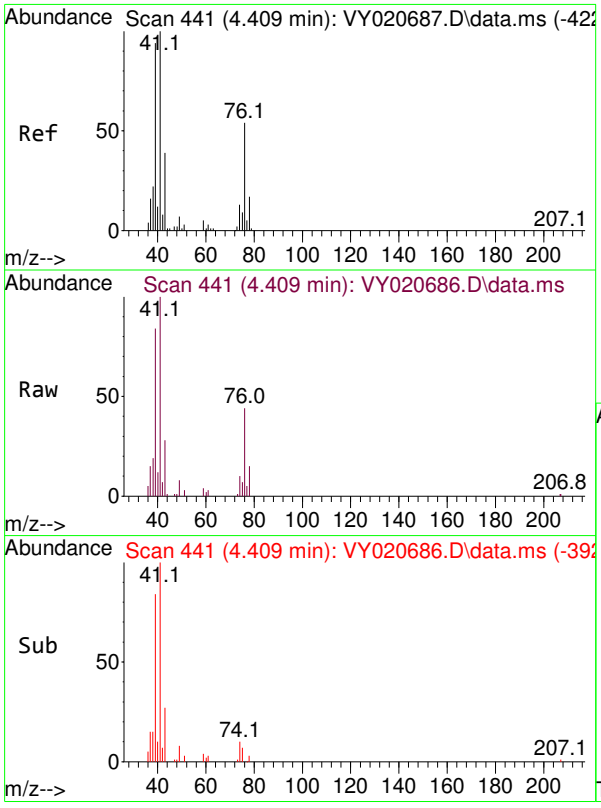
#13
Acrolein
Concen: 136.768 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 2407

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.5	86.3

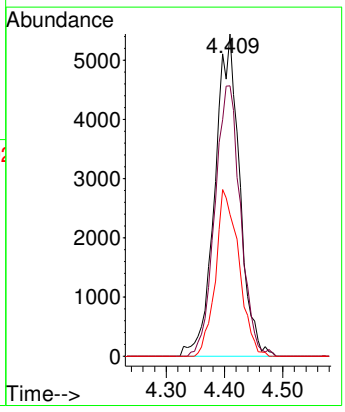


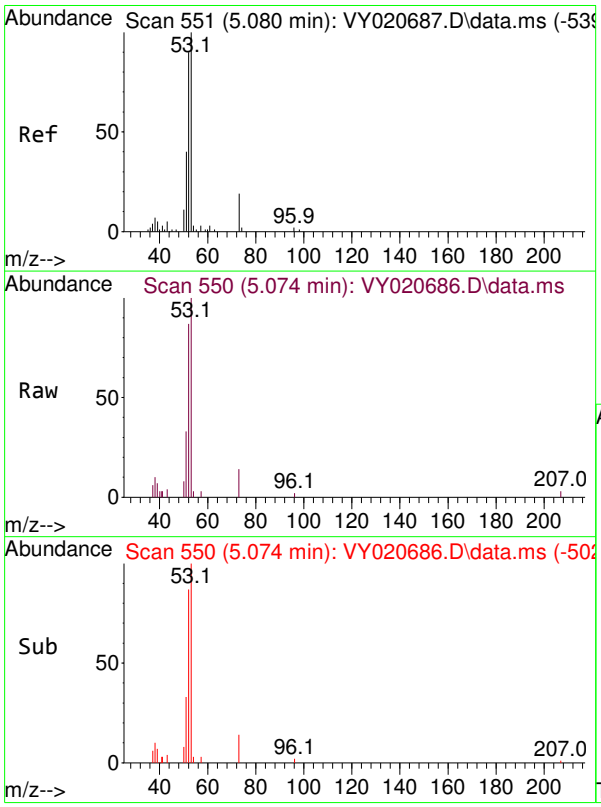


#14
Allyl chloride
Concen: 19.903 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 16079

Ion	Ratio	Lower	Upper
41	100		
39	86.5	53.0	79.4#
76	48.6	29.5	44.3#



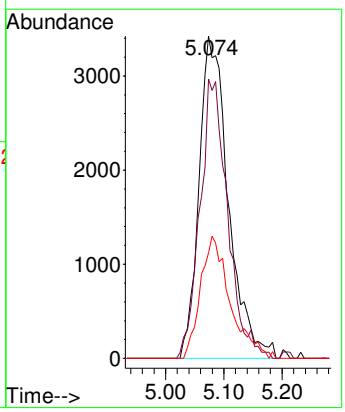


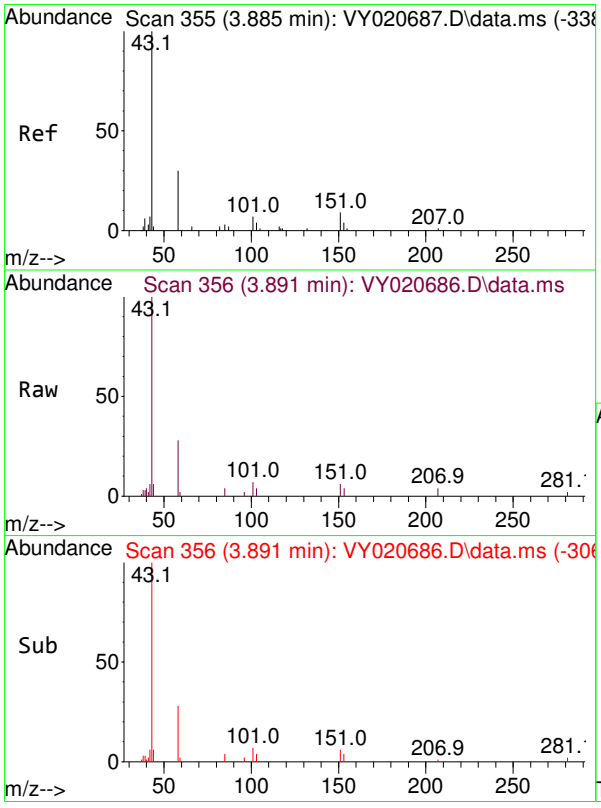
#15
Acrylonitrile
Concen: 95.818 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 12017

Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.5	96.7
51	38.4	29.4	44.0

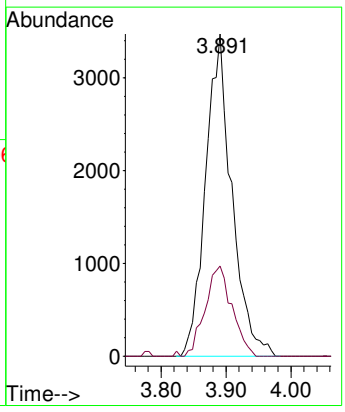


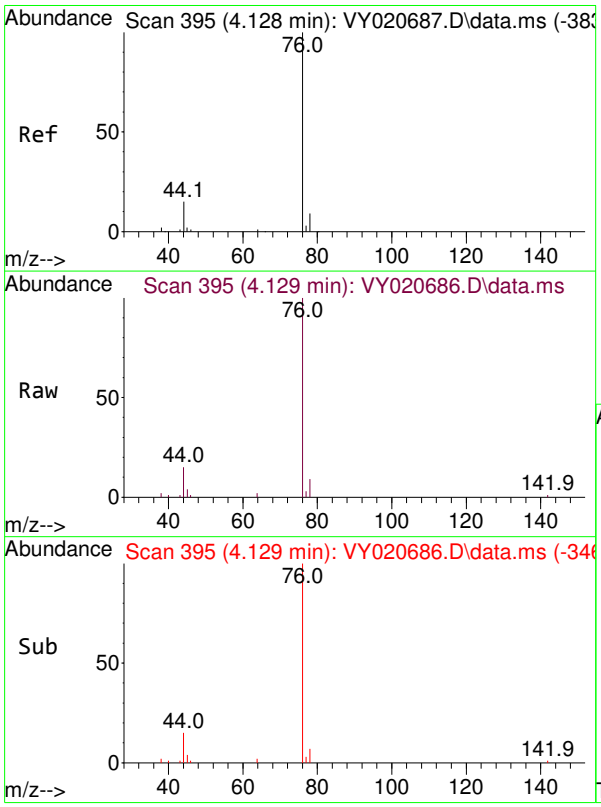


#16
Acetone
Concen: 93.103 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 9729

Ion	Ratio	Lower	Upper
43	100		
58	28.0	25.0	37.6



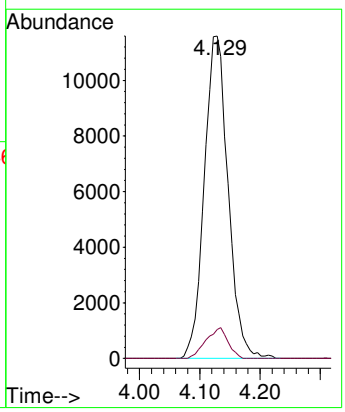


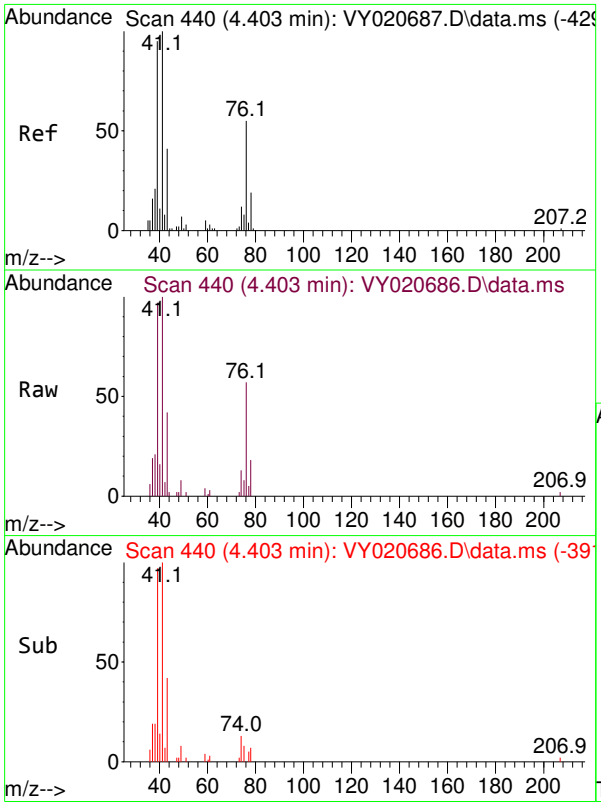
#17
Carbon Disulfide
Concen: 18.491 ug/l
RT: 4.129 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 31760

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

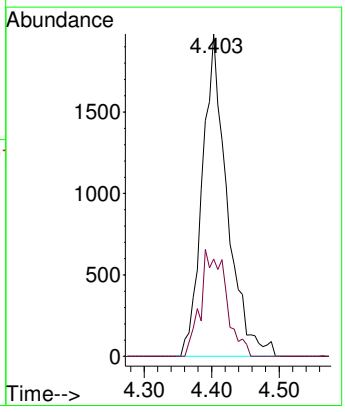


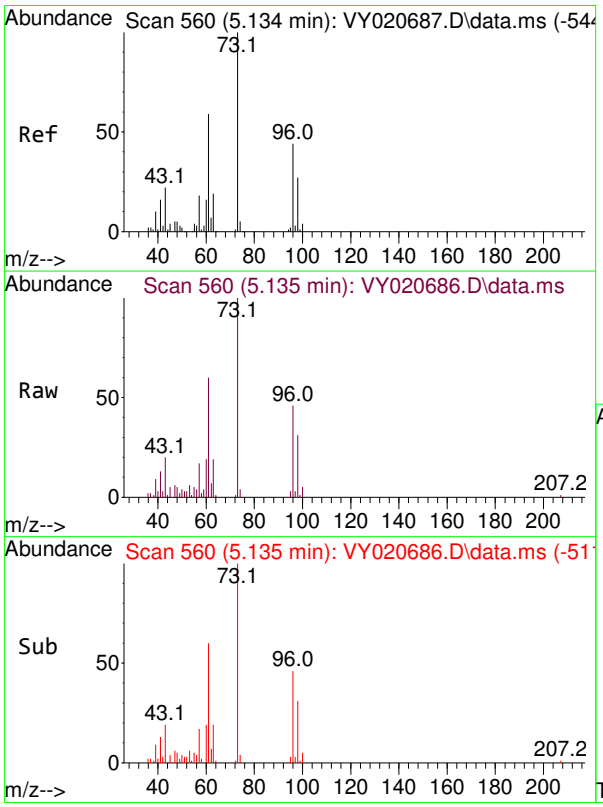


#18
Methyl Acetate
Concen: 18.705 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 5057

Ion	Ratio	Lower	Upper
43	100		
74	34.0	19.2	28.8#



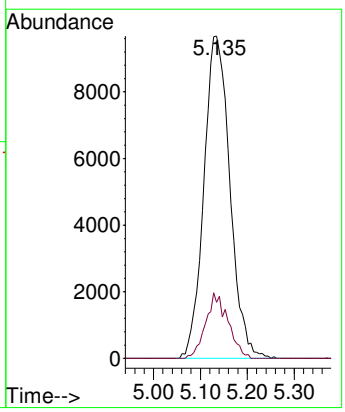


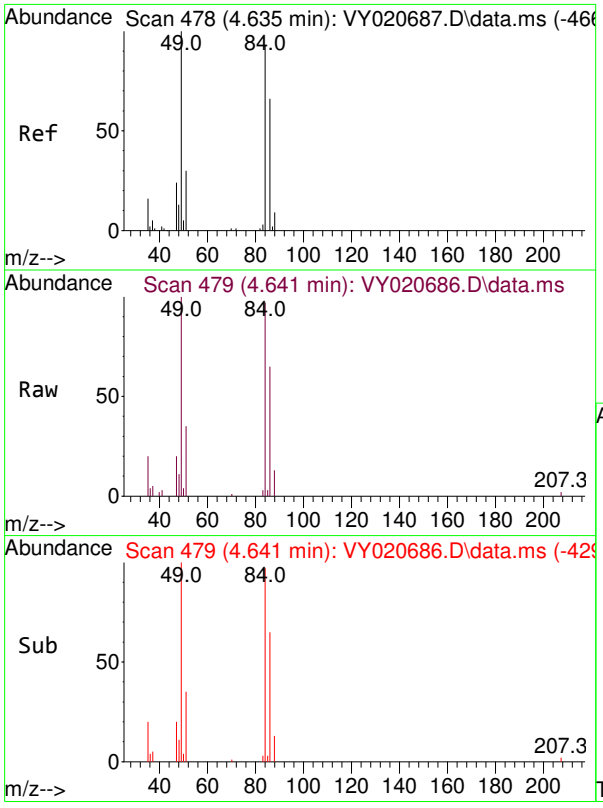
#19
Methyl tert-butyl Ether
Concen: 19.935 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 37356

Ion	Ratio	Lower	Upper
73	100		
57	17.4	18.5	27.7#

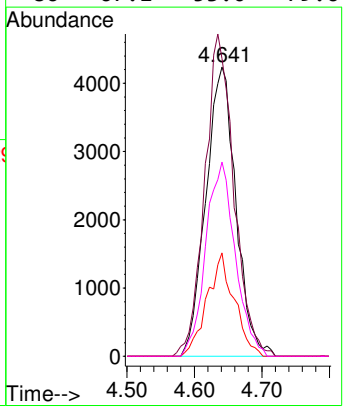


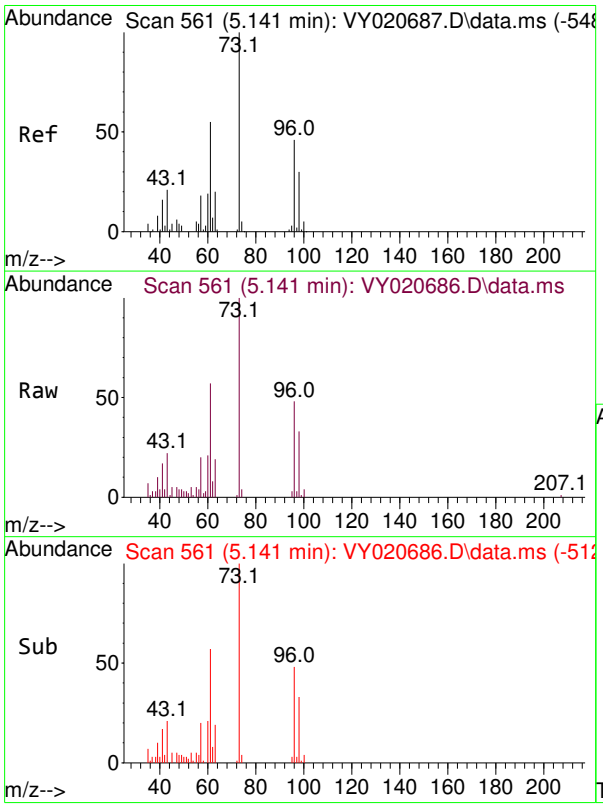


#20
Methylene Chloride
Concen: 18.833 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 84 Resp: 13114

Ion	Ratio	Lower	Upper
84	100		
49	102.9	100.7	151.1
51	35.7	32.2	48.2
86	67.1	53.0	79.6



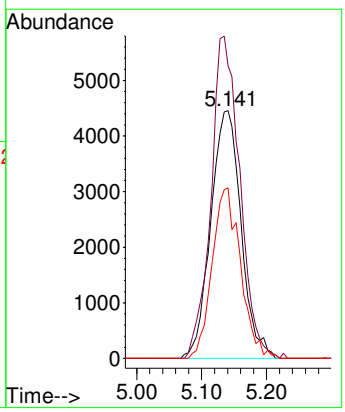


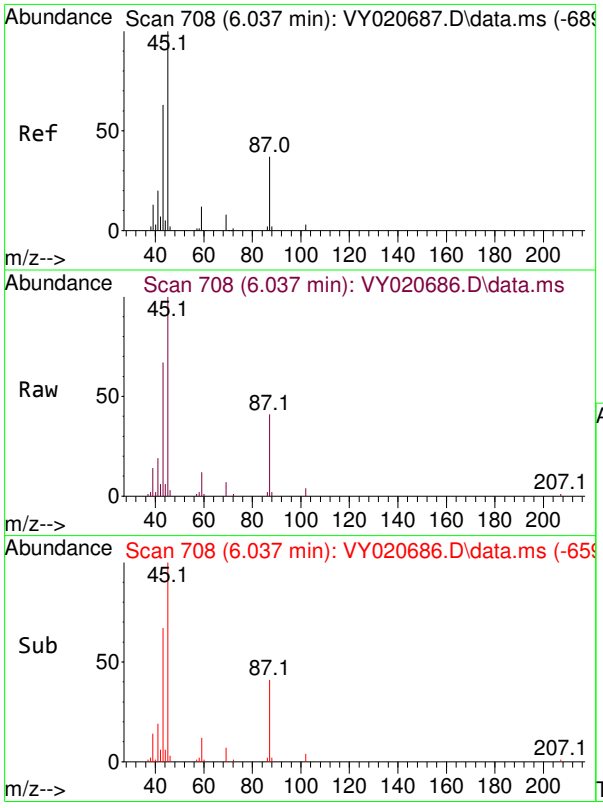
#21
trans-1,2-Dichloroethene
Concen: 19.467 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 14461

Ion	Ratio	Lower	Upper
96	100		
61	118.2	113.7	170.5
98	68.9	51.7	77.5

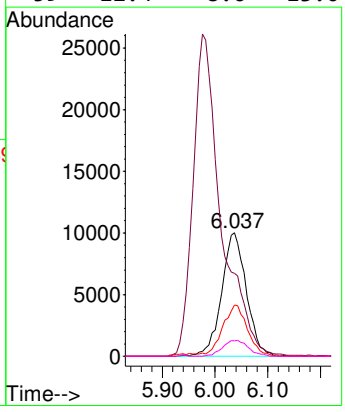


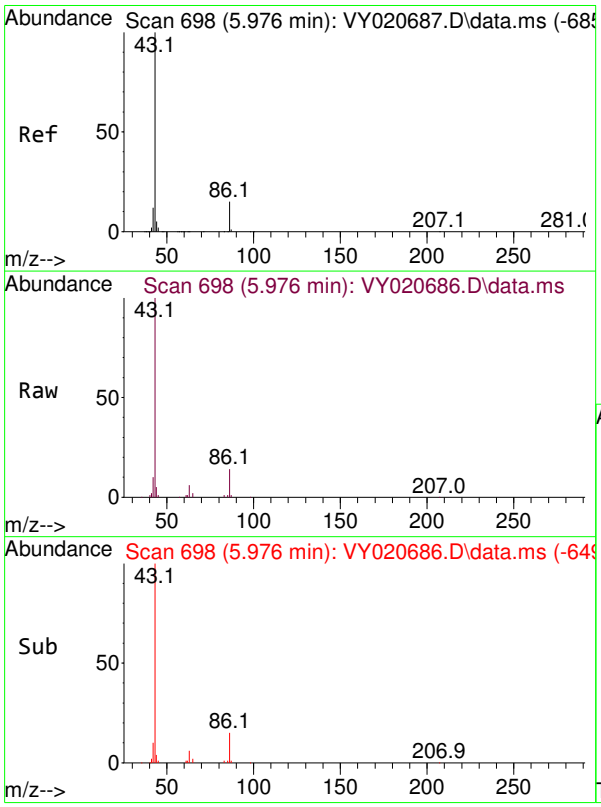


#22
Diisopropyl ether
Concen: 19.784 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 45 Resp: 32675

Ion	Ratio	Lower	Upper
45	100		
43	65.3	42.6	64.0#
87	41.4	20.6	31.0#
59	12.4	8.6	13.0



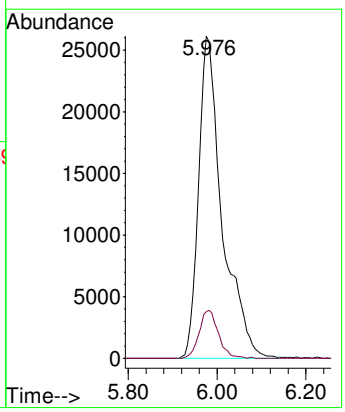


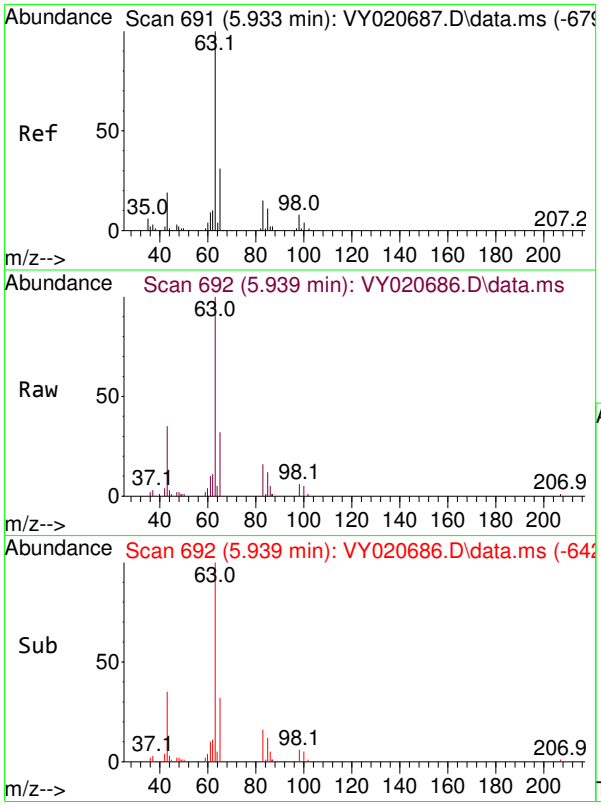
#23
Vinyl Acetate
Concen: 98.495 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 96326

Ion	Ratio	Lower	Upper
43	100		
86	14.5	8.1	12.1#

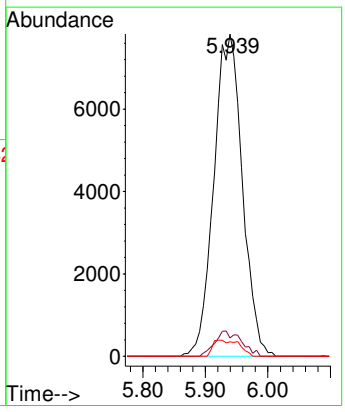


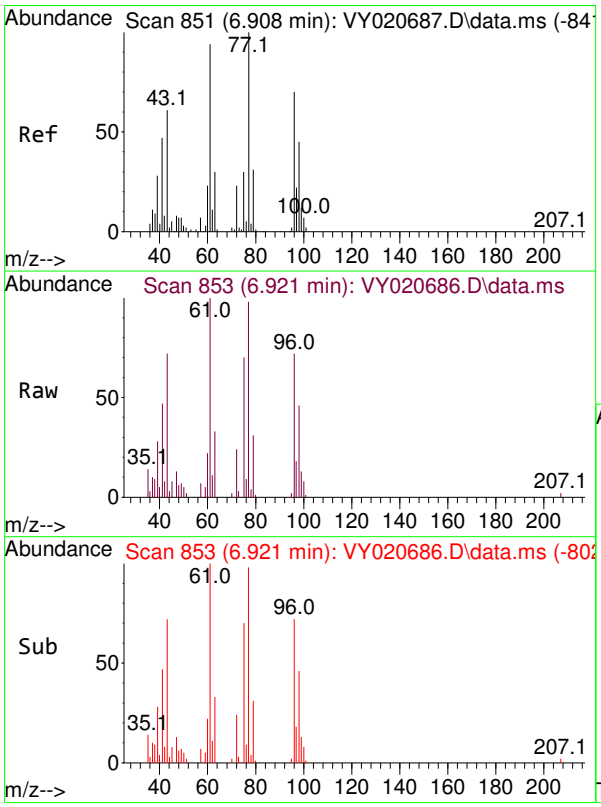


#24
1,1-Dichloroethane
Concen: 20.049 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 24684

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	4.5	2.1	6.5



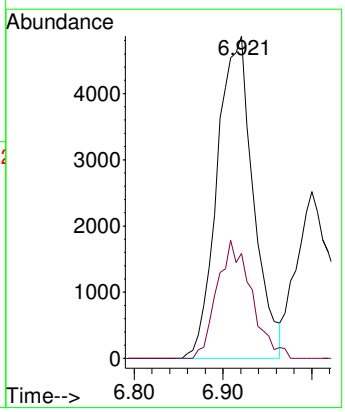


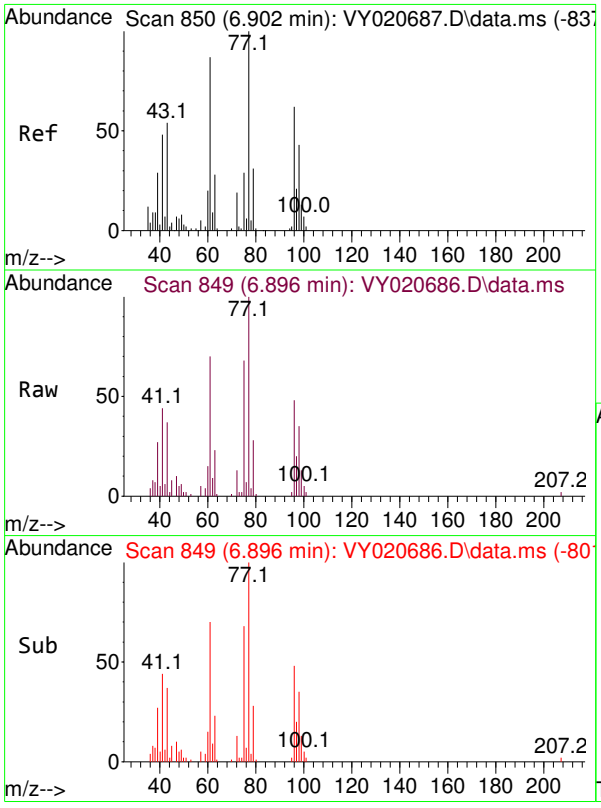
#25
2-Butanone
Concen: 93.819 ug/l
RT: 6.921 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 13772

Ion	Ratio	Lower	Upper
43	100		
72	32.5	20.6	31.0#

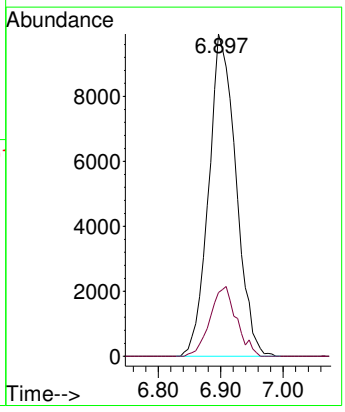


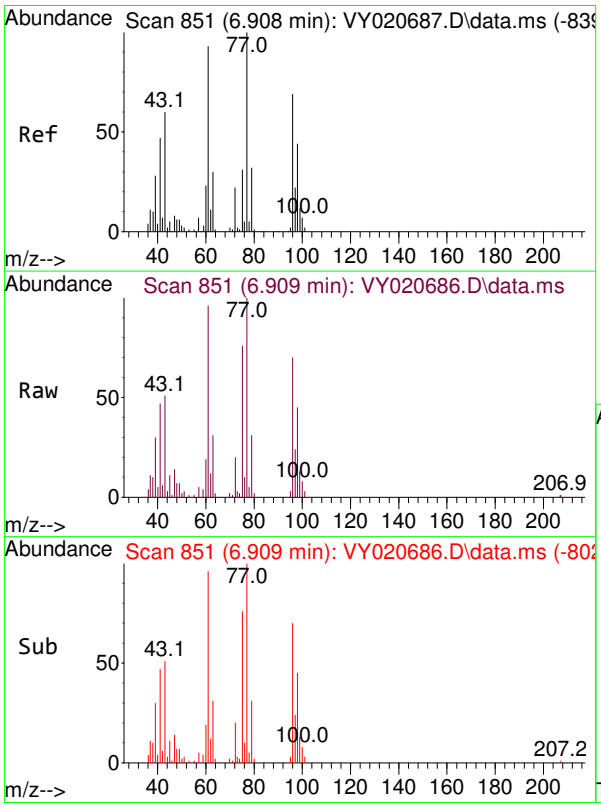


#26
2,2-Dichloropropane
Concen: 19.460 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 77 Resp: 29975

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6



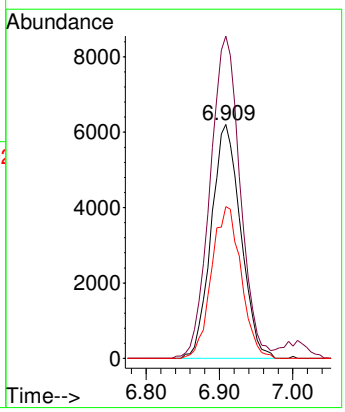


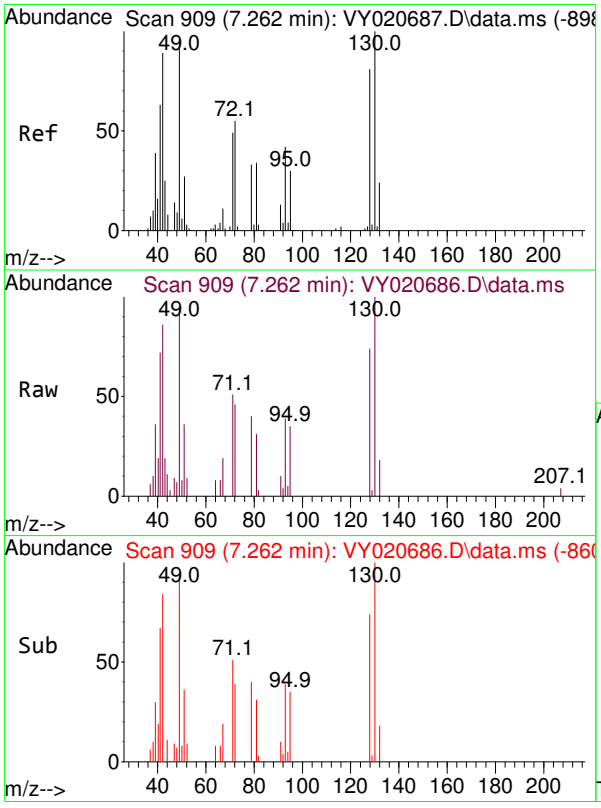
#27
cis-1,2-Dichloroethene
Concen: 19.522 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 17272

Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	306.2
98	65.1	0.0	127.2

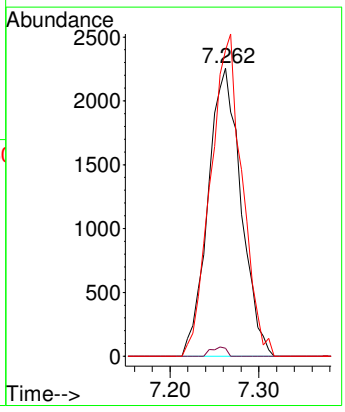


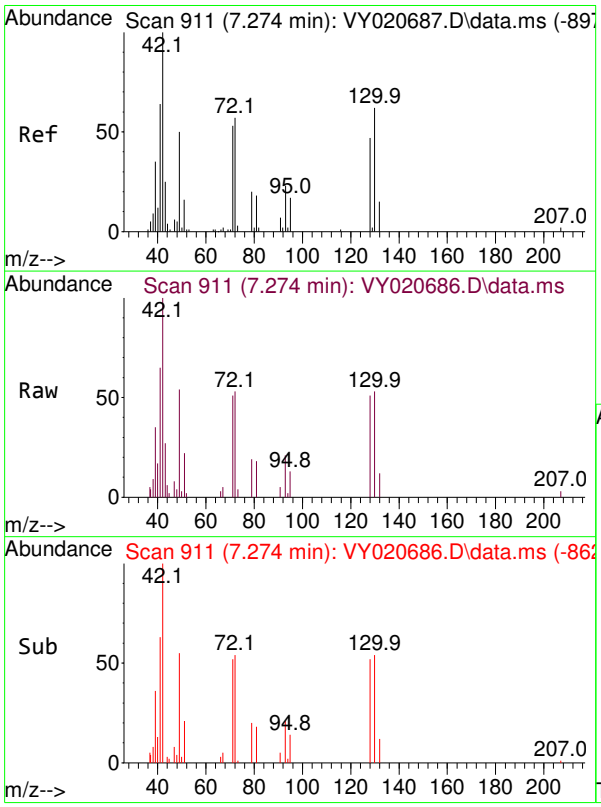


#28
Bromochloromethane
Concen: 18.304 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 49 Resp: 5831

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	107.2	58.3	87.5#



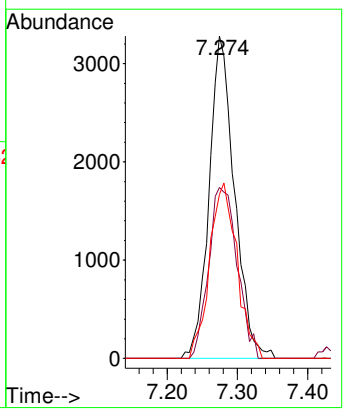


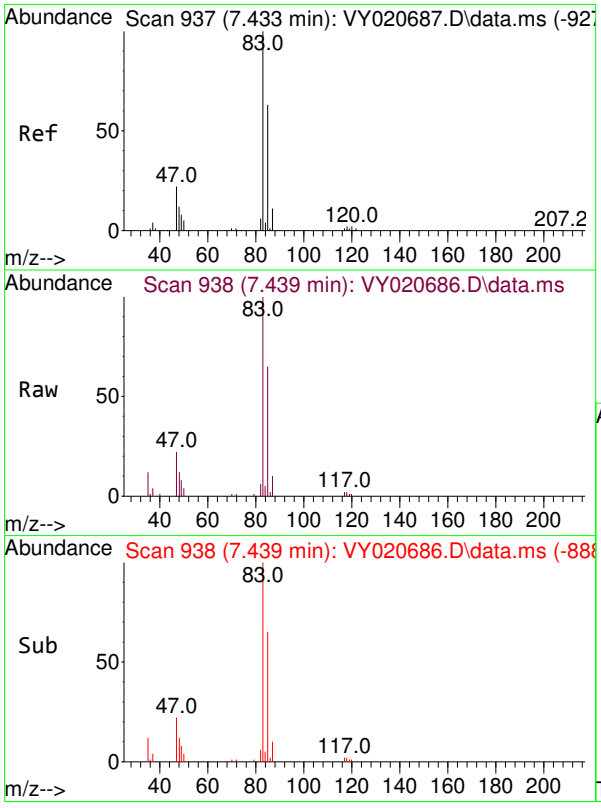
#29
Tetrahydrofuran
Concen: 95.307 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 8223

Ion	Ratio	Lower	Upper
42	100		
72	59.7	34.0	51.0#
71	58.7	31.6	47.4#

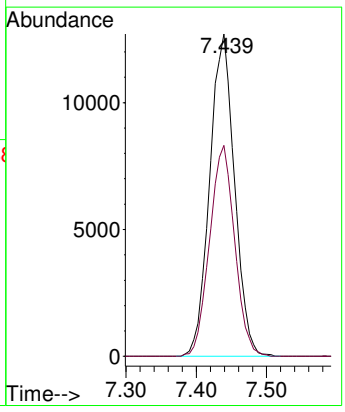


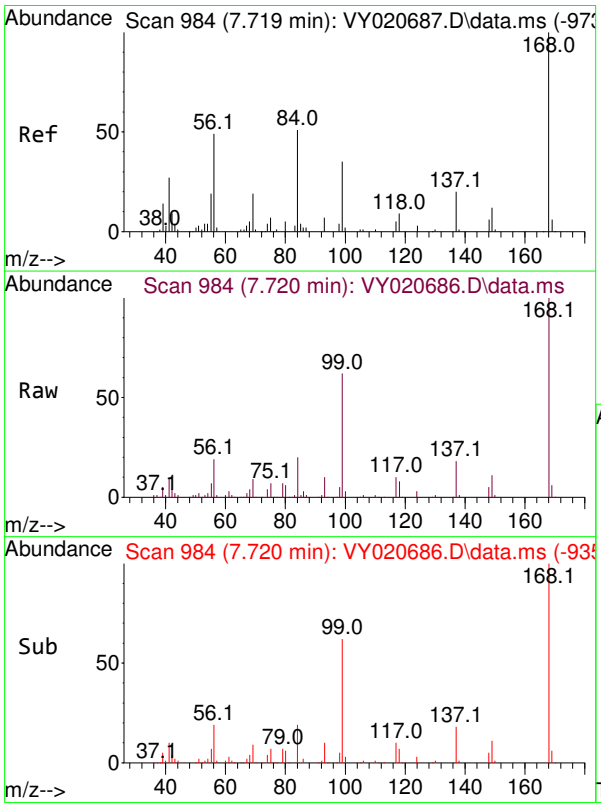


#30
Chloroform
Concen: 19.229 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 83 Resp: 31119

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1



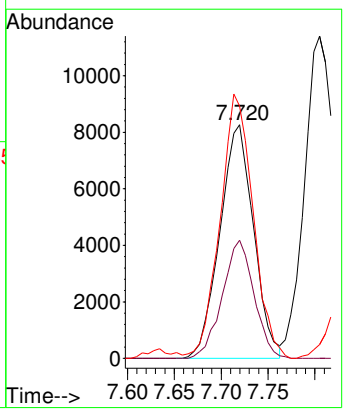


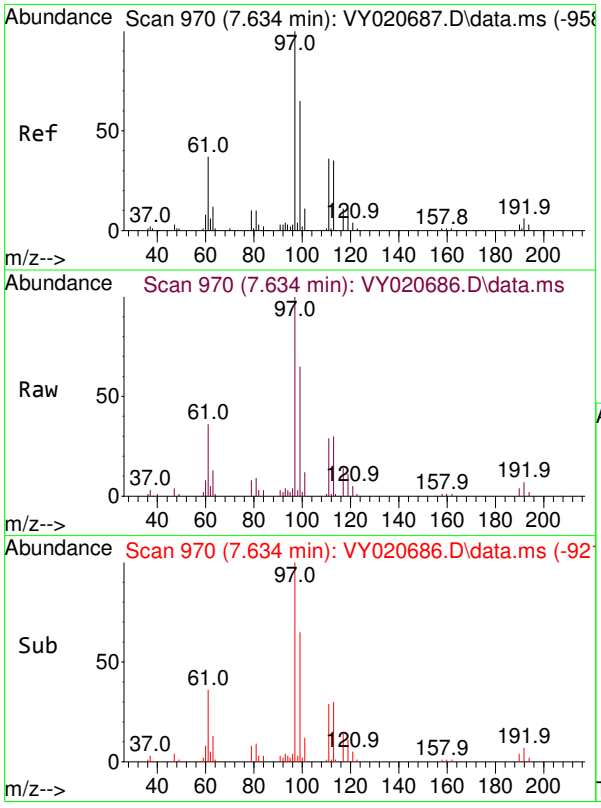
#31
Cyclohexane
Concen: 19.152 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 20675

Ion	Ratio	Lower	Upper
56	100		
69	50.6	25.4	38.0#
84	105.5	68.3	102.5#

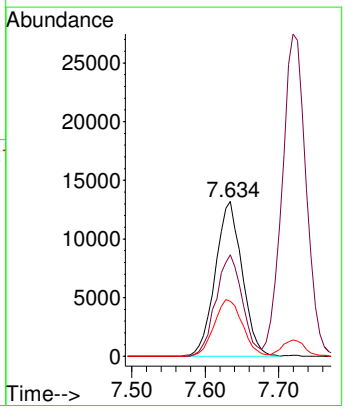


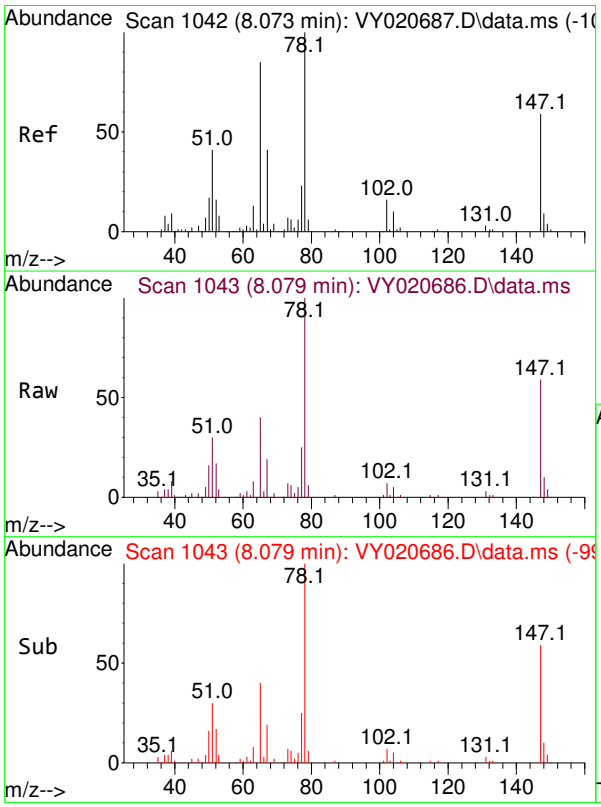


#32
1,1,1-Trichloroethane
Concen: 19.771 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 97 Resp: 33427

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	38.7	34.7	52.1



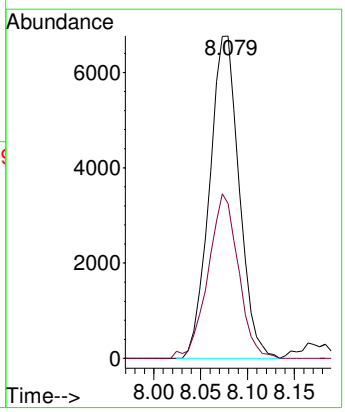


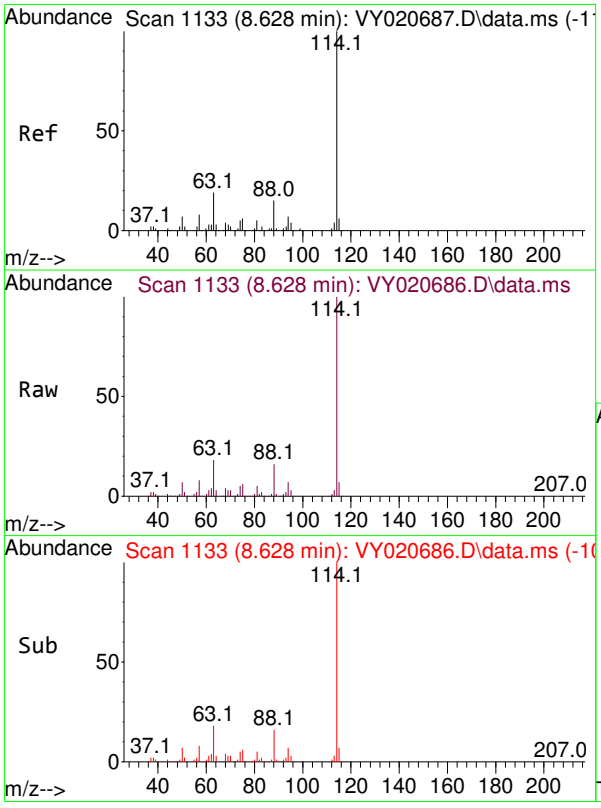
#33
1,2-Dichloroethane-d4
Concen: 16.223 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 14842

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	108.0

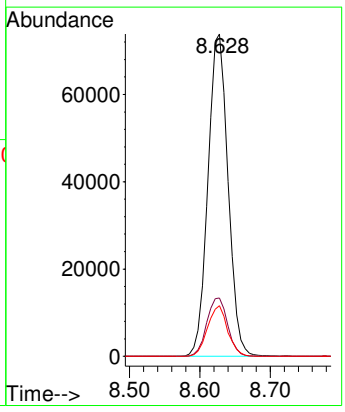


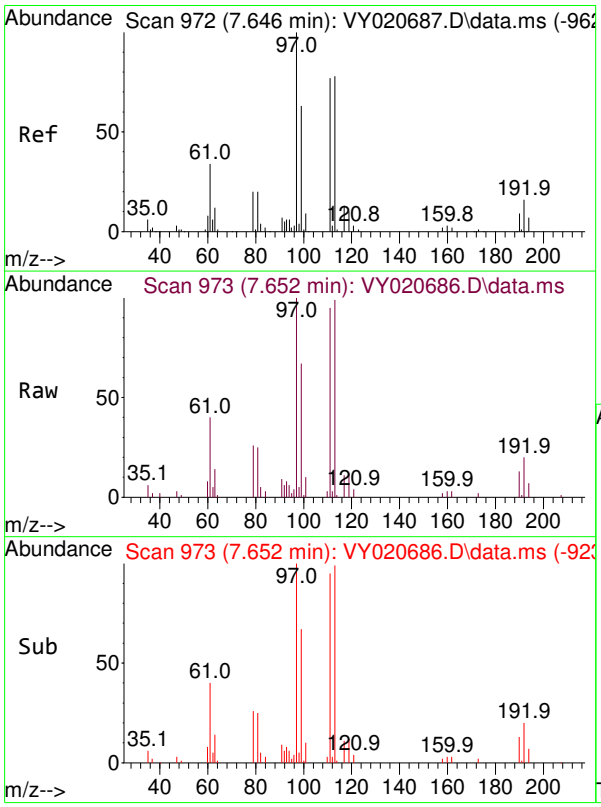


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:114 Resp: 146320

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	44.0
88	15.7	0.0	32.8



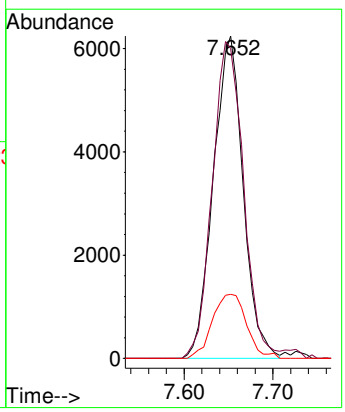


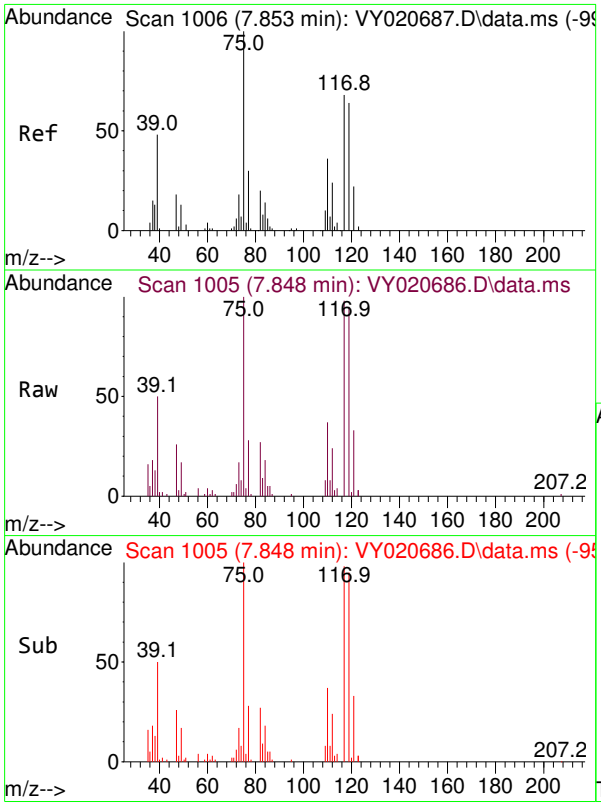
#35
Dibromofluoromethane
Concen: 16.999 ug/l
RT: 7.652 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 14605

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	22.8	15.7	23.5

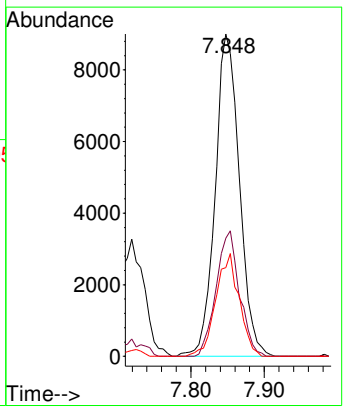


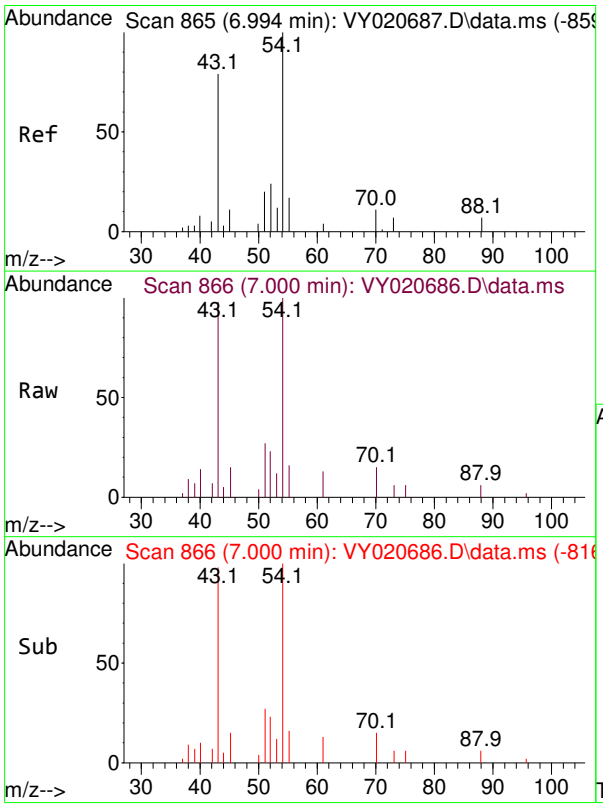


#36
1,1-Dichloropropene
Concen: 19.723 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 20597

Ion	Ratio	Lower	Upper
75	100		
110	37.6	16.8	50.4
77	30.8	25.0	37.6



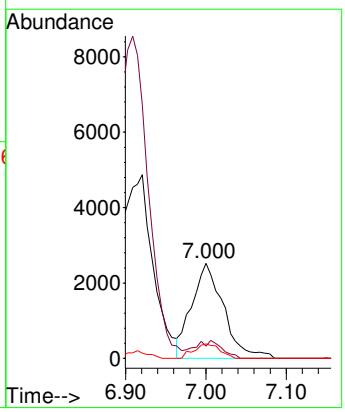


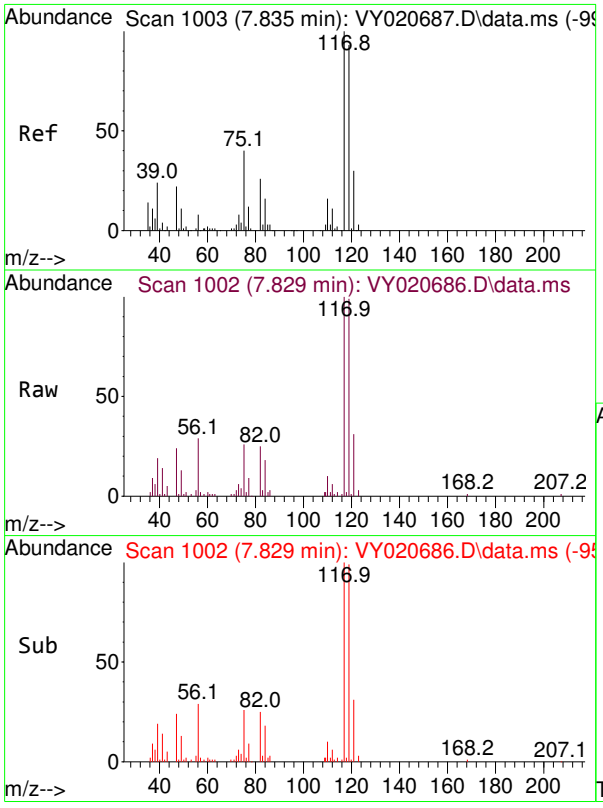
#37
Ethyl Acetate
Concen: 20.375 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 6954

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	12.4	7.9	11.9#

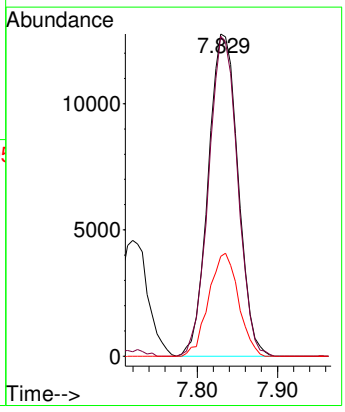


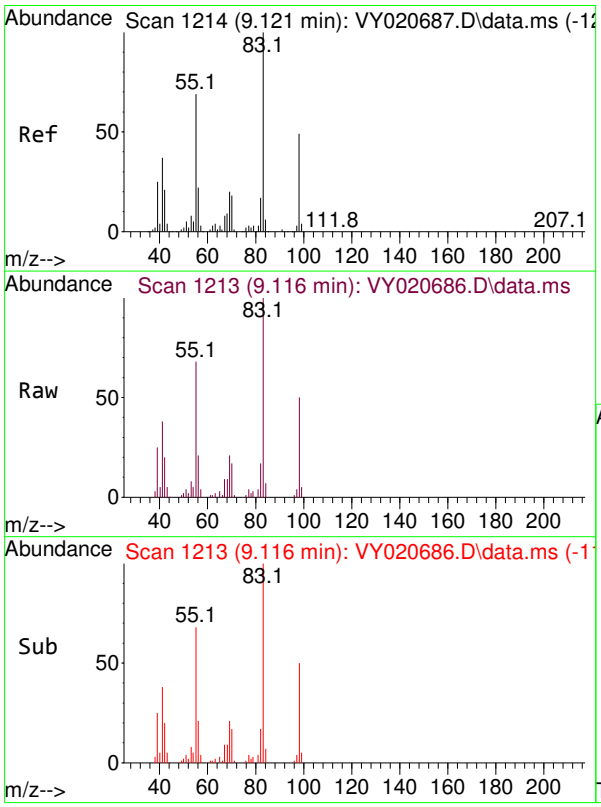


#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 32873

Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.3	117.5
121	31.0	25.1	37.7



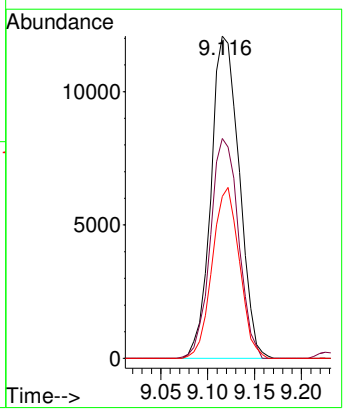


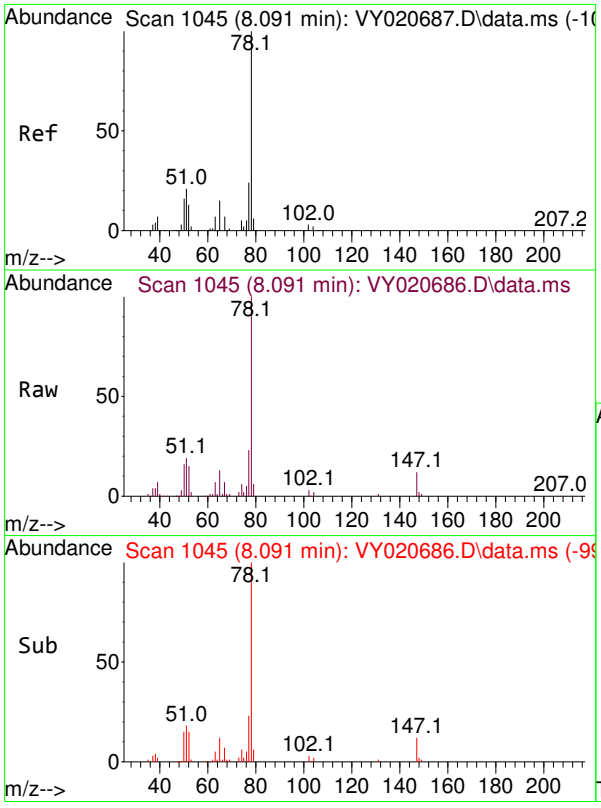
#39
Methylcyclohexane
Concen: 18.999 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 25219

Ion	Ratio	Lower	Upper
83	100		
55	68.2	61.4	92.0
98	50.2	37.3	55.9

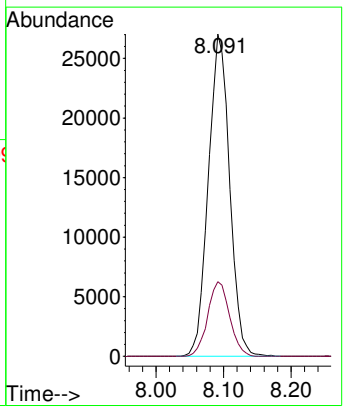


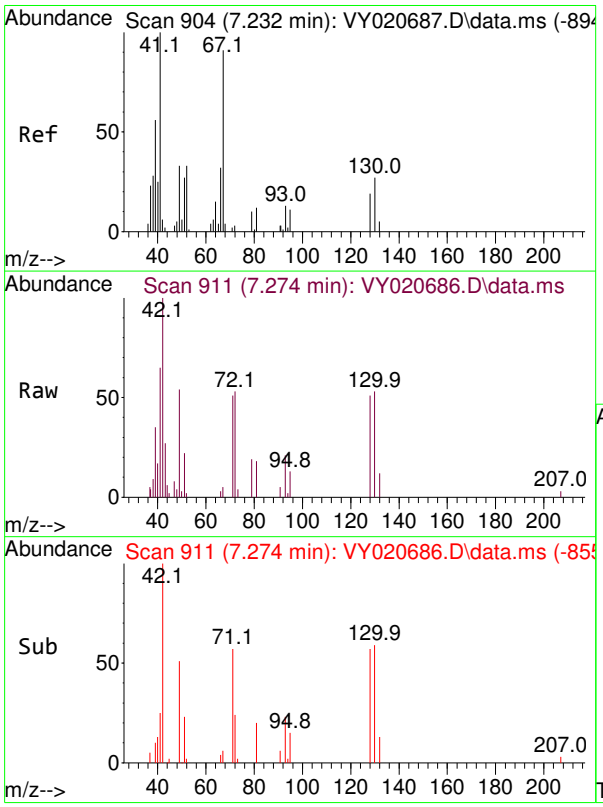


#40
Benzene
Concen: 19.607 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 78 Resp: 59071

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.1	30.1



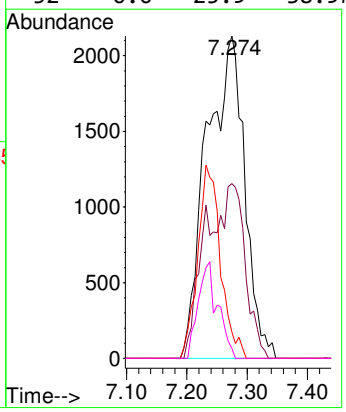


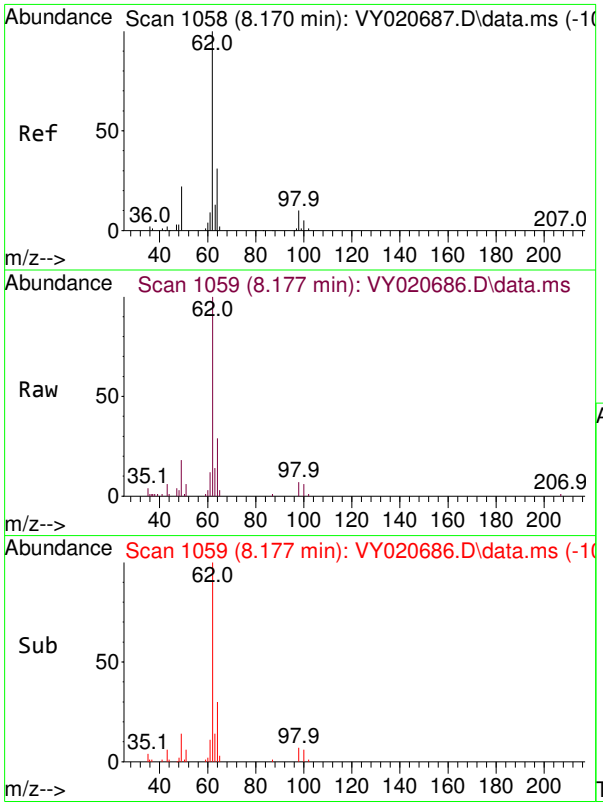
#41
Methacrylonitrile
Concen: 48.203 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.043 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 9311

Ion	Ratio	Lower	Upper
41	100		
39	26.6	53.6	80.4#
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#

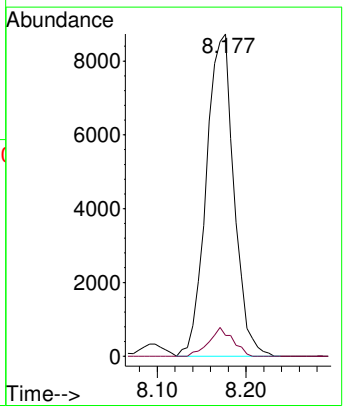


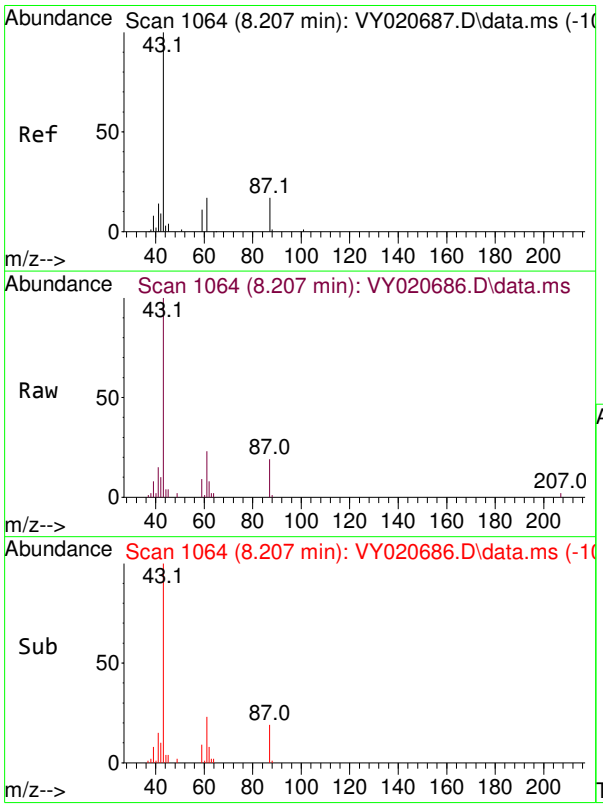


#42
1,2-Dichloroethane
Concen: 19.768 ug/l
RT: 8.177 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 62 Resp: 18941

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.0



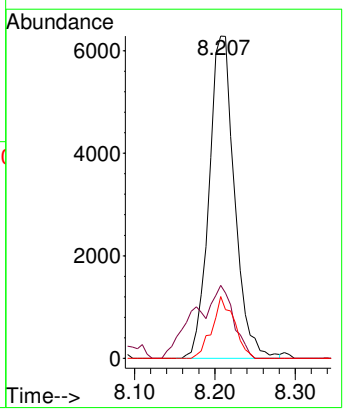


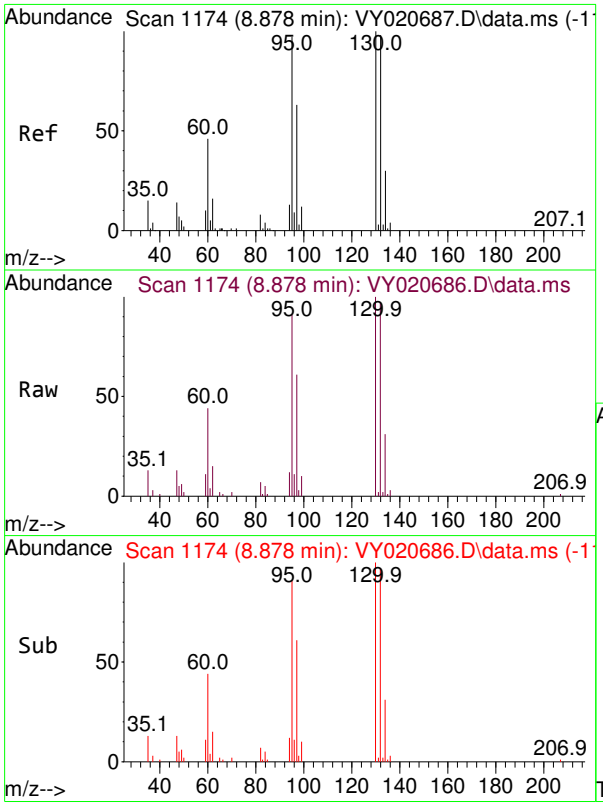
#43
Isopropyl Acetate
Concen: 19.509 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 13839

Ion	Ratio	Lower	Upper
43	100		
61	19.5	23.8	35.6#
87	16.6	10.2	15.4#

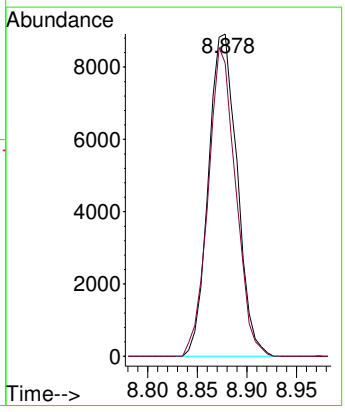


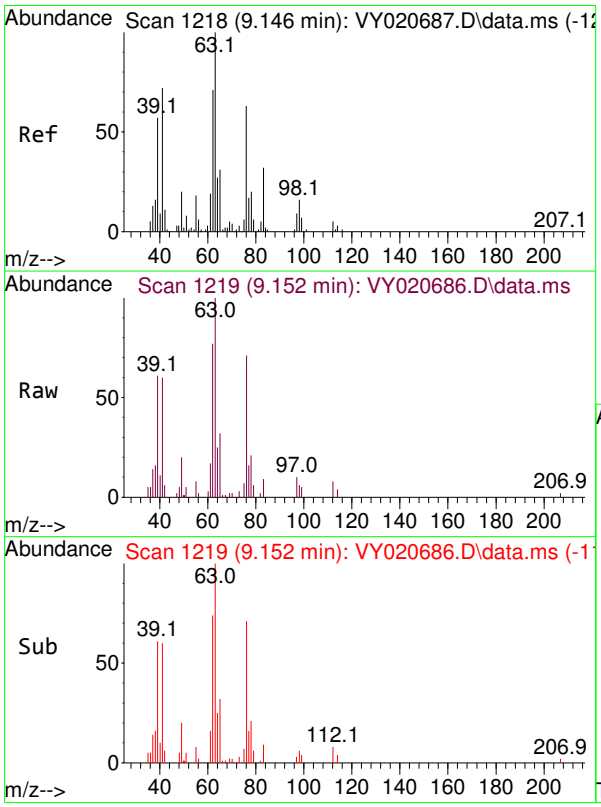


#44
Trichloroethene
Concen: 20.111 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:130 Resp: 17982

Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	203.2



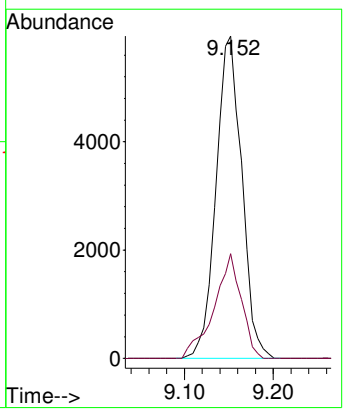


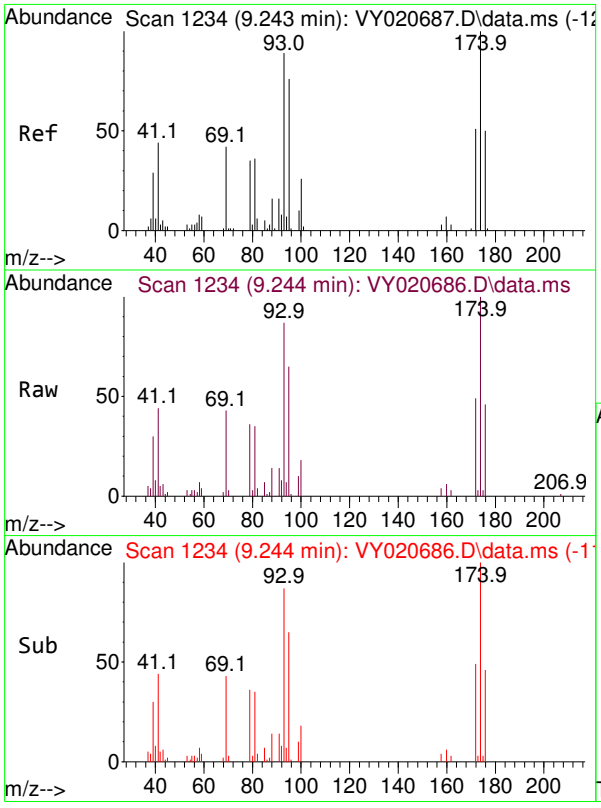
#45
1,2-Dichloropropane
Concen: 20.313 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 12024

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9

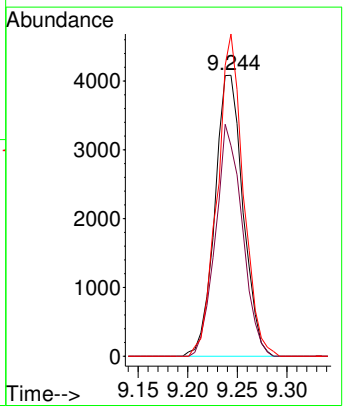


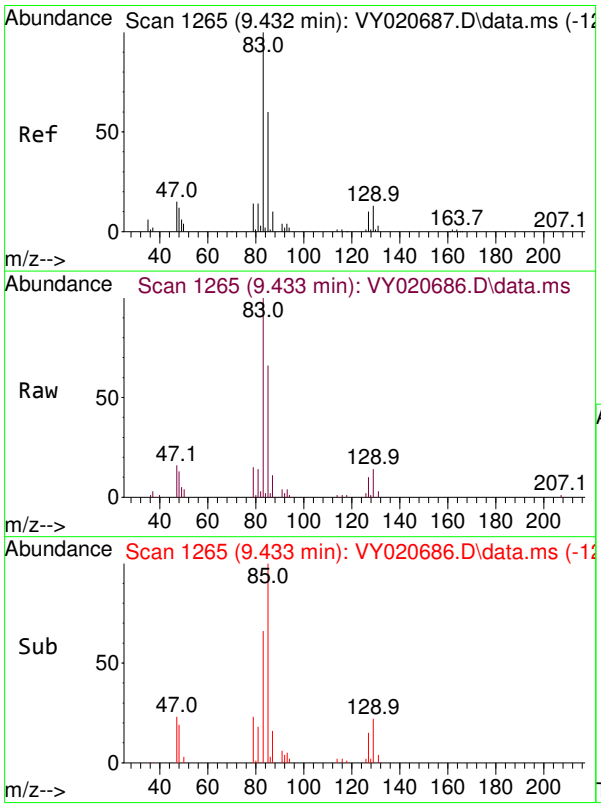


#46
Dibromomethane
Concen: 19.751 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 93 Resp: 8071

Ion	Ratio	Lower	Upper
93	100		
95	78.6	66.7	100.1
174	106.2	77.8	116.6



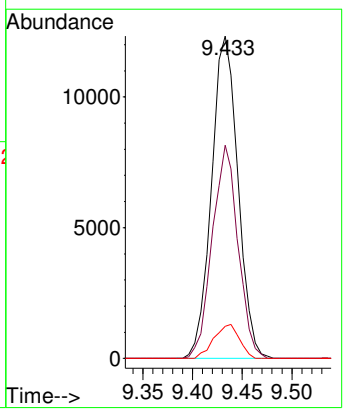


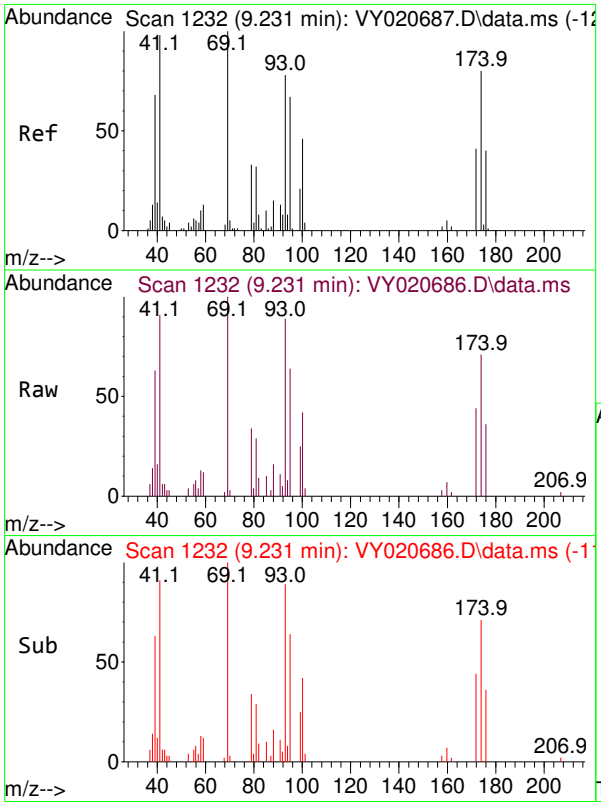
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 22921

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.1	78.1
127	10.0	6.7	10.1

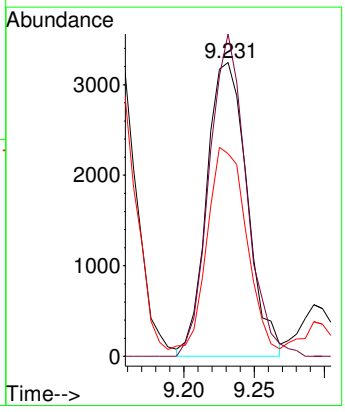


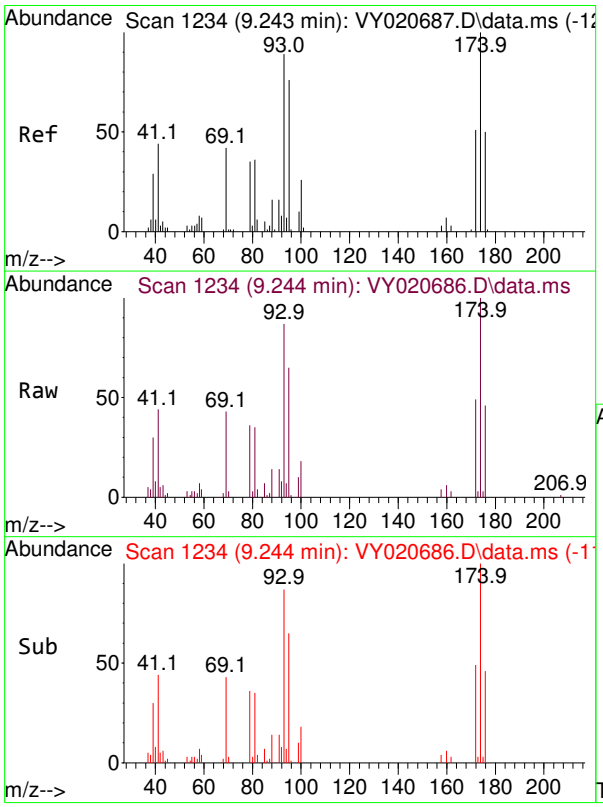


#48
Methyl methacrylate
Concen: 19.258 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 41 Resp: 6476

Ion	Ratio	Lower	Upper
41	100		
69	101.3	67.2	100.8#
39	67.0	42.2	63.4#



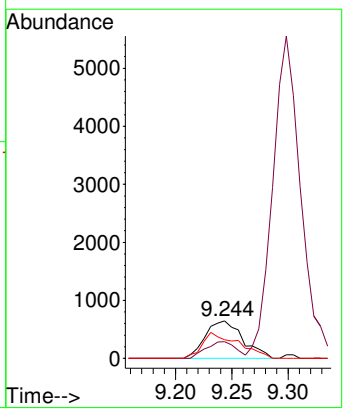


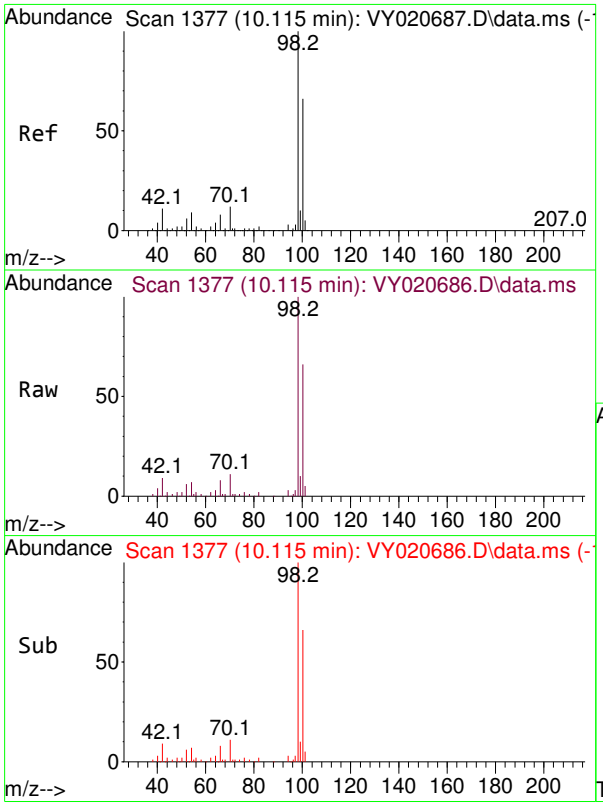
#49
1,4-Dioxane
Concen: 357.918 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 1500

Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.6	41.4
58	66.7	61.7	92.5

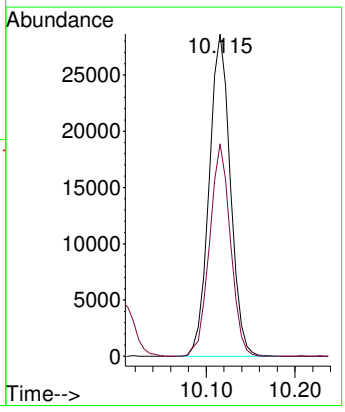


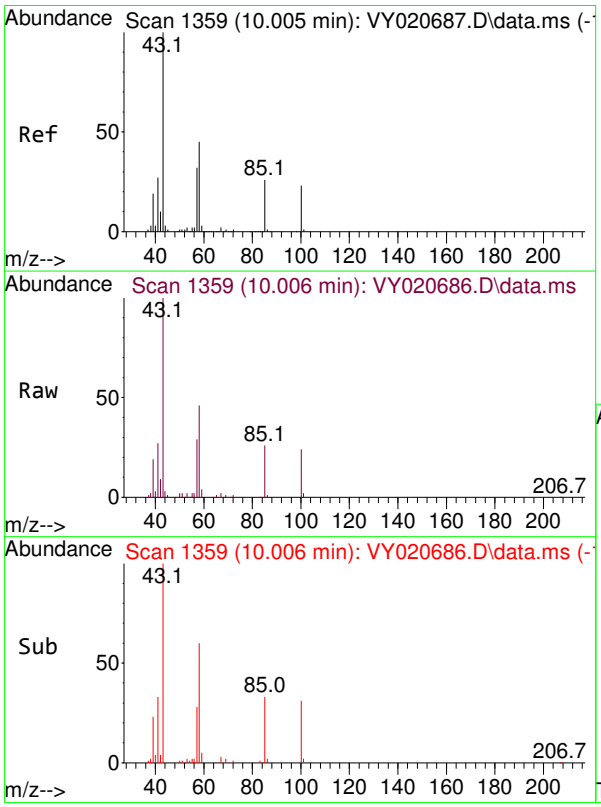


#50
Toluene-d8
Concen: 15.278 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 98 Resp: 47674

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



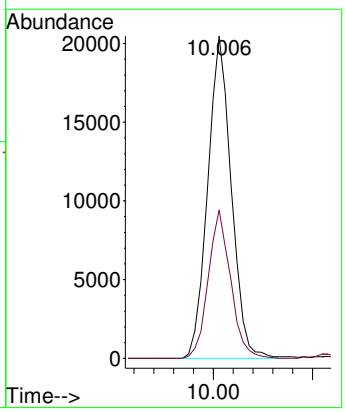


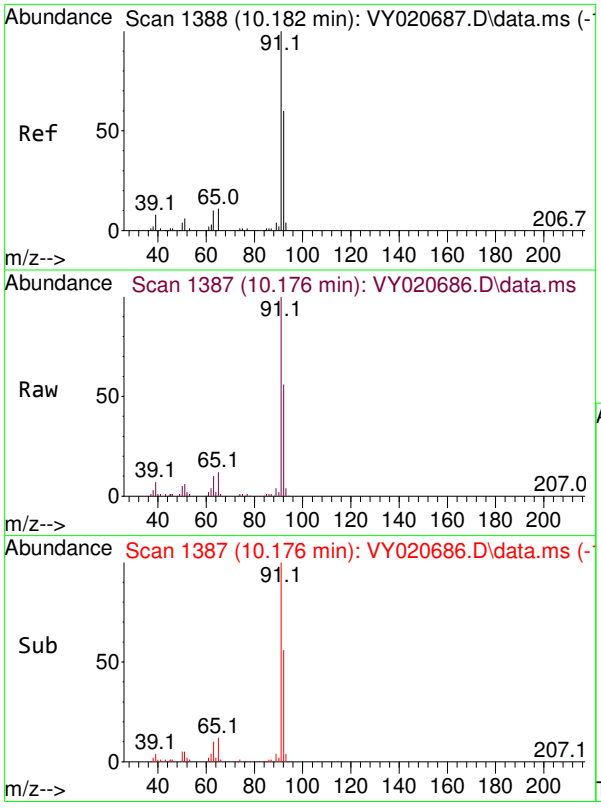
#51
4-Methyl-2-Pentanone
Concen: 95.570 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 33865

Ion	Ratio	Lower	Upper
43	100		
58	43.6	31.4	47.2

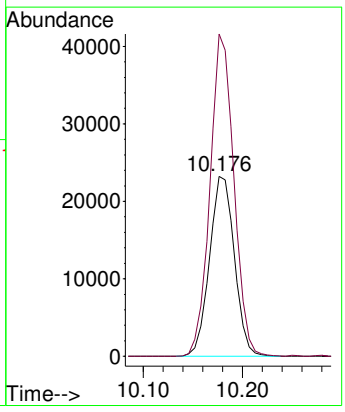


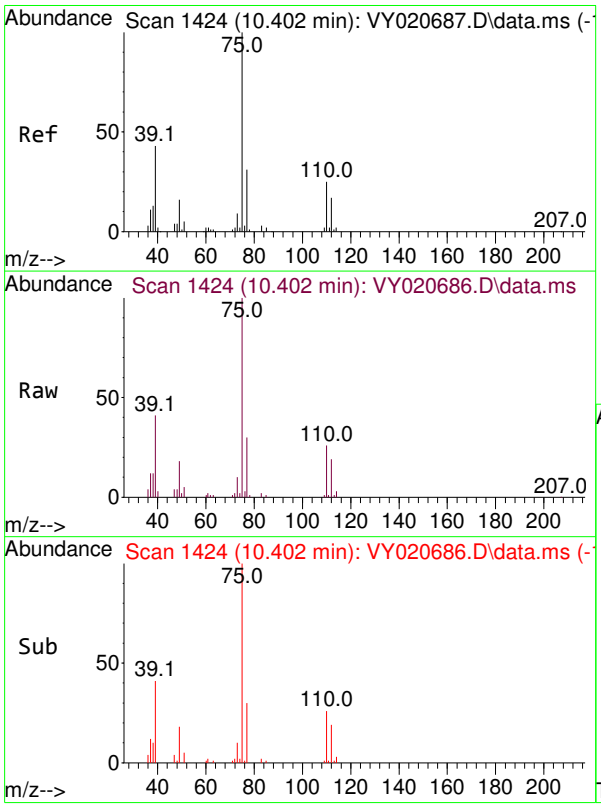


#52
Toluene
Concen: 19.777 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 92 Resp: 40575

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



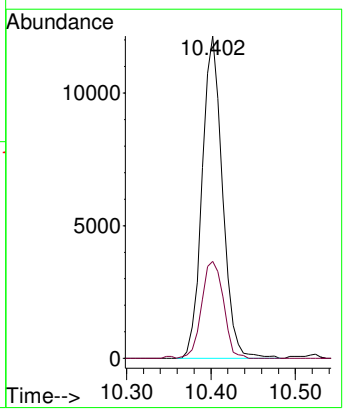


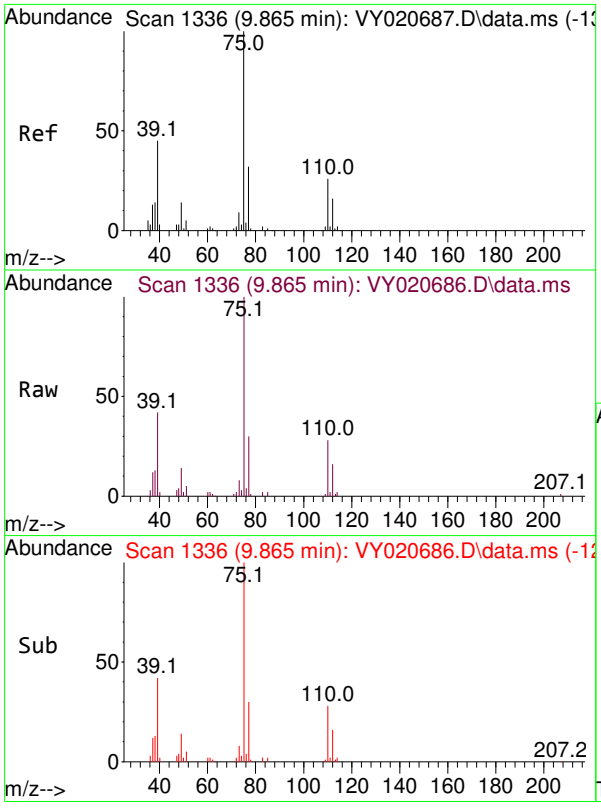
#53
t-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 10.402 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 20438

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.2

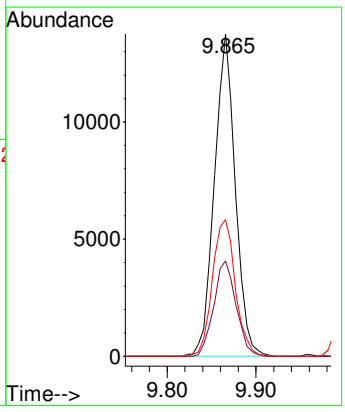


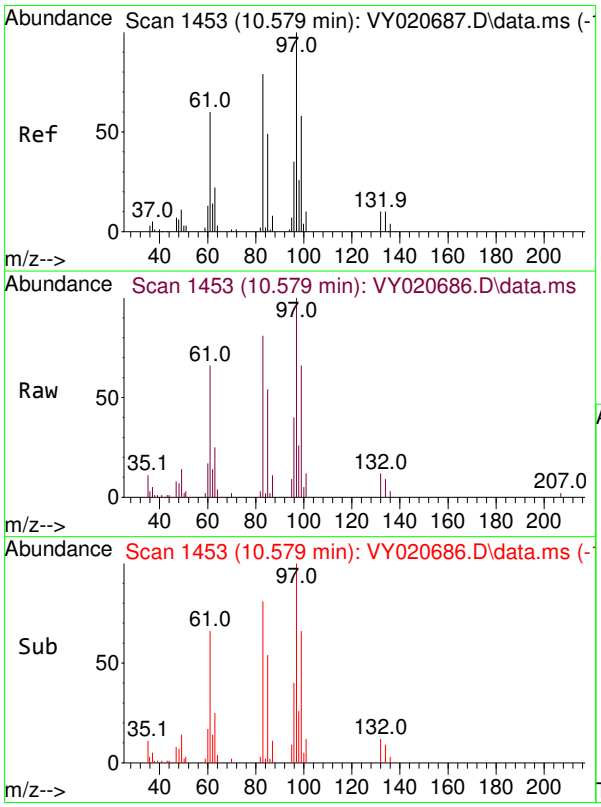


#54
cis-1,3-Dichloropropene
Concen: 19.986 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 22589

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.6	36.8
39	42.4	36.4	54.6



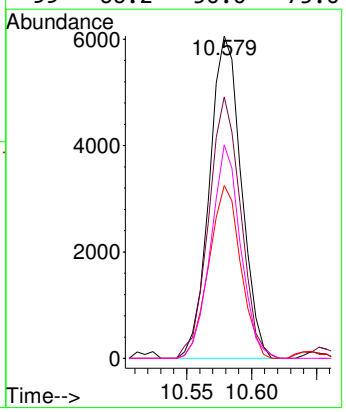


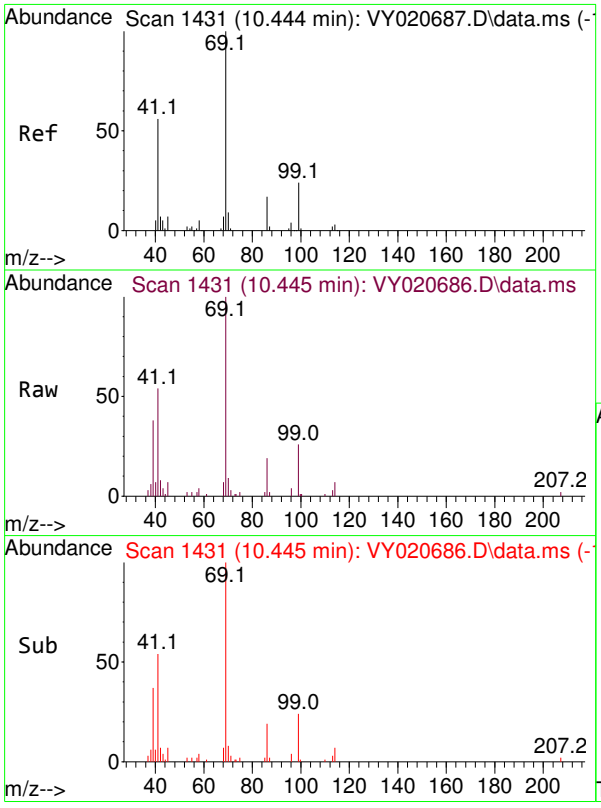
#55
1,1,2-Trichloroethane
Concen: 19.493 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 10314

Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.4	105.6
85	53.6	47.2	70.8
99	66.2	50.0	75.0

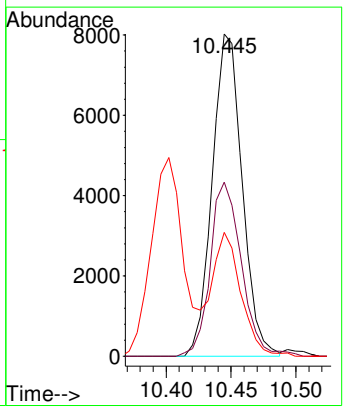


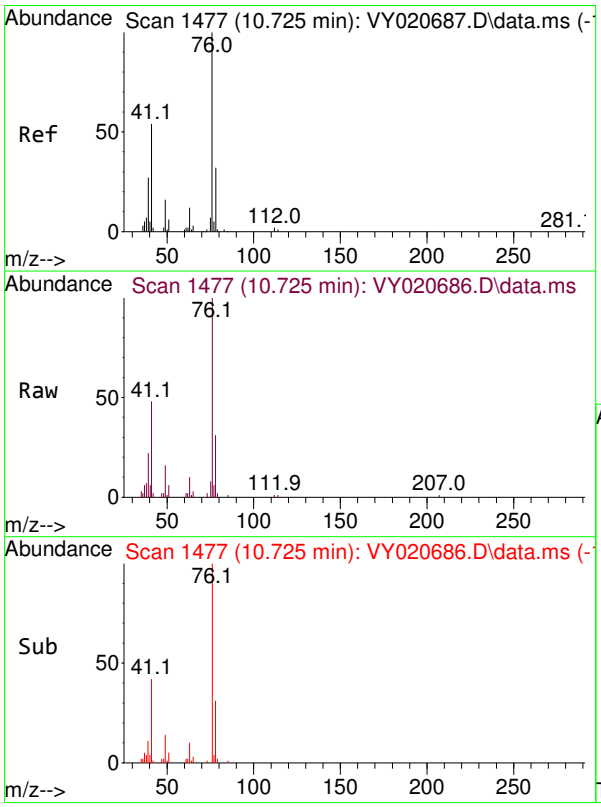


#56
Ethyl methacrylate
Concen: 19.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 69 Resp: 12869

Ion	Ratio	Lower	Upper
69	100		
41	56.2	54.0	81.0
39	36.9	27.9	41.9



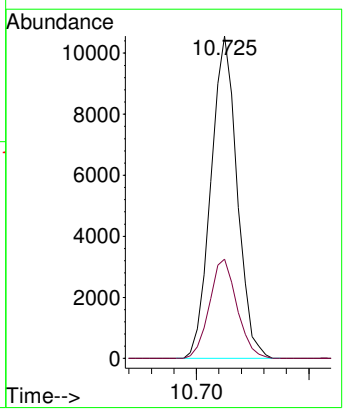


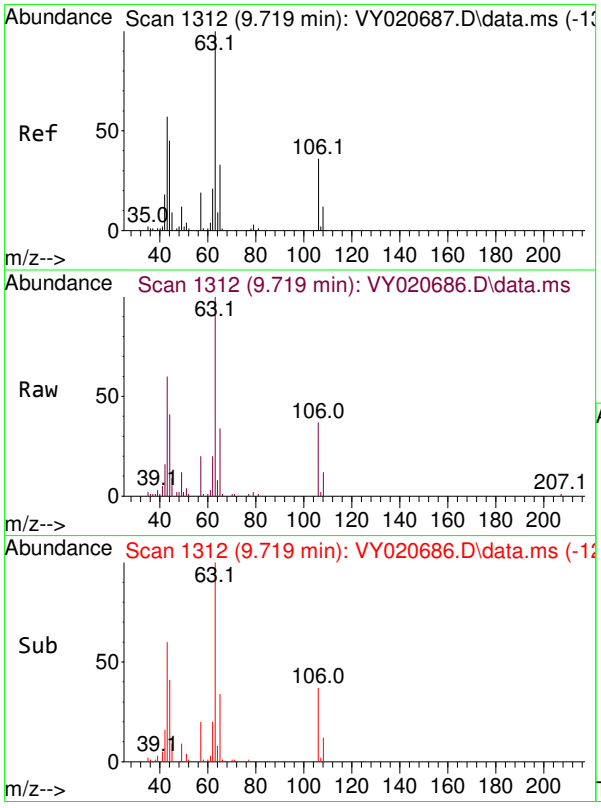
#57
1,3-Dichloropropane
Concen: 19.692 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 17032

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

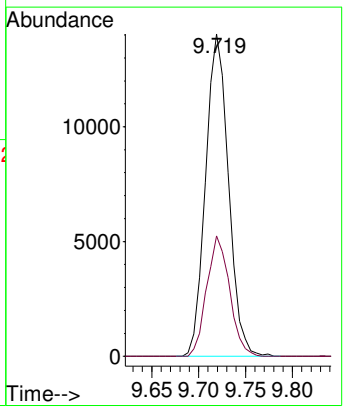


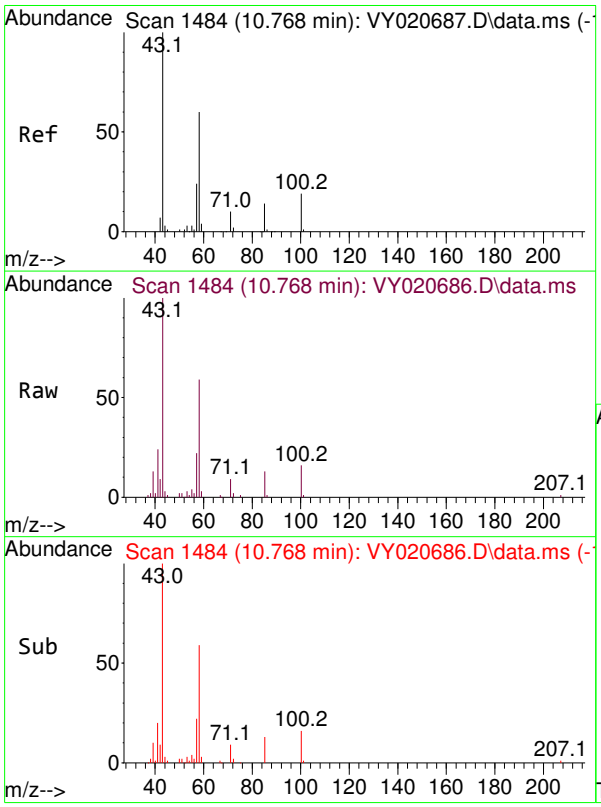


#58
2-Chloroethyl Vinyl ether
Concen: 94.571 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 63 Resp: 23853

Ion	Ratio	Lower	Upper
63	100		
106	37.3	21.5	32.3#



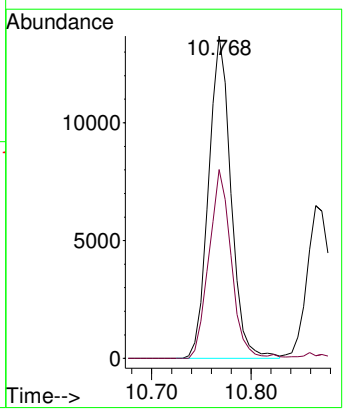


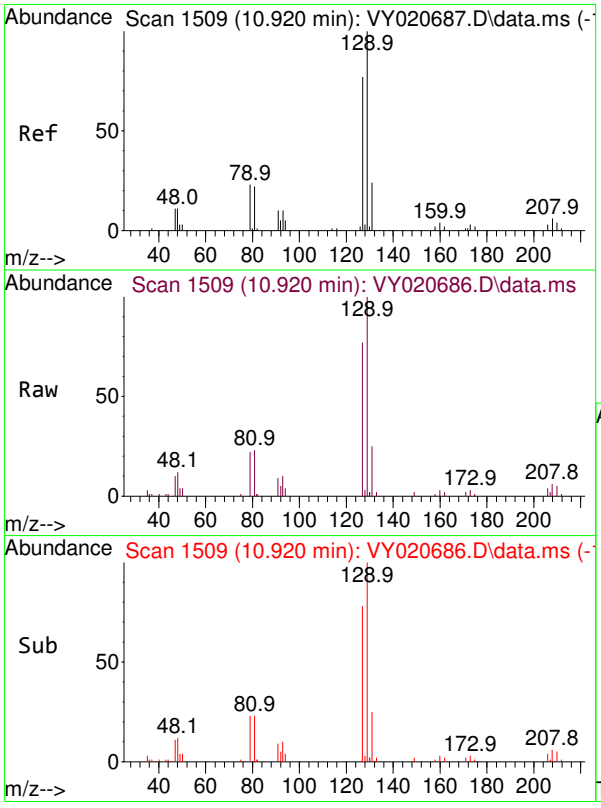
#59
2-Hexanone
Concen: 95.158 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 21478

Ion	Ratio	Lower	Upper
43	100		
58	58.5	27.2	81.6

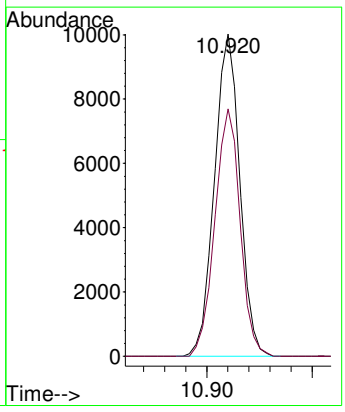


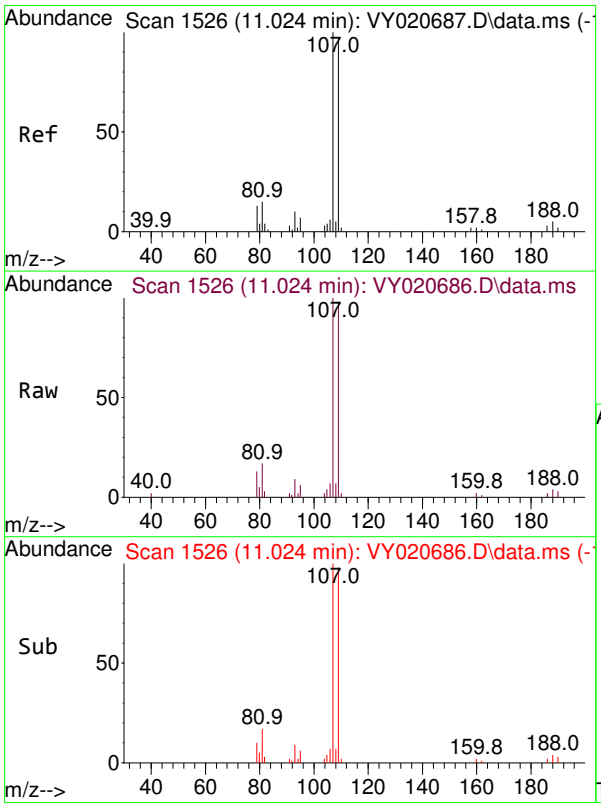


#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:129 Resp: 16794

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.3



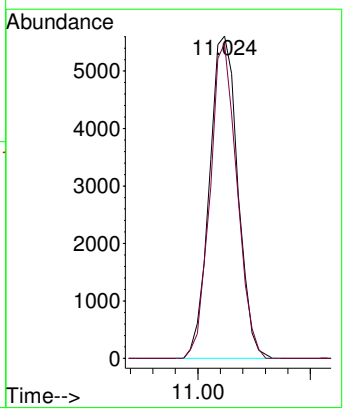


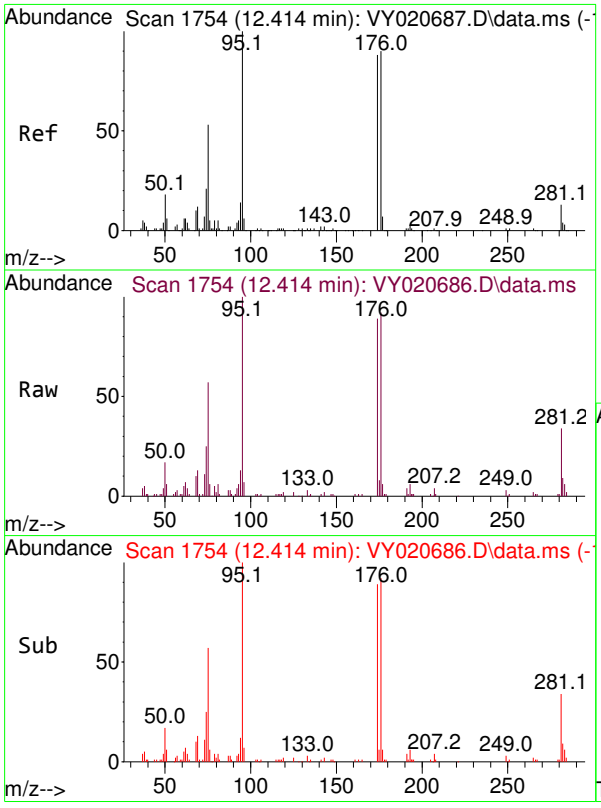
#61
1,2-Dibromoethane
Concen: 19.777 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 9810

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.2

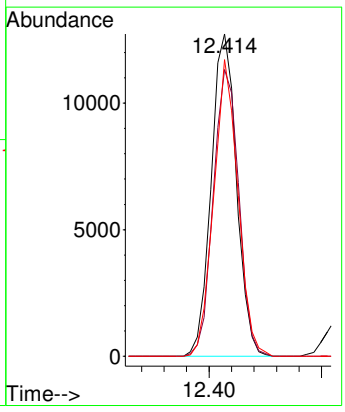


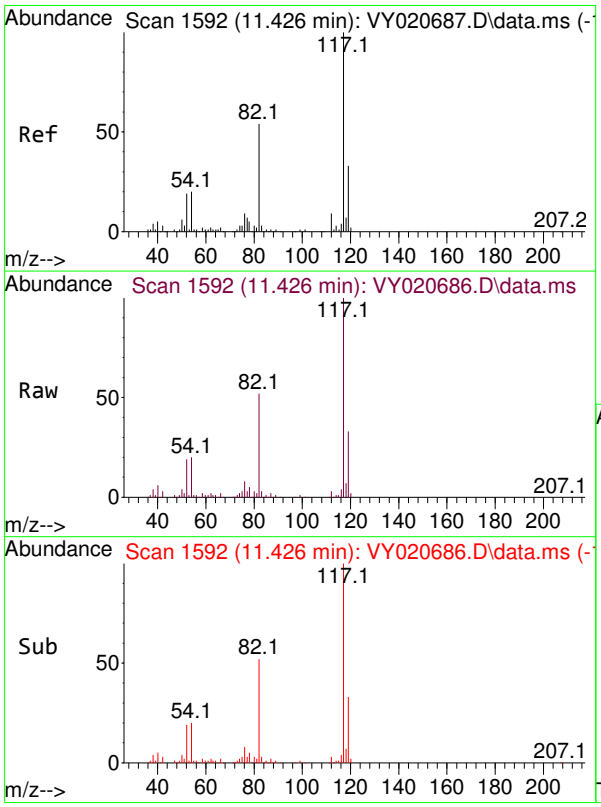


#62
4-Bromofluorobenzene
Concen: 17.457 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 95 Resp: 19827

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	161.8
176	88.0	0.0	156.6



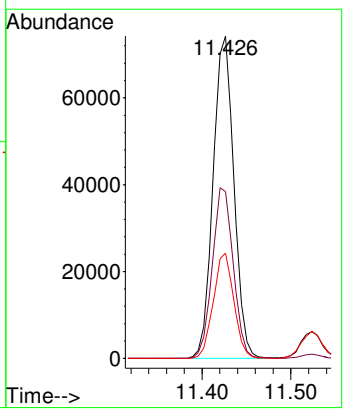


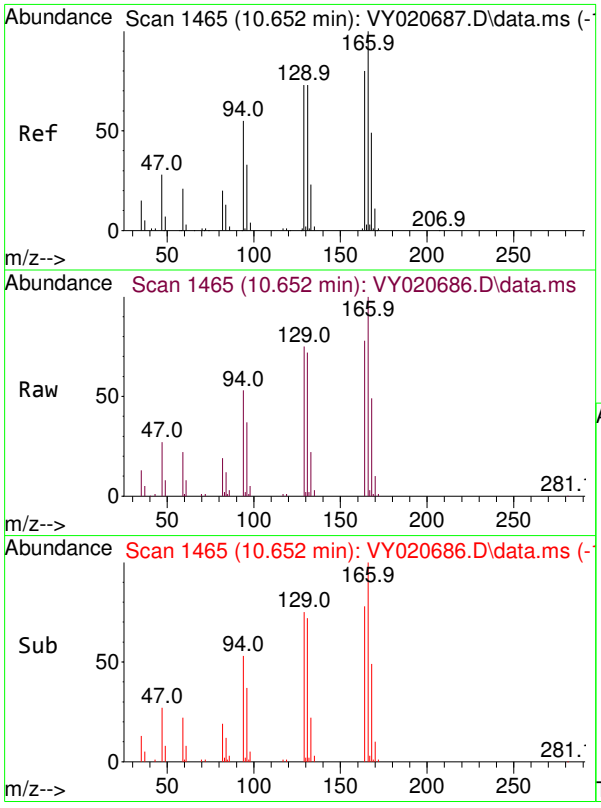
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 121625

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.6
119	32.7	25.3	37.9

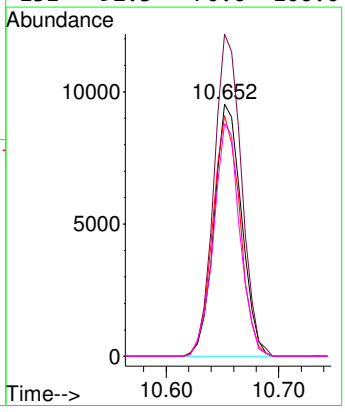


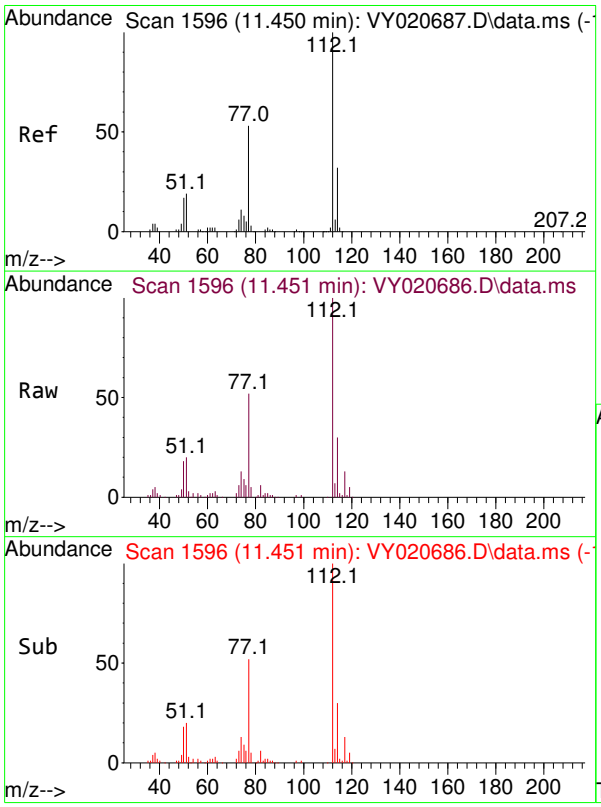


#64
Tetrachloroethene
Concen: 19.955 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:164 Resp: 16119

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	146.9
129	95.4	73.4	110.0
131	92.3	70.6	106.0



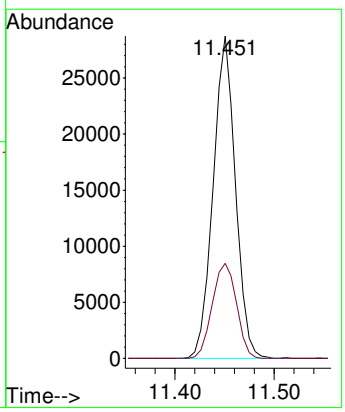


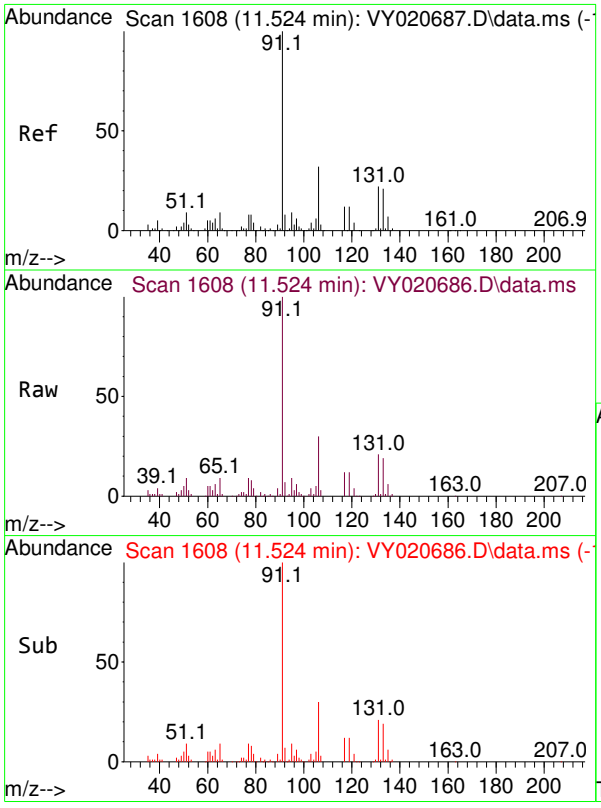
#65
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 44944

Ion	Ratio	Lower	Upper
112	100		
114	29.5	26.0	39.0

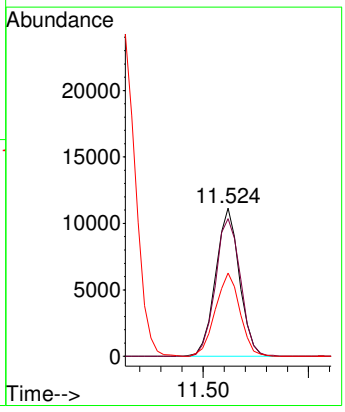


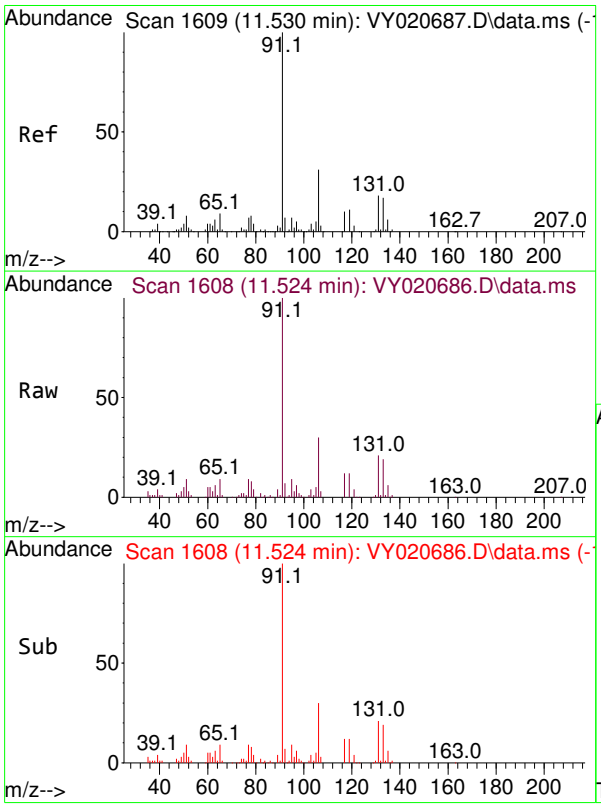


#66
1,1,1,2-Tetrachloroethane
Concen: 19.757 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:131 Resp: 17535

Ion	Ratio	Lower	Upper
131	100		
133	97.5	46.8	140.3
119	58.0	31.8	95.3



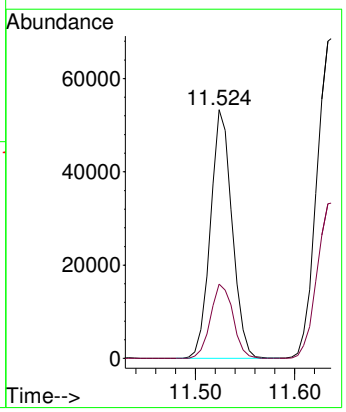


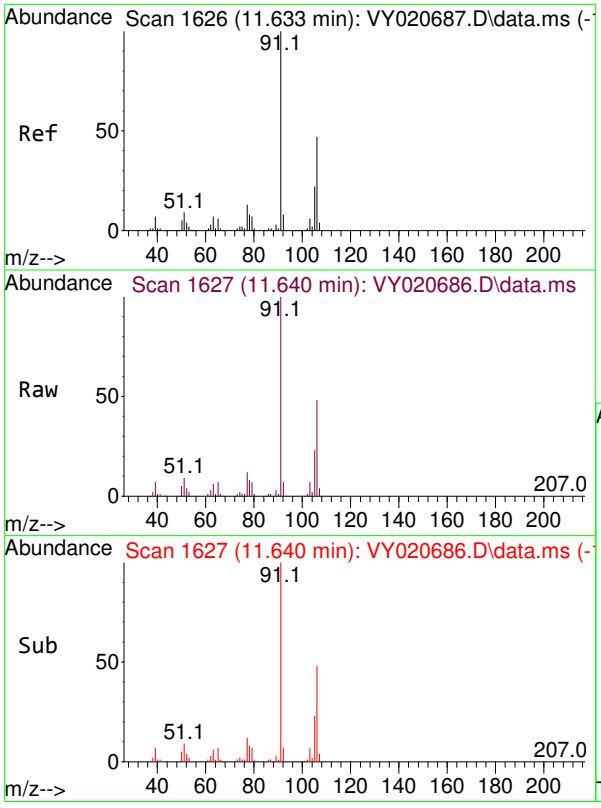
#67
Ethyl Benzene
Concen: 19.902 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 81152

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

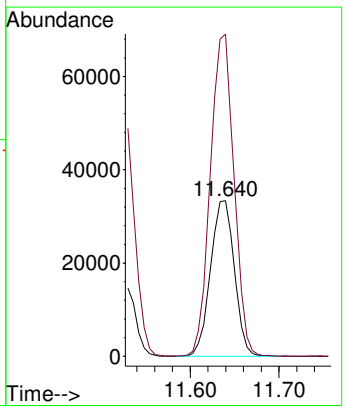


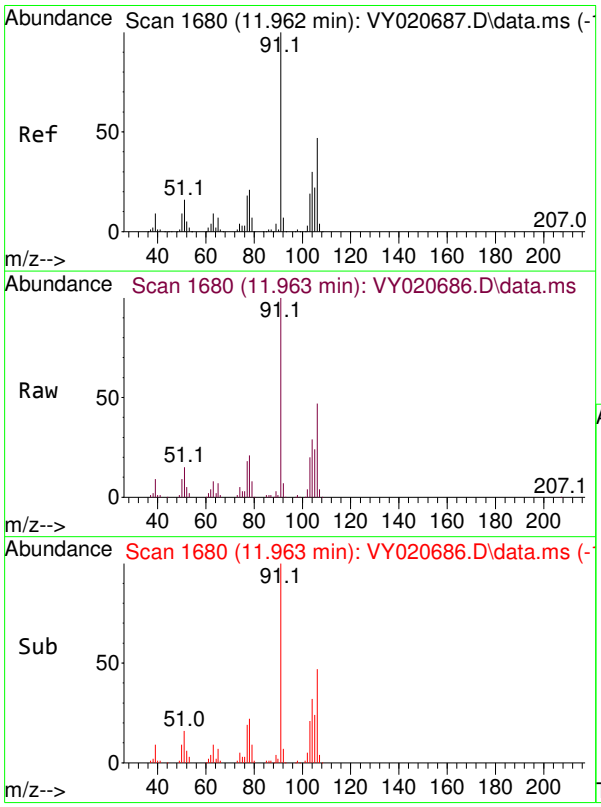


#68
m/p-Xylenes
Concen: 40.273 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:106 Resp: 62622

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.0	247.4



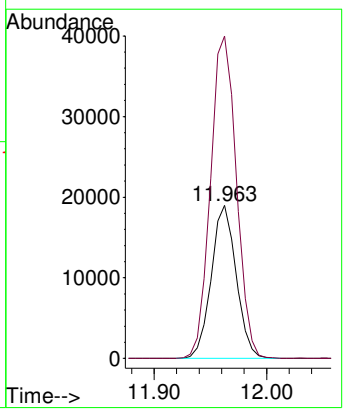


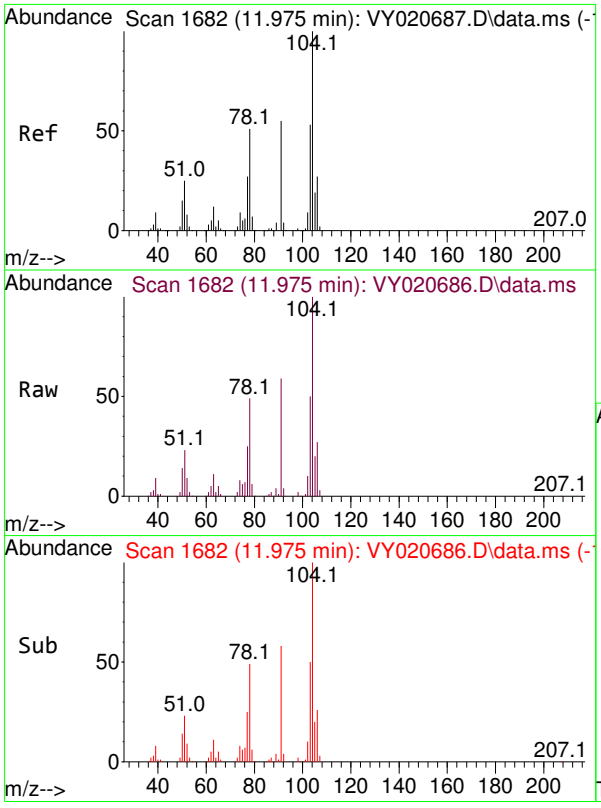
#69
o-Xylene
Concen: 19.954 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 29146

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.4	325.2

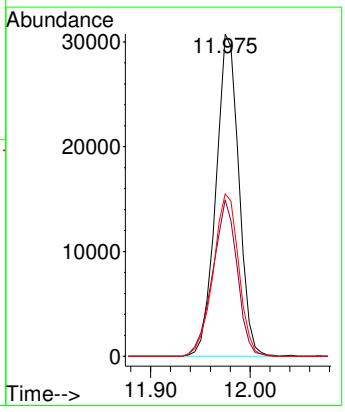


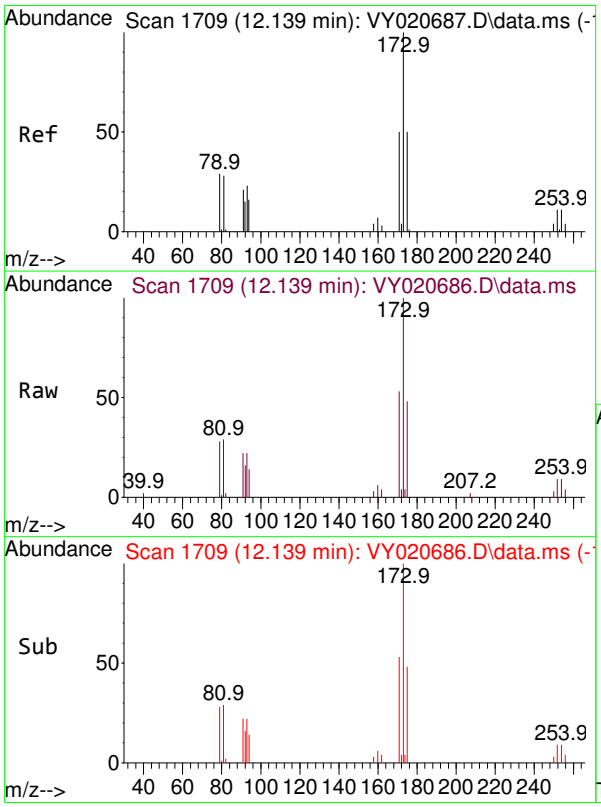


#70
Styrene
Concen: 20.194 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:104 Resp: 49613

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	56.1	43.7	65.5



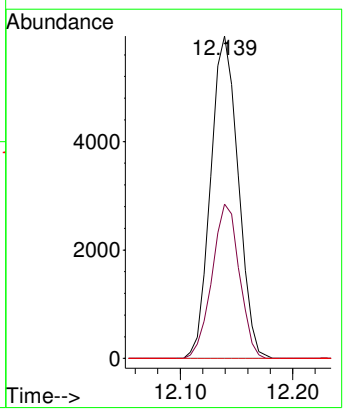


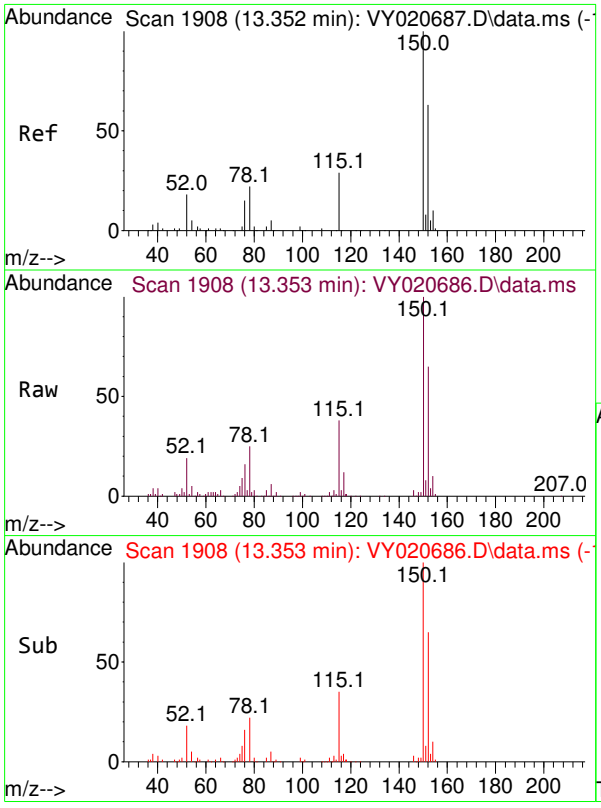
#71
Bromoform
Concen: 19.860 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 10096

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.0	0.0

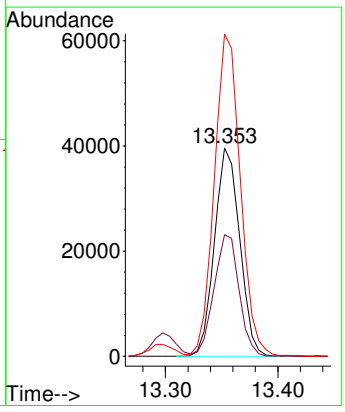


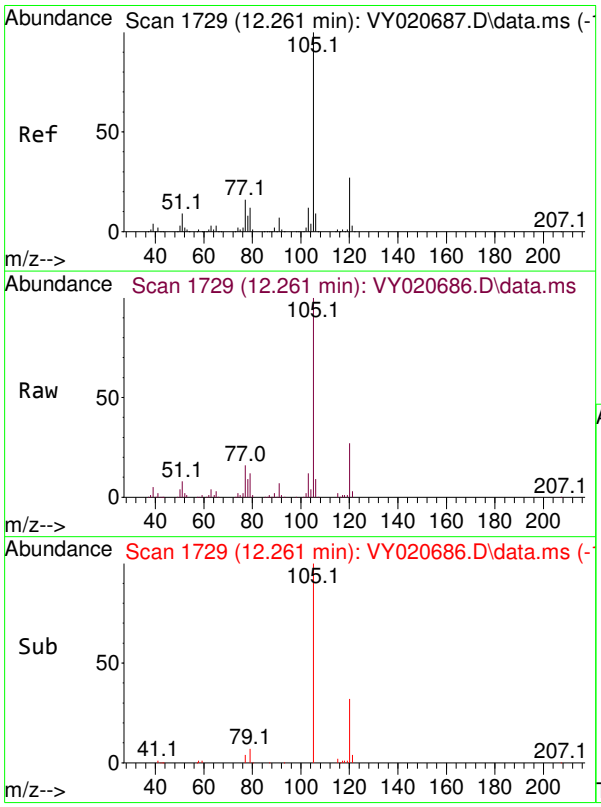


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:152 Resp: 61580

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.2	90.6
150	160.1	0.0	355.4



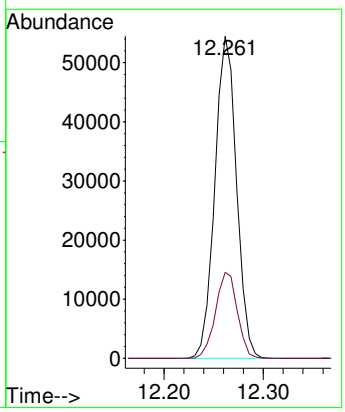


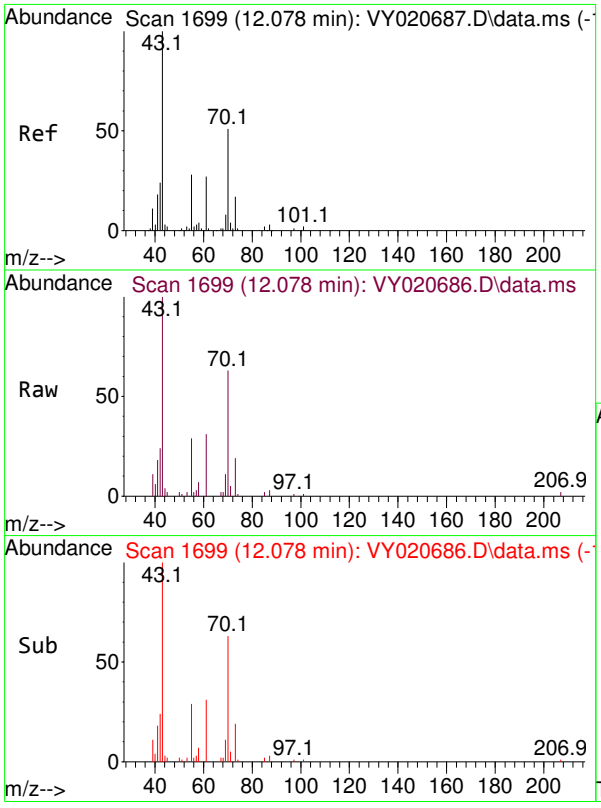
#73
Isopropylbenzene
Concen: 19.832 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 83068

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1

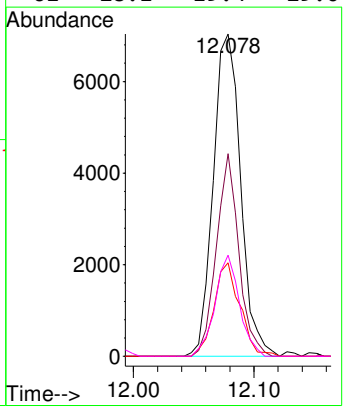


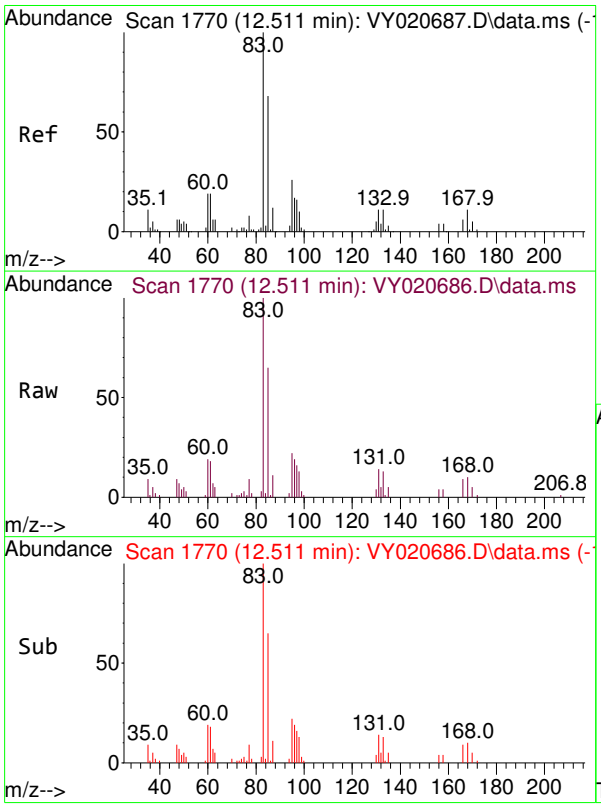


#74
N-amyl acetate
Concen: 18.802 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 43 Resp: 11066

Ion	Ratio	Lower	Upper
43	100		
70	51.7	34.2	51.2#
55	27.6	19.6	29.4
61	28.1	19.4	29.0



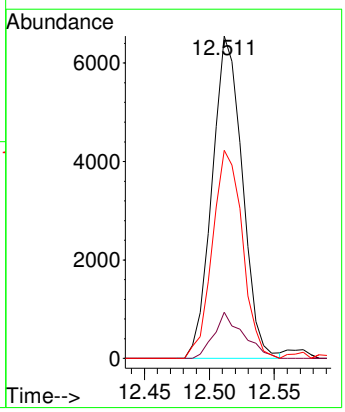


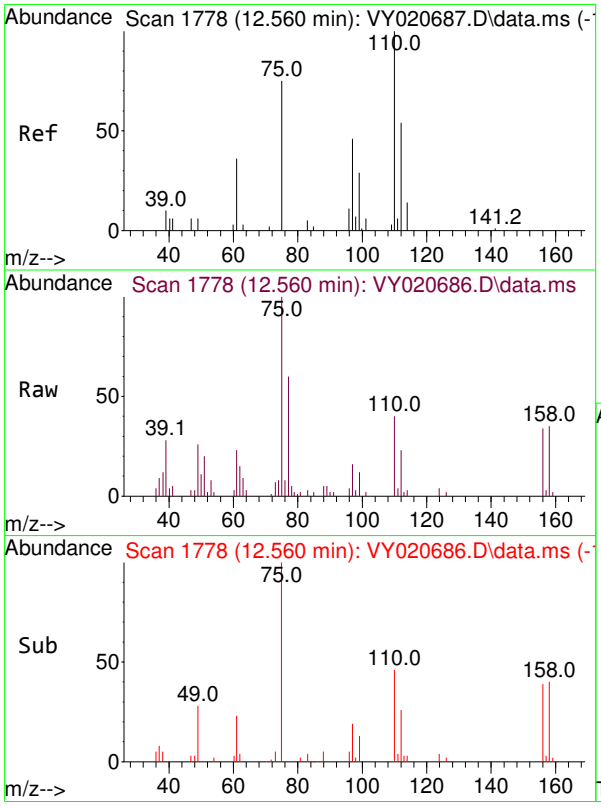
#75
1,1,2,2-Tetrachloroethane
Concen: 19.634 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 10583

Ion	Ratio	Lower	Upper
83	100		
131	13.8	5.2	15.6
85	64.3	32.5	97.4

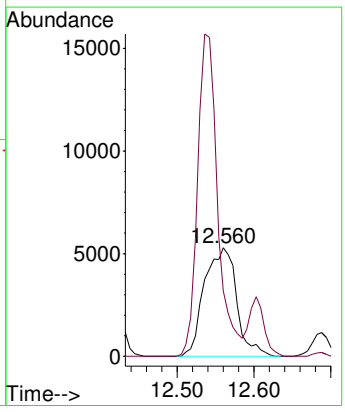


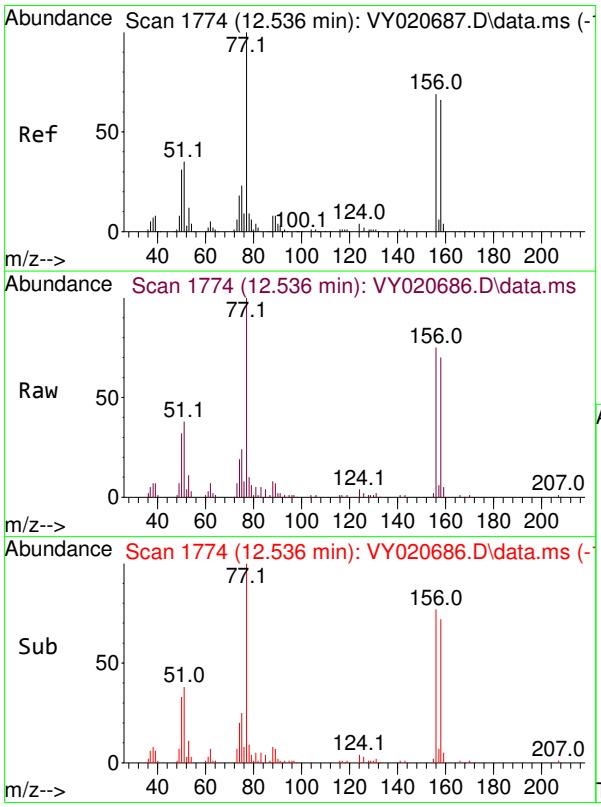


#76
1,2,3-Trichloropropane
Concen: 38.207 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 15421

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



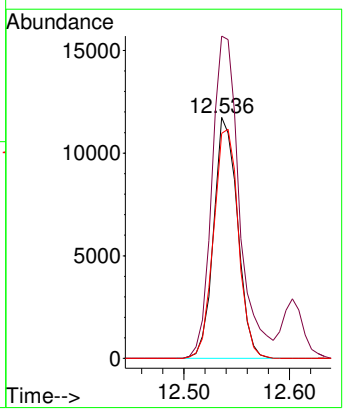


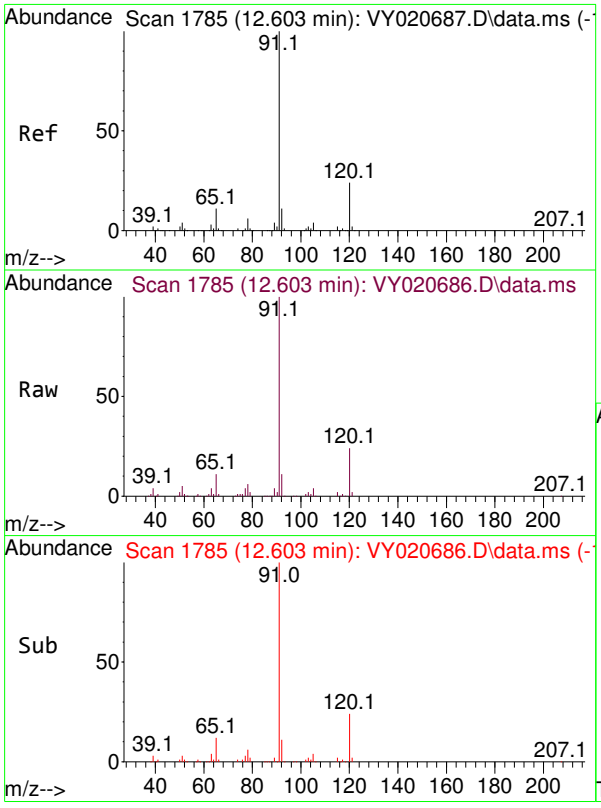
#77
Bromobenzene
Concen: 19.425 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 18528

Ion	Ratio	Lower	Upper
156	100		
77	154.0	94.2	282.4
158	98.9	48.9	146.6

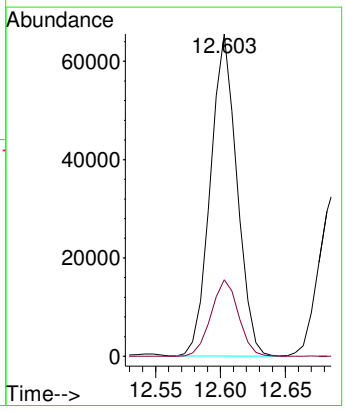


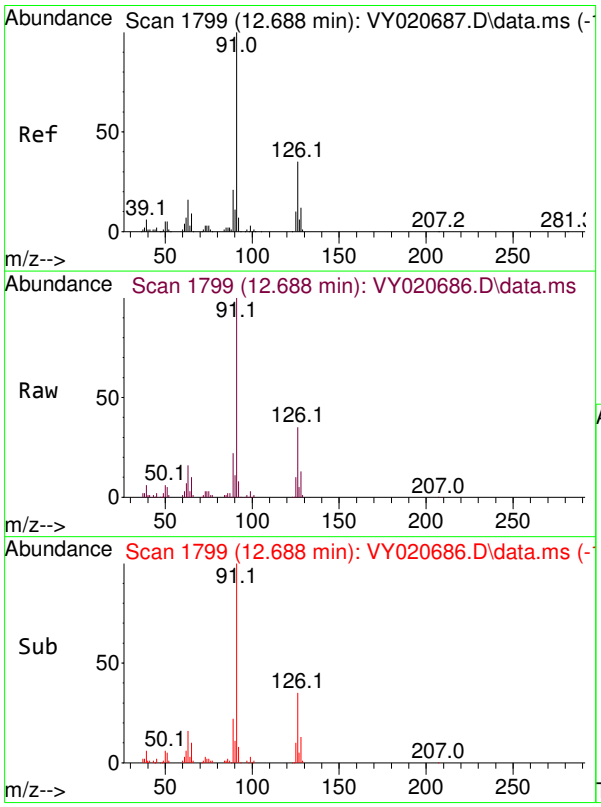


#78
n-propylbenzene
Concen: 19.749 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 93262

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1



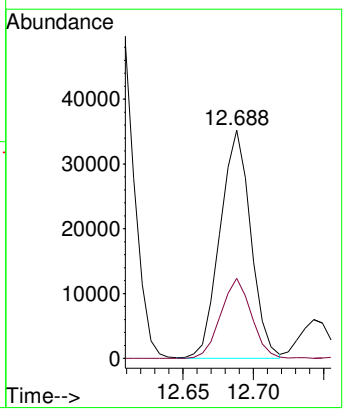


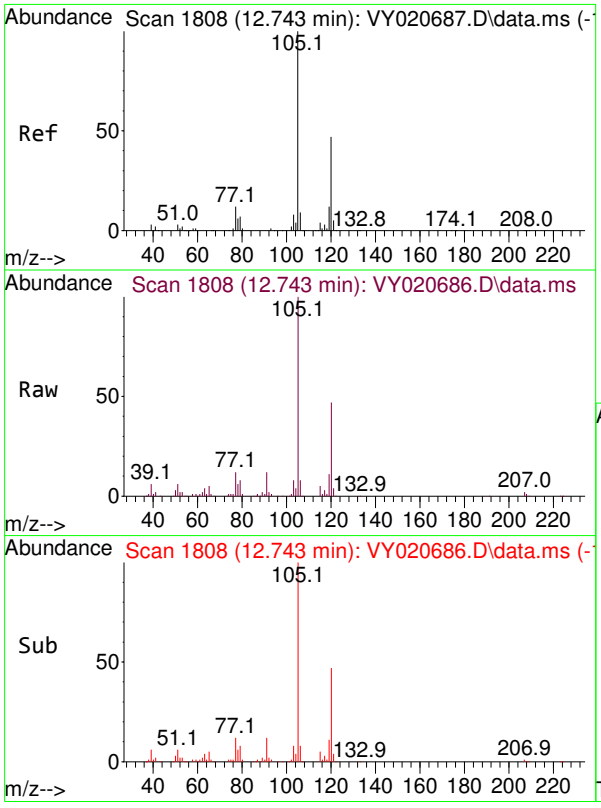
#79
2-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 53431

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.7

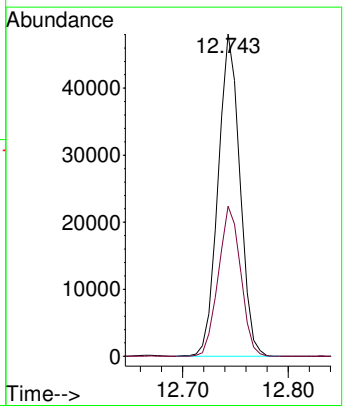


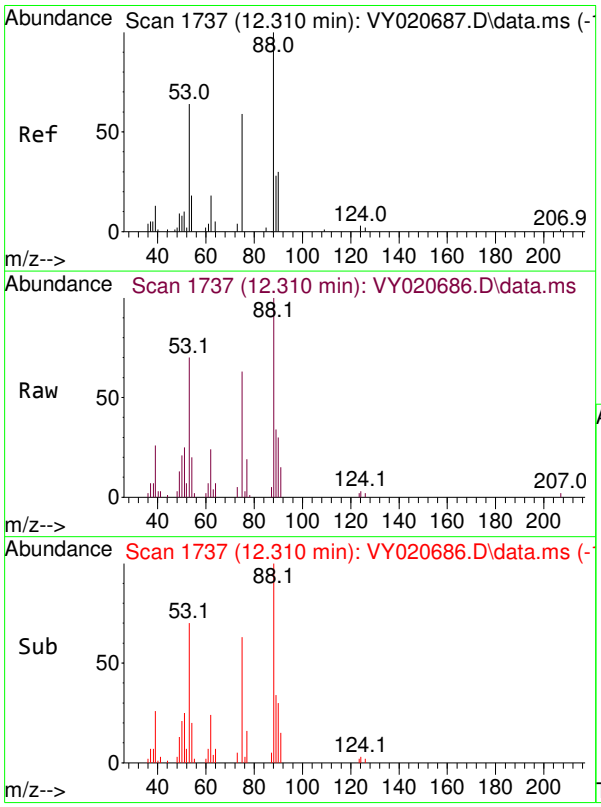


#80
1,3,5-Trimethylbenzene
Concen: 19.953 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 69321

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7



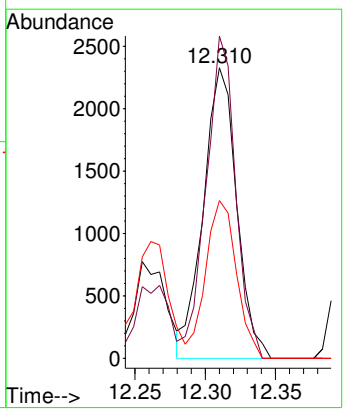


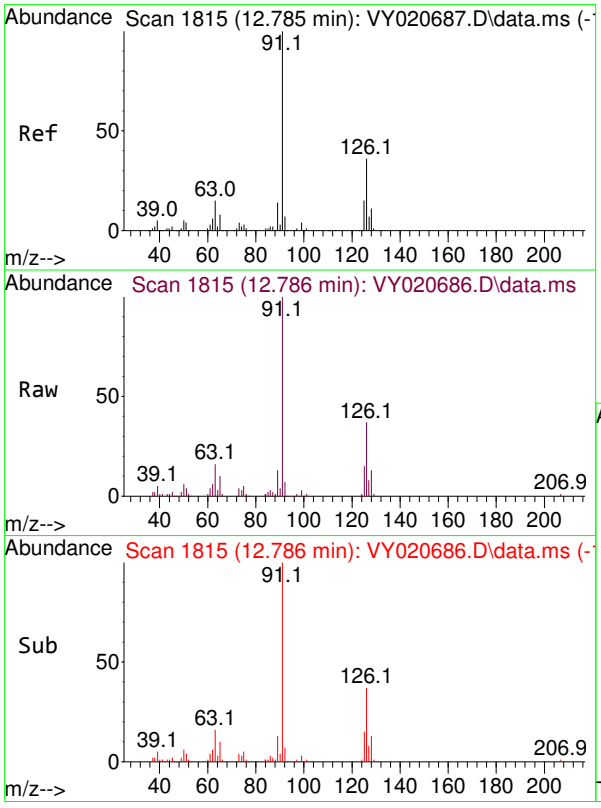
#81
trans-1,4-Dichloro-2-butene
Concen: 19.584 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 3826

Ion	Ratio	Lower	Upper
75	100		
53	98.4	75.4	113.2
89	50.2	37.0	55.4

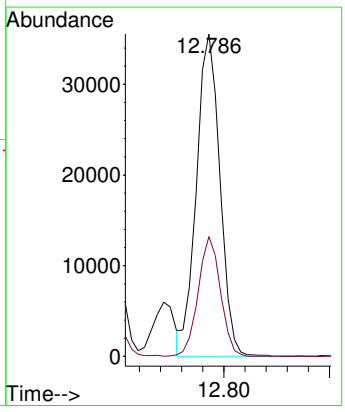


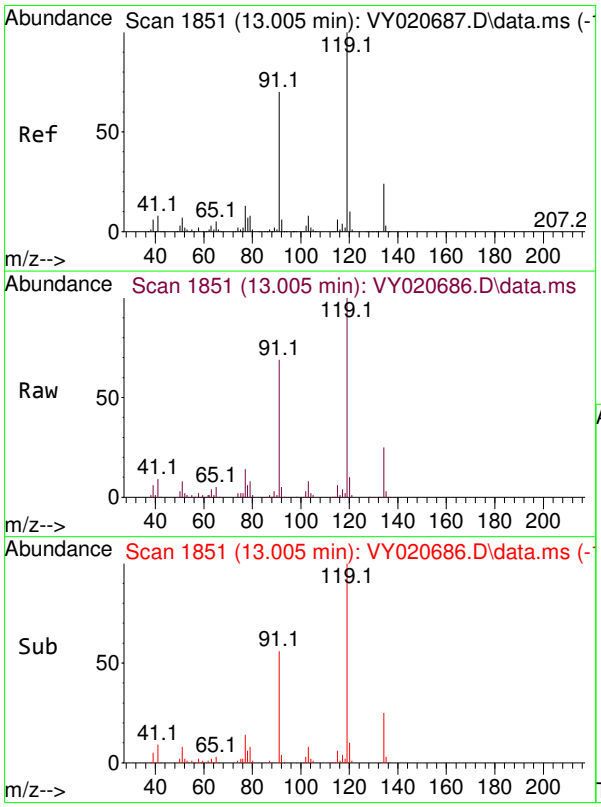


#82
4-Chlorotoluene
Concen: 20.050 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 91 Resp: 54974

Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.6	49.7



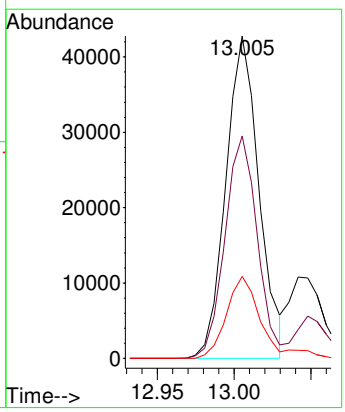


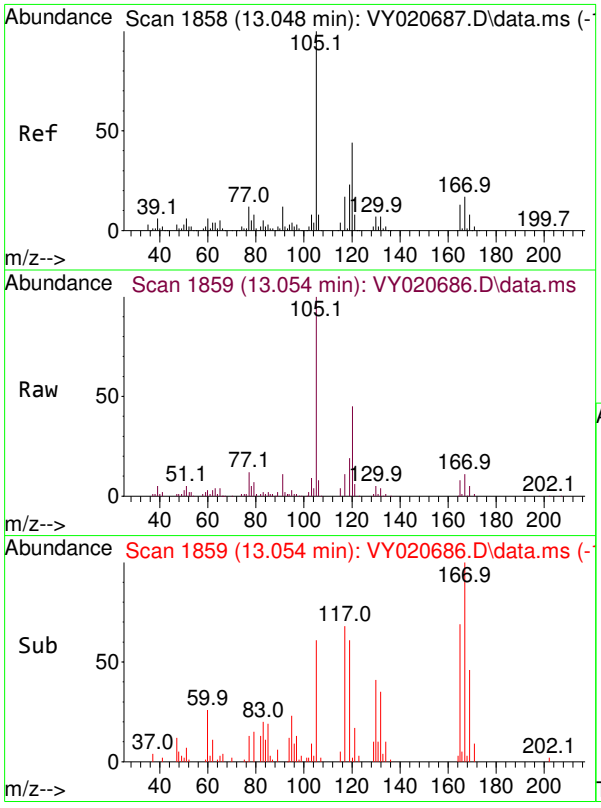
#83
tert-Butylbenzene
Concen: 19.870 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 64233

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.9	13.1	39.1

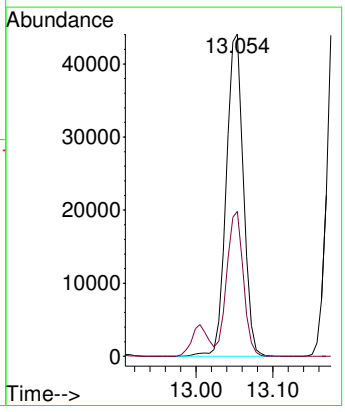


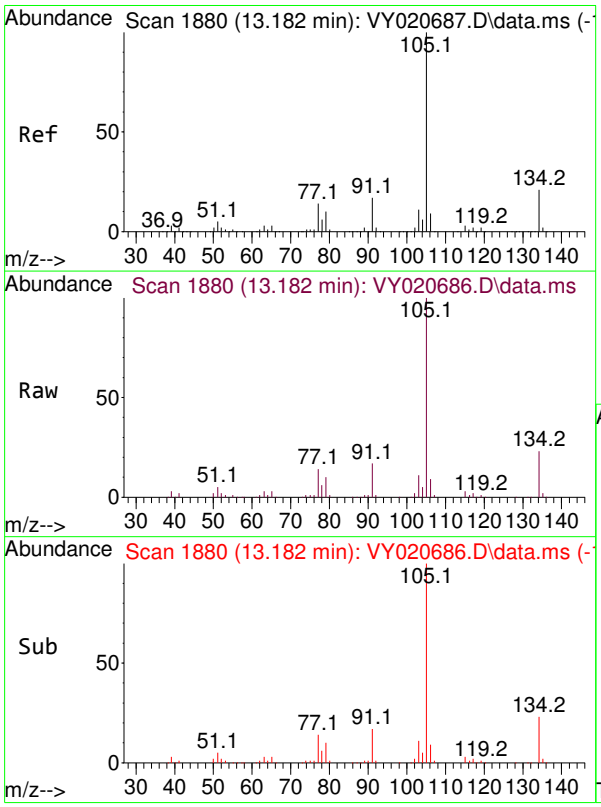


#84
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:105 Resp: 68281

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



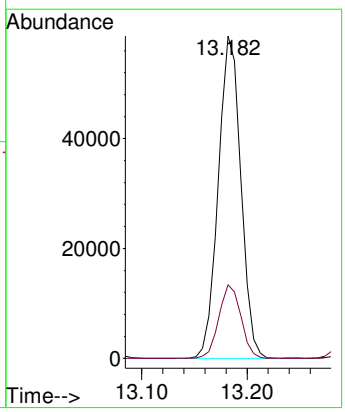


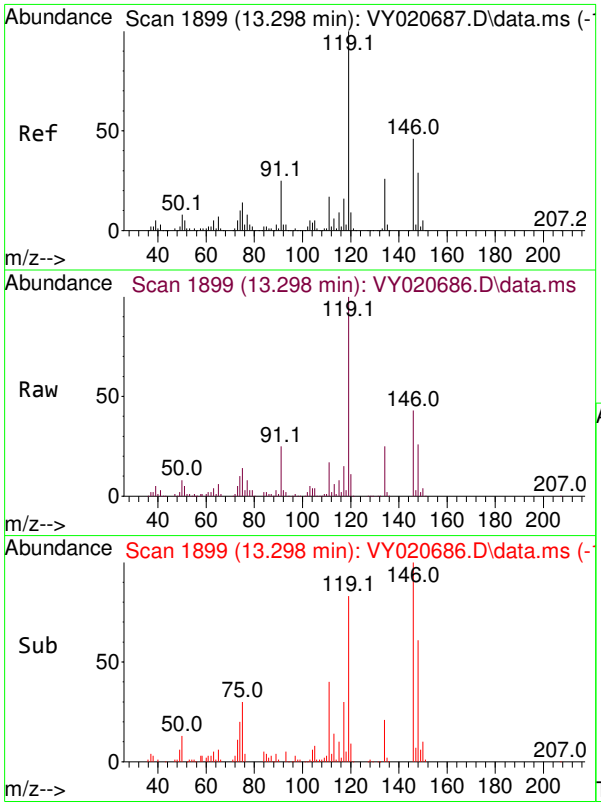
#85
sec-Butylbenzene
Concen: 20.107 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 87518

Ion	Ratio	Lower	Upper
105	100		
134	22.3	10.0	30.0

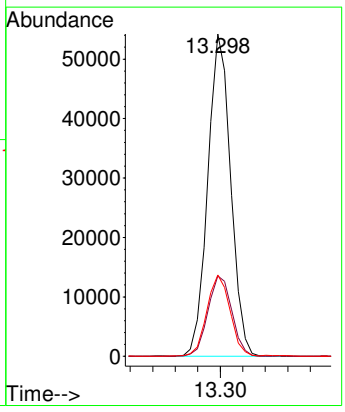


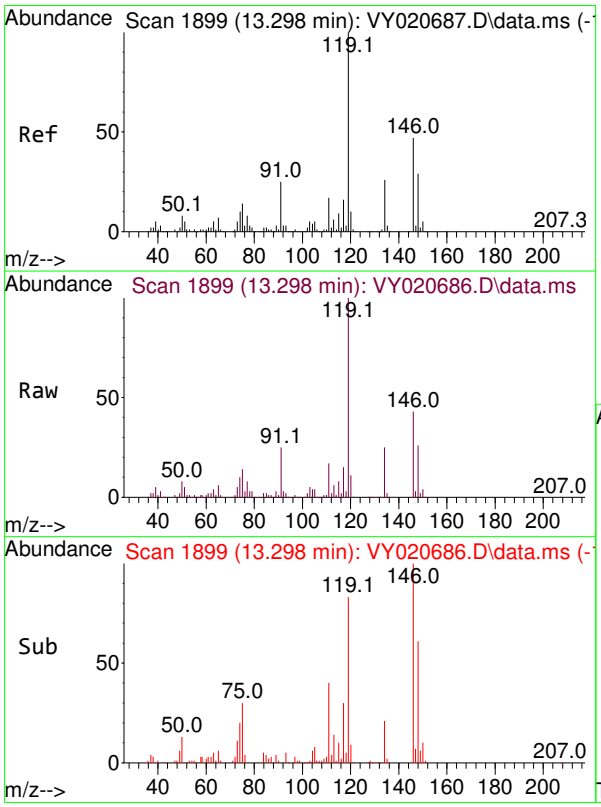


#86
p-Isopropyltoluene
Concen: 20.134 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:119 Resp: 76618

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.0	12.1	36.3



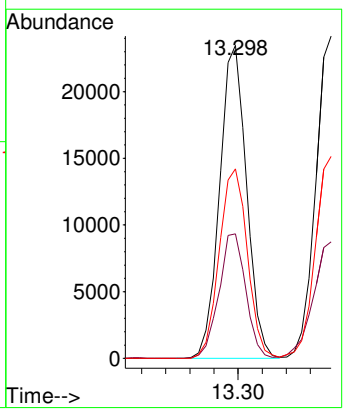


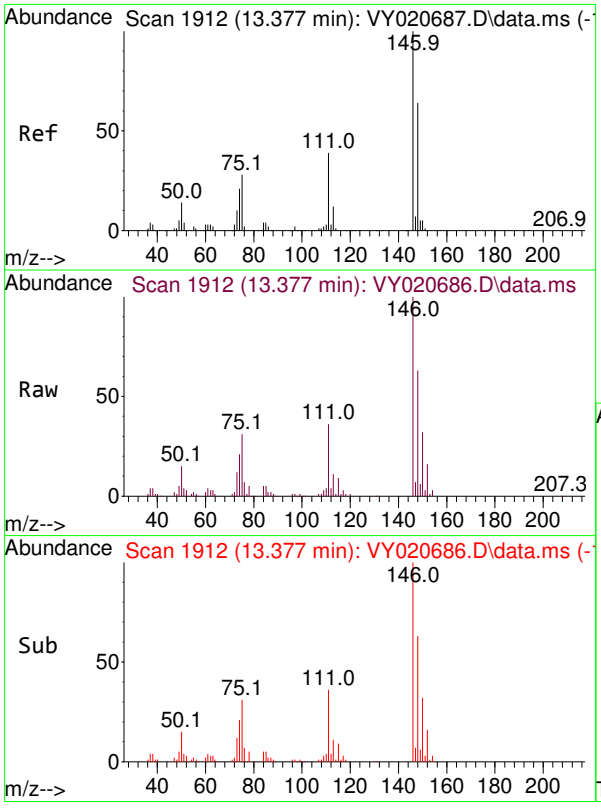
#87
1,3-Dichlorobenzene
Concen: 19.614 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 36344

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.8
148	63.2	31.4	94.0

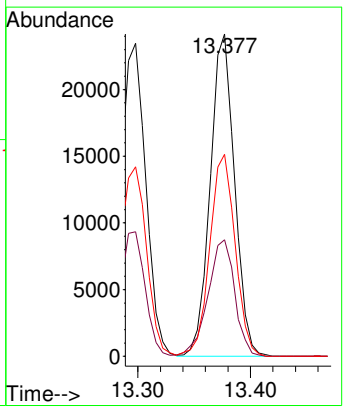


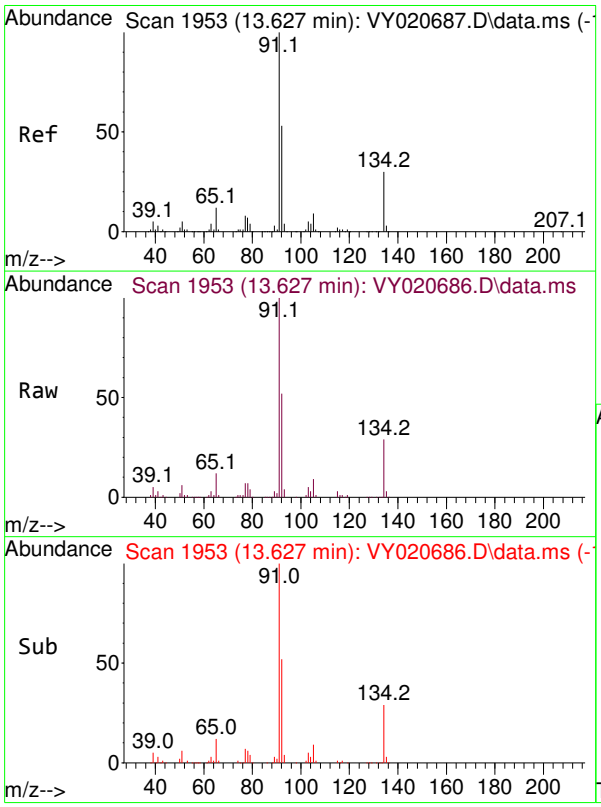


#88
1,4-Dichlorobenzene
Concen: 19.987 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:146 Resp: 36284

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	65.3	31.9	95.5



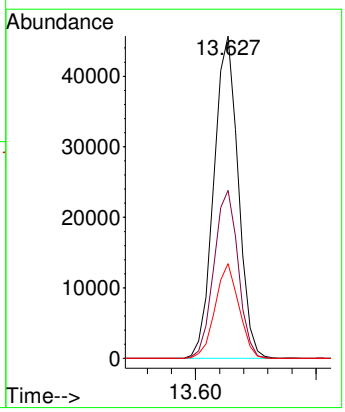


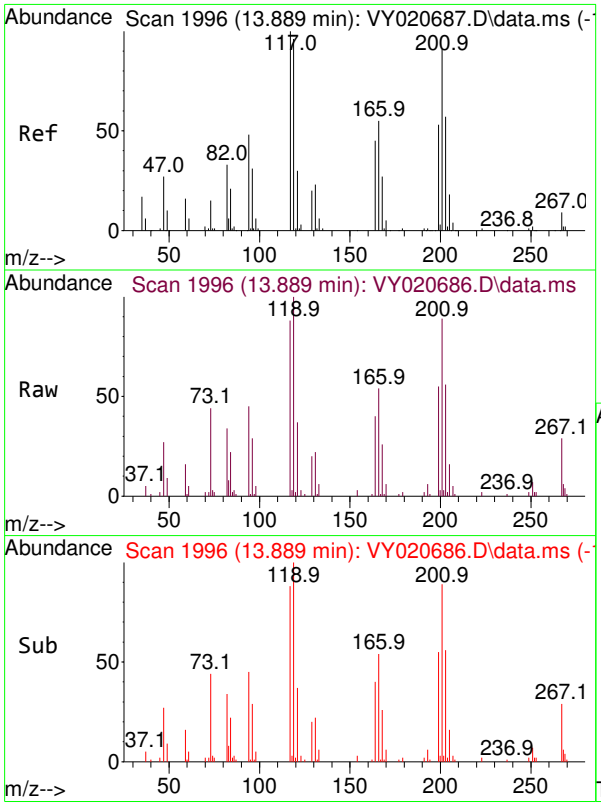
#89
n-Butylbenzene
Concen: 19.990 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 64084

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	28.7	12.5	37.5

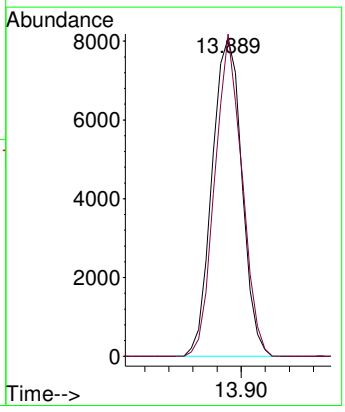


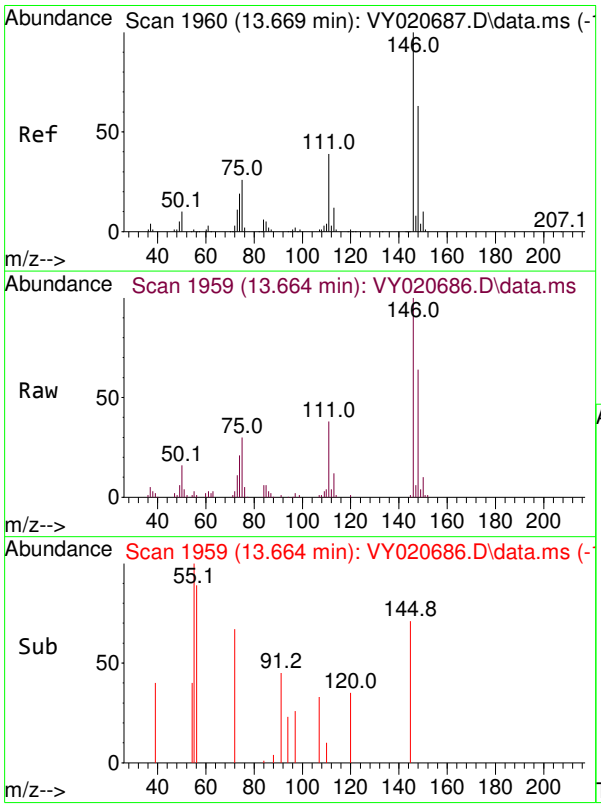


#90
Hexachloroethane
Concen: 19.146 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:117 Resp: 13822

Ion	Ratio	Lower	Upper
117	100		
201	92.2	39.1	117.3



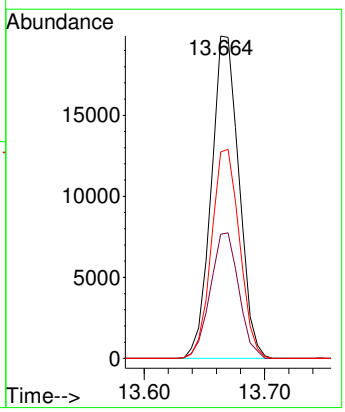


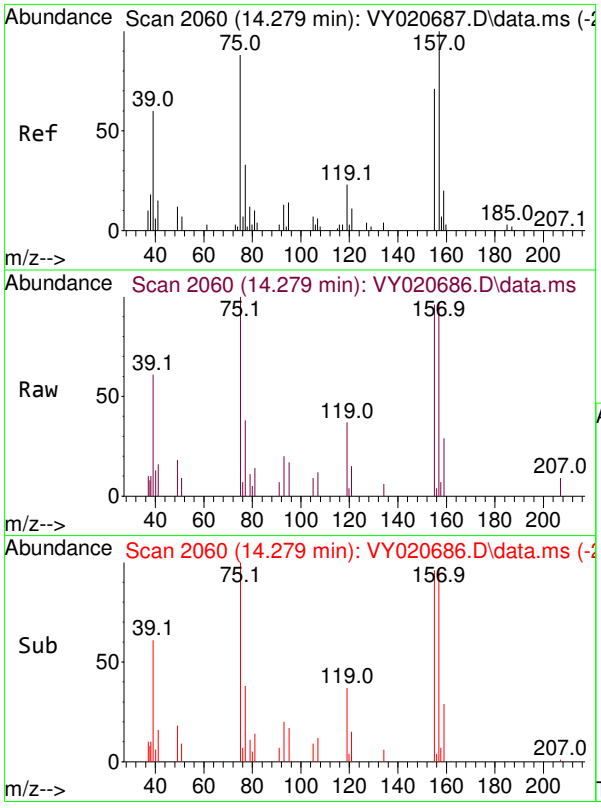
#91
1,2-Dichlorobenzene
Concen: 19.915 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 31668

Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	63.7
148	65.8	32.0	96.0

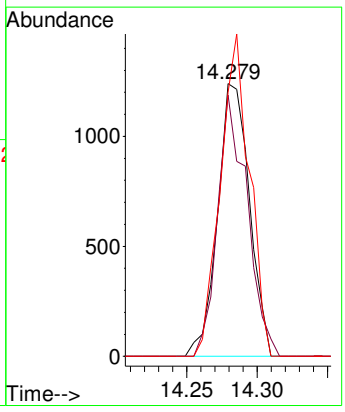


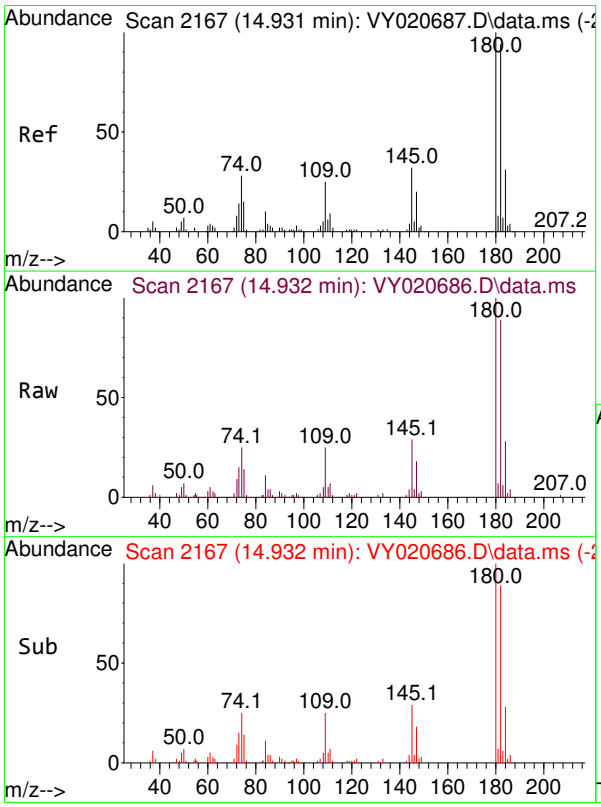


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.947 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion: 75 Resp: 1946

Ion	Ratio	Lower	Upper
75	100		
155	88.9	41.1	123.3
157	108.1	52.9	158.8



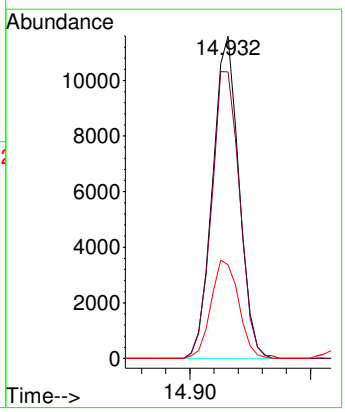


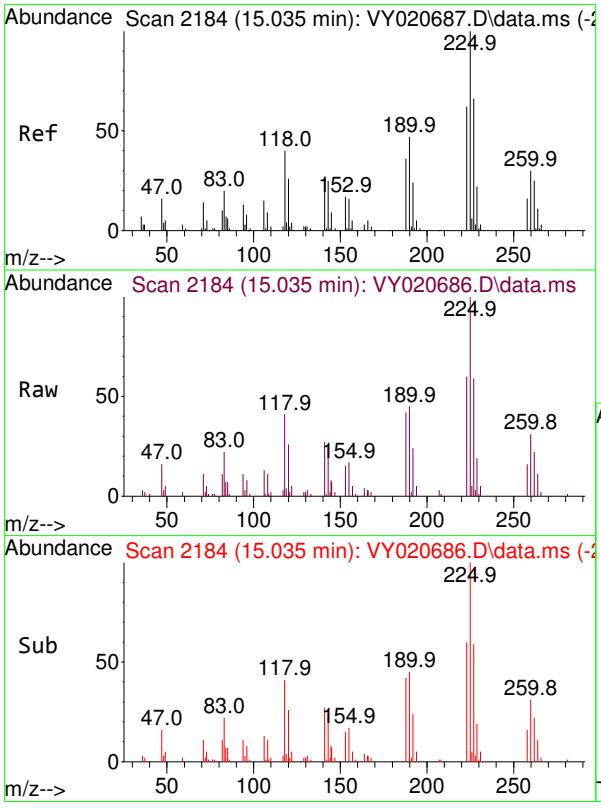
#93
1,2,4-Trichlorobenzene
Concen: 18.593 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 17553

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	32.0	15.6	46.7

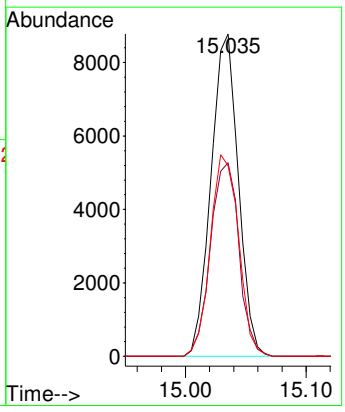


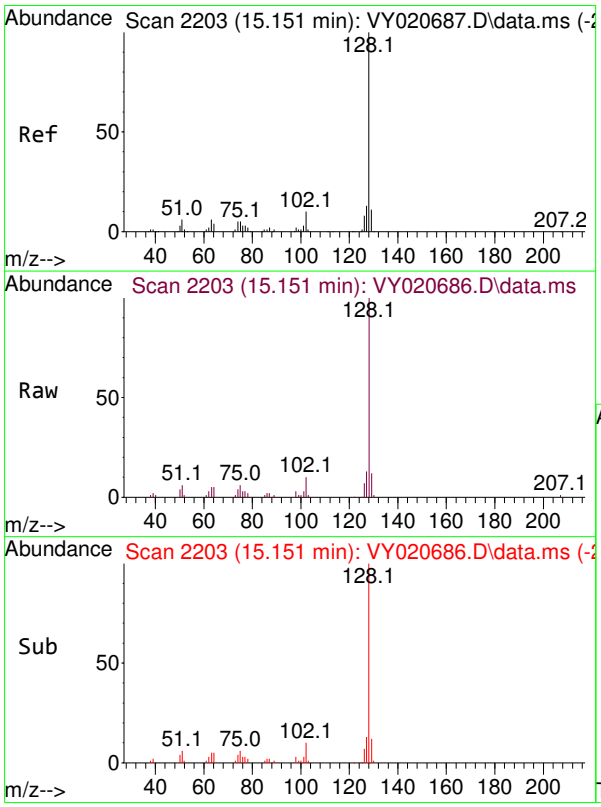


#94
Hexachlorobutadiene
Concen: 19.644 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:225 Resp: 13808

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	64.6	32.2	96.6



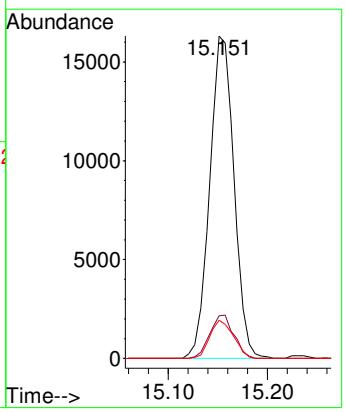


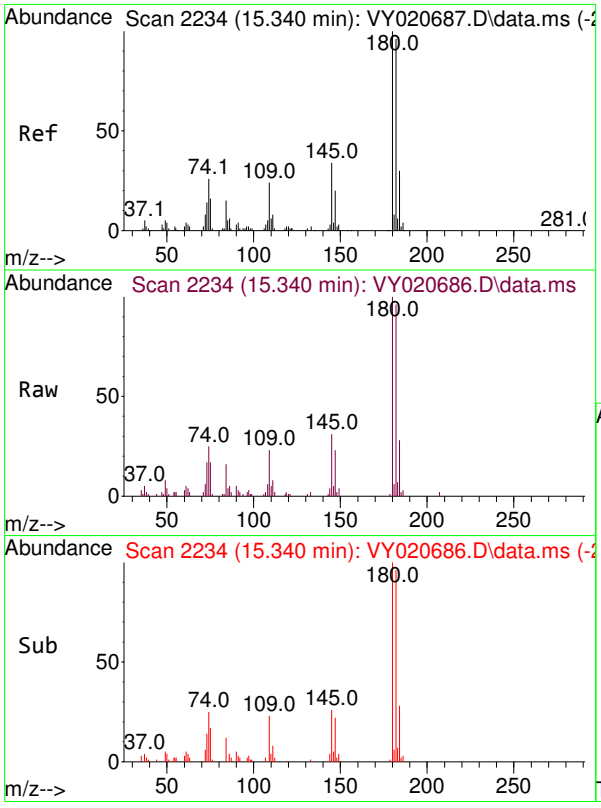
#95
Naphthalene
Concen: 18.322 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 27861

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.5	8.5	12.7

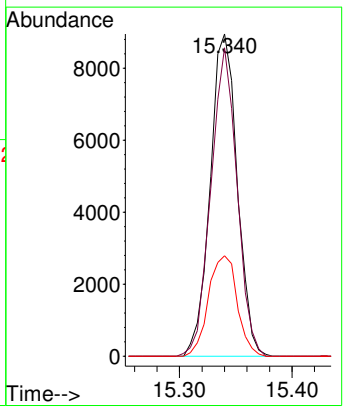




#96
1,2,3-Trichlorobenzene
Concen: 18.952 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020686.D
Acq: 23 Dec 2024 12:16

Tgt Ion:180 Resp: 14958

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	33.1	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.725	168	100940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	139898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	121636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	61579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	51574	57.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.380%			
35) Dibromofluoromethane	7.646	113	46154	56.186	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.380%			
50) Toluene-d8	10.115	98	174000	58.320	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.640%			
62) 4-Bromofluorobenzene	12.414	95	59386	54.687	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	42835	55.082	ug/l	96
3) Chloromethane	2.080	50	17777	56.112	ug/l	97
4) Vinyl Chloride	2.214	62	21381	55.354	ug/l	97
5) Bromomethane	2.610	94	15093	55.337	ug/l	96
6) Chloroethane	2.751	64	12908	54.984	ug/l	95
7) Trichlorofluoromethane	3.080	101	77184	55.566	ug/l	97
8) Diethyl Ether	3.470	74	19441	58.473	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.836	101	41734	55.021	ug/l	93
10) Methyl Iodide	4.025	142	50719	58.046	ug/l	88
11) Tert butyl alcohol	4.878	59	16066	224.495	ug/l #	84
12) 1,1-Dichloroethene	3.811	96	37410	55.572	ug/l	92
13) Acrolein	3.671	56	3945	276.475	ug/l	99
14) Allyl chloride	4.409	41	43532	55.144	ug/l #	70
15) Acrylonitrile	5.080	53	38117	311.030	ug/l	96
16) Acetone	3.885	43	29306	287.002	ug/l	100
17) Carbon Disulfide	4.128	76	98751	58.837	ug/l	99
18) Methyl Acetate	4.403	43	17098	64.721	ug/l #	85
19) Methyl tert-butyl Ether	5.134	73	105227	57.466	ug/l #	90
20) Methylene Chloride	4.635	84	37317	54.843	ug/l #	88
21) trans-1,2-Dichloroethene	5.141	96	40759	56.152	ug/l	87
22) Diisopropyl ether	6.037	45	90738	56.224	ug/l #	84
23) Vinyl Acetate	5.976	43	284907	298.130	ug/l #	87
24) 1,1-Dichloroethane	5.933	63	67447	56.061	ug/l	97
25) 2-Butanone	6.908	43	42834	298.618	ug/l #	78
26) 2,2-Dichloropropane	6.902	77	80543	53.510	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	47680	55.150	ug/l	91
28) Bromochloromethane	7.262	49	18468	51.512	ug/l #	58
29) Tetrahydrofuran	7.274	42	26976	319.967	ug/l #	75
30) Chloroform	7.433	83	84862	53.662	ug/l	96
31) Cyclohexane	7.719	56	54066	51.254	ug/l #	81
32) 1,1,1-Trichloroethane	7.634	97	91153	55.174	ug/l	96
36) 1,1-Dichloropropene	7.853	75	56184	56.269	ug/l	95
37) Ethyl Acetate	6.994	43	20340	62.332	ug/l #	94
38) Carbon Tetrachloride	7.835	117	91548	56.659	ug/l	96
39) Methylcyclohexane	9.121	83	71616	56.429	ug/l	93
40) Benzene	8.091	78	162713	56.488	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	11416	61.814	ug/l	#	85
42) 1,2-Dichloroethane	8.170	62	53759	58.683	ug/l		98
43) Isopropyl Acetate	8.207	43	42444	62.581	ug/l	#	91
44) Trichloroethene	8.878	130	47471	55.530	ug/l		96
45) 1,2-Dichloropropane	9.146	63	32310	57.090	ug/l		97
46) Dibromomethane	9.243	93	22781	58.307	ug/l		91
47) Bromodichloromethane	9.432	83	64511	58.206	ug/l		93
48) Methyl methacrylate	9.231	41	19395	60.325	ug/l	#	76
49) 1,4-Dioxane	9.243	88	5175	1263.038	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.005	43	103549	305.637	ug/l		93
52) Toluene	10.182	92	110772	56.472	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	57524	58.656	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	63223	58.506	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	29932	59.166	ug/l		91
56) Ethyl methacrylate	10.444	69	40146	62.210	ug/l		87
57) 1,3-Dichloropropane	10.725	76	49363	59.693	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	70894	293.980	ug/l	#	82
59) 2-Hexanone	10.768	43	69770	323.304	ug/l		92
60) Dibromochloromethane	10.920	129	46892	58.055	ug/l		99
61) 1,2-Dibromoethane	11.024	107	28413	59.909	ug/l		100
64) Tetrachloroethene	10.652	164	44055	54.535	ug/l		98
65) Chlorobenzene	11.450	112	124322	54.695	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	48471	54.608	ug/l		94
67) Ethyl Benzene	11.530	91	223894	54.902	ug/l		99
68) m/p-Xylenes	11.633	106	170991	109.956	ug/l		99
69) o-Xylene	11.962	106	81469	55.771	ug/l		100
70) Styrene	11.975	104	136156	55.416	ug/l		98
71) Bromoform	12.139	173	30077	59.159	ug/l	#	99
73) Isopropylbenzene	12.261	105	225831	53.916	ug/l		99
74) N-amyl acetate	12.078	43	36365	61.787	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.511	83	30636	56.838	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	46299	114.713	ug/l	#	100
77) Bromobenzene	12.536	156	52505	55.049	ug/l		85
78) n-propylbenzene	12.603	91	254354	53.863	ug/l		95
79) 2-Chlorotoluene	12.688	91	145847	54.253	ug/l		96
80) 1,3,5-Trimethylbenzene	12.743	105	188299	54.200	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	11989	61.368	ug/l		91
82) 4-Chlorotoluene	12.785	91	149088	54.377	ug/l		95
83) tert-Butylbenzene	13.005	119	175014	54.141	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	187108	55.133	ug/l		100
85) sec-Butylbenzene	13.182	105	234783	53.941	ug/l		97
86) p-Isopropyltoluene	13.298	119	207868	54.626	ug/l		97
87) 1,3-Dichlorobenzene	13.298	146	103140	55.664	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	98848	54.451	ug/l		98
89) n-Butylbenzene	13.627	91	173932	54.256	ug/l		96
90) Hexachloroethane	13.889	117	39363	54.527	ug/l		87
91) 1,2-Dichlorobenzene	13.669	146	88113	55.411	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5889	57.338	ug/l		92
93) 1,2,4-Trichlorobenzene	14.931	180	54343	57.563	ug/l		100
94) Hexachlorobutadiene	15.035	225	38655	54.993	ug/l		99
95) Naphthalene	15.151	128	94107	53.559	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	45974	58.249	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

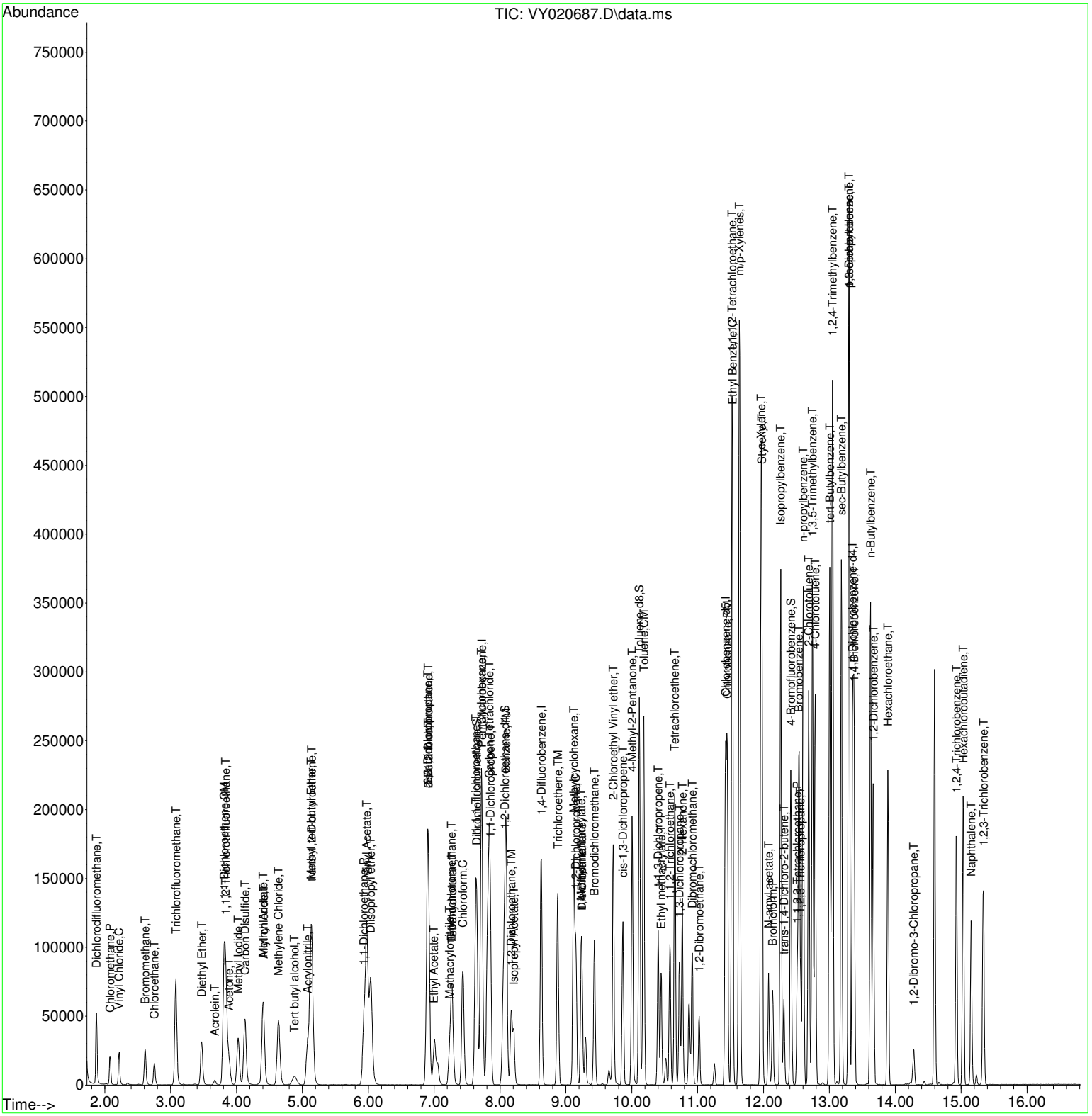
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

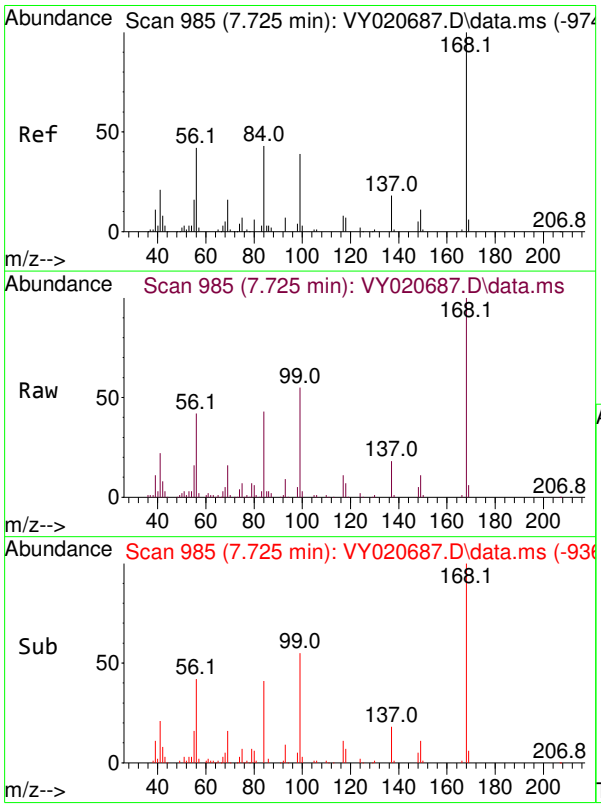
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020687.D
Acq On : 23 Dec 2024 12:38
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 23 13:47:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration



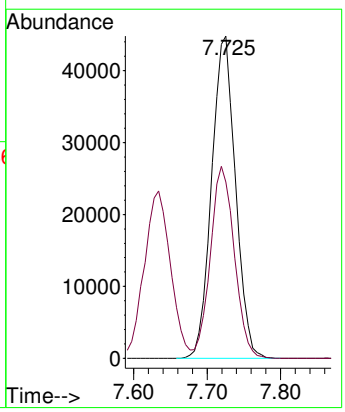


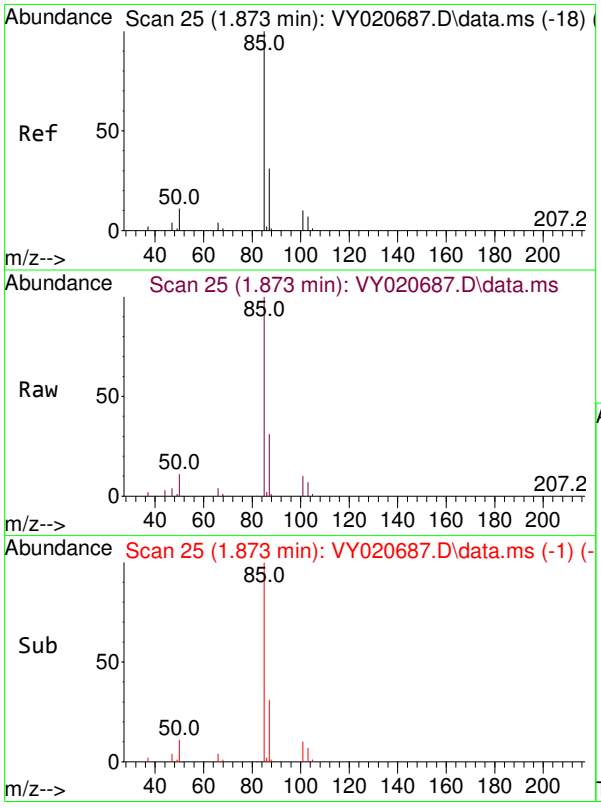
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 100940

Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.0	70.6

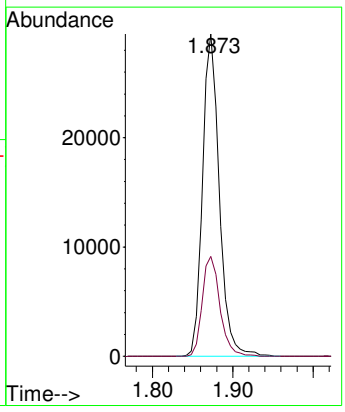


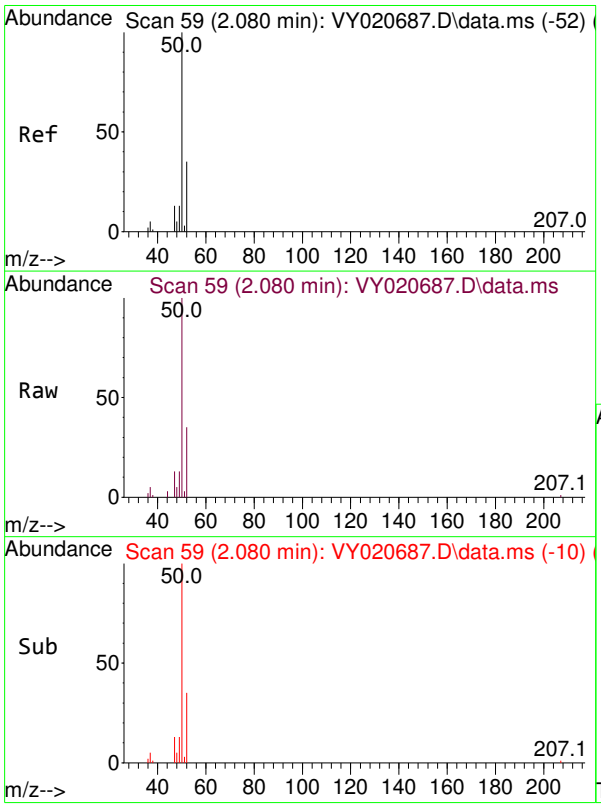


#2
Dichlorodifluoromethane
Concen: 55.082 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 85 Resp: 42835

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.8	50.3



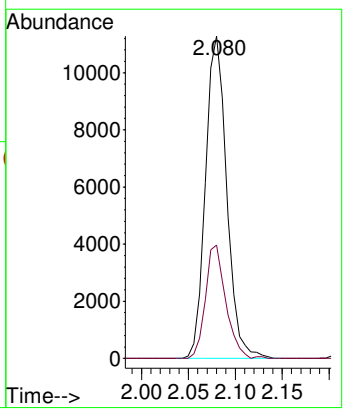


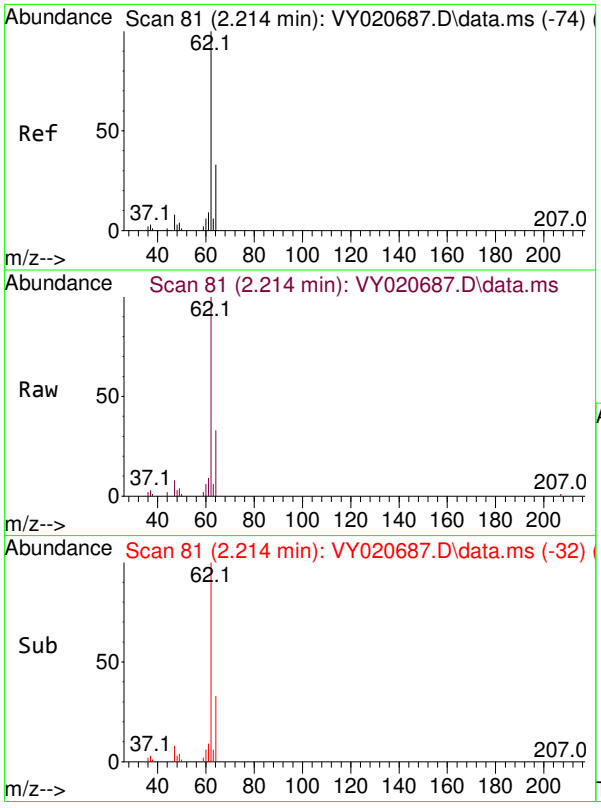
#3
Chloromethane
Concen: 56.112 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 17777

Ion	Ratio	Lower	Upper
50	100		
52	35.2	26.8	40.2

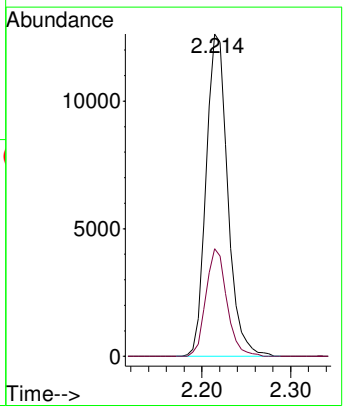


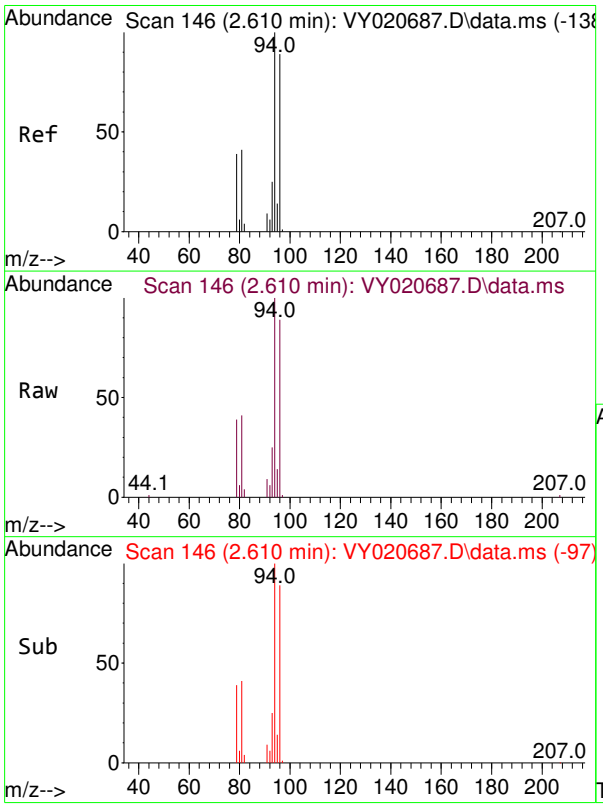


#4
Vinyl Chloride
Concen: 55.354 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 62 Resp: 21381

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9



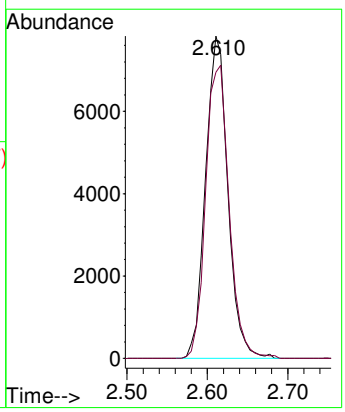


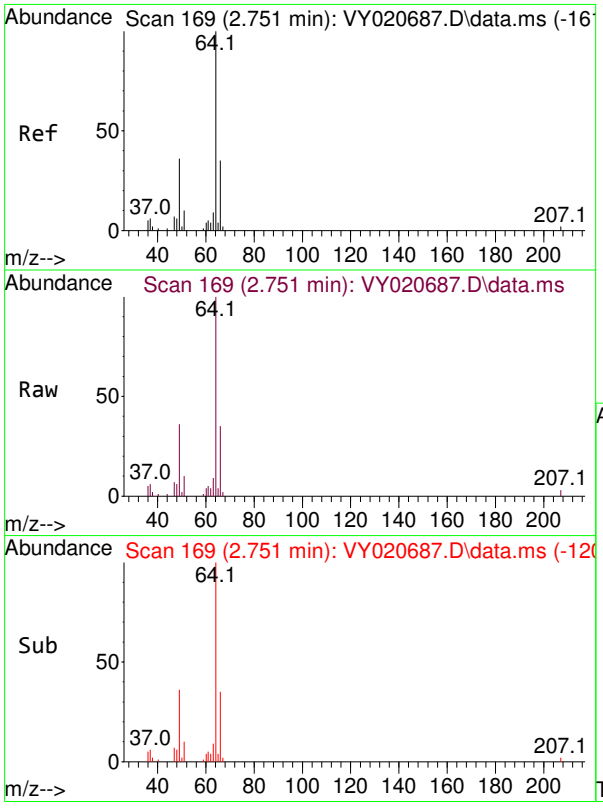
#5
Bromomethane
Concen: 55.337 ug/l
RT: 2.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 15093

Ion	Ratio	Lower	Upper
94	100		
96	88.8	73.8	110.6

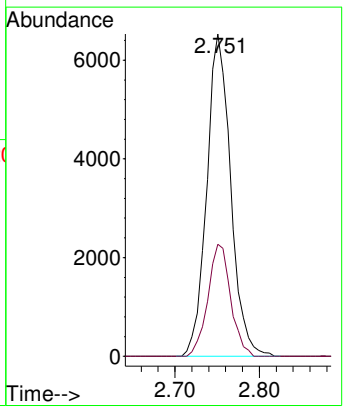


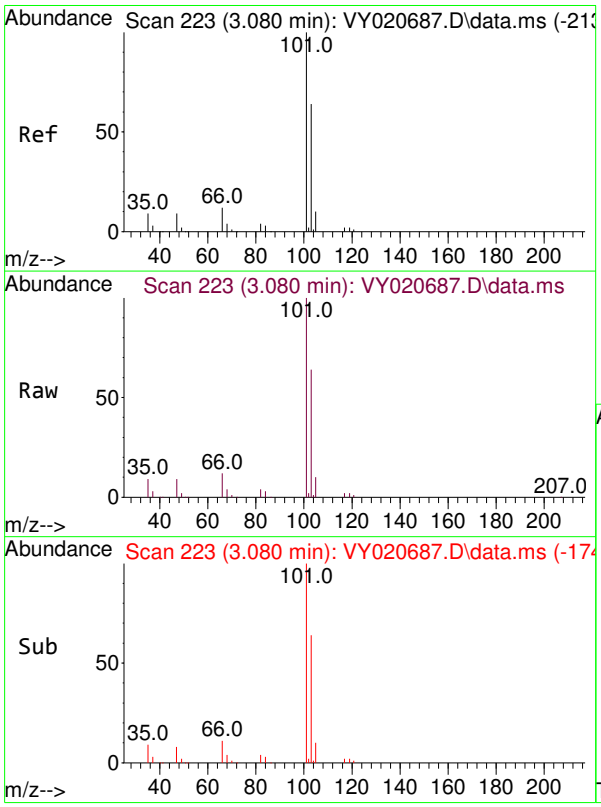


#6
Chloroethane
Concen: 54.984 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 64 Resp: 12908

Ion	Ratio	Lower	Upper
64	100		
66	34.8	25.8	38.6



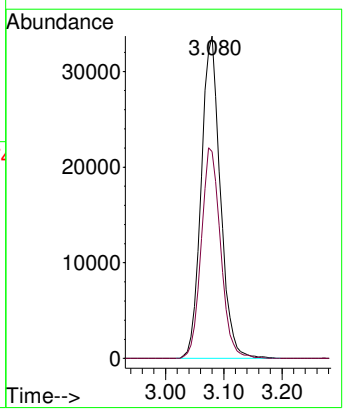


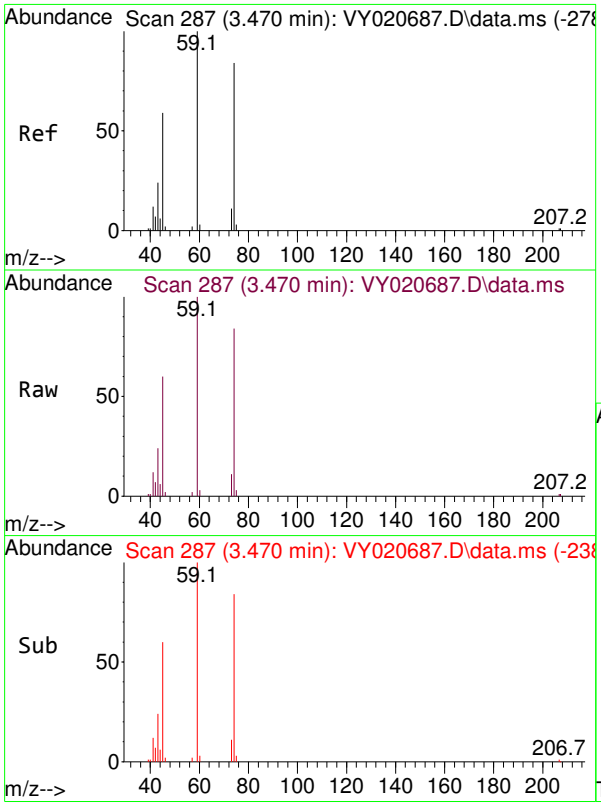
#7
Trichlorofluoromethane
Concen: 55.566 ug/l
RT: 3.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 77184

Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0

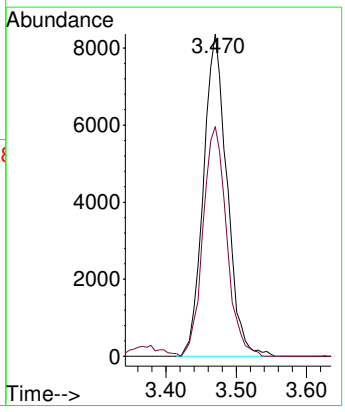


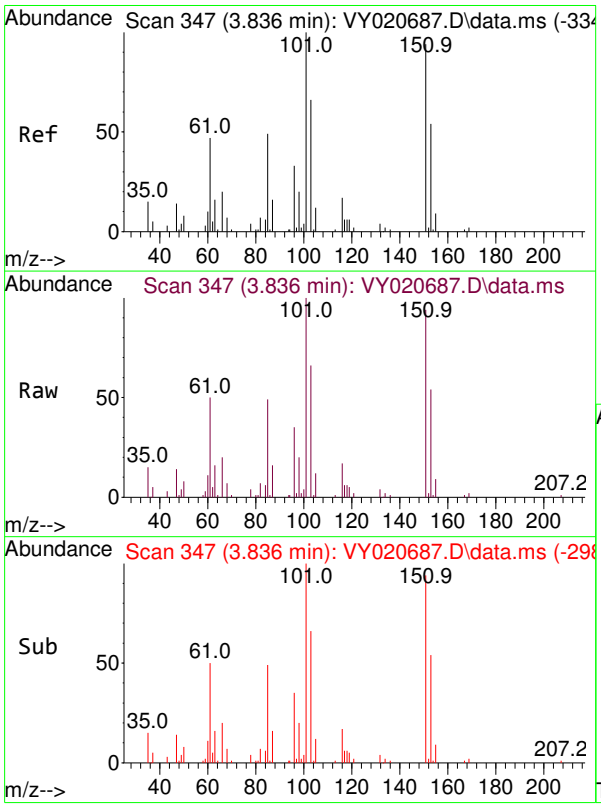


#8
Diethyl Ether
Concen: 58.473 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 74 Resp: 19441

Ion	Ratio	Lower	Upper
74	100		
45	71.6	49.0	147.2



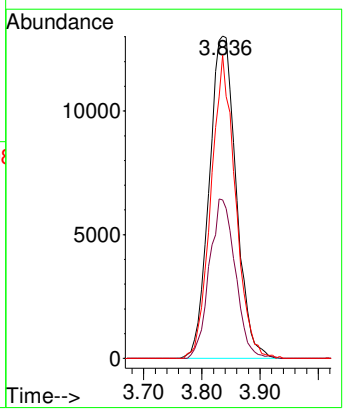


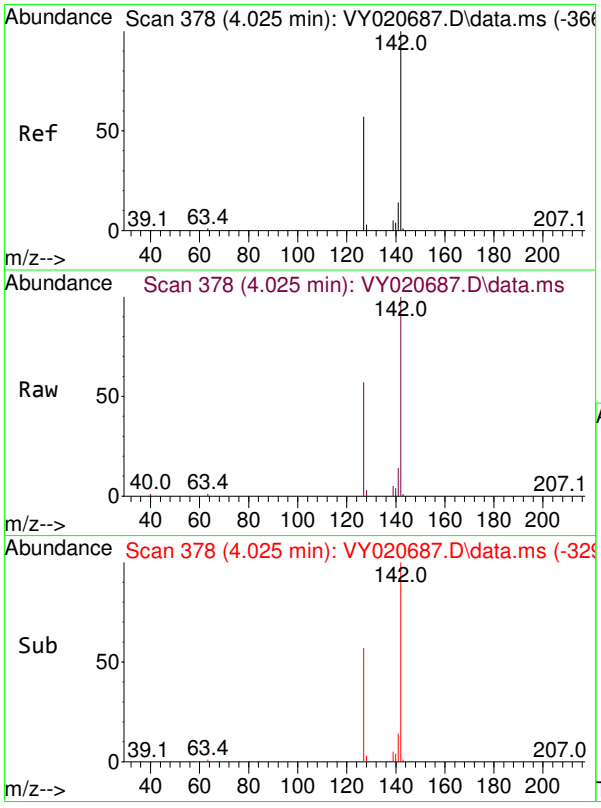
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.021 ug/l
RT: 3.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 41734

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.6	54.8
151	85.5	61.5	92.3

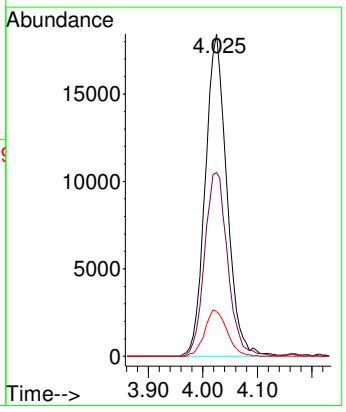


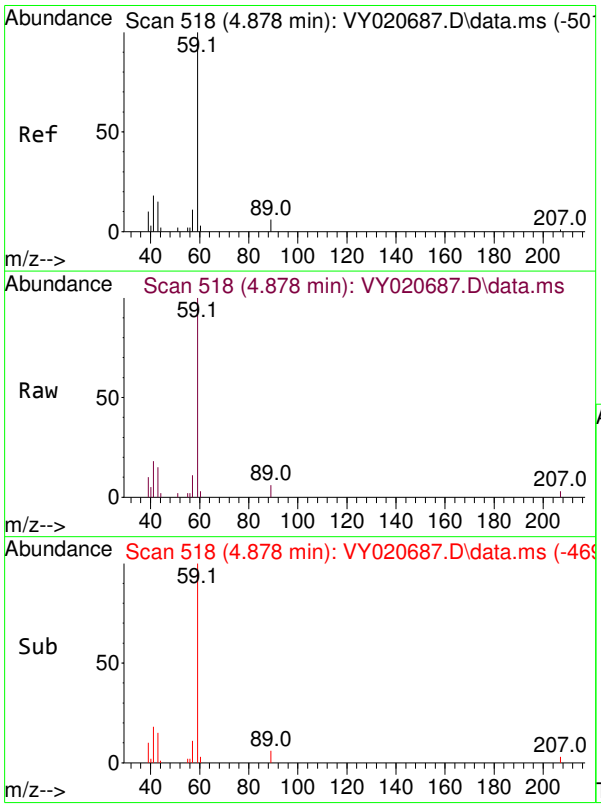


#10
Methyl Iodide
Concen: 58.046 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:142 Resp: 50719

Ion	Ratio	Lower	Upper
142	100		
127	61.0	40.6	61.0
141	14.9	11.7	17.5



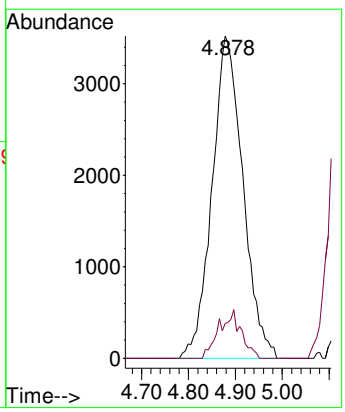


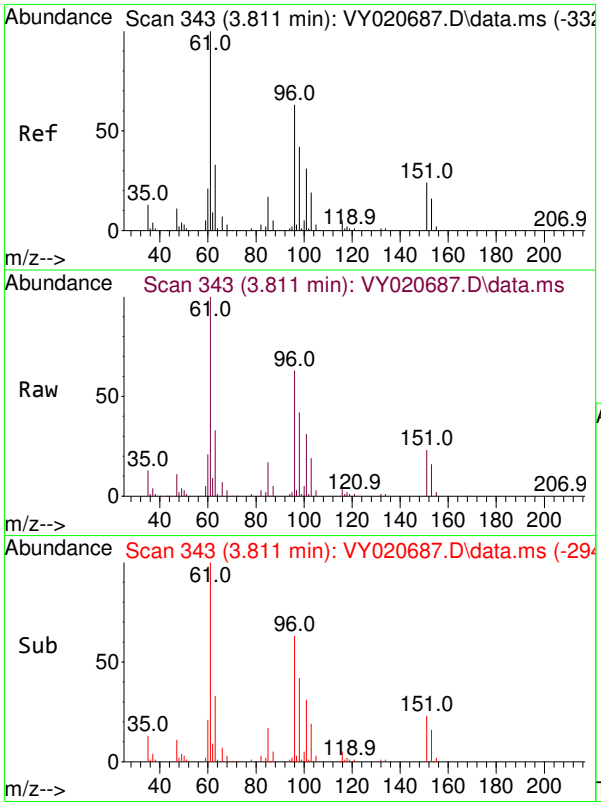
#11
Tert butyl alcohol
Concen: 224.495 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 16066

Ion	Ratio	Lower	Upper
59	100		
57	3.5	7.4	11.0#

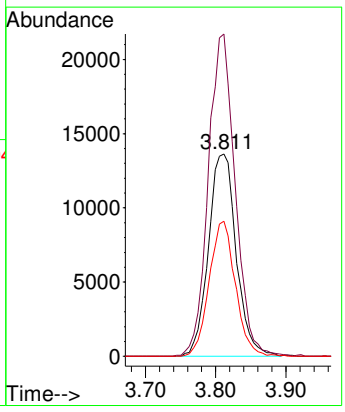


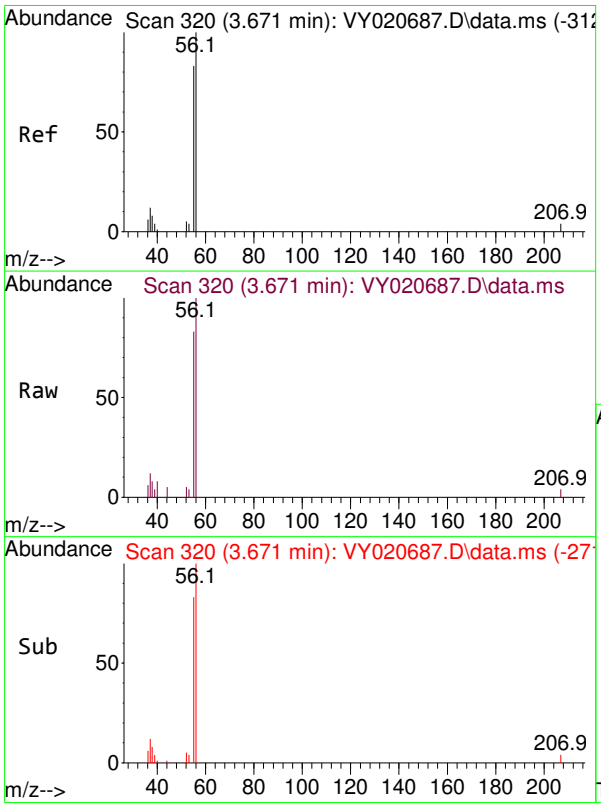


#12
1,1-Dichloroethene
Concen: 55.572 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 96 Resp: 37410

Ion	Ratio	Lower	Upper
96	100		
61	158.9	136.9	205.3
98	66.7	50.2	75.4



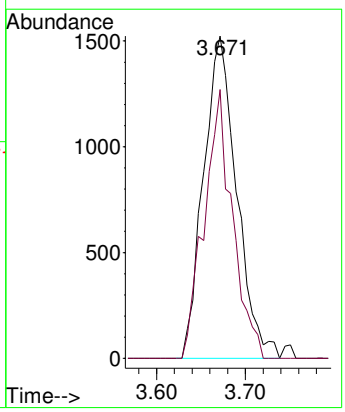


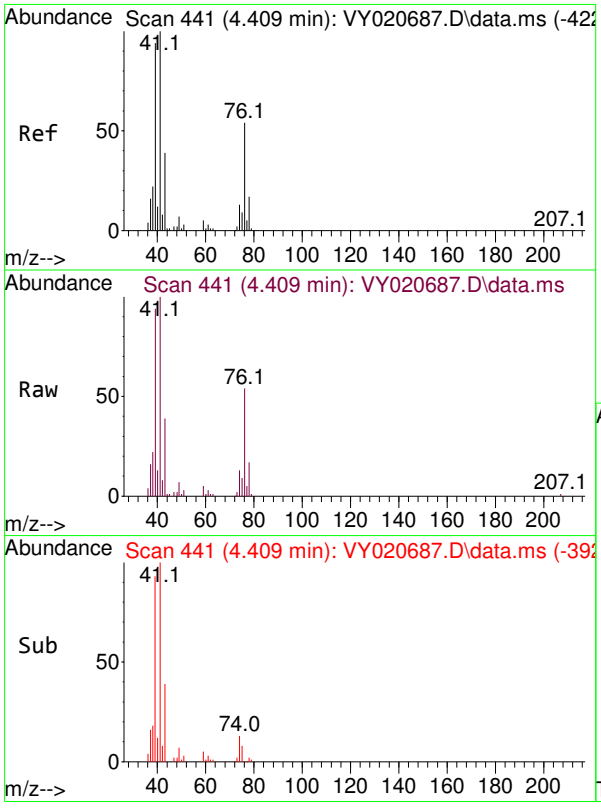
#13
Acrolein
Concen: 276.475 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 3945

Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.5	86.3

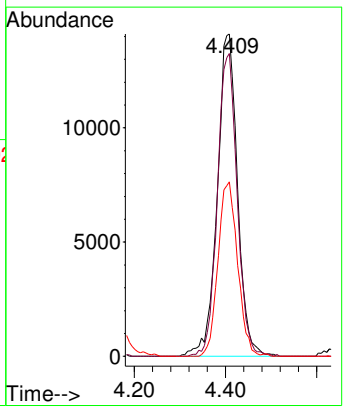


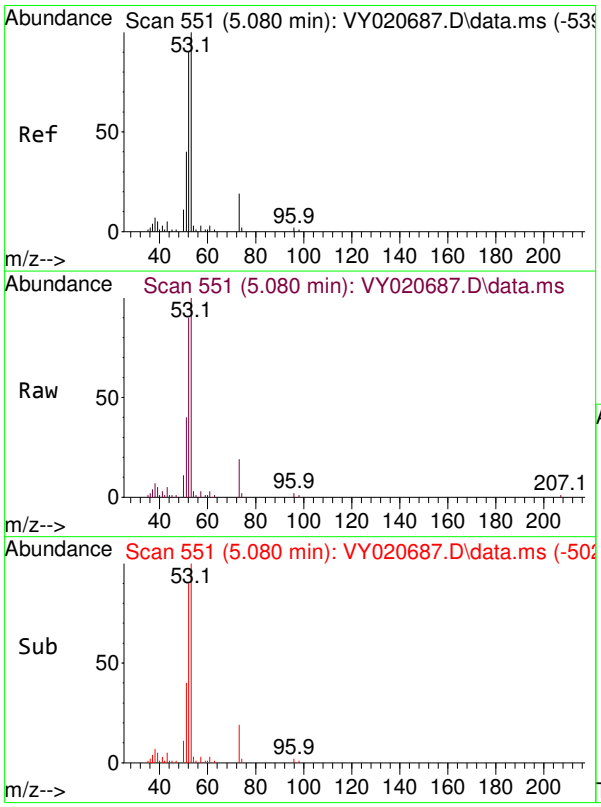


#14
Allyl chloride
Concen: 55.144 ug/l
RT: 4.409 min Scan# 441
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 41 Resp: 43532

Ion	Ratio	Lower	Upper
41	100		
39	91.9	53.0	79.4#
76	52.3	29.5	44.3#



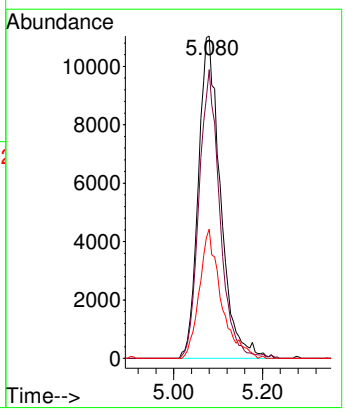


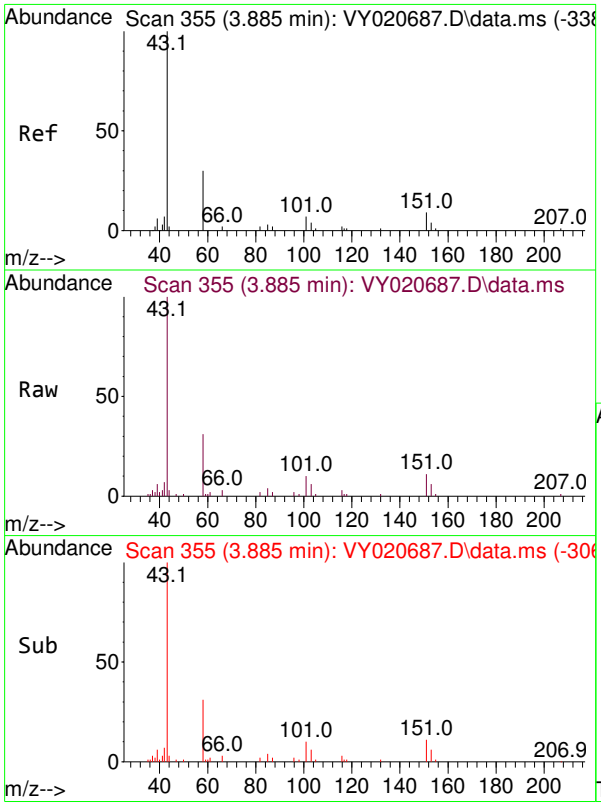
#15
Acrylonitrile
Concen: 311.030 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 38117

Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.5	96.7
51	39.2	29.4	44.0

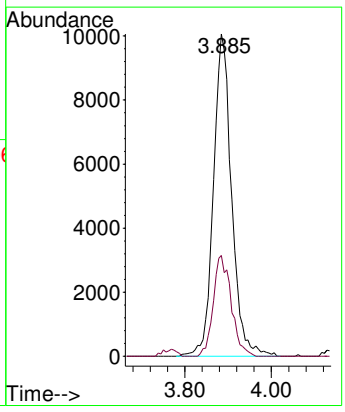


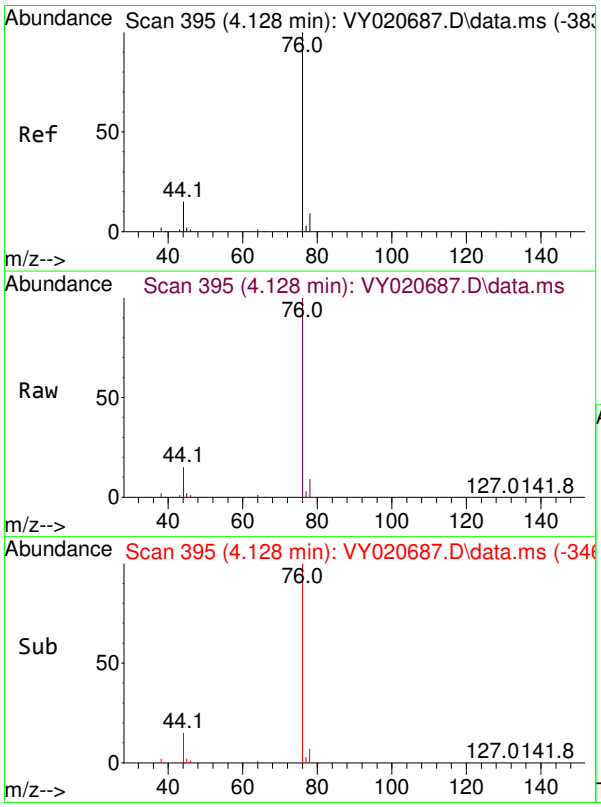


#16
Acetone
Concen: 287.002 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 29306

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6



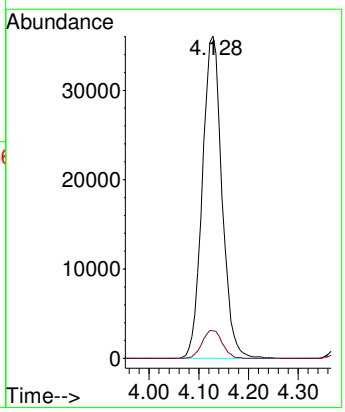


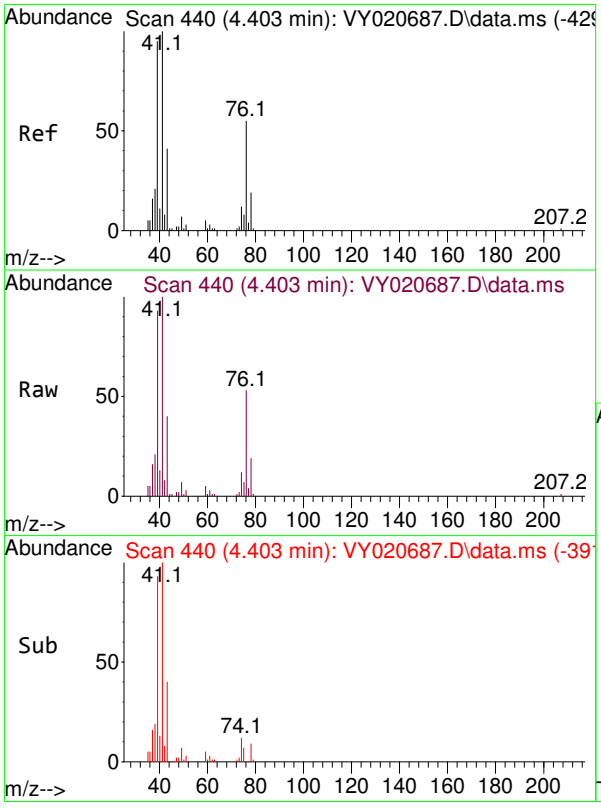
#17
Carbon Disulfide
Concen: 58.837 ug/l
RT: 4.128 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 98751

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

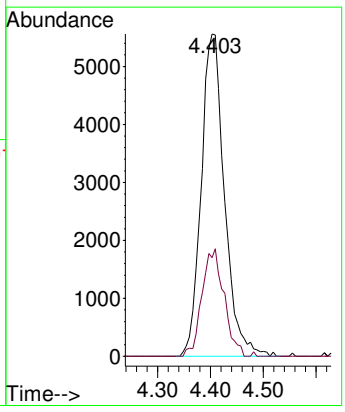


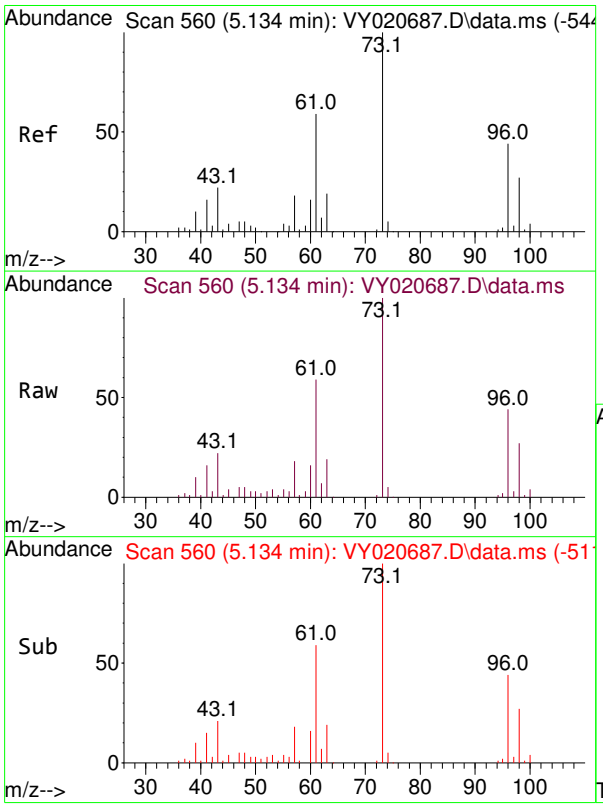


#18
Methyl Acetate
Concen: 64.721 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 17098

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#



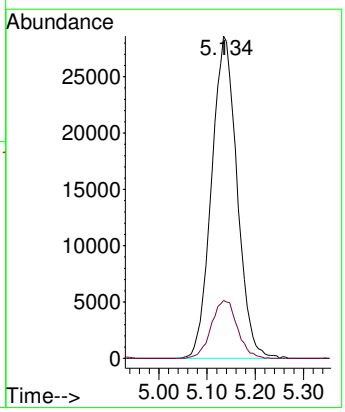


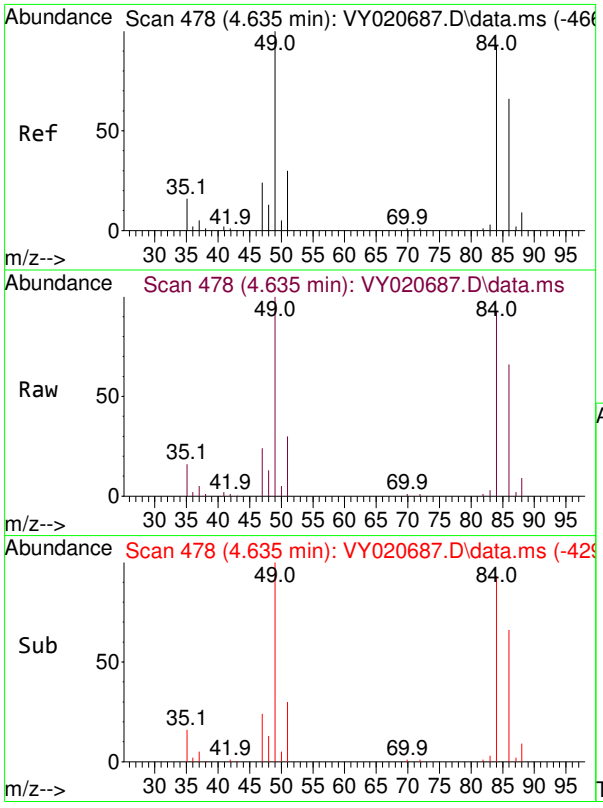
#19
Methyl tert-butyl Ether
Concen: 57.466 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 105227

Ion	Ratio	Lower	Upper
73	100		
57	18.0	18.5	27.7#

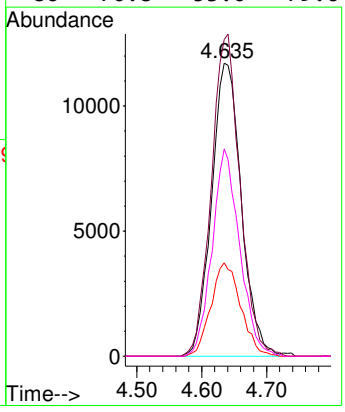


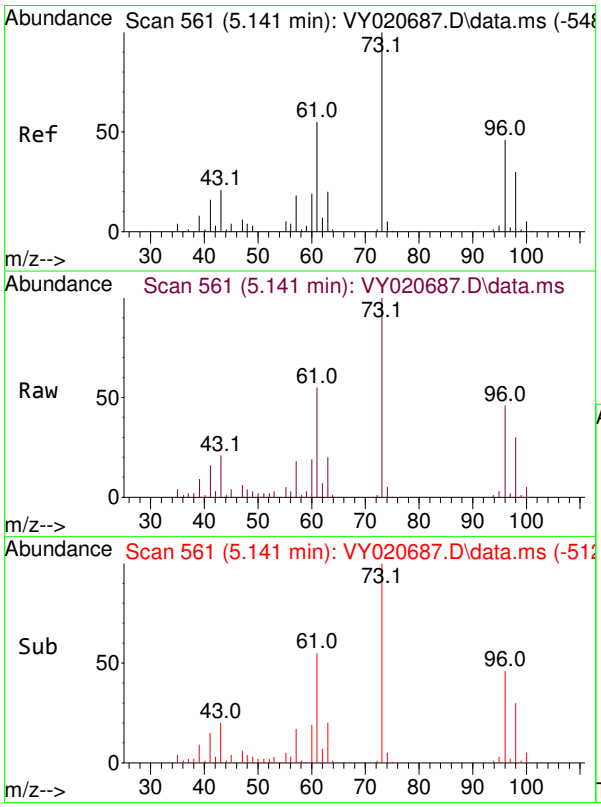


#20
Methylene Chloride
Concen: 54.843 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 84 Resp: 37317

Ion	Ratio	Lower	Upper
84	100		
49	108.0	100.7	151.1
51	31.9	32.2	48.2#
86	70.8	53.0	79.6



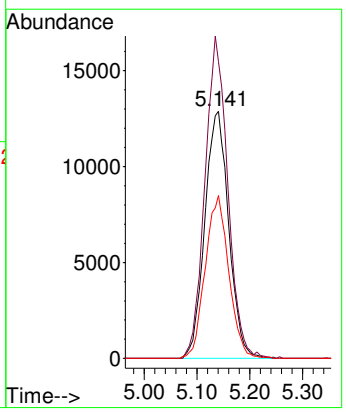


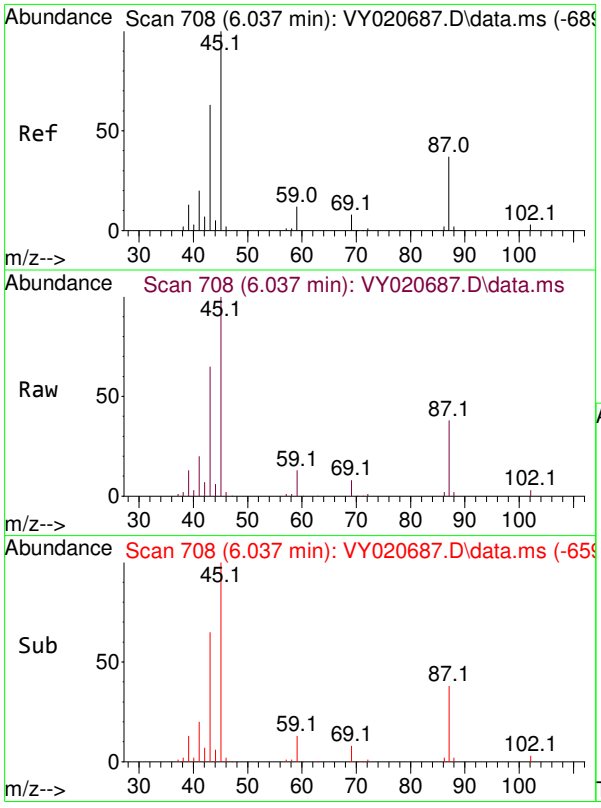
#21
trans-1,2-Dichloroethene
Concen: 56.152 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 40759

Ion	Ratio	Lower	Upper
96	100		
61	120.1	113.7	170.5
98	65.9	51.7	77.5

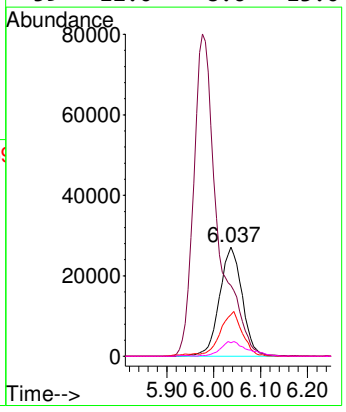


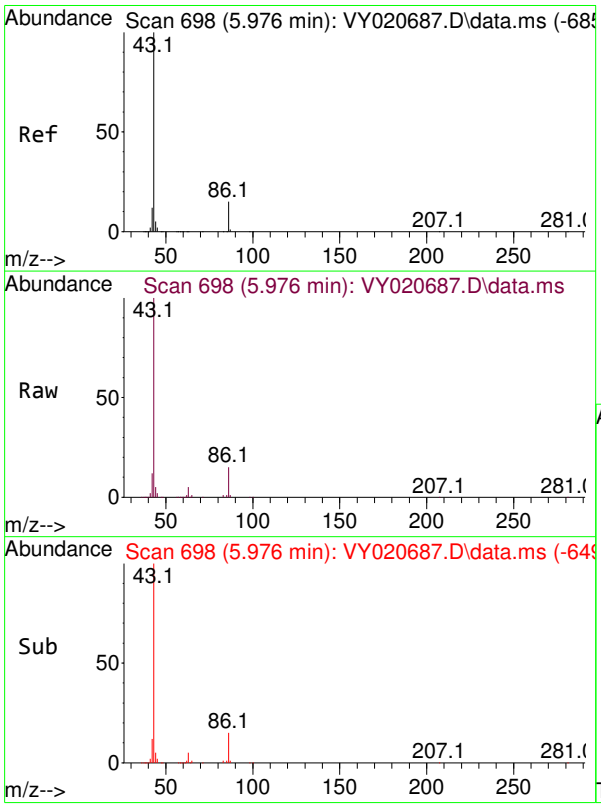


#22
Diisopropyl ether
Concen: 56.224 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 45 Resp: 90738

Ion	Ratio	Lower	Upper
45	100		
43	64.1	42.6	64.0#
87	38.3	20.6	31.0#
59	12.0	8.6	13.0



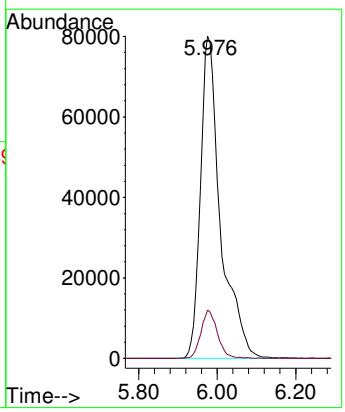


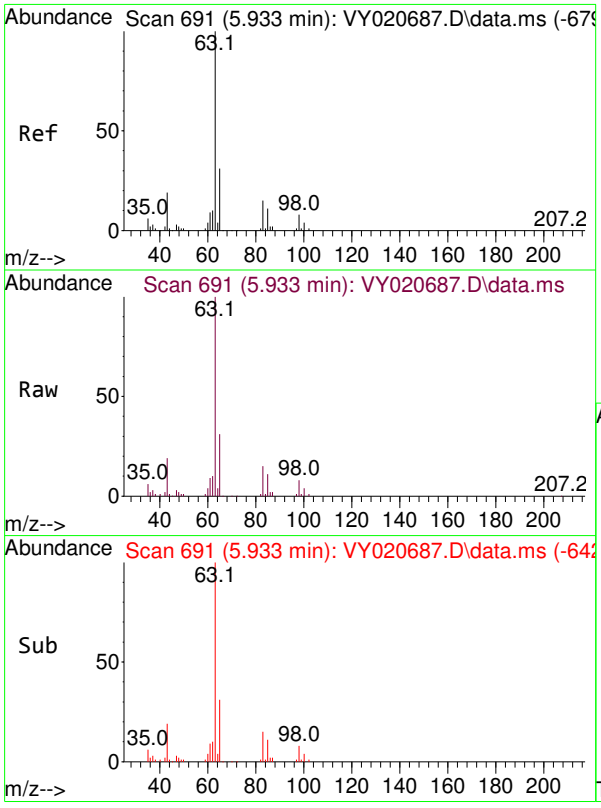
#23
Vinyl Acetate
Concen: 298.130 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 284907

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#

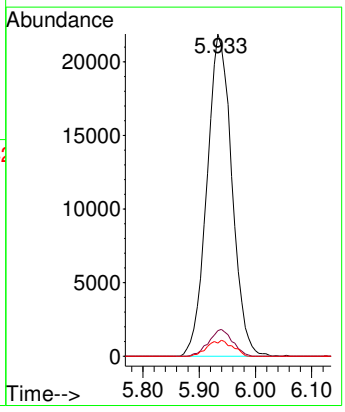


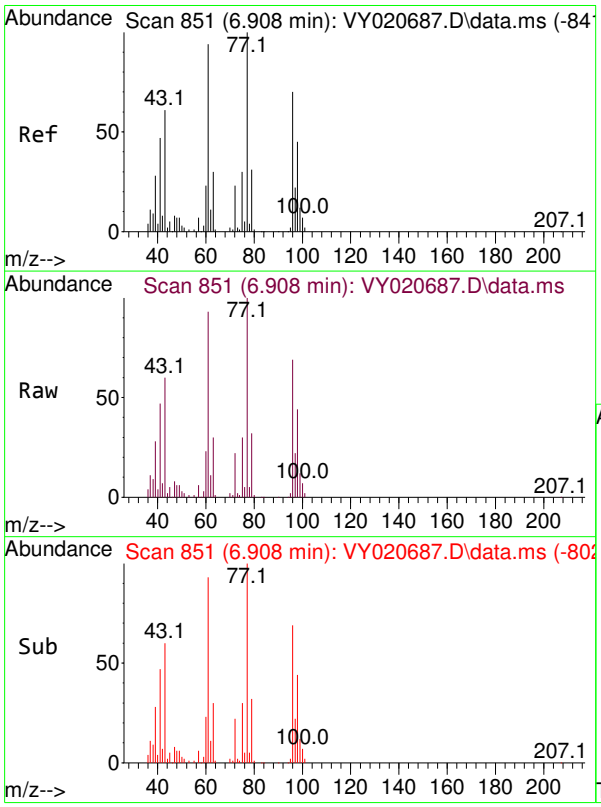


#24
1,1-Dichloroethane
Concen: 56.061 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 63 Resp: 67447

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	4.1	2.1	6.5



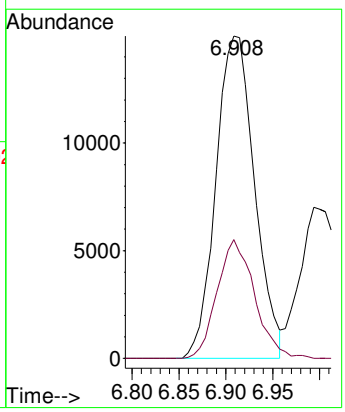


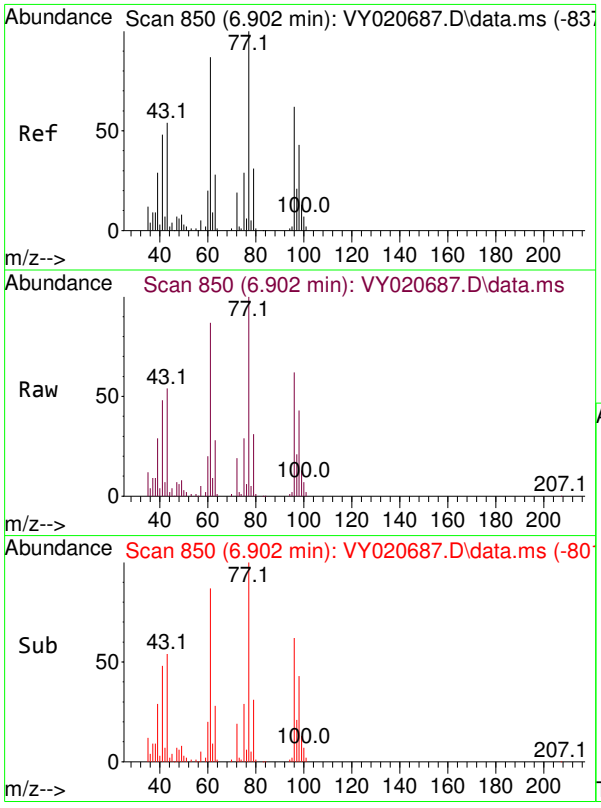
#25
2-Butanone
Concen: 298.618 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 42834

Ion	Ratio	Lower	Upper
43	100		
72	36.9	20.6	31.0#

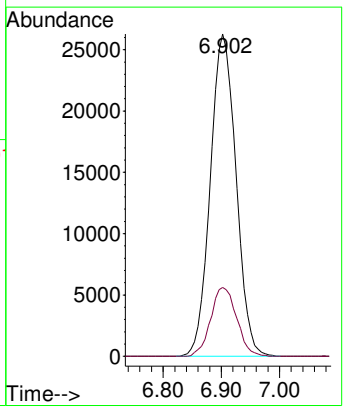


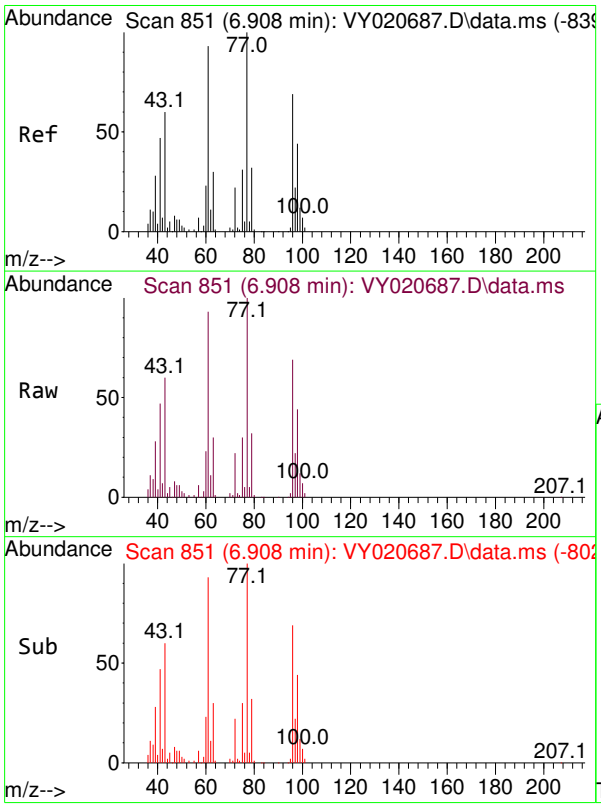


#26
2,2-Dichloropropane
Concen: 53.510 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 77 Resp: 80543

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.6



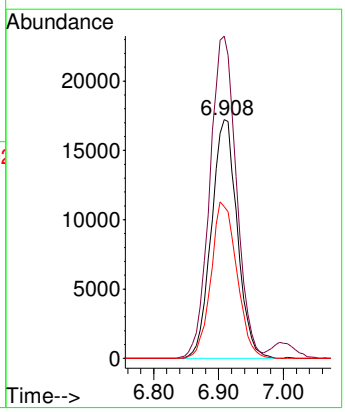


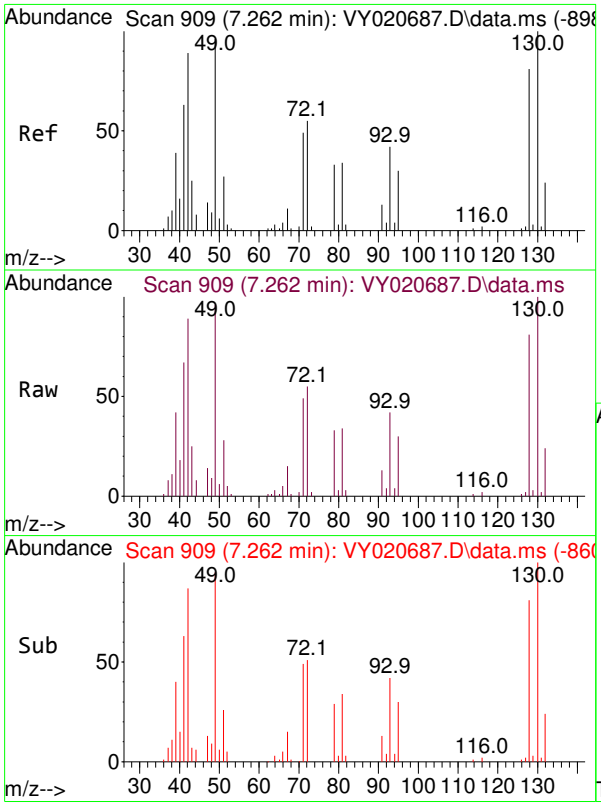
#27
cis-1,2-Dichloroethene
Concen: 55.150 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 47680

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	306.2
98	65.5	0.0	127.2

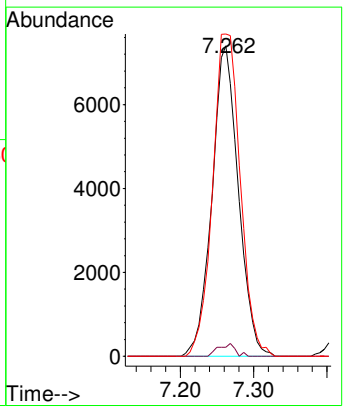


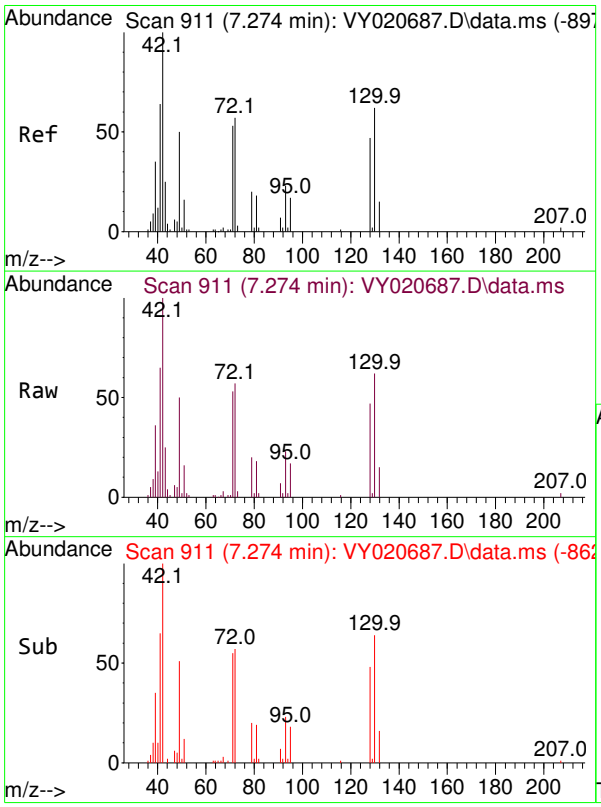


#28
Bromochloromethane
Concen: 51.512 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 49 Resp: 18468

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.8
130	109.0	58.3	87.5#



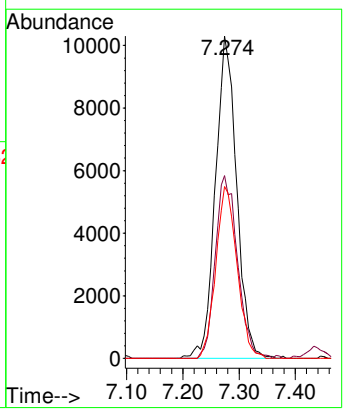


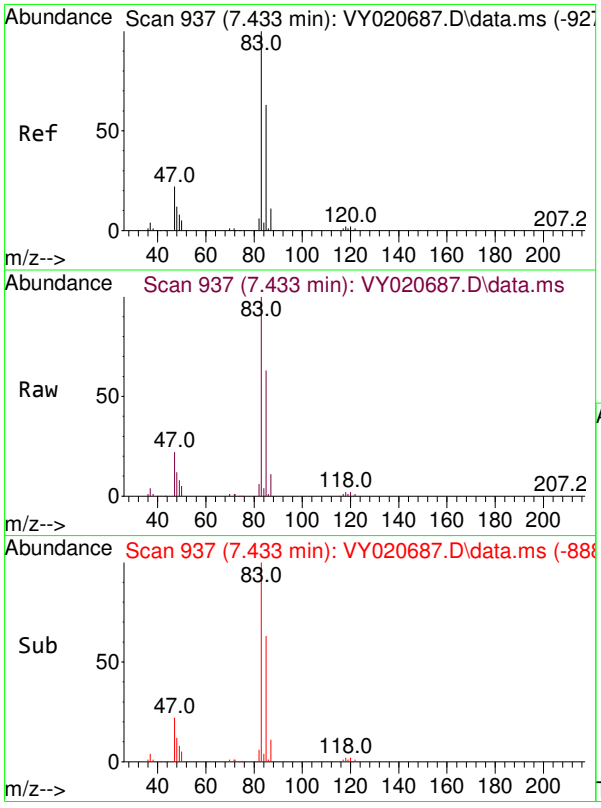
#29
Tetrahydrofuran
Concen: 319.967 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 26976

Ion	Ratio	Lower	Upper
42	100		
72	59.2	34.0	51.0#
71	53.5	31.6	47.4#

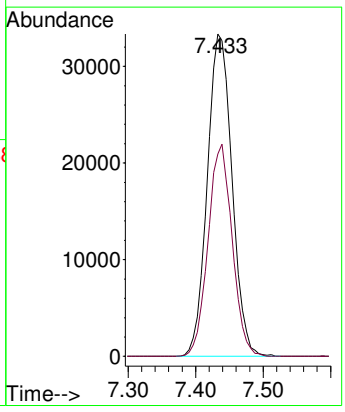


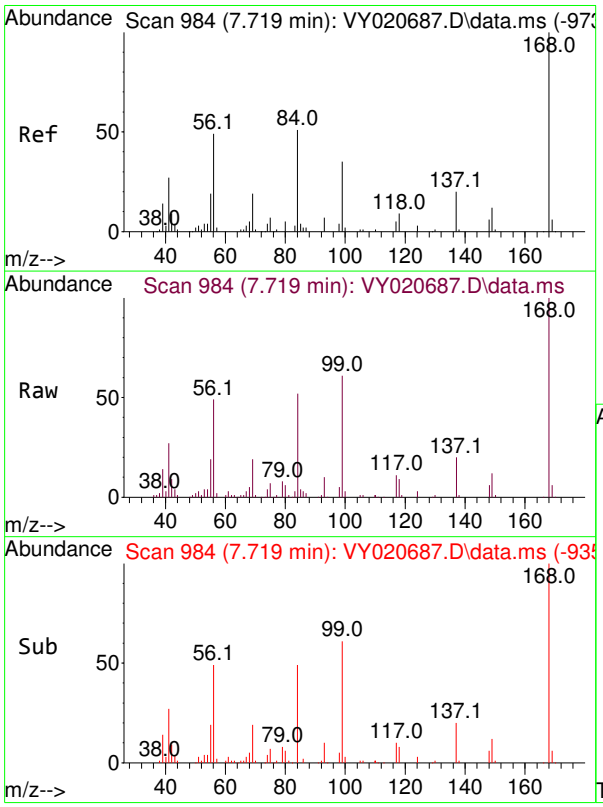


#30
Chloroform
Concen: 53.662 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 83 Resp: 84862

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.7	79.1



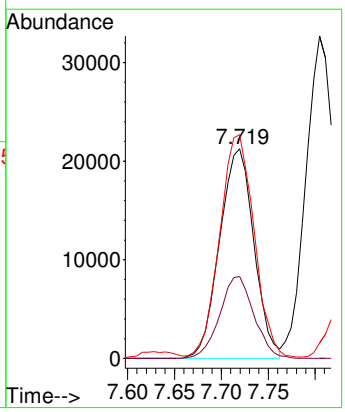


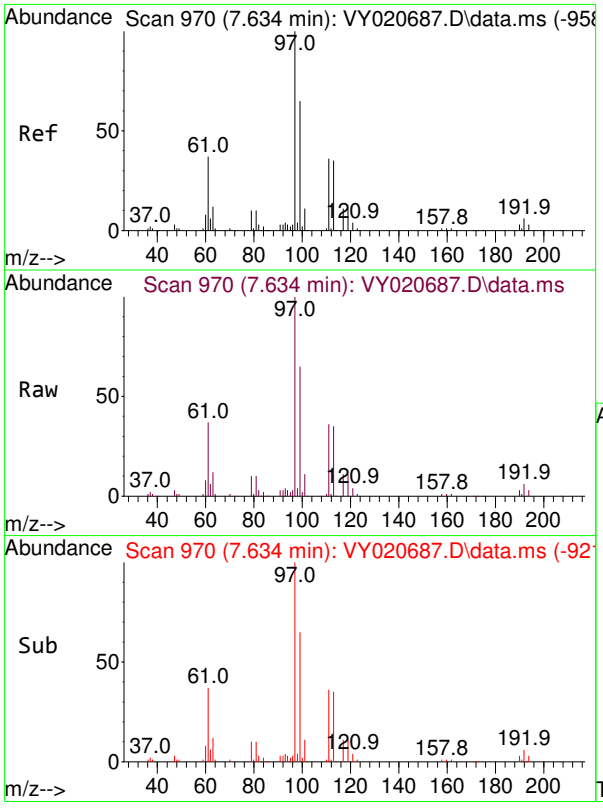
#31
Cyclohexane
Concen: 51.254 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 54066

Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.4	38.0#
84	104.9	68.3	102.5#

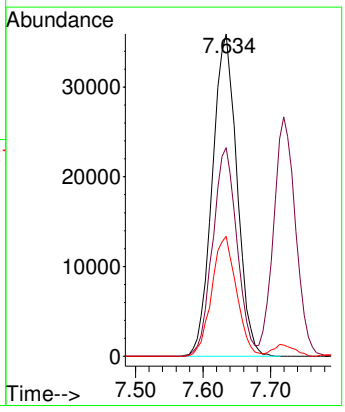


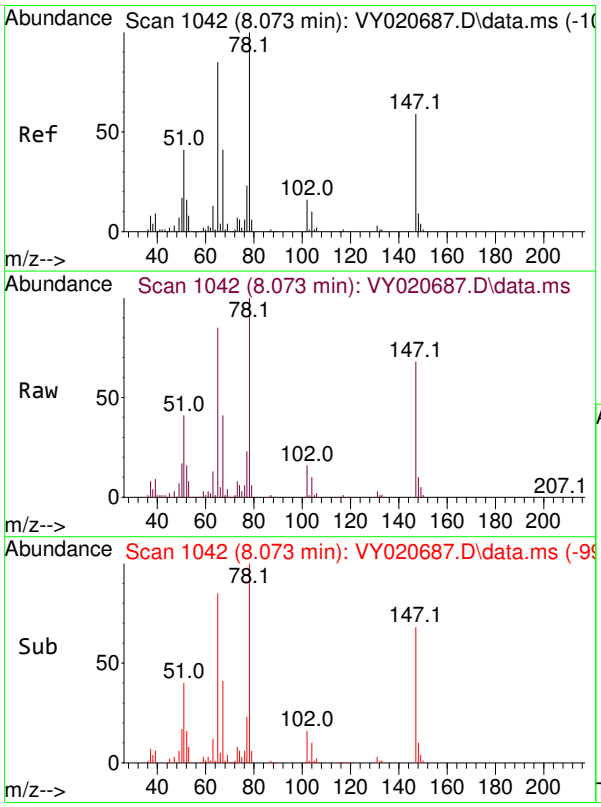


#32
1,1,1-Trichloroethane
Concen: 55.174 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 97 Resp: 91153

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	37.5	34.7	52.1



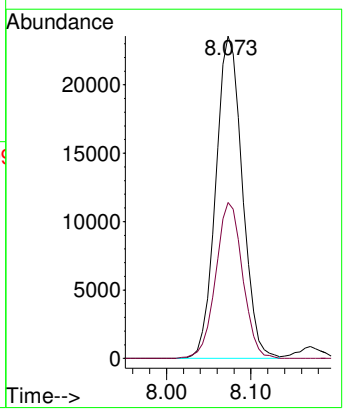


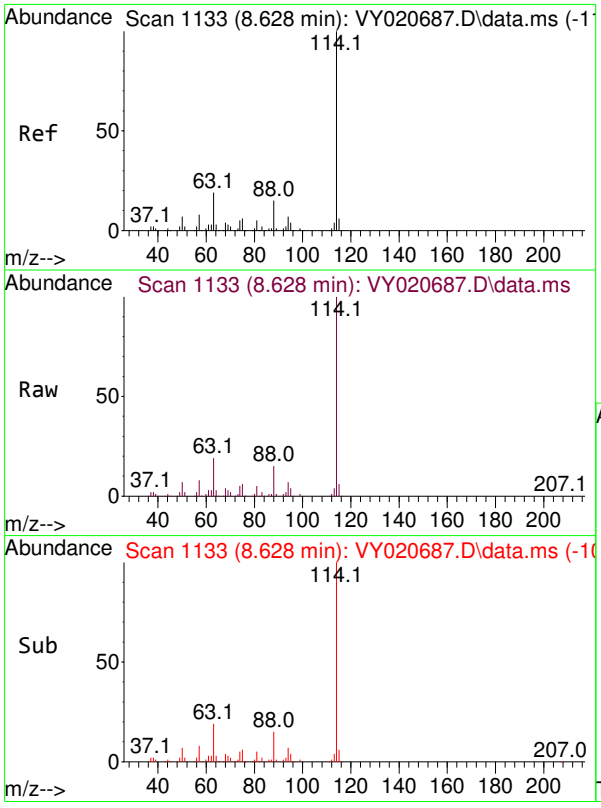
#33
1,2-Dichloroethane-d4
Concen: 57.691 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 51574

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	108.0

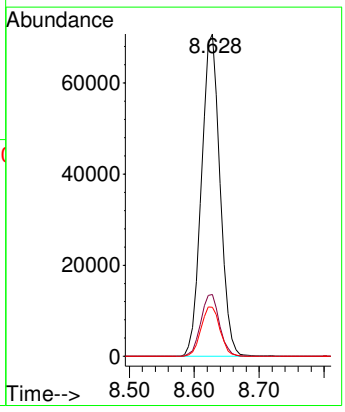


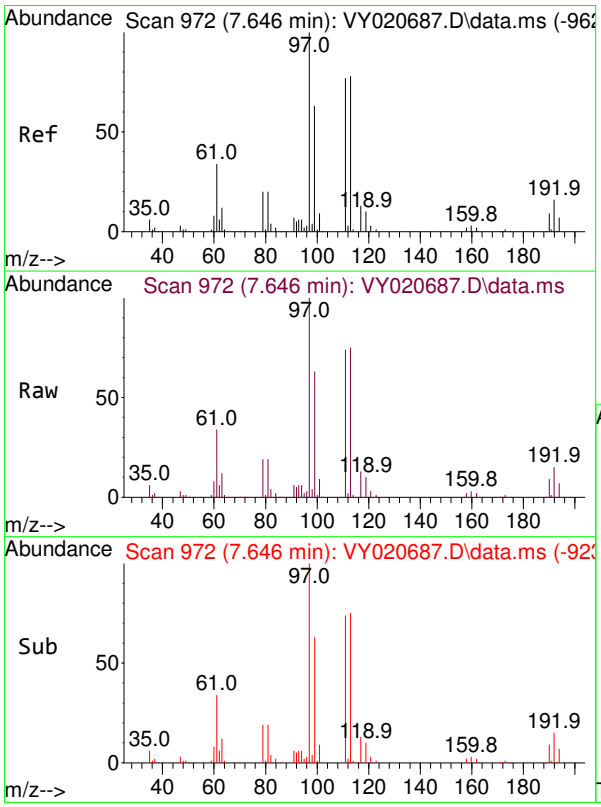


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:114 Resp: 139898

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	44.0
88	15.2	0.0	32.8



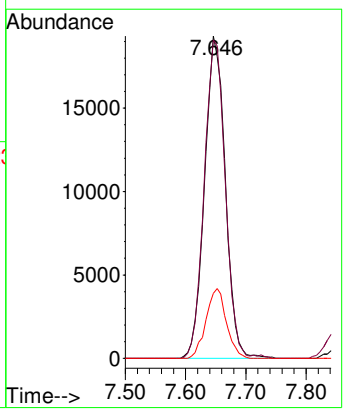


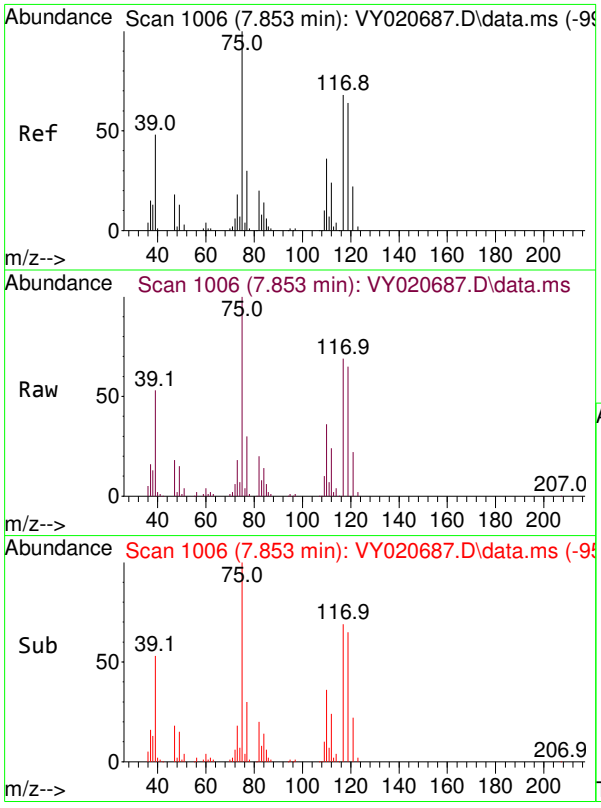
#35
Dibromofluoromethane
Concen: 56.186 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 46154

Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.9	124.3
192	21.3	15.7	23.5

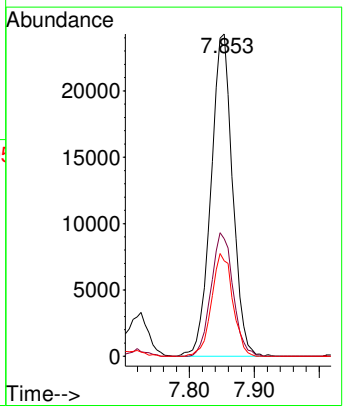


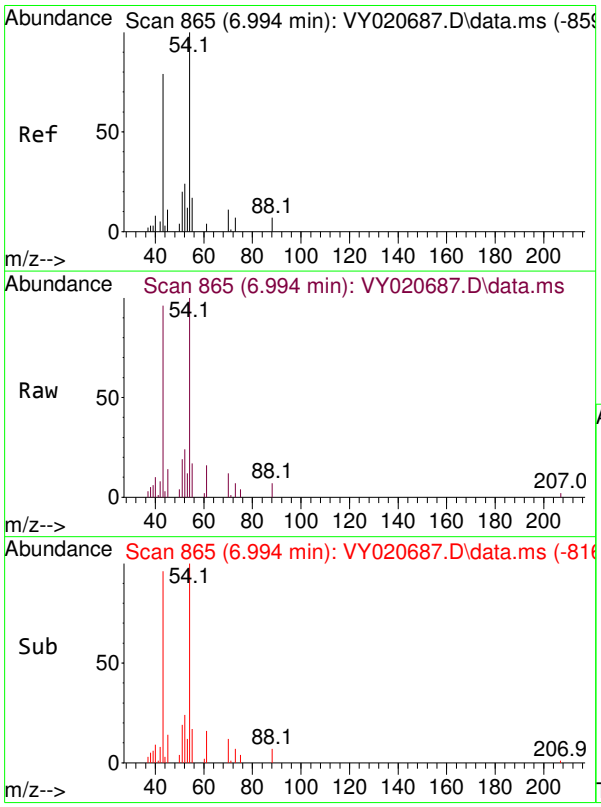


#36
1,1-Dichloropropene
Concen: 56.269 ug/l
RT: 7.853 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 56184

Ion	Ratio	Lower	Upper
75	100		
110	39.1	16.8	50.4
77	31.4	25.0	37.6



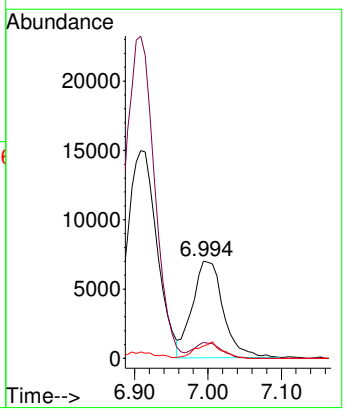


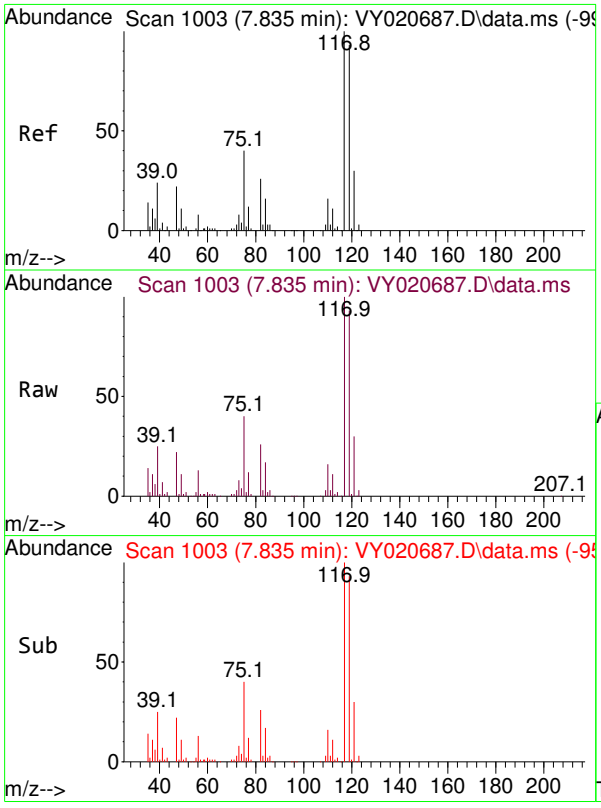
#37
Ethyl Acetate
Concen: 62.332 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 20340

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	13.7	7.9	11.9#

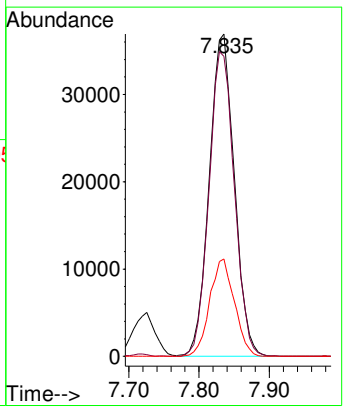


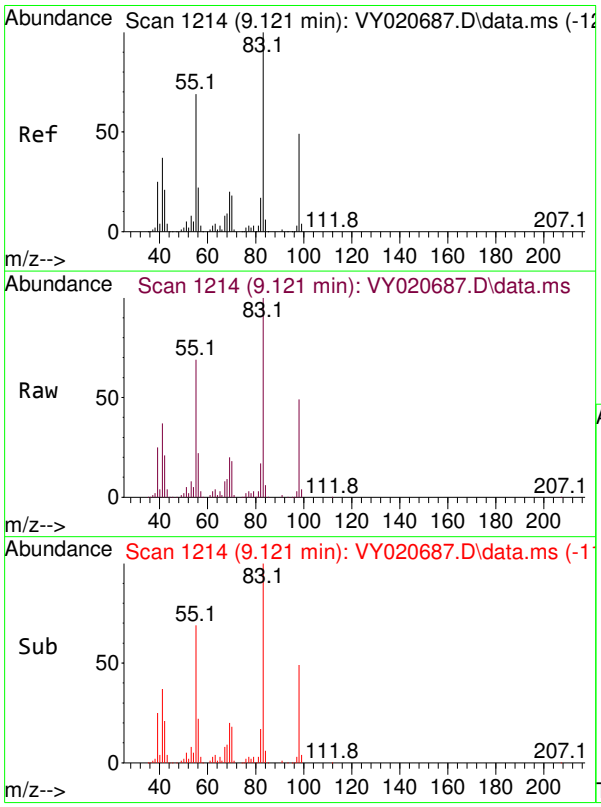


#38
Carbon Tetrachloride
Concen: 56.659 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:117 Resp: 91548

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.3	117.5
121	30.2	25.1	37.7



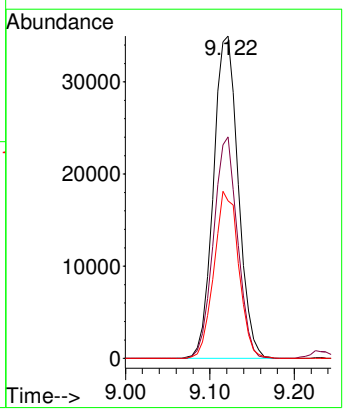


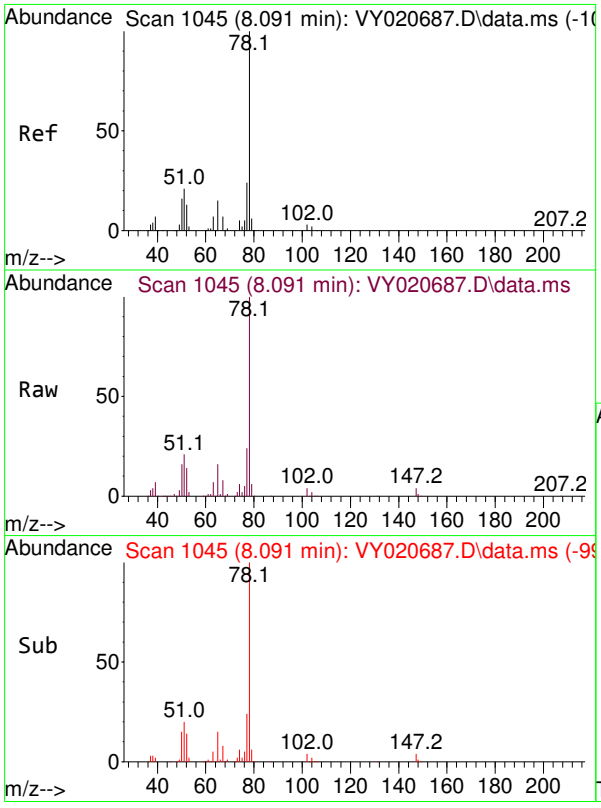
#39
Methylcyclohexane
Concen: 56.429 ug/l
RT: 9.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 71616

Ion	Ratio	Lower	Upper
83	100		
55	68.7	61.4	92.0
98	48.8	37.3	55.9

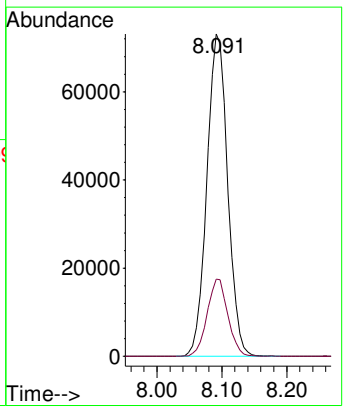


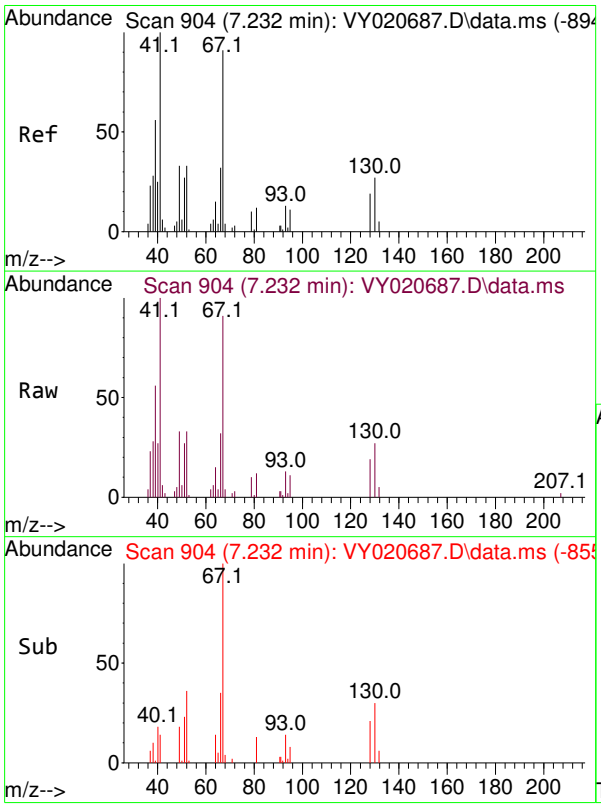


#40
Benzene
Concen: 56.488 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 78 Resp: 162713

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



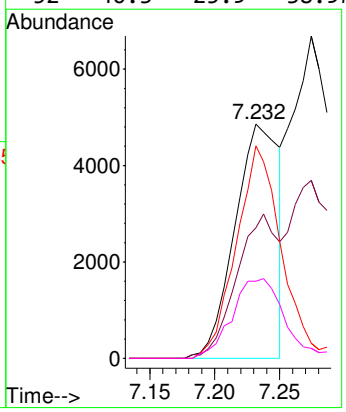


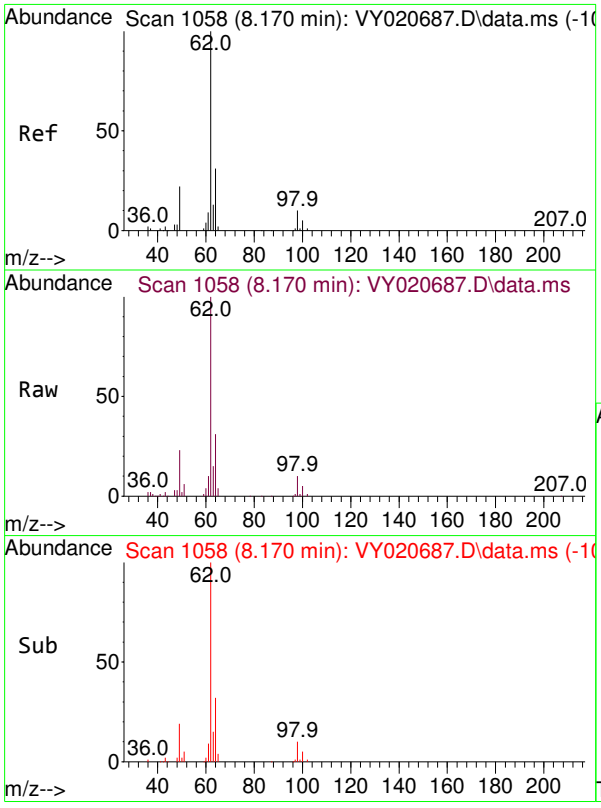
#41
Methacrylonitrile
Concen: 61.814 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 11416

Ion	Ratio	Lower	Upper
41	100		
39	58.3	53.6	80.4
67	93.4	62.0	93.0#
52	40.3	25.9	38.9#

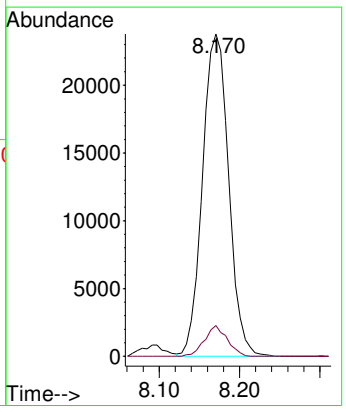


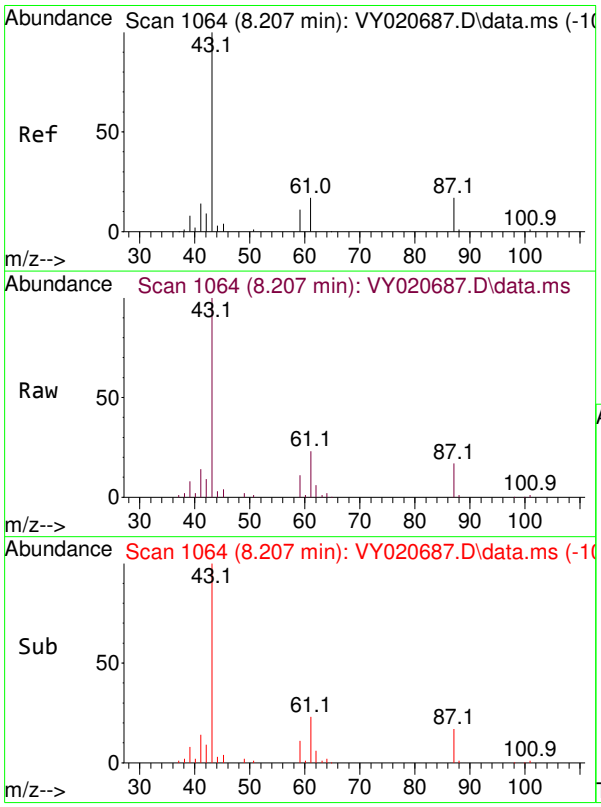


#42
1,2-Dichloroethane
Concen: 58.683 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 62 Resp: 53759

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.0



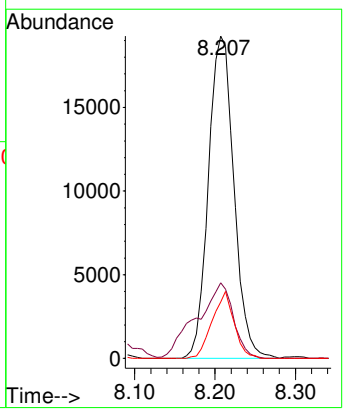


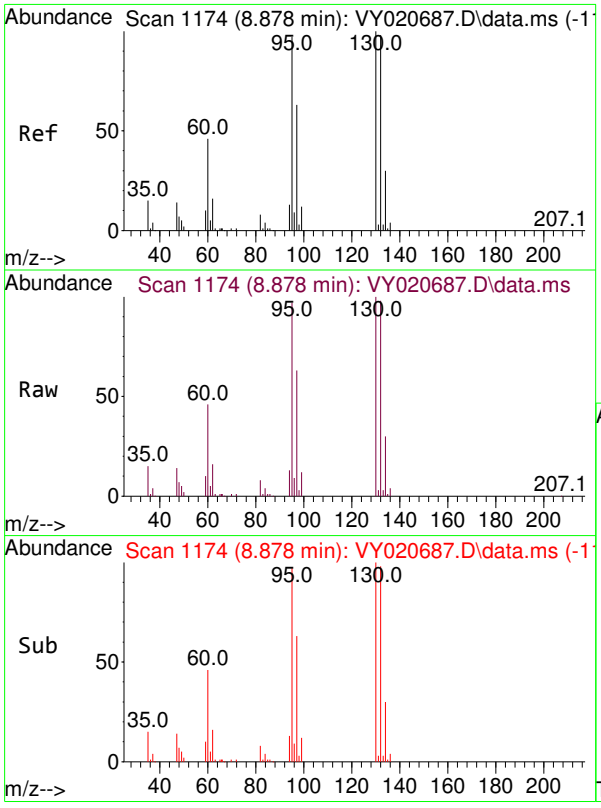
#43
Isopropyl Acetate
Concen: 62.581 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 42444

Ion	Ratio	Lower	Upper
43	100		
61	33.7	23.8	35.6
87	17.8	10.2	15.4#

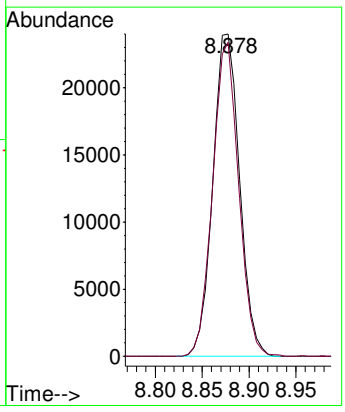


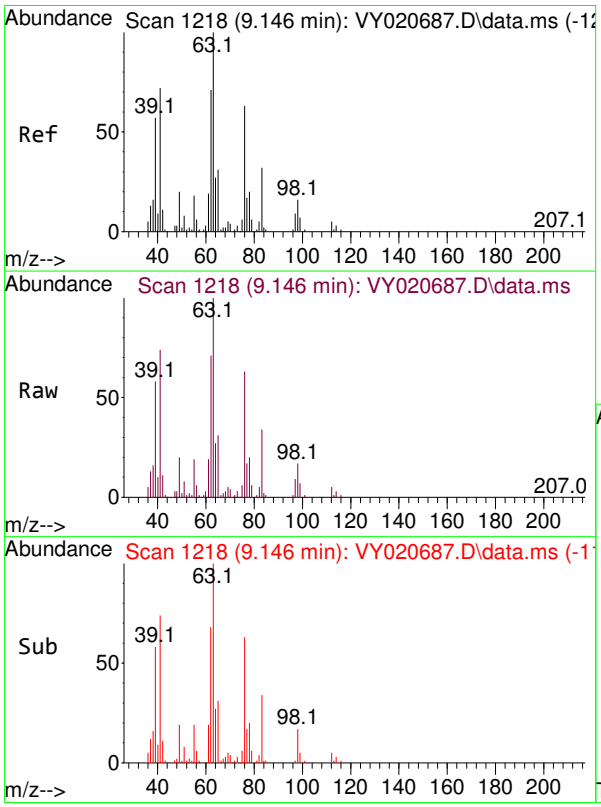


#44
Trichloroethene
Concen: 55.530 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:130 Resp: 47471

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	203.2



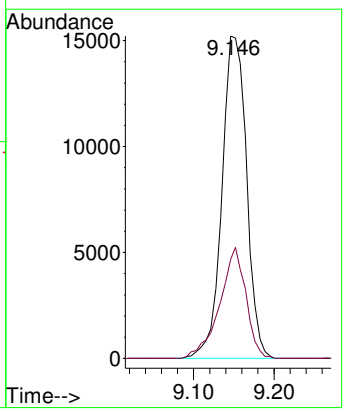


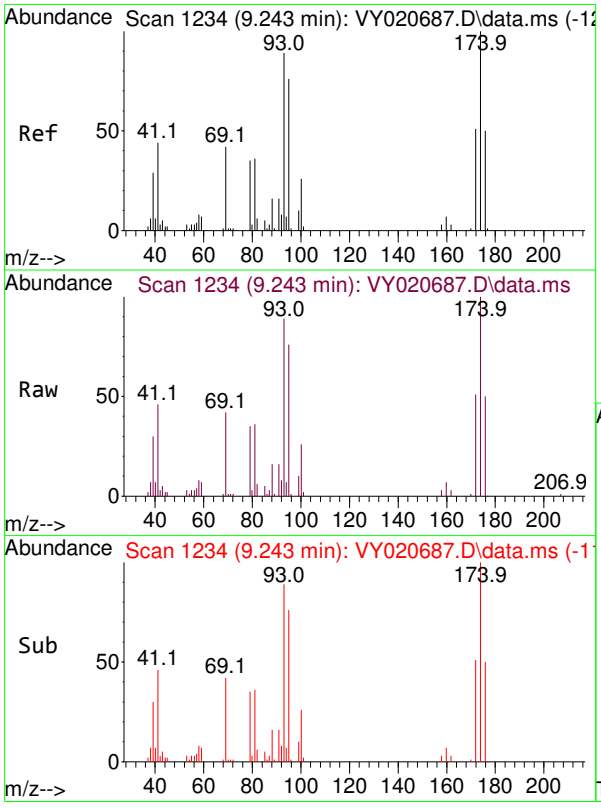
#45
1,2-Dichloropropane
Concen: 57.090 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 32310

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.9	38.9

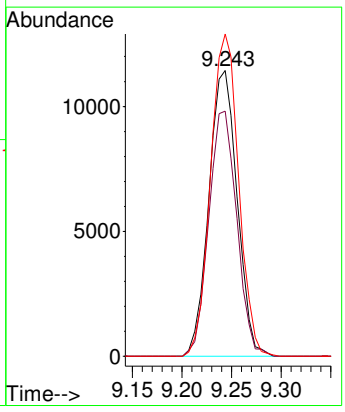


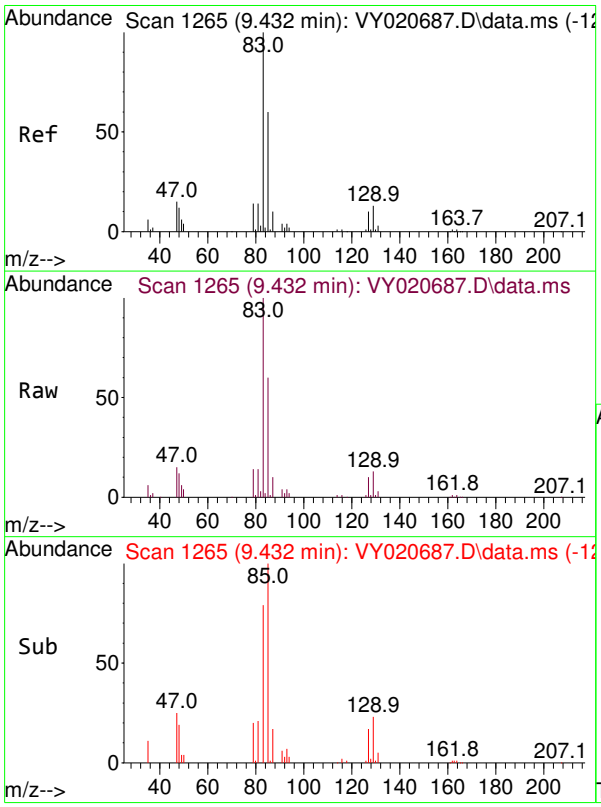


#46
Dibromomethane
Concen: 58.307 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 93 Resp: 22781

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	111.7	77.8	116.6



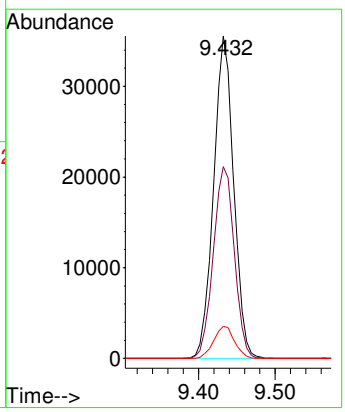


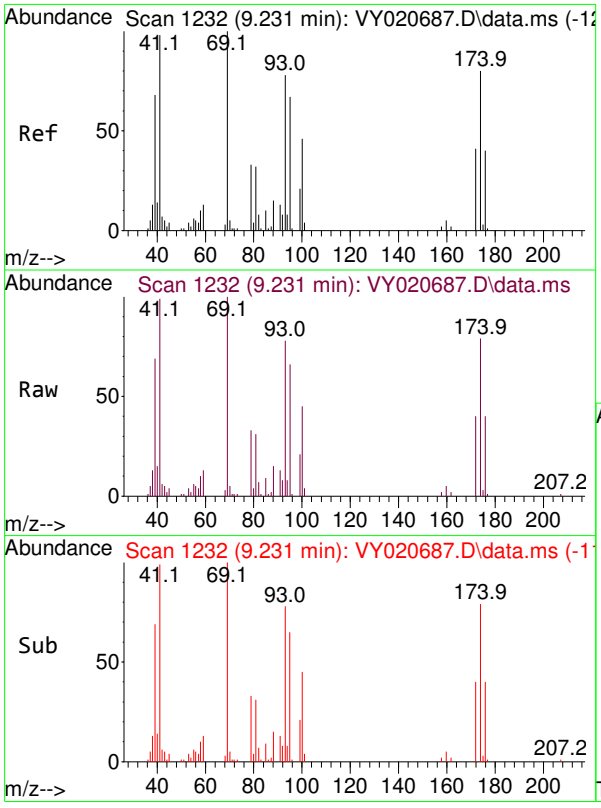
#47
Bromodichloromethane
Concen: 58.206 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 64511

Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.1	78.1
127	9.9	6.7	10.1

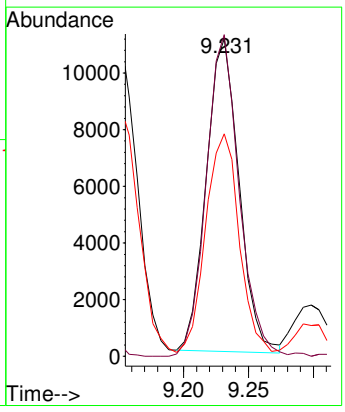


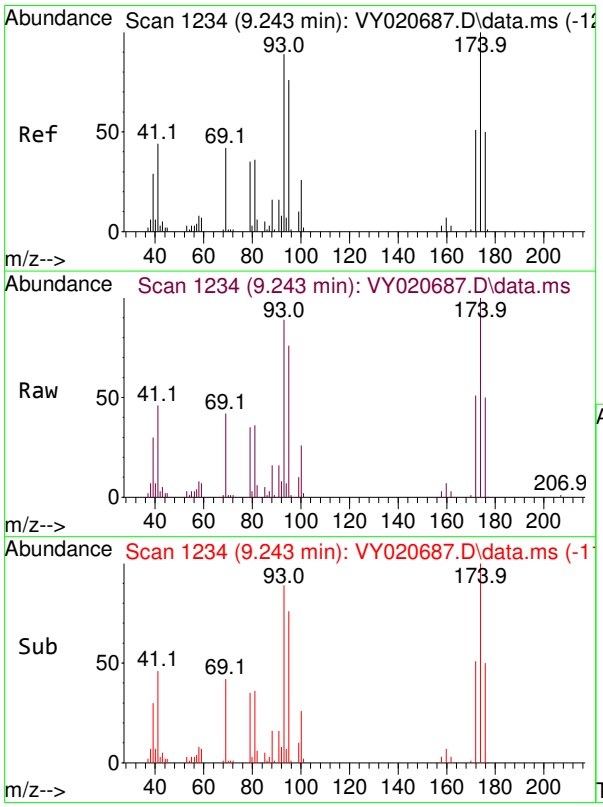


#48
Methyl methacrylate
Concen: 60.325 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 41 Resp: 19395

Ion	Ratio	Lower	Upper
41	100		
69	103.9	67.2	100.8#
39	71.6	42.2	63.4#



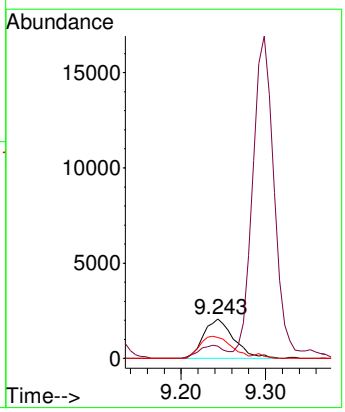


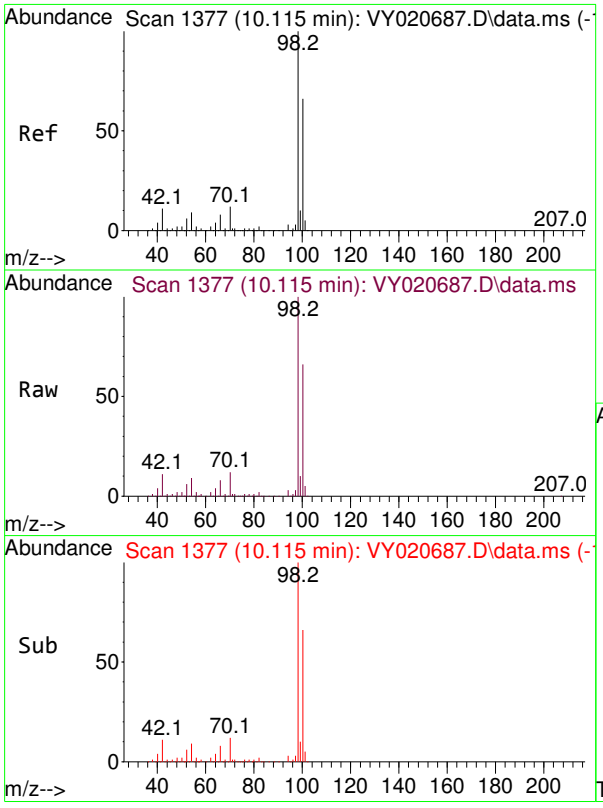
#49
1,4-Dioxane
Concen: 1263.038 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 5175

Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.6	41.4#
58	58.4	61.7	92.5#

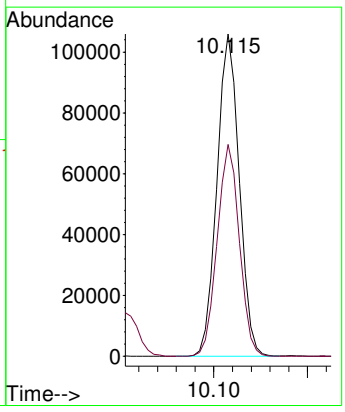


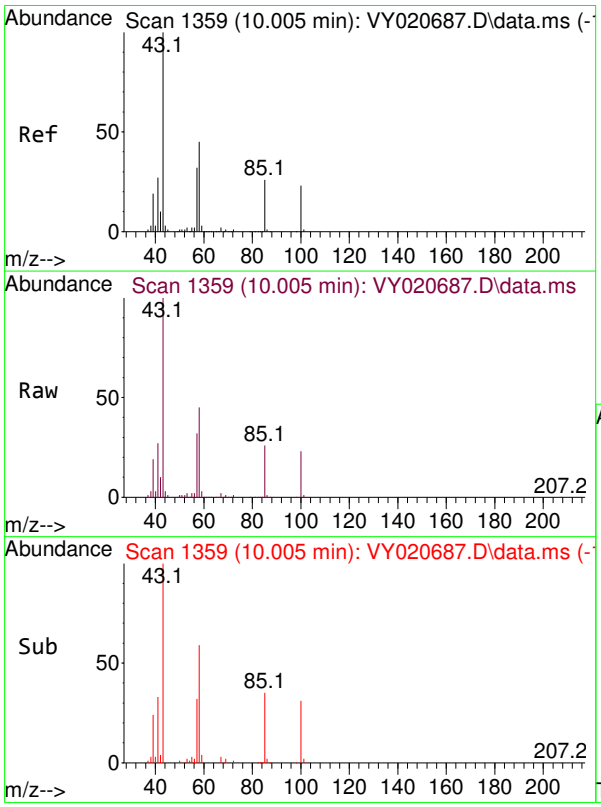


#50
Toluene-d8
Concen: 58.320 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 98 Resp: 174000

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1



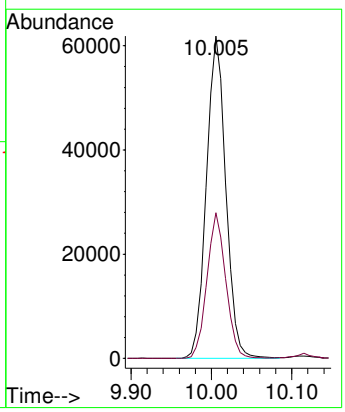


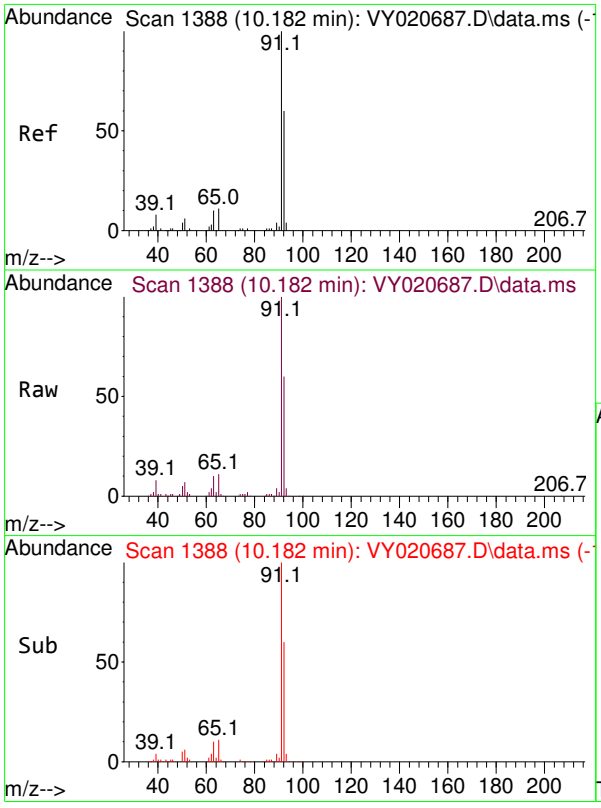
#51
4-Methyl-2-Pentanone
Concen: 305.637 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 103549

Ion	Ratio	Lower	Upper
43	100		
58	43.9	31.4	47.2

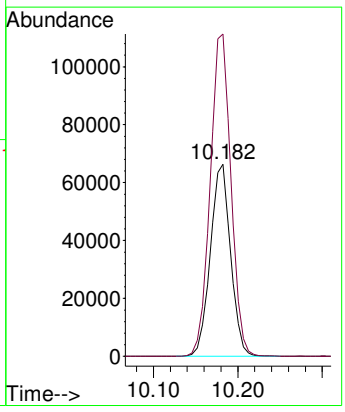


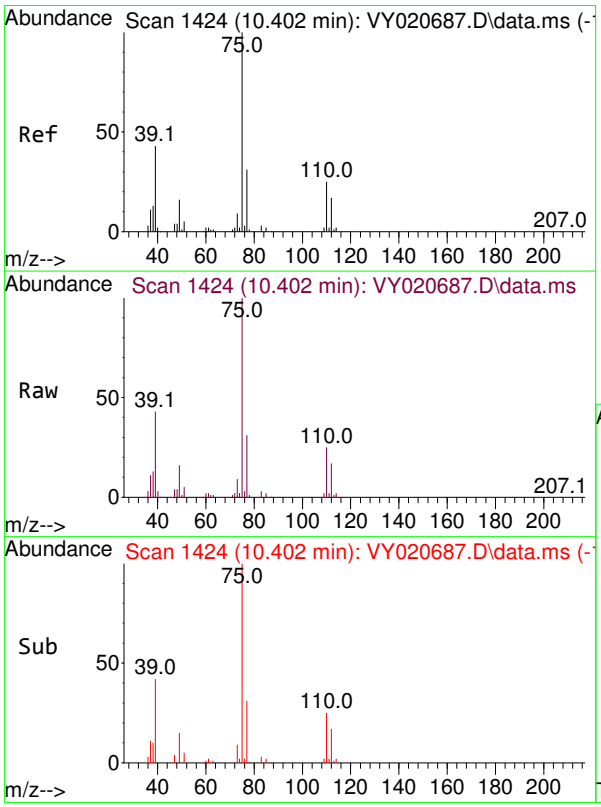


#52
Toluene
Concen: 56.472 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 92 Resp: 110772

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.0



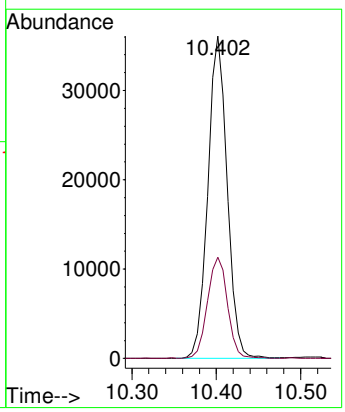


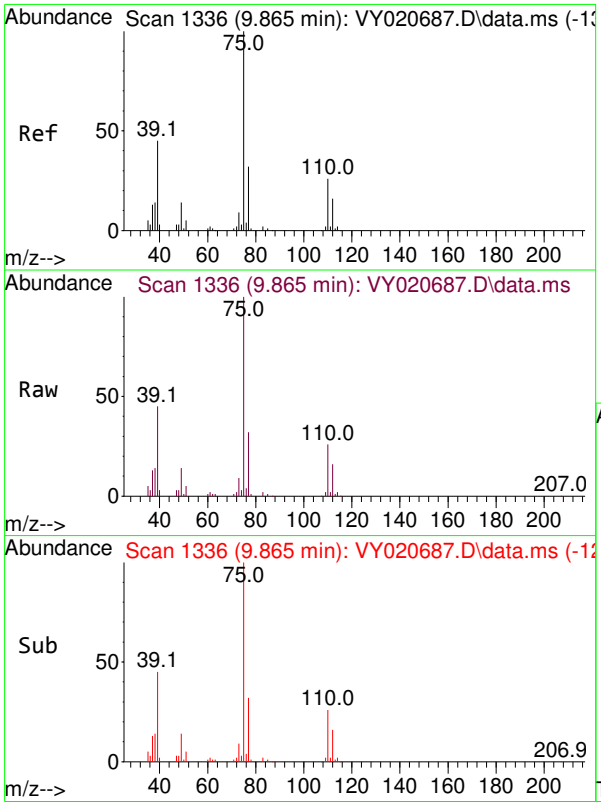
#53
t-1,3-Dichloropropene
Concen: 58.656 ug/l
RT: 10.402 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 57524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

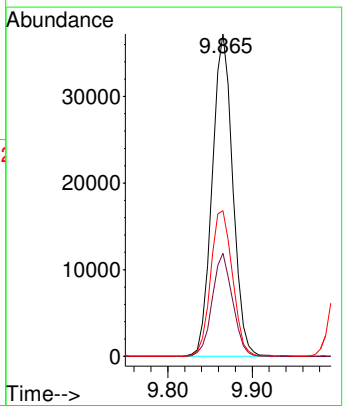


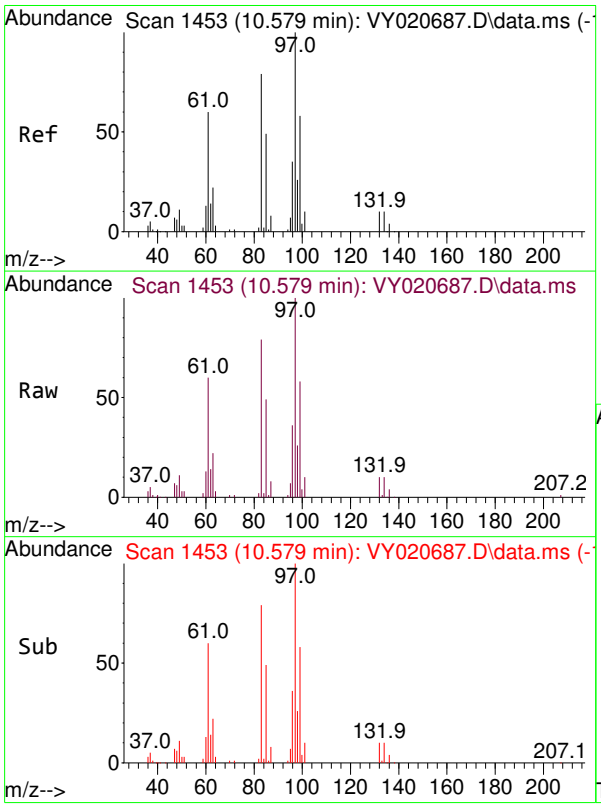


#54
cis-1,3-Dichloropropene
Concen: 58.506 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 63223

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	45.2	36.4	54.6



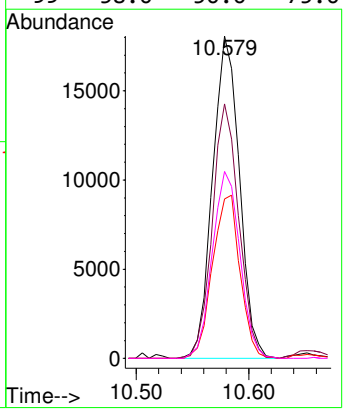


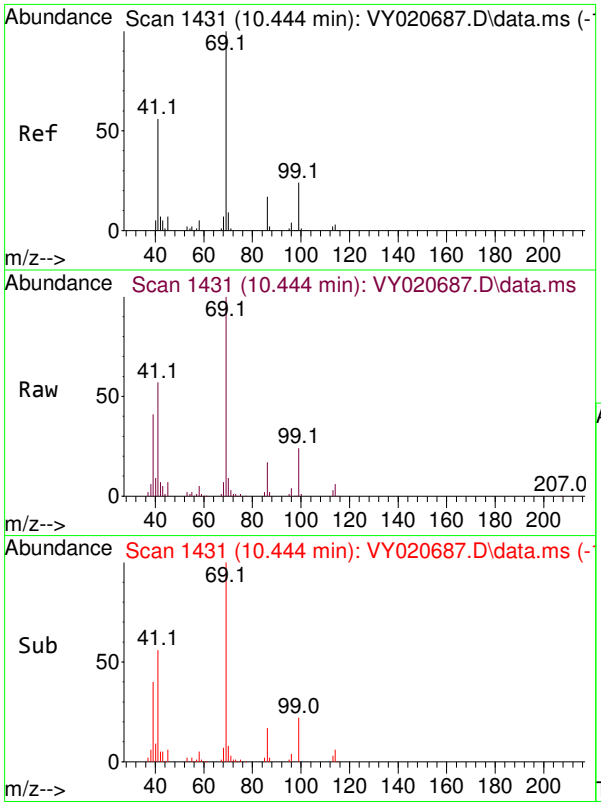
#55
1,1,2-Trichloroethane
Concen: 59.166 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 29932

Ion	Ratio	Lower	Upper
97	100		
83	78.9	70.4	105.6
85	49.4	47.2	70.8
99	58.0	50.0	75.0

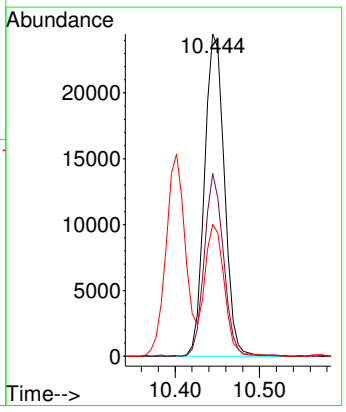


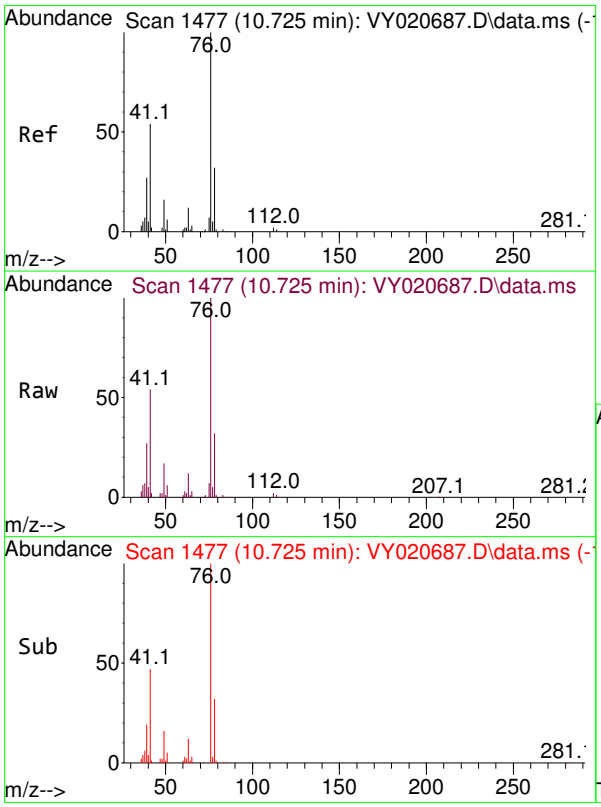


#56
Ethyl methacrylate
Concen: 62.210 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 69 Resp: 40146

Ion	Ratio	Lower	Upper
69	100		
41	54.7	54.0	81.0
39	40.0	27.9	41.9



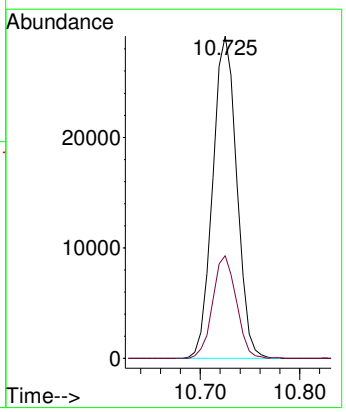


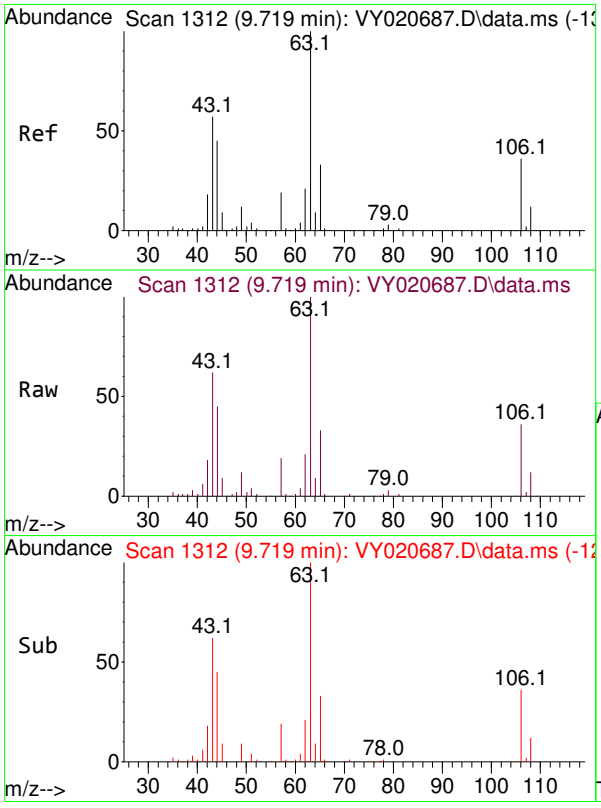
#57
1,3-Dichloropropane
Concen: 59.693 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 49363

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

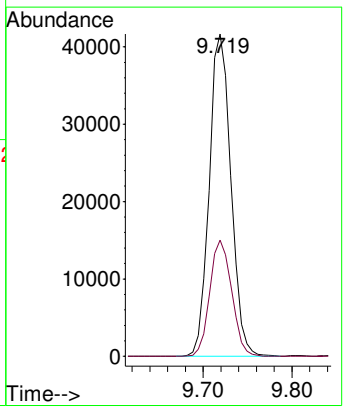


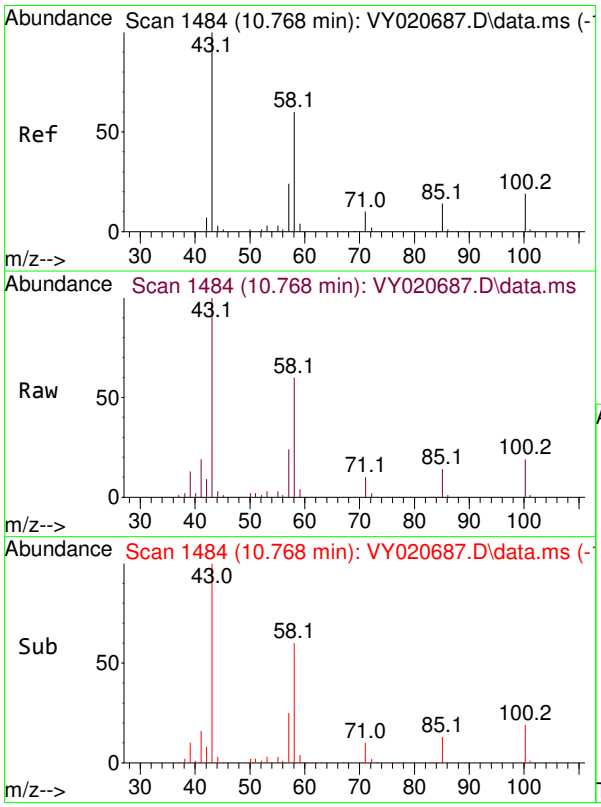


#58
2-Chloroethyl Vinyl ether
Concen: 293.980 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 63 Resp: 70894

Ion	Ratio	Lower	Upper
63	100		
106	36.4	21.5	32.3#



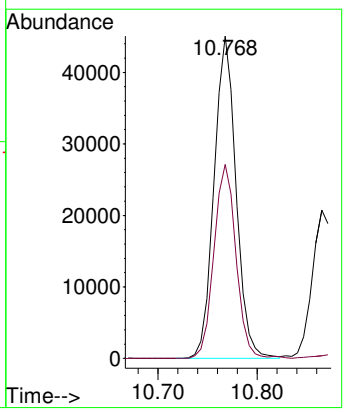


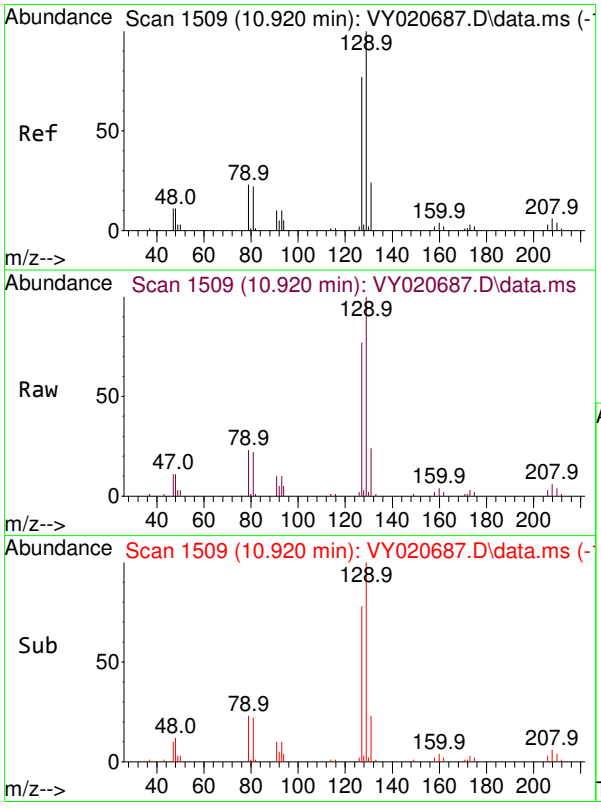
#59
2-Hexanone
Concen: 323.304 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 69770

Ion	Ratio	Lower	Upper
43	100		
58	60.3	27.2	81.6

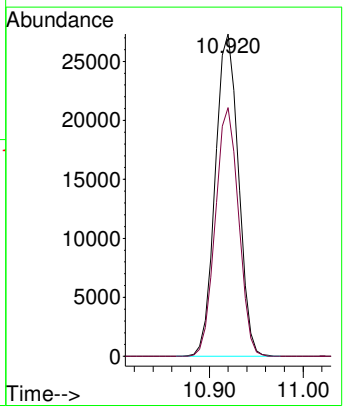


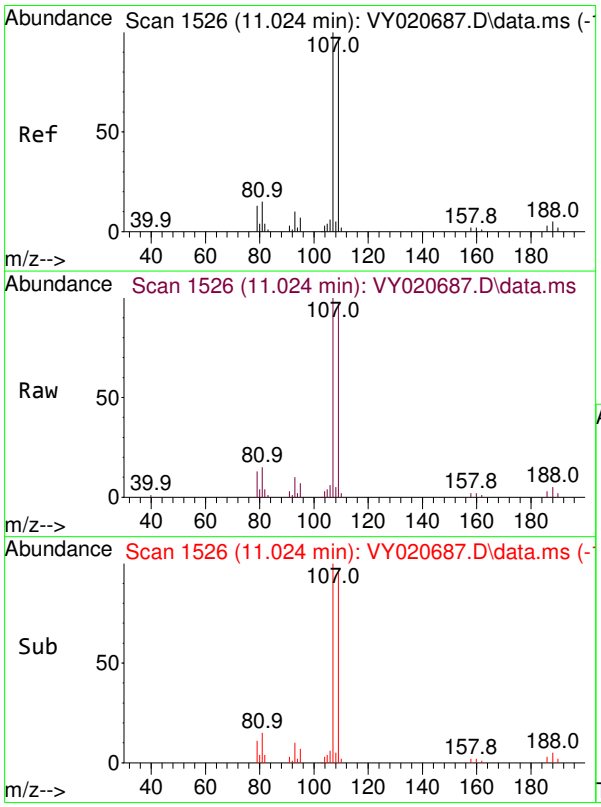


#60
Dibromochloromethane
Concen: 58.055 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:129 Resp: 46892

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3



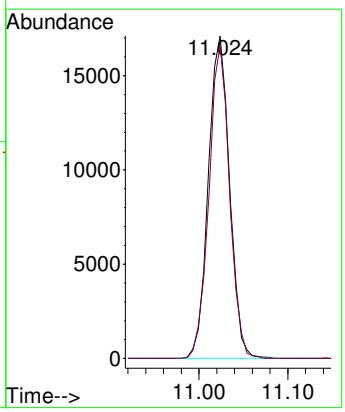


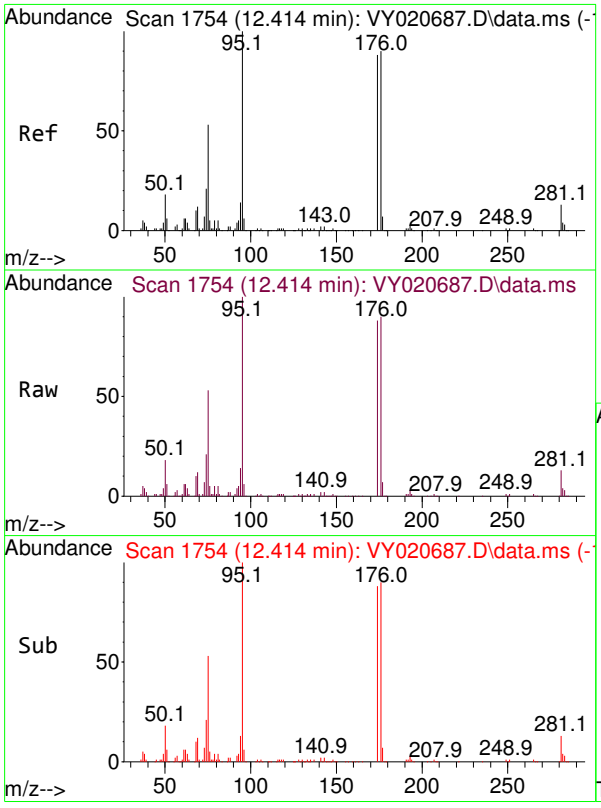
#61
1,2-Dibromoethane
Concen: 59.909 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 28413

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

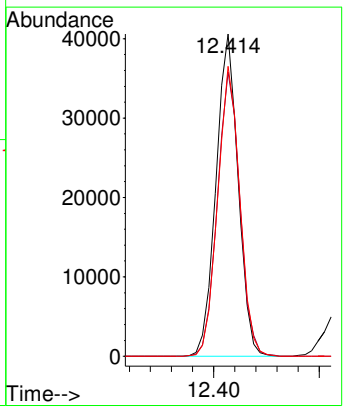


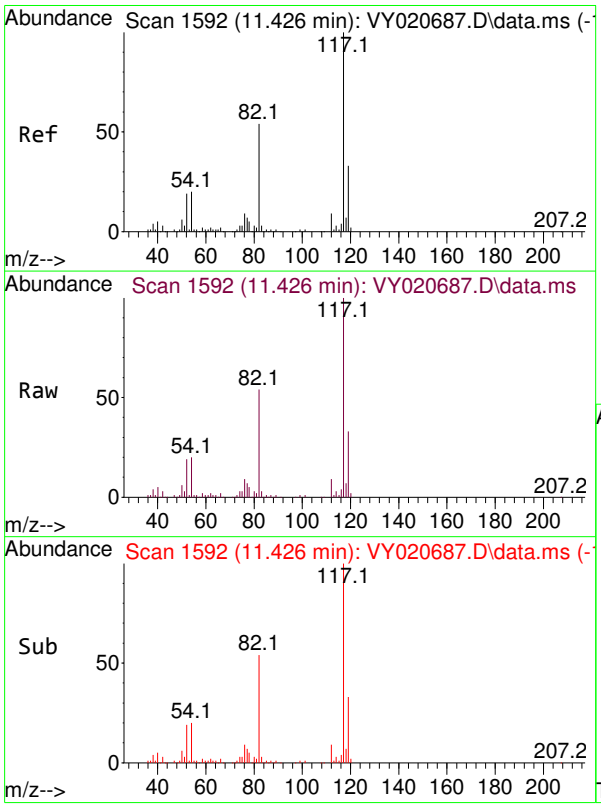


#62
4-Bromofluorobenzene
Concen: 54.687 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 95 Resp: 59386

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	161.8
176	89.9	0.0	156.6



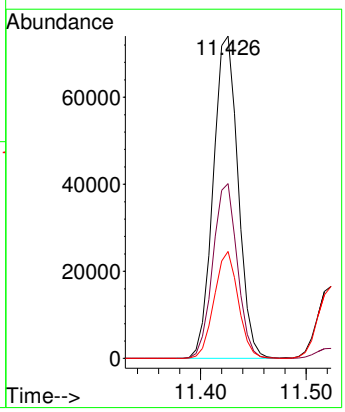


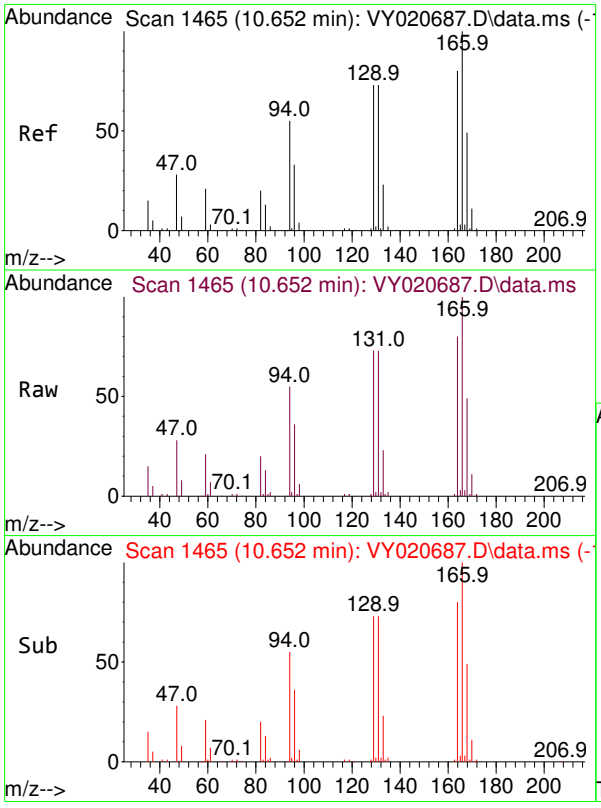
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 121636

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.8	68.6
119	33.2	25.3	37.9

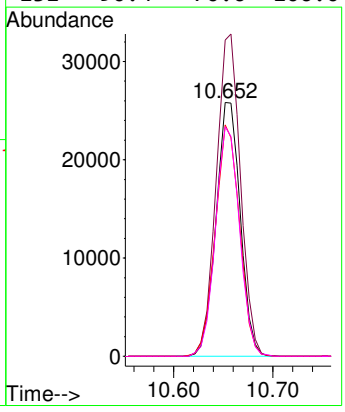


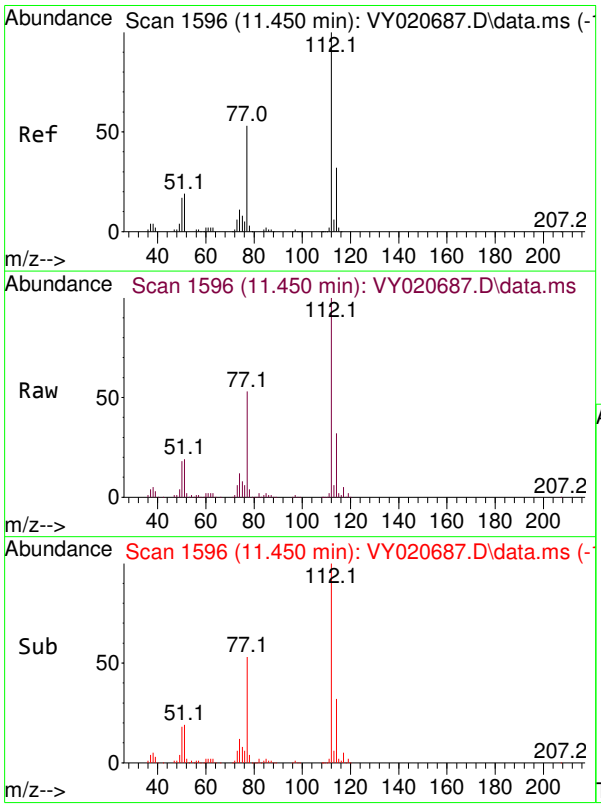


#64
Tetrachloroethene
Concen: 54.535 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:164 Resp: 44055

Ion	Ratio	Lower	Upper
164	100		
166	124.5	97.9	146.9
129	91.2	73.4	110.0
131	90.4	70.6	106.0



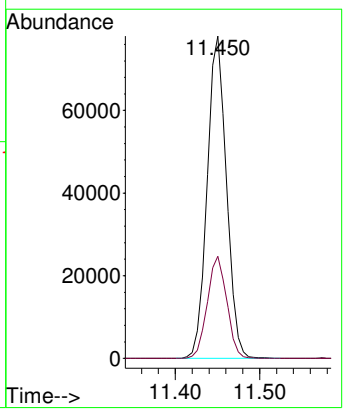


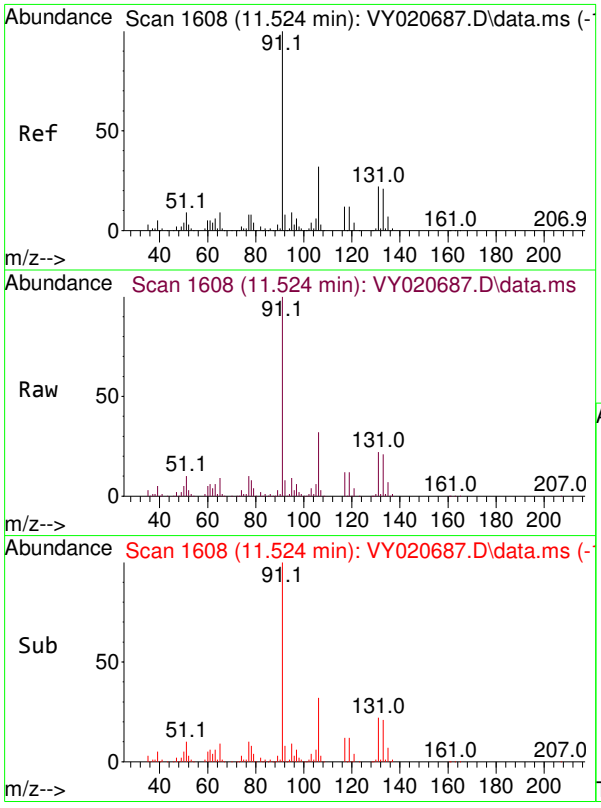
#65
Chlorobenzene
Concen: 54.695 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 124322

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0

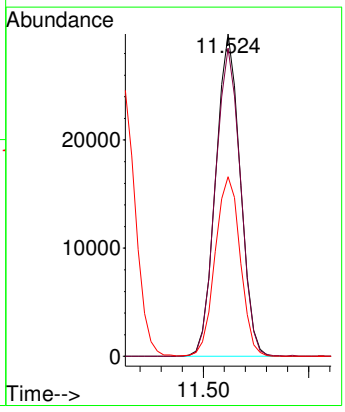


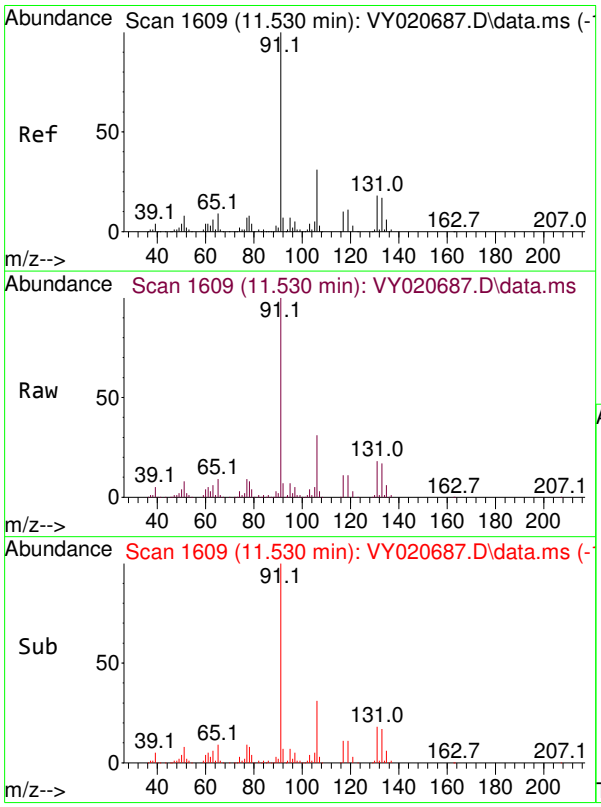


#66
1,1,1,2-Tetrachloroethane
Concen: 54.608 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:131 Resp: 48471

Ion	Ratio	Lower	Upper
131	100		
133	97.3	46.8	140.3
119	56.9	31.8	95.3



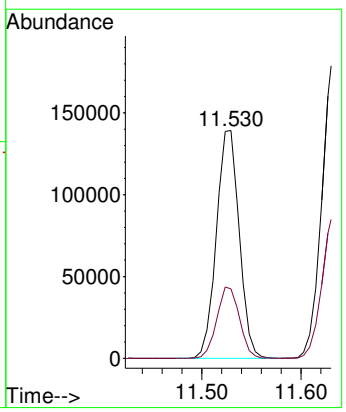


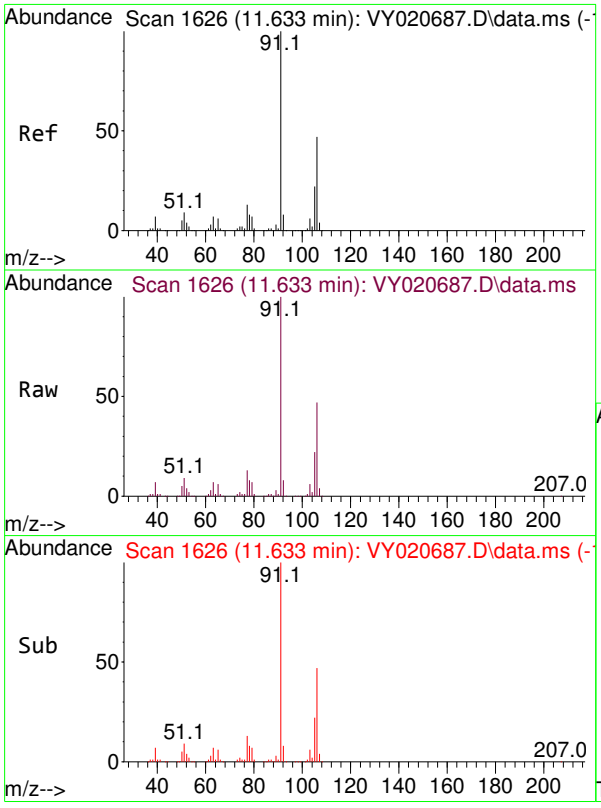
#67
Ethyl Benzene
Concen: 54.902 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 223894

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.9	35.9

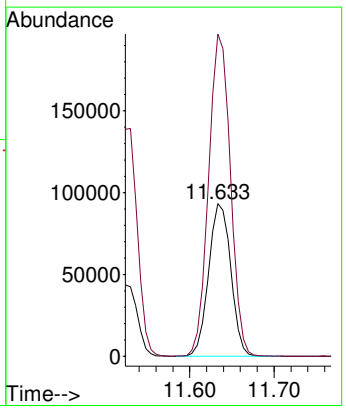


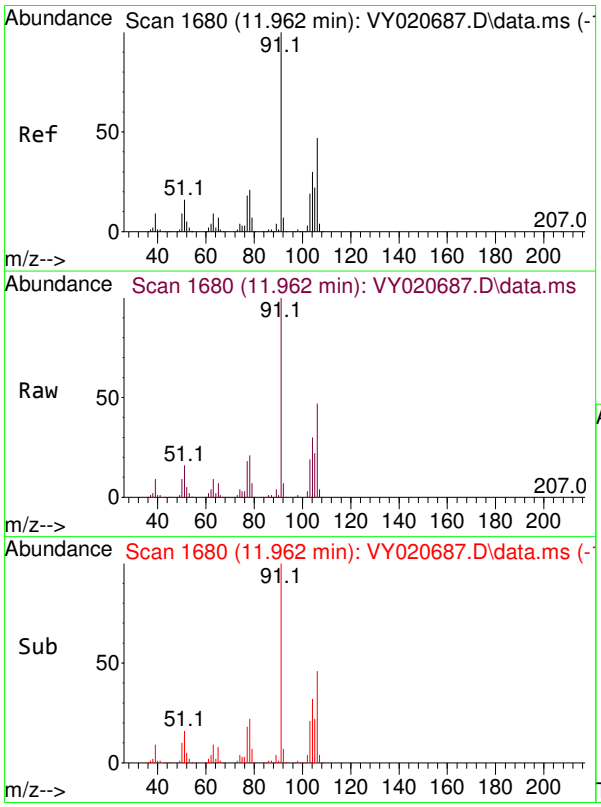


#68
m/p-Xylenes
Concen: 109.956 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:106 Resp: 170991

Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.0	247.4



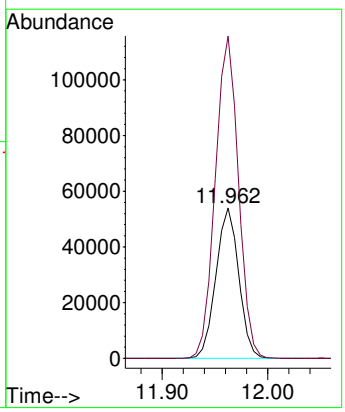


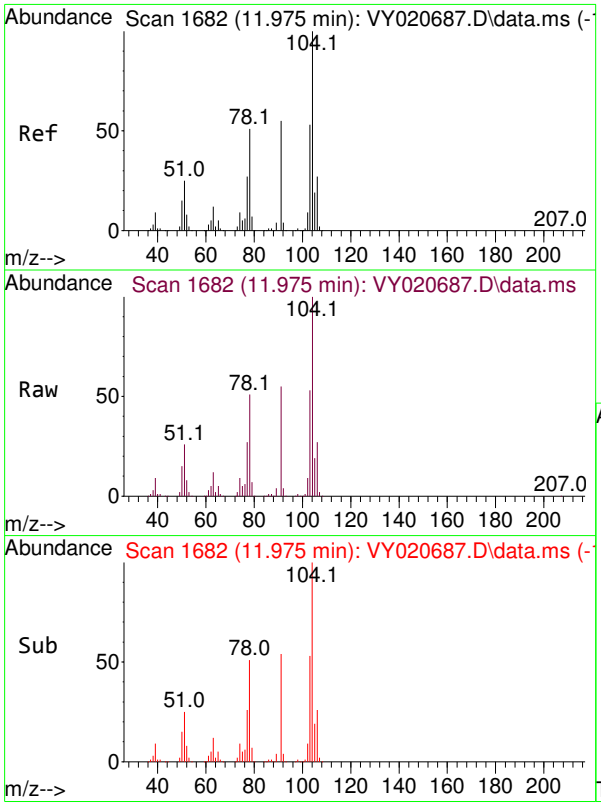
#69
o-Xylene
Concen: 55.771 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 81469

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.4	325.2

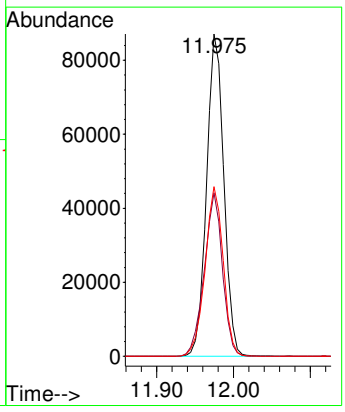


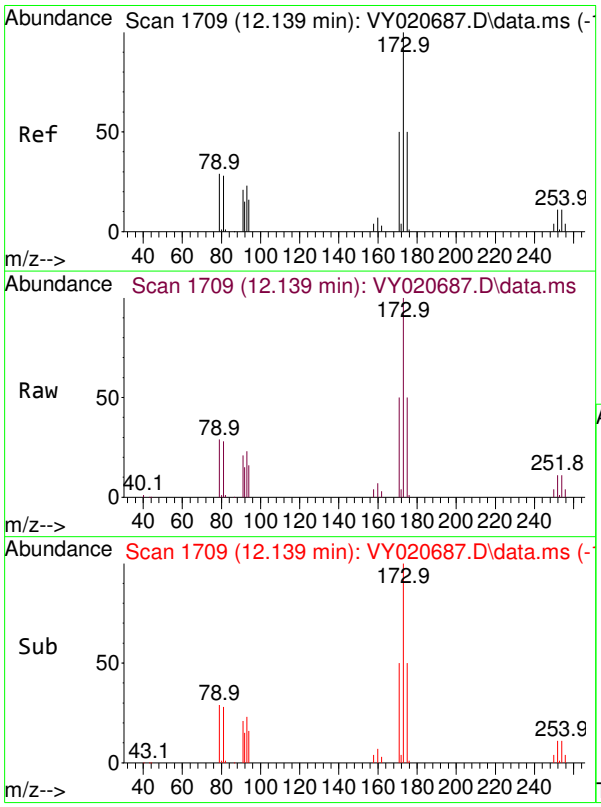


#70
Styrene
Concen: 55.416 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:104 Resp: 136156

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.6	62.4
103	55.5	43.7	65.5



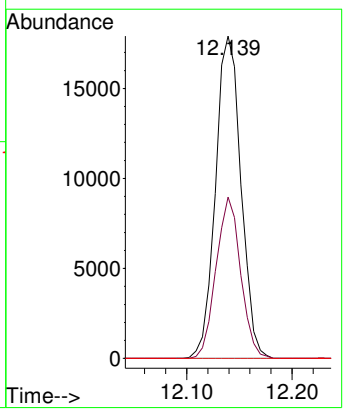


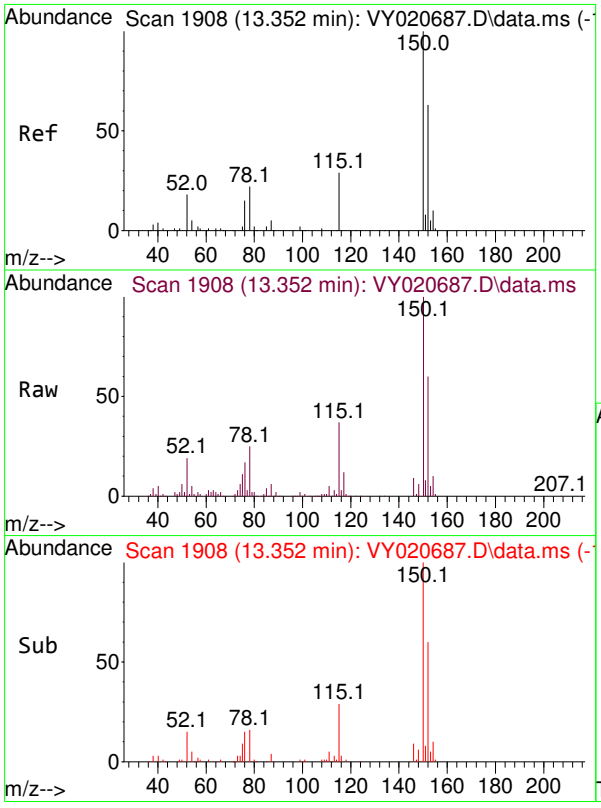
#71
Bromoform
Concen: 59.159 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 30077

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

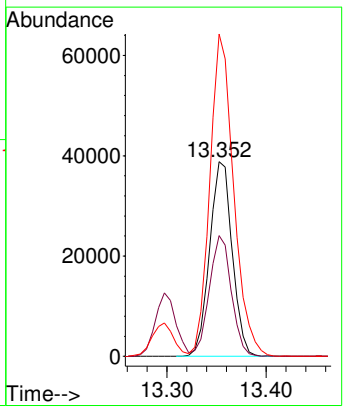


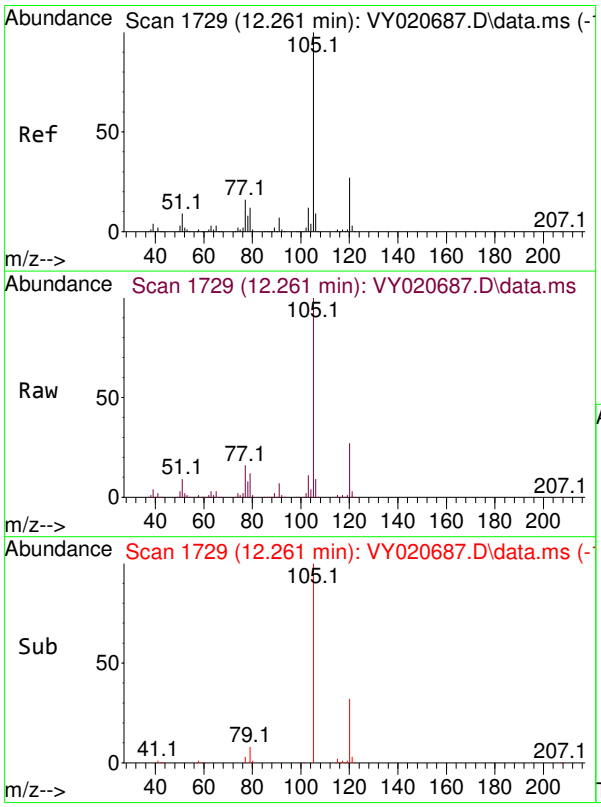


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:152 Resp: 61579

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.2	90.6
150	174.5	0.0	355.4



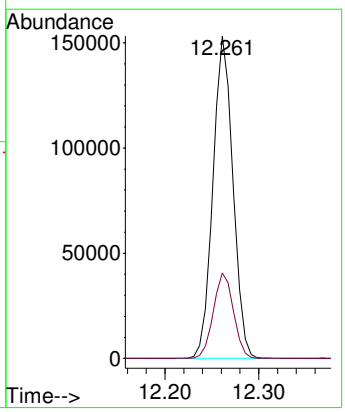


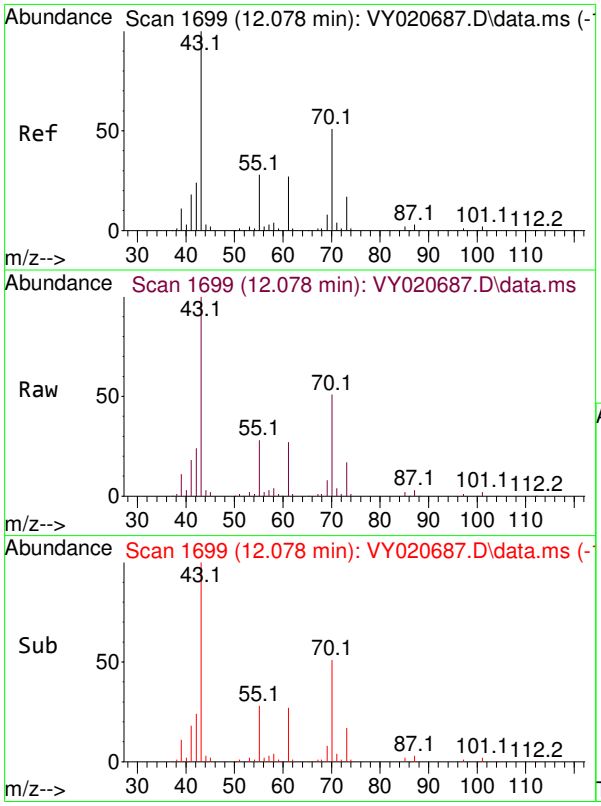
#73
Isopropylbenzene
Concen: 53.916 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 225831

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

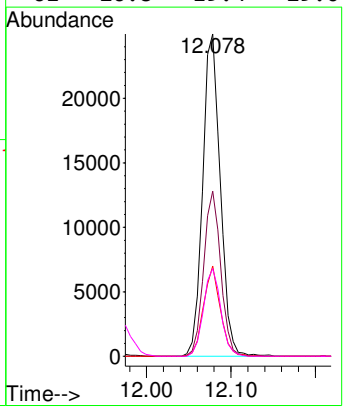


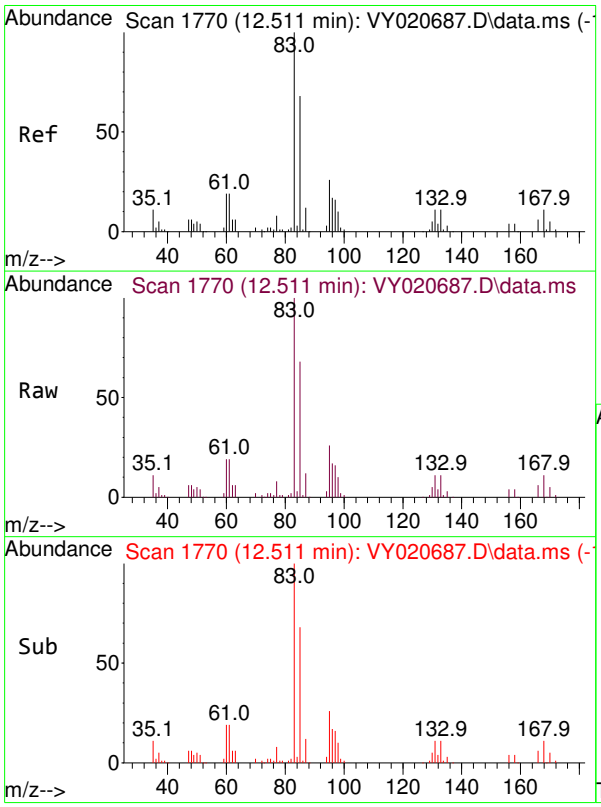


#74
N-amyl acetate
Concen: 61.787 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 43 Resp: 36365

Ion	Ratio	Lower	Upper
43	100		
70	49.6	34.2	51.2
55	26.9	19.6	29.4
61	26.8	19.4	29.0



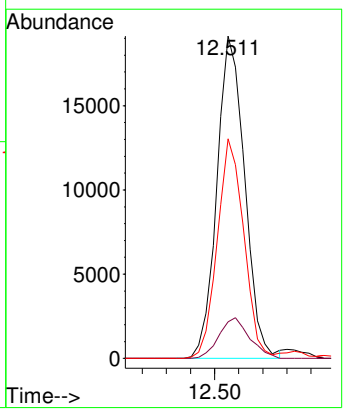


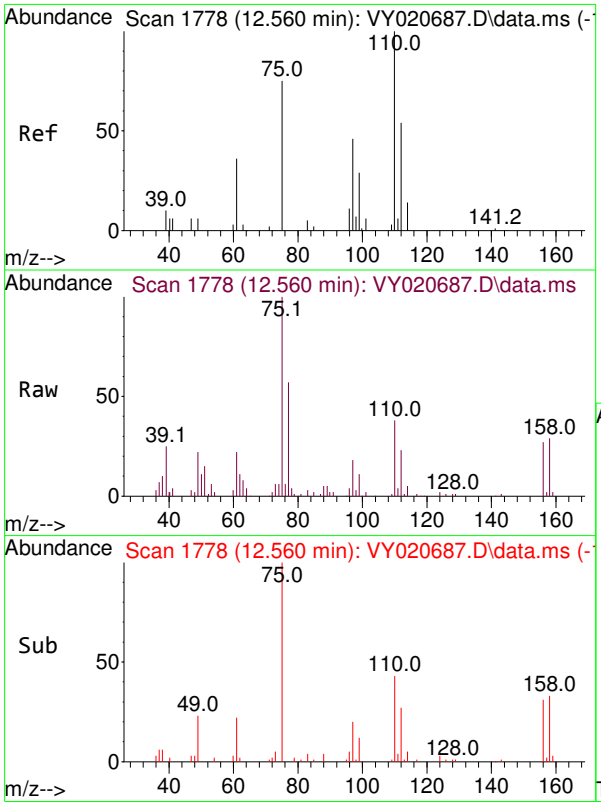
#75
1,1,2,2-Tetrachloroethane
Concen: 56.838 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 30636

Ion	Ratio	Lower	Upper
83	100		
131	13.8	5.2	15.6
85	64.9	32.5	97.4

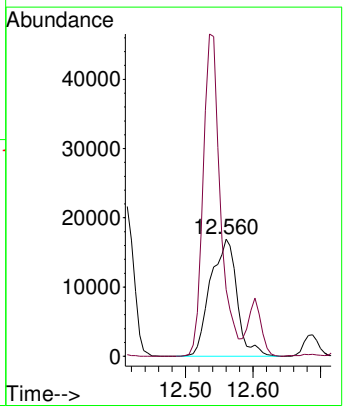


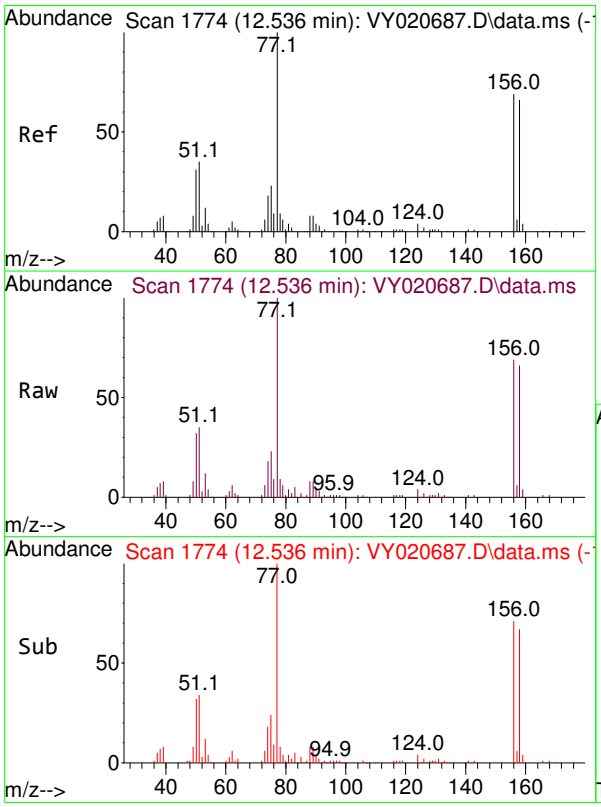


#76
1,2,3-Trichloropropane
Concen: 114.713 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 46299

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



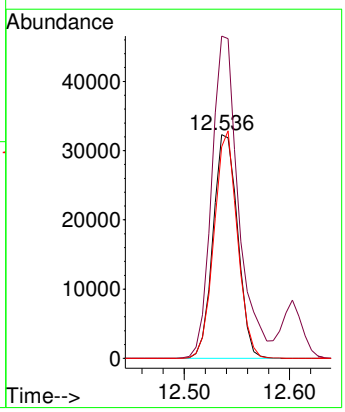


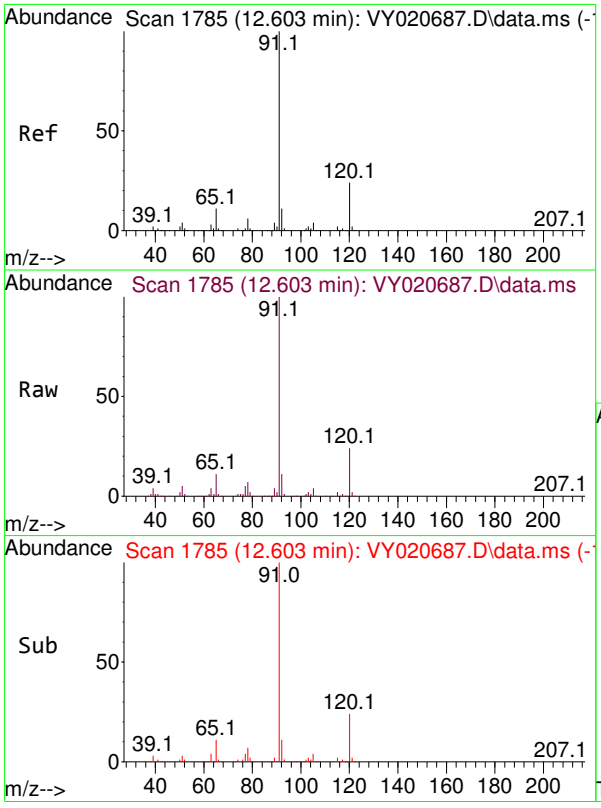
#77
Bromobenzene
Concen: 55.049 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 52505

Ion	Ratio	Lower	Upper
156	100		
77	156.7	94.2	282.4
158	96.6	48.9	146.6

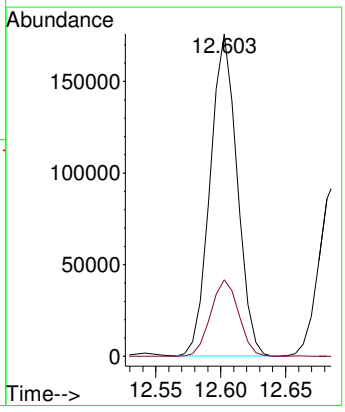


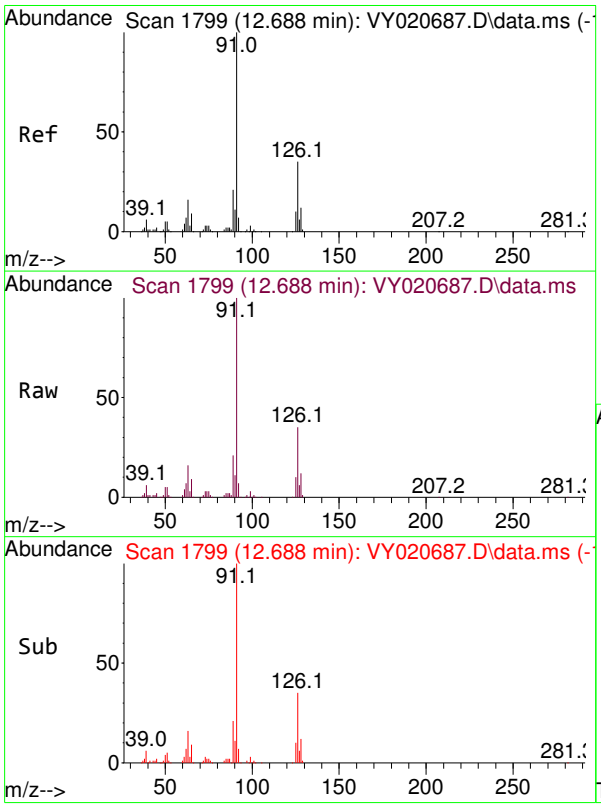


#78
n-propylbenzene
Concen: 53.863 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 254354

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1



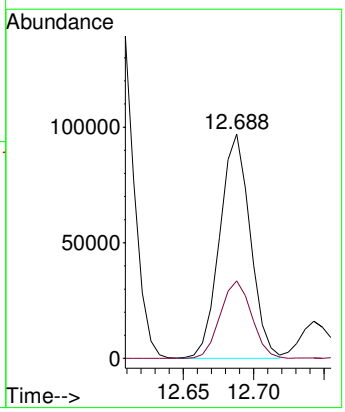


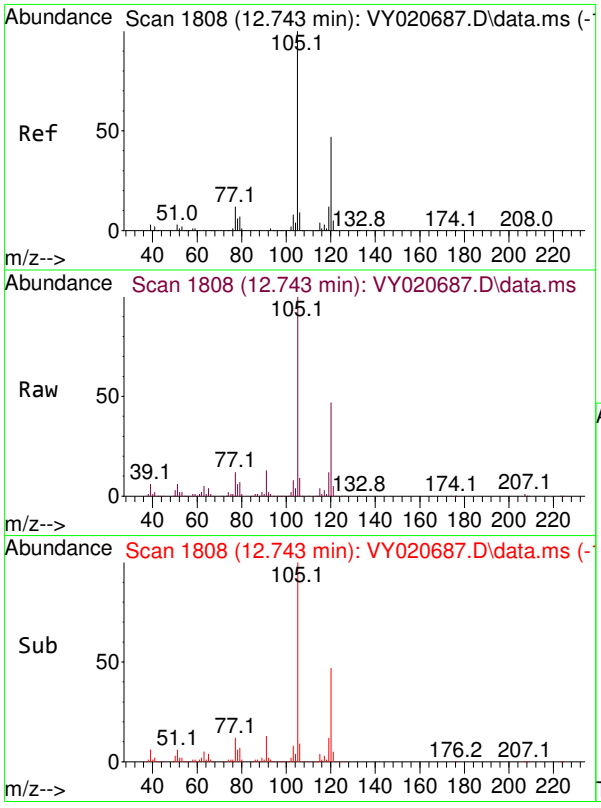
#79
2-Chlorotoluene
Concen: 54.253 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 145847

Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.6	49.7

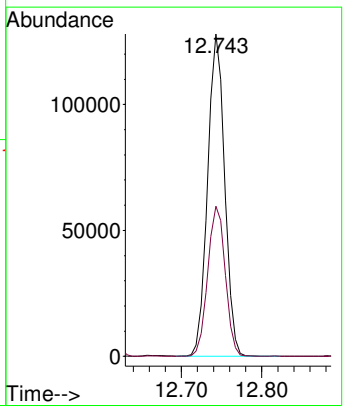


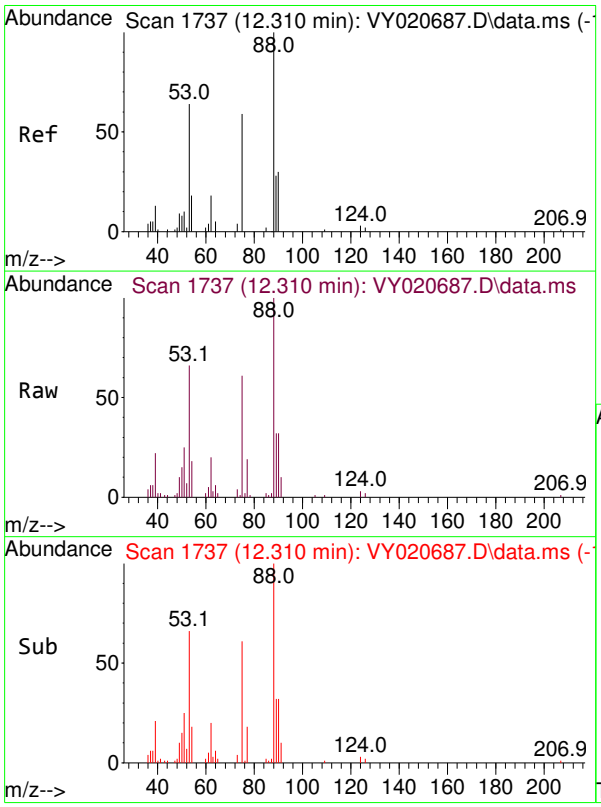


#80
1,3,5-Trimethylbenzene
Concen: 54.200 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 188299

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



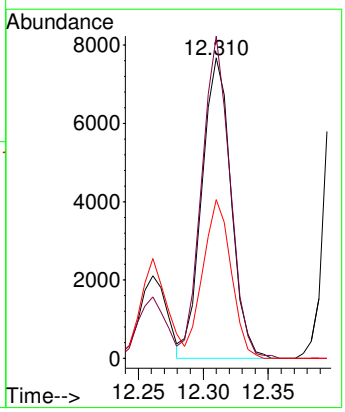


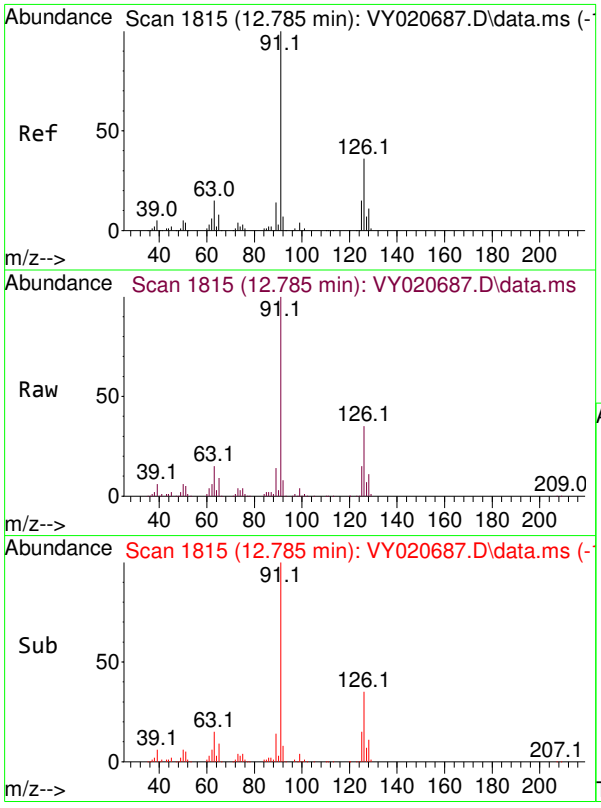
#81
trans-1,4-Dichloro-2-butene
Concen: 61.368 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 11989

Ion	Ratio	Lower	Upper
75	100		
53	103.9	75.4	113.2
89	50.8	37.0	55.4

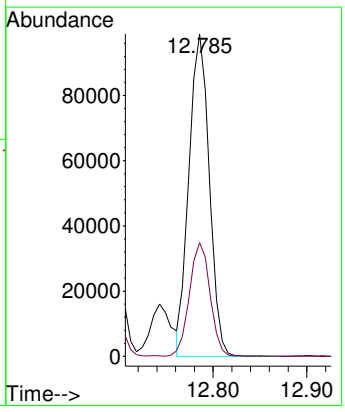


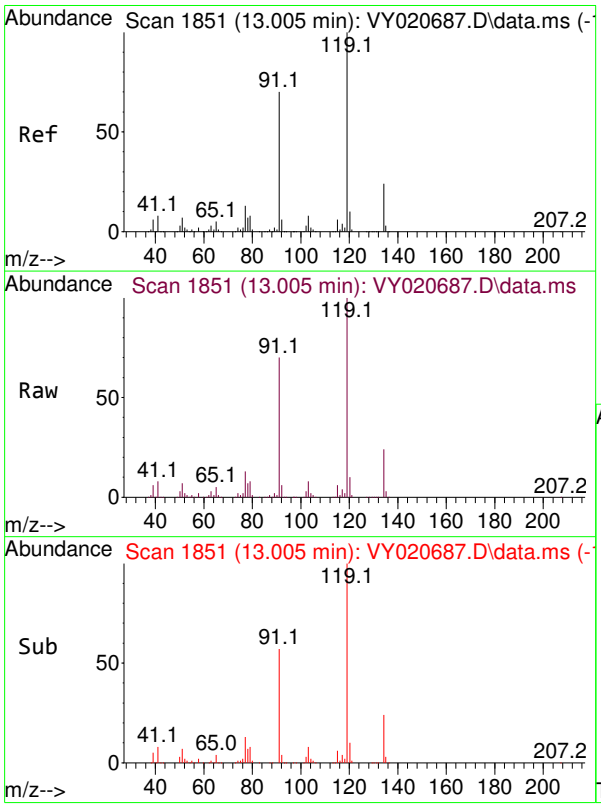


#82
4-Chlorotoluene
Concen: 54.377 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 91 Resp: 149088

Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.6	49.7



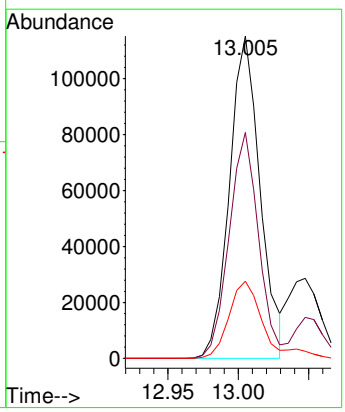


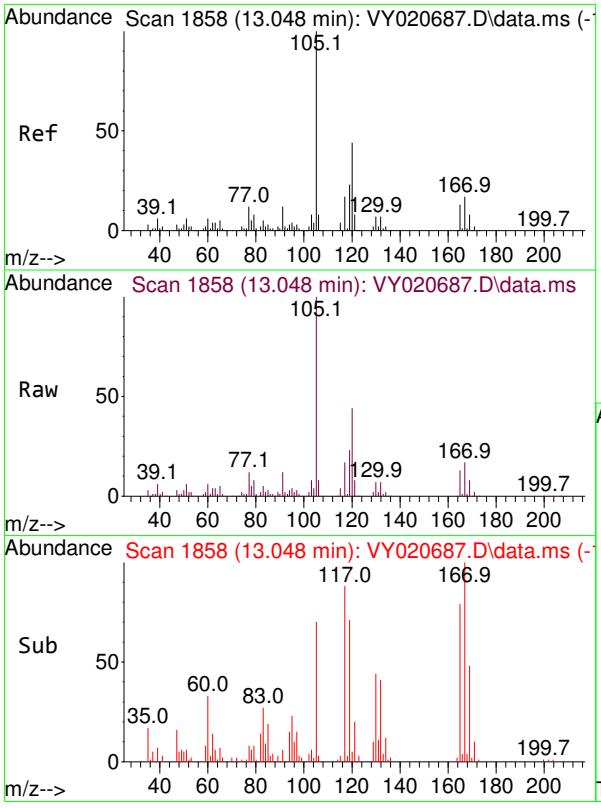
#83
tert-Butylbenzene
Concen: 54.141 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 175014

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.6
134	26.8	13.1	39.1

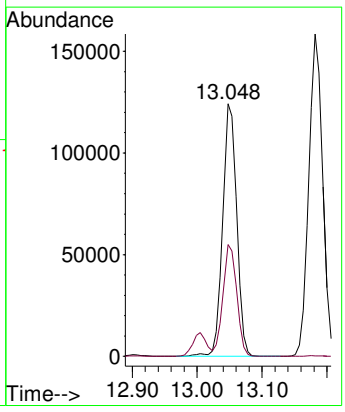


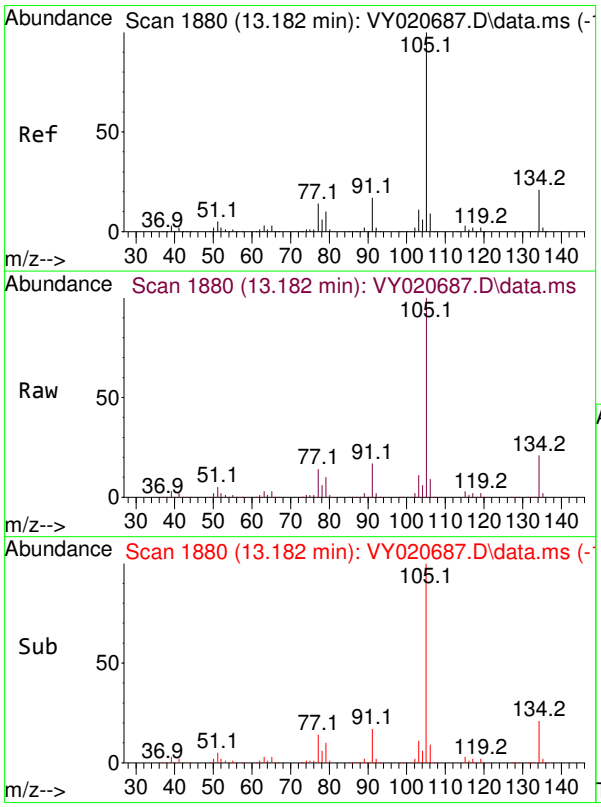


#84
1,2,4-Trimethylbenzene
Concen: 55.133 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:105 Resp: 187108

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.4



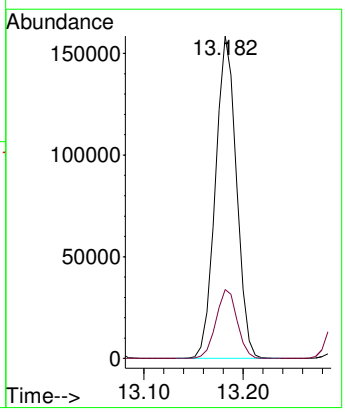


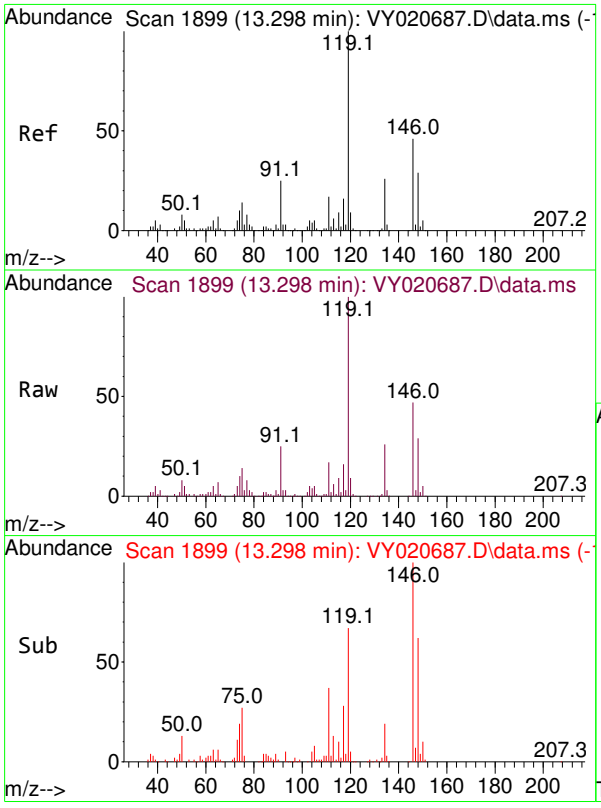
#85
sec-Butylbenzene
Concen: 53.941 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 234783

Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.0	30.0

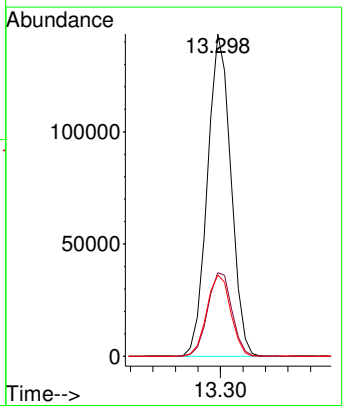


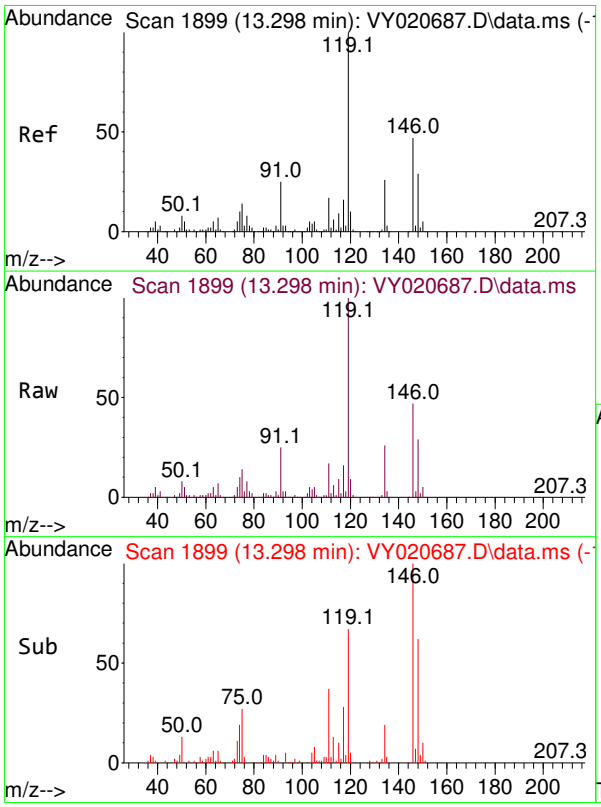


#86
p-Isopropyltoluene
Concen: 54.626 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:119 Resp: 207868

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.7	12.1	36.3



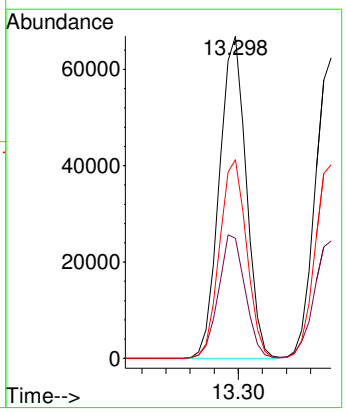


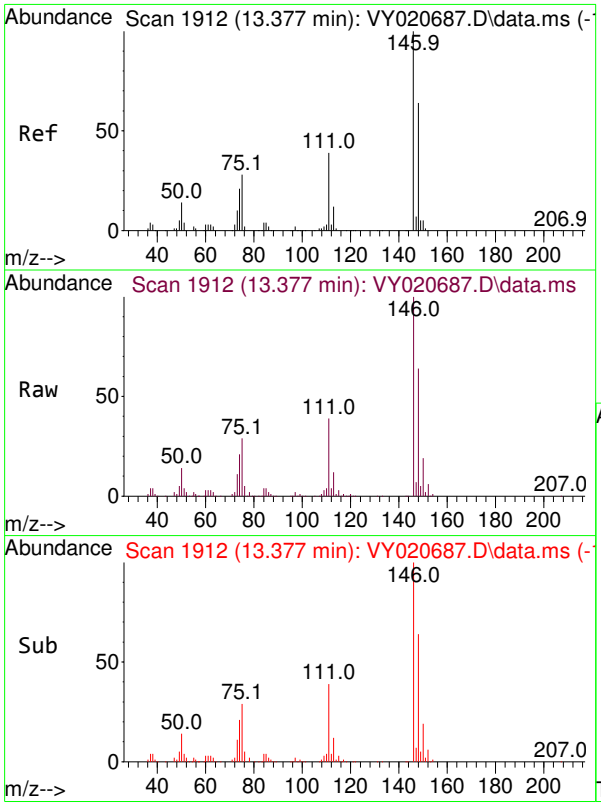
#87
1,3-Dichlorobenzene
Concen: 55.664 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 103140

Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.6	61.8
148	62.3	31.4	94.0

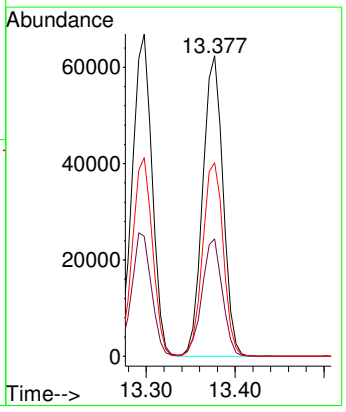


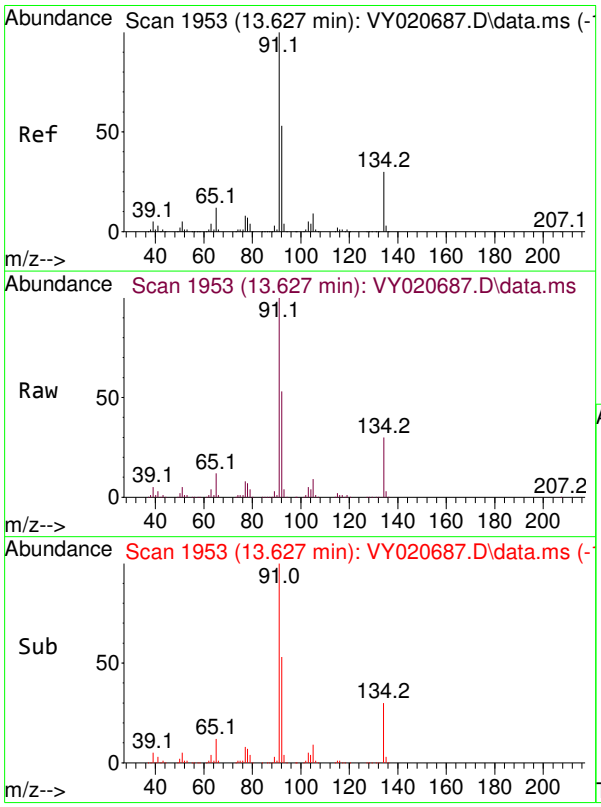


#88
1,4-Dichlorobenzene
Concen: 54.451 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:146 Resp: 98848

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	65.5	31.9	95.5



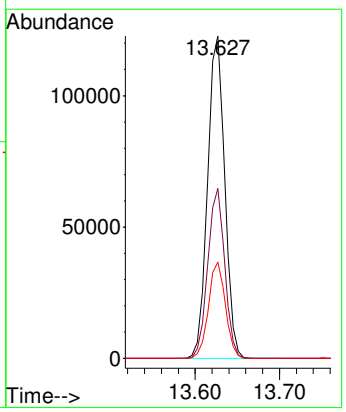


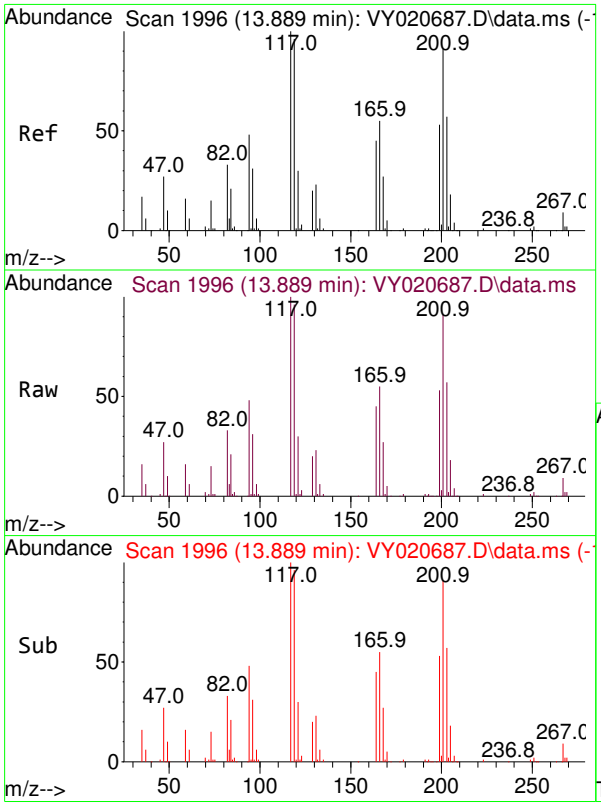
#89
n-Butylbenzene
Concen: 54.256 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 173932

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.4
134	29.6	12.5	37.5

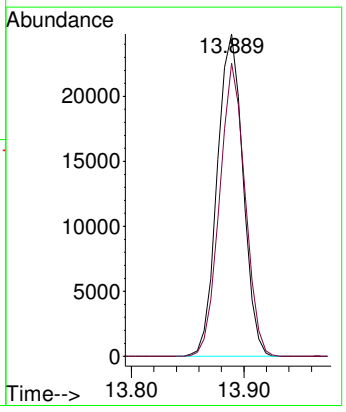


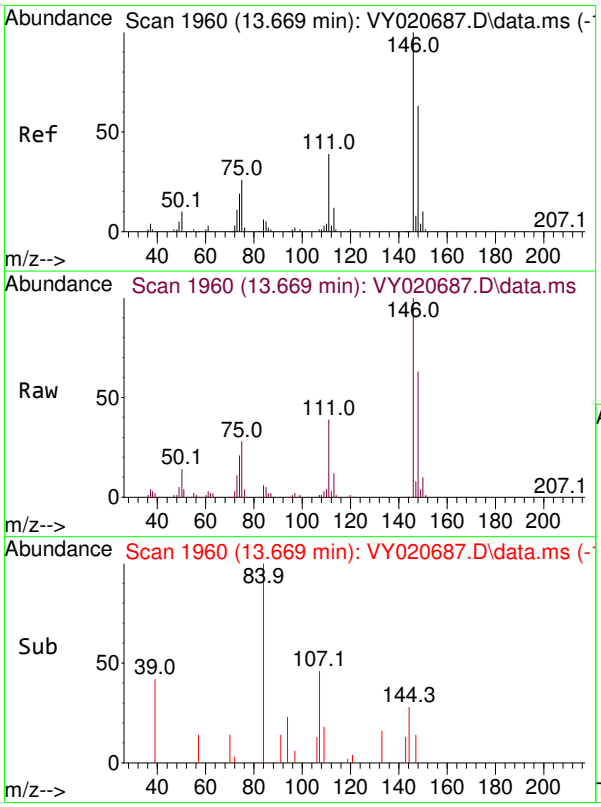


#90
Hexachloroethane
Concen: 54.527 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:117 Resp: 39363

Ion	Ratio	Lower	Upper
117	100		
201	89.8	39.1	117.3



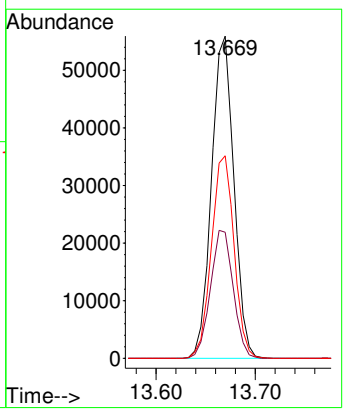


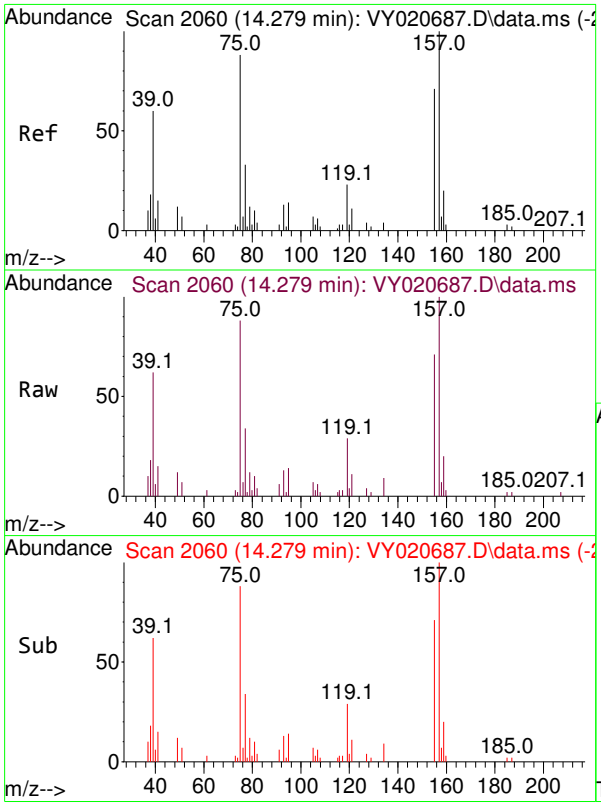
#91
1,2-Dichlorobenzene
Concen: 55.411 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 88113

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.3	63.7
148	63.7	32.0	96.0

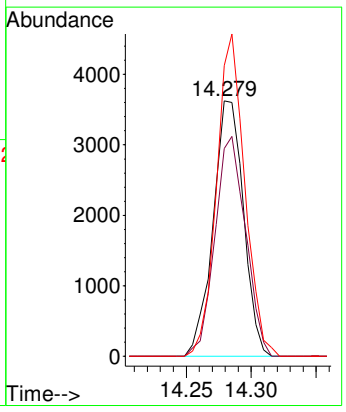


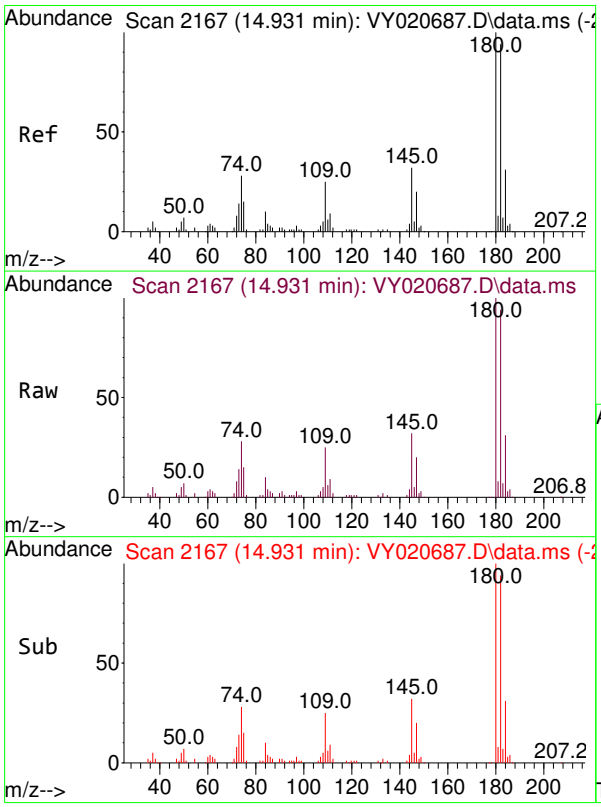


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.338 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion: 75 Resp: 5889

Ion	Ratio	Lower	Upper
75	100		
155	86.8	41.1	123.3
157	117.1	52.9	158.8



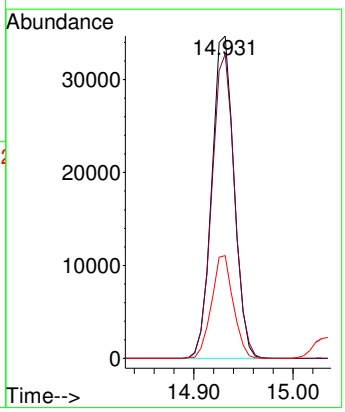


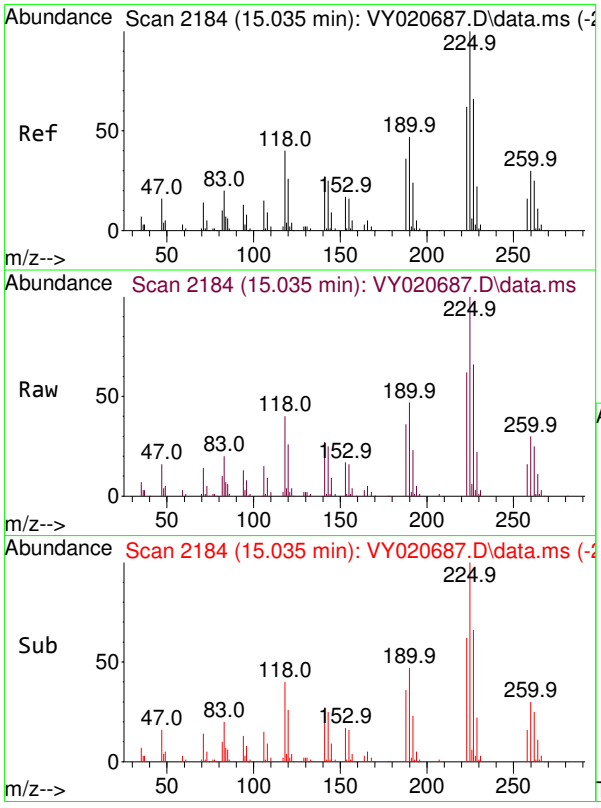
#93
1,2,4-Trichlorobenzene
Concen: 57.563 ug/l
RT: 14.931 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 54343

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	31.2	15.6	46.7

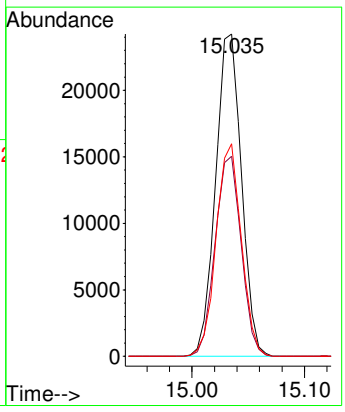


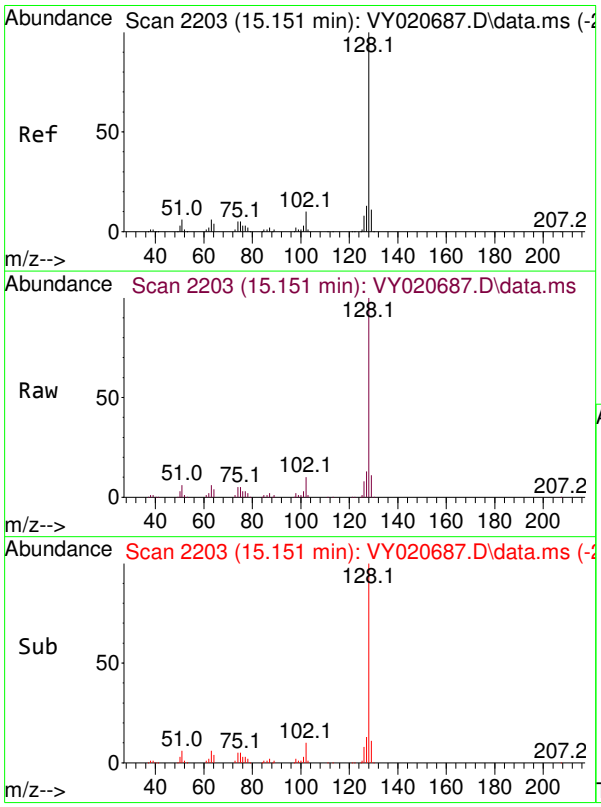


#94
Hexachlorobutadiene
Concen: 54.993 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:225 Resp: 38655

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	64.3	32.2	96.6



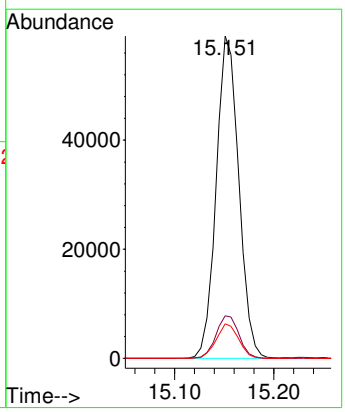


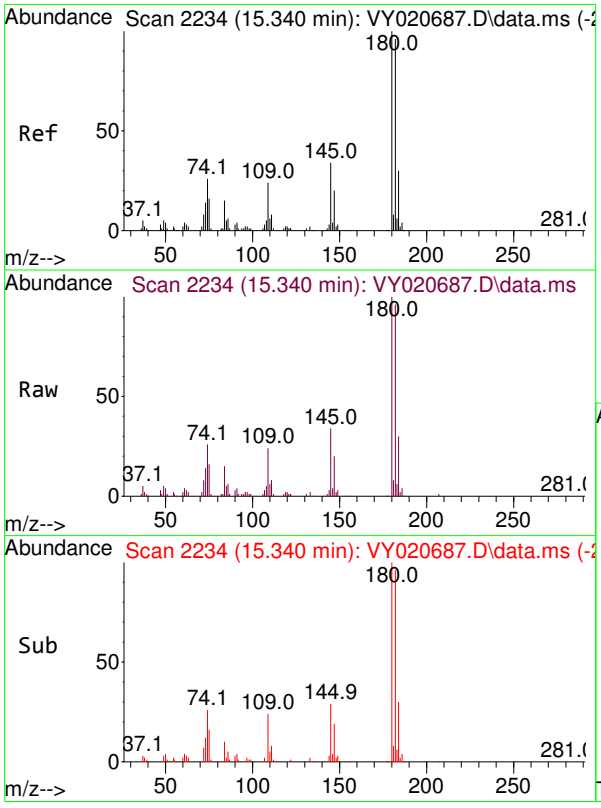
#95
Naphthalene
Concen: 53.559 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 94107

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.5	12.7

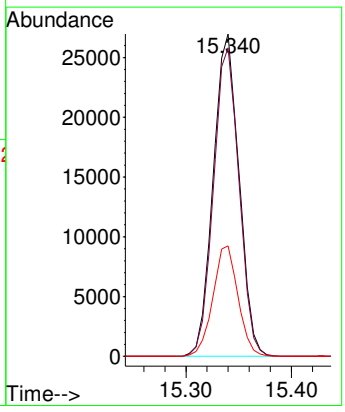




#96
1,2,3-Trichlorobenzene
Concen: 58.249 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020687.D
Acq: 23 Dec 2024 12:38

Tgt Ion:180 Resp: 45974

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	33.4	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	114917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	161431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	68148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	107875	105.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 211.980%#			
35) Dibromofluoromethane	7.646	113	97918	103.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 206.600%#			
50) Toluene-d8	10.115	98	390215	113.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 226.680%#			
62) 4-Bromofluorobenzene	12.414	95	131639	105.052	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 210.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	89821	101.455	ug/l	100
3) Chloromethane	2.080	50	37072	102.783	ug/l	100
4) Vinyl Chloride	2.214	62	44356	100.868	ug/l	93
5) Bromomethane	2.605	94	33090	106.564	ug/l	99
6) Chloroethane	2.751	64	27563	103.130	ug/l	96
7) Trichlorofluoromethane	3.074	101	160384	101.420	ug/l	99
8) Diethyl Ether	3.470	74	37549	99.200	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.836	101	87024	100.775	ug/l	92
10) Methyl Iodide	4.025	142	107624	108.190	ug/l #	88
11) Tert butyl alcohol	4.891	59	25979	318.860	ug/l	100
12) 1,1-Dichloroethene	3.806	96	80132	104.556	ug/l	84
13) Acrolein	3.665	56	7342	496.081	ug/l	93
14) Allyl chloride	4.403	41	95186	105.911	ug/l #	73
15) Acrylonitrile	5.074	53	68275	489.356	ug/l	98
16) Acetone	3.885	43	49690	427.441	ug/l	100
17) Carbon Disulfide	4.123	76	208423	109.076	ug/l	100
18) Methyl Acetate	4.403	43	30643	101.885	ug/l #	85
19) Methyl tert-butyl Ether	5.135	73	208626	100.077	ug/l #	90
20) Methylene Chloride	4.635	84	76582	98.860	ug/l #	83
21) trans-1,2-Dichloroethene	5.135	96	85046	102.915	ug/l	91
22) Diisopropyl ether	6.031	45	188210	102.437	ug/l #	83
23) Vinyl Acetate	5.976	43	544539	500.508	ug/l #	87
24) 1,1-Dichloroethane	5.933	63	141575	103.363	ug/l	97
25) 2-Butanone	6.909	43	73820	452.043	ug/l #	80
26) 2,2-Dichloropropane	6.903	77	168995	98.619	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	99555	101.147	ug/l	92
28) Bromochloromethane	7.262	49	41610	98.532	ug/l #	55
29) Tetrahydrofuran	7.281	42	45035	469.198	ug/l #	71
30) Chloroform	7.433	83	174703	97.036	ug/l	98
31) Cyclohexane	7.719	56	111397	92.759	ug/l #	79
32) 1,1,1-Trichloroethane	7.634	97	190628	101.352	ug/l	97
36) 1,1-Dichloropropene	7.854	75	117395	101.890	ug/l	95
37) Ethyl Acetate	6.994	43	36128	95.946	ug/l #	95
38) Carbon Tetrachloride	7.829	117	192226	103.099	ug/l	99
39) Methylcyclohexane	9.116	83	151542	103.478	ug/l	90
40) Benzene	8.091	78	341310	102.685	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	21222	99.583	ug/l		88
42) 1,2-Dichloroethane	8.171	62	105608	99.903	ug/l		98
43) Isopropyl Acetate	8.207	43	78883	100.794	ug/l	#	86
44) Trichloroethene	8.872	130	100237	101.613	ug/l		92
45) 1,2-Dichloropropane	9.152	63	66549	101.903	ug/l		99
46) Dibromomethane	9.238	93	46353	102.813	ug/l		91
47) Bromodichloromethane	9.433	83	130454	102.003	ug/l	#	98
48) Methyl methacrylate	9.225	41	36664	98.826	ug/l	#	78
49) 1,4-Dioxane	9.244	88	8370	1770.697	ug/l		86
51) 4-Methyl-2-Pentanone	10.006	43	184189	471.139	ug/l		94
52) Toluene	10.176	92	233399	103.116	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	118321	104.556	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	129658	103.980	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	58085	99.500	ug/l		92
56) Ethyl methacrylate	10.445	69	78593	105.543	ug/l		88
57) 1,3-Dichloropropane	10.725	76	95590	100.174	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	148461	533.514	ug/l	#	82
59) 2-Hexanone	10.768	43	126162	506.636	ug/l		93
60) Dibromochloromethane	10.920	129	94400	101.284	ug/l		100
61) 1,2-Dibromoethane	11.024	107	53742	98.200	ug/l		100
64) Tetrachloroethene	10.652	164	93704	102.542	ug/l		98
65) Chlorobenzene	11.451	112	263137	102.339	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	101593	101.181	ug/l		95
67) Ethyl Benzene	11.524	91	473982	102.747	ug/l		98
68) m/p-Xylenes	11.633	106	361168	205.313	ug/l		99
69) o-Xylene	11.963	106	170942	103.449	ug/l		99
70) Styrene	11.975	104	286046	102.918	ug/l		99
71) Bromoform	12.139	173	56620	98.450	ug/l	#	99
73) Isopropylbenzene	12.261	105	479106	103.358	ug/l		99
74) N-amyl acetate	12.078	43	69966	107.418	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	57744	96.804	ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	85238	190.834	ug/l	#	100
77) Bromobenzene	12.542	156	108194	102.501	ug/l		84
78) n-propylbenzene	12.603	91	535367	102.443	ug/l		96
79) 2-Chlorotoluene	12.688	91	302669	101.736	ug/l		96
80) 1,3,5-Trimethylbenzene	12.743	105	396768	103.198	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	21044	97.335	ug/l		86
82) 4-Chlorotoluene	12.786	91	308333	101.618	ug/l		95
83) tert-Butylbenzene	13.005	119	368377	102.974	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	389540	103.718	ug/l		99
85) sec-Butylbenzene	13.182	105	500341	103.872	ug/l		97
86) p-Isopropyltoluene	13.298	119	444365	105.520	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	208263	101.565	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	204683	101.883	ug/l		99
89) n-Butylbenzene	13.627	91	374806	105.647	ug/l		96
90) Hexachloroethane	13.889	117	84108	105.279	ug/l		86
91) 1,2-Dichlorobenzene	13.670	146	178630	101.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	10912	96.002	ug/l		94
93) 1,2,4-Trichlorobenzene	14.932	180	118085	113.025	ug/l		99
94) Hexachlorobutadiene	15.035	225	84724	108.914	ug/l		98
95) Naphthalene	15.151	128	186615	93.198	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	98291	112.531	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

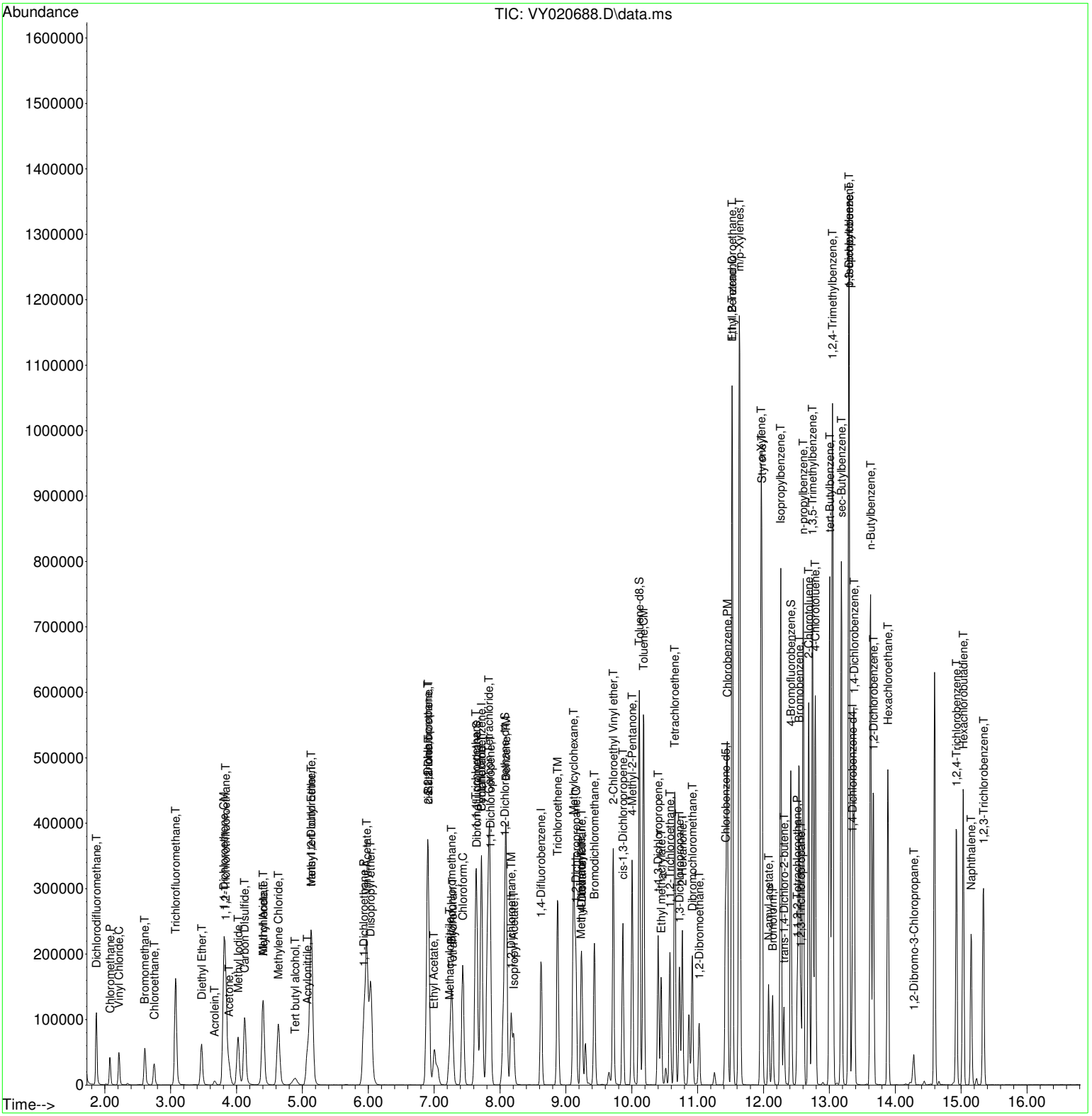
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

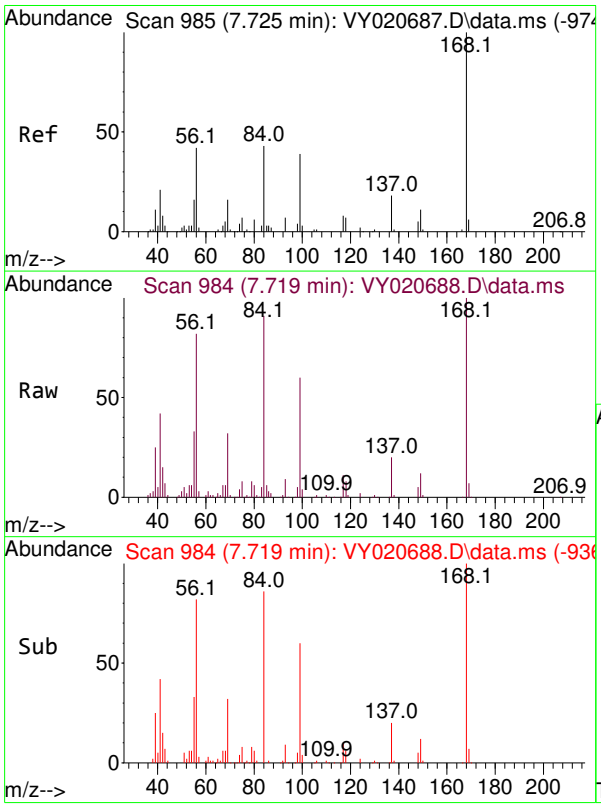
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020688.D
Acq On : 23 Dec 2024 13:01
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 23 13:47:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration



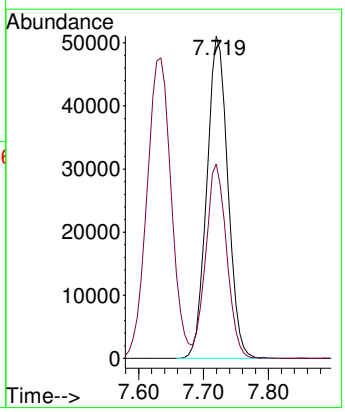


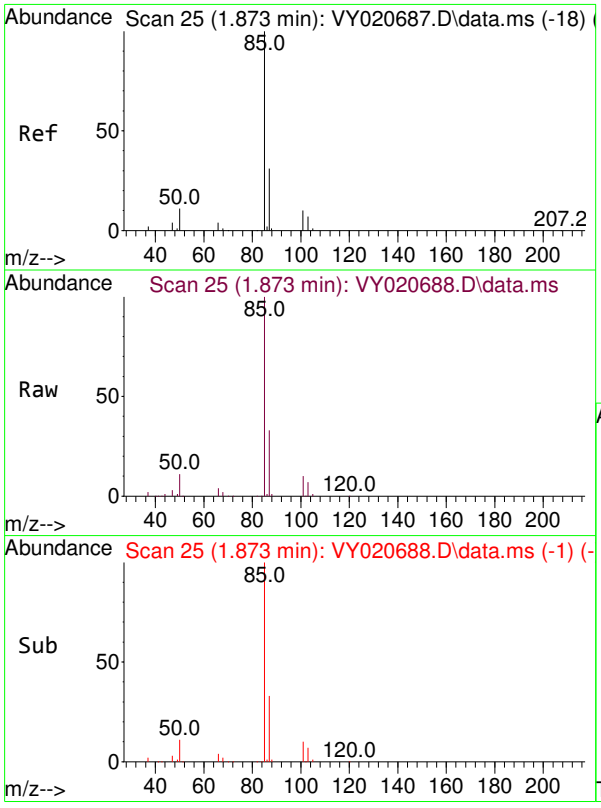
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 114917

Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.0	70.6

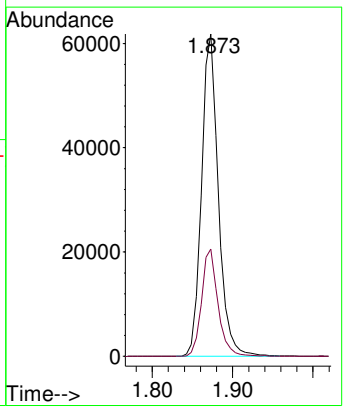


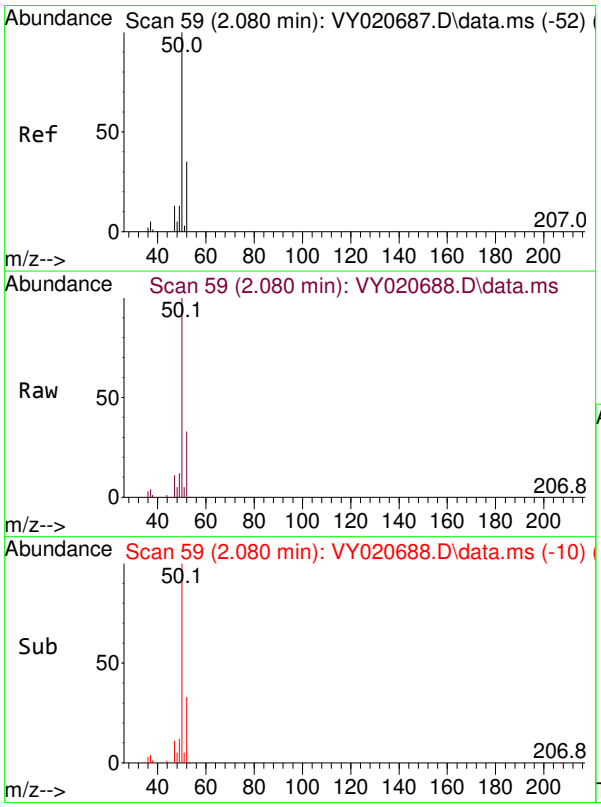


#2
Dichlorodifluoromethane
Concen: 101.455 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 85 Resp: 89821

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.8	50.3



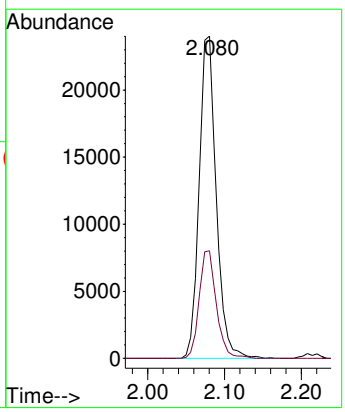


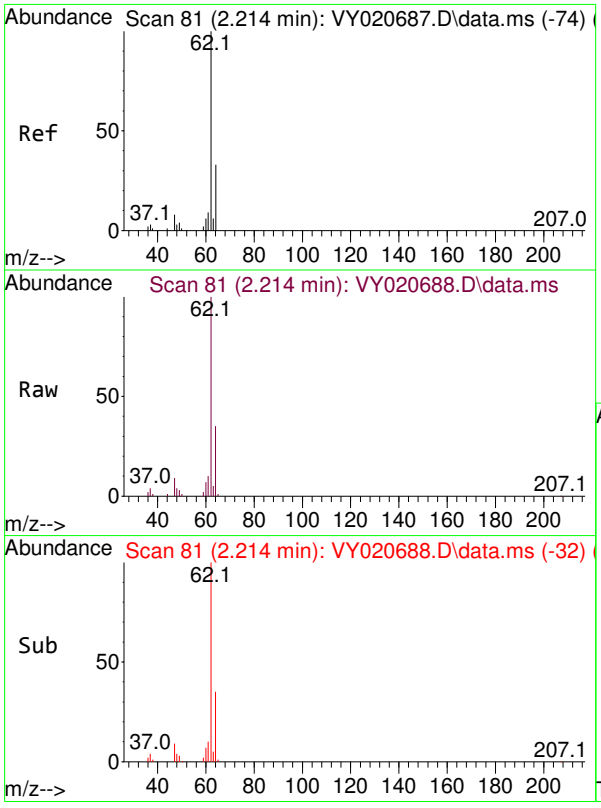
#3
Chloromethane
Concen: 102.783 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 37072

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.8	40.2

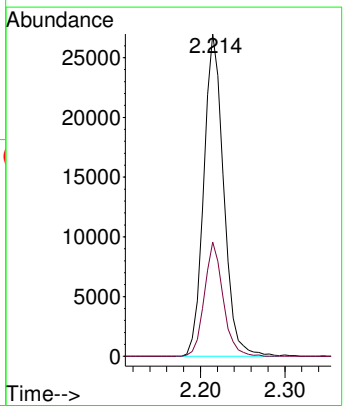


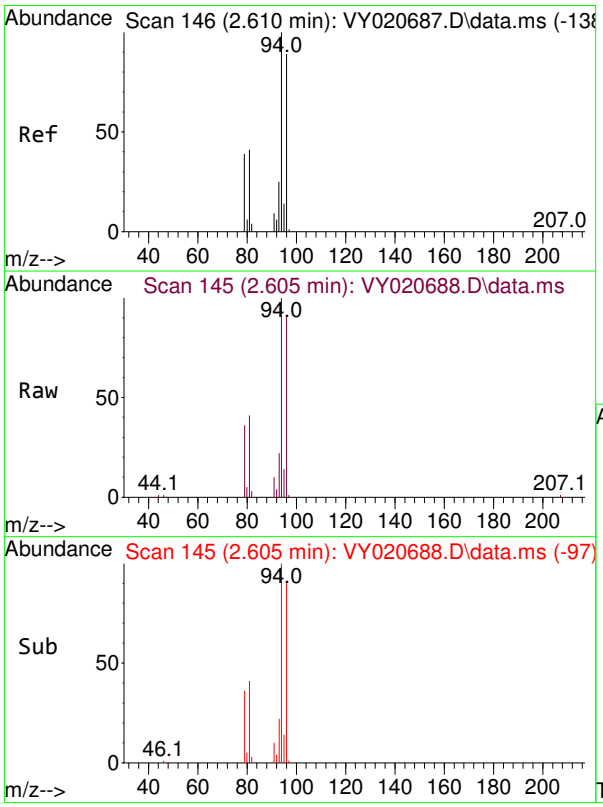


#4
Vinyl Chloride
Concen: 100.868 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 62 Resp: 44356

Ion	Ratio	Lower	Upper
62	100		
64	35.5	25.3	37.9



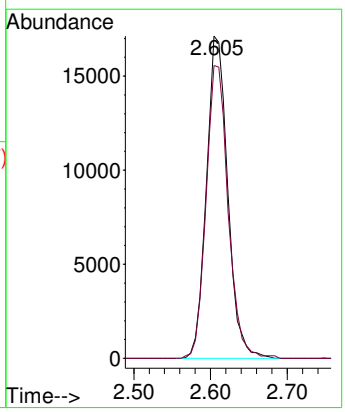


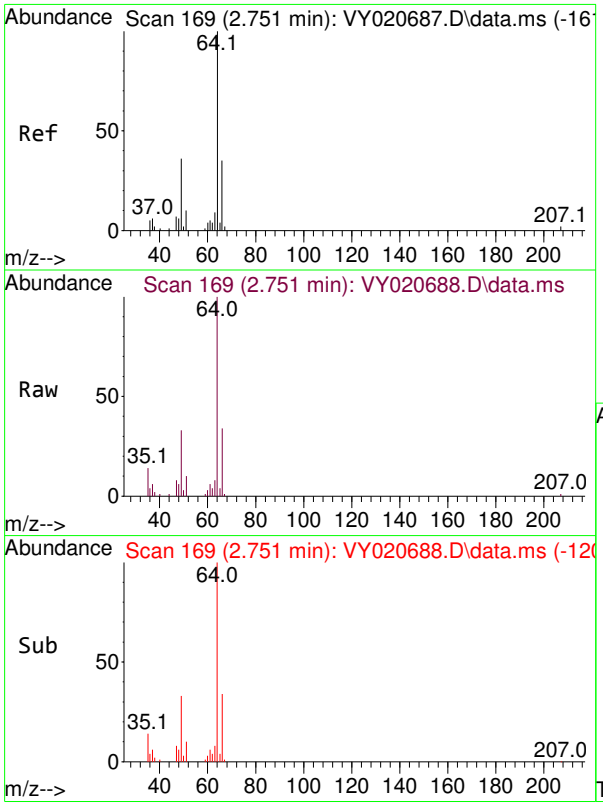
#5
Bromomethane
Concen: 106.564 ug/l
RT: 2.605 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 33090

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.8	110.6

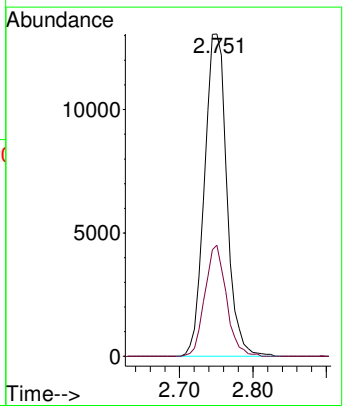


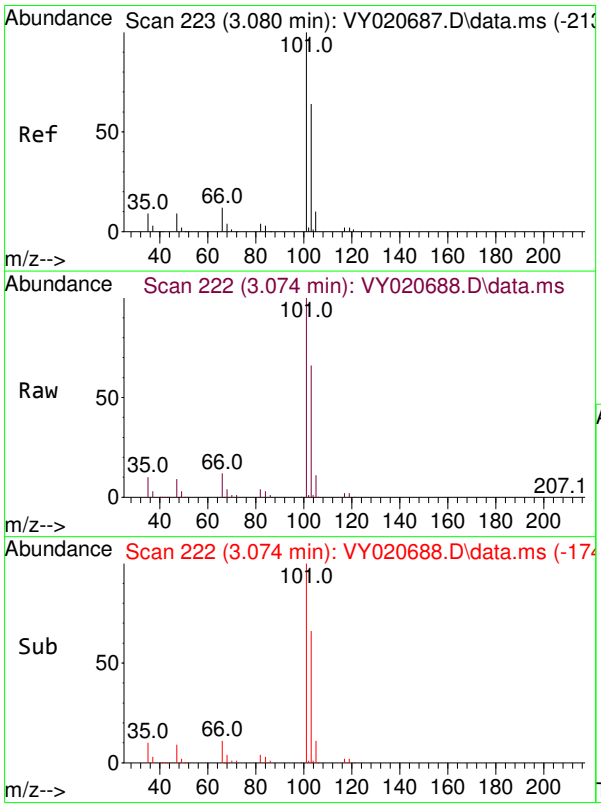


#6
Chloroethane
Concen: 103.130 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 64 Resp: 27563

Ion	Ratio	Lower	Upper
64	100		
66	34.5	25.8	38.6



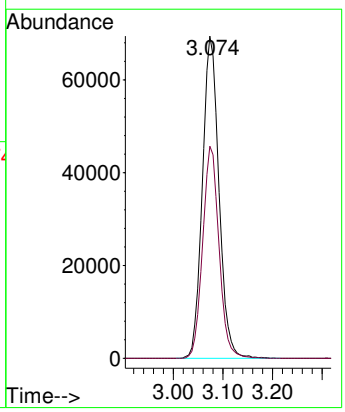


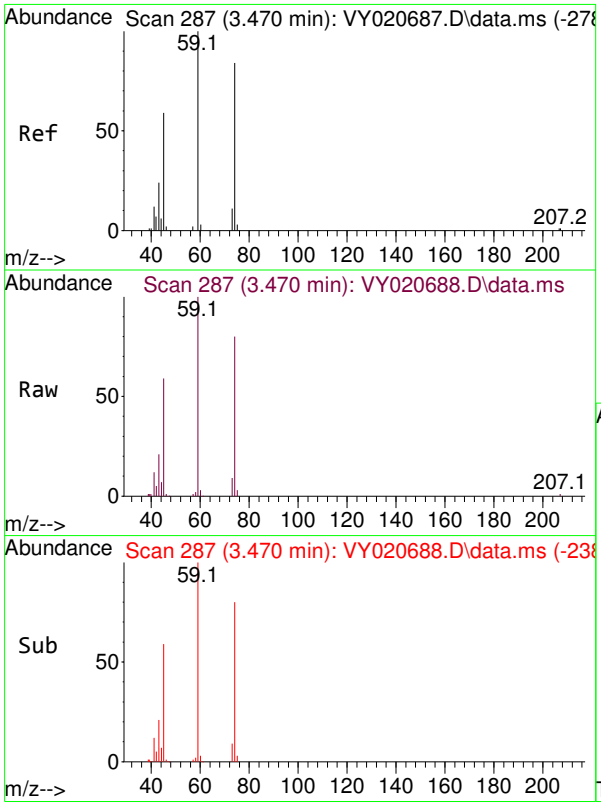
#7
Trichlorofluoromethane
Concen: 101.420 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 160384

Ion	Ratio	Lower	Upper
101	100		
103	65.8	53.4	80.0

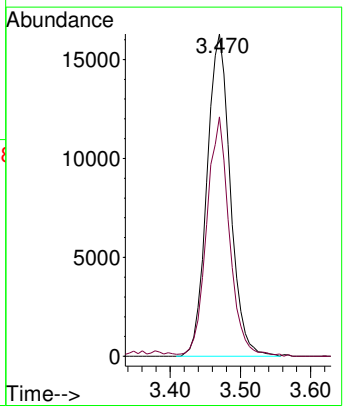


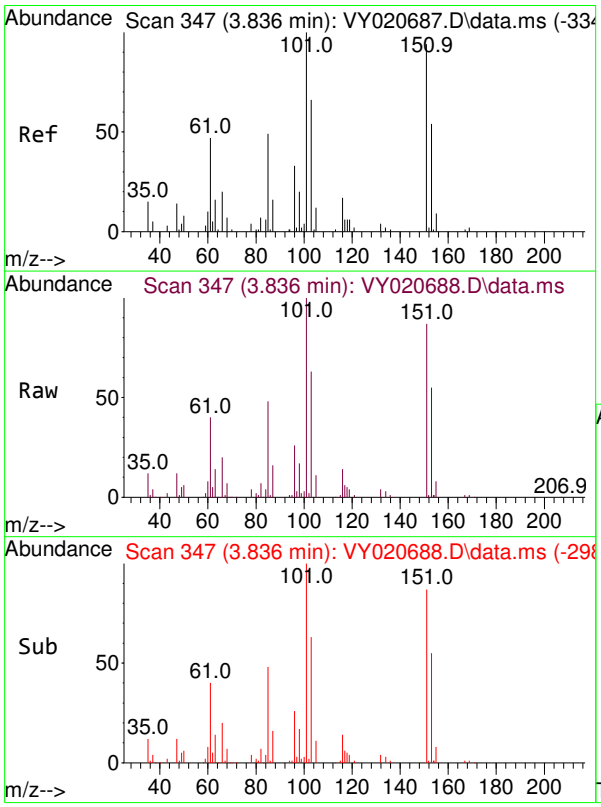


#8
Diethyl Ether
Concen: 99.200 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 74 Resp: 37549

Ion	Ratio	Lower	Upper
74	100		
45	72.5	49.0	147.2



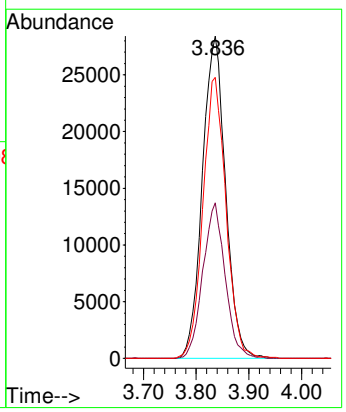


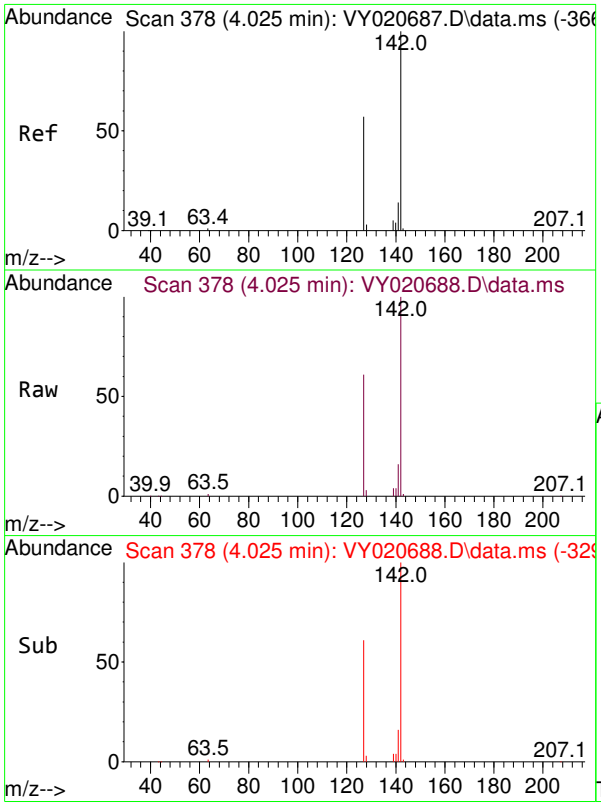
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.775 ug/l
RT: 3.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 87024

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.6	54.8
151	86.7	61.5	92.3

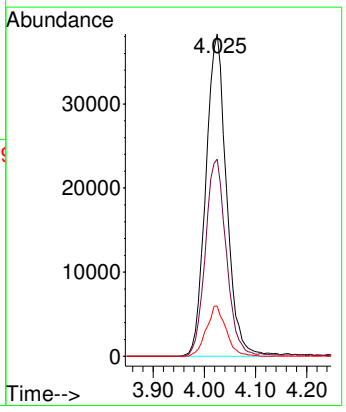


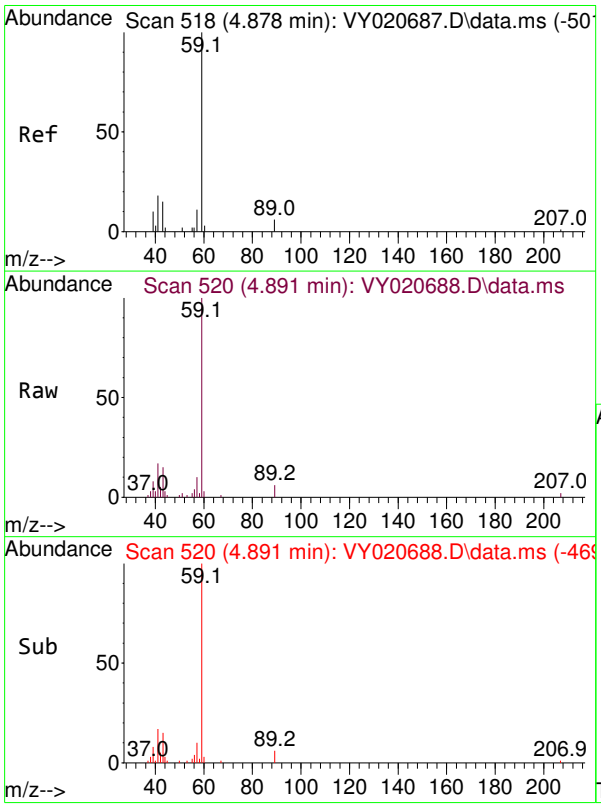


#10
Methyl Iodide
Concen: 108.190 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:142 Resp: 107624

Ion	Ratio	Lower	Upper
142	100		
127	61.7	40.6	61.0#
141	14.9	11.7	17.5



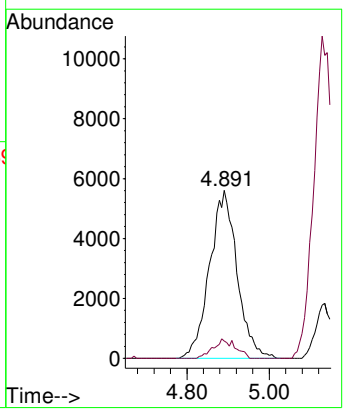


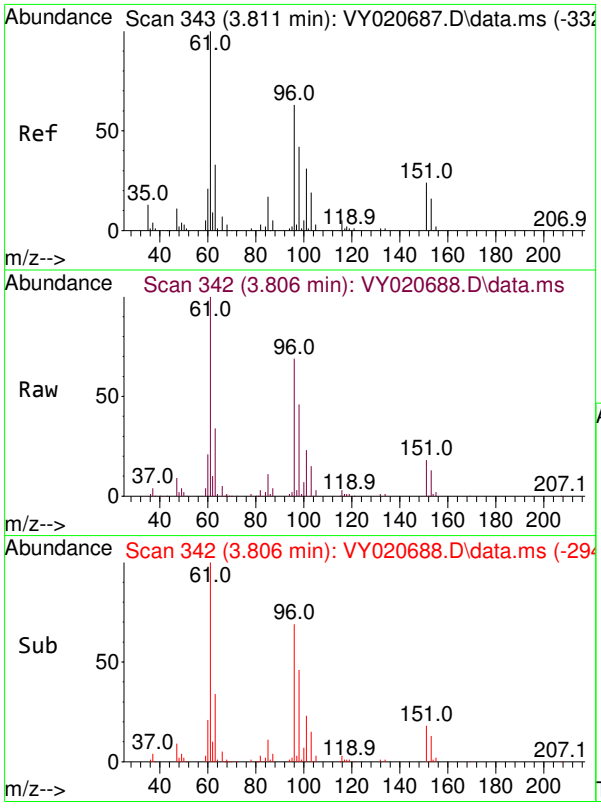
#11
Tert butyl alcohol
Concen: 318.860 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 25979

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0

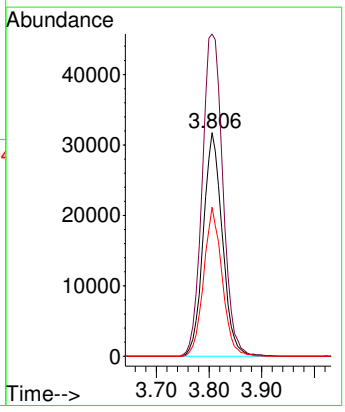


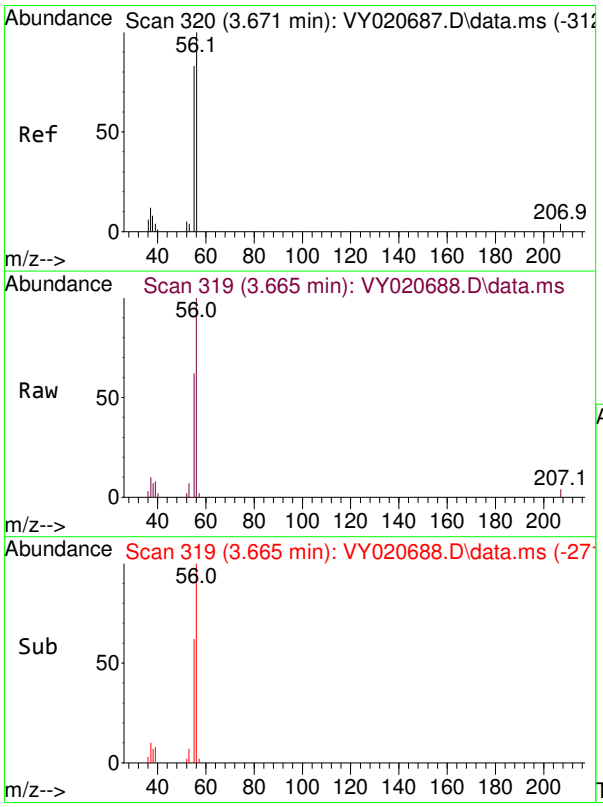


#12
1,1-Dichloroethene
Concen: 104.556 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 96 Resp: 80132

Ion	Ratio	Lower	Upper
96	100		
61	144.1	136.9	205.3
98	66.7	50.2	75.4



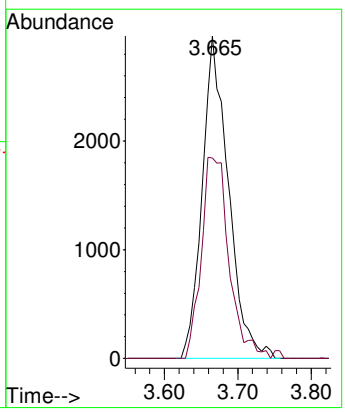


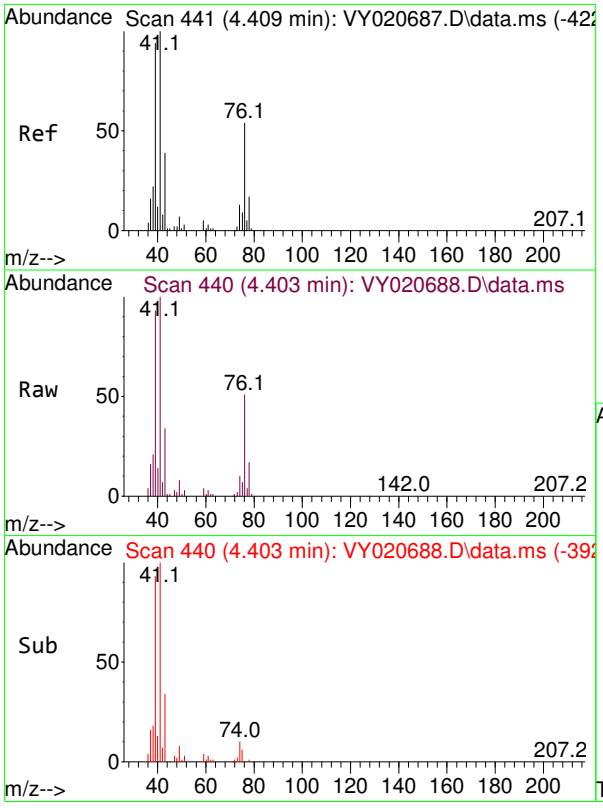
#13
Acrolein
Concen: 496.081 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 7342

Ion	Ratio	Lower	Upper
56	100		
55	65.9	57.5	86.3

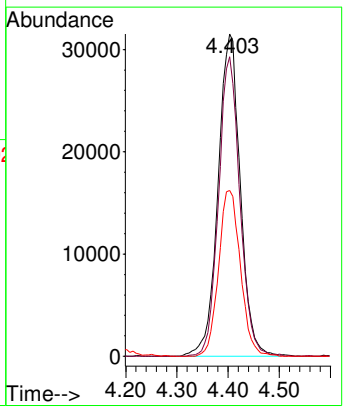


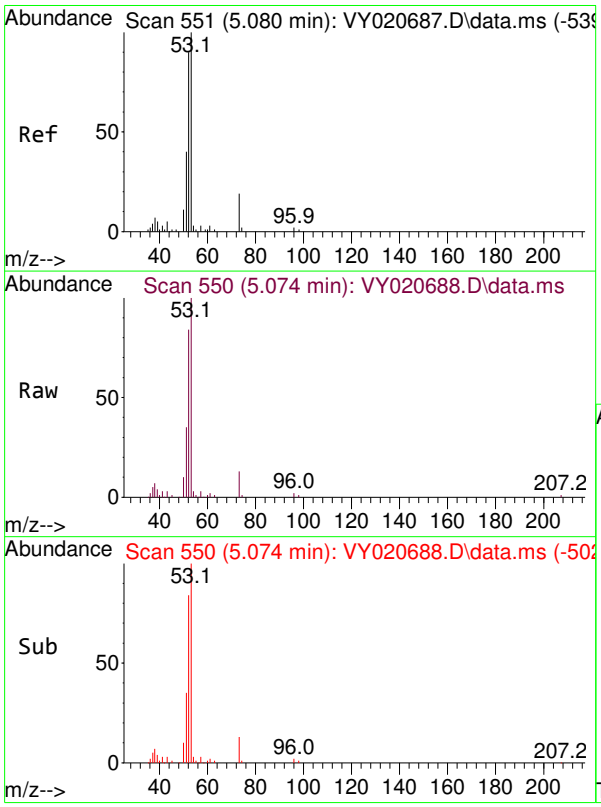


#14
Allyl chloride
Concen: 105.911 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 41 Resp: 95186

Ion	Ratio	Lower	Upper
41	100		
39	89.1	53.0	79.4#
76	50.5	29.5	44.3#



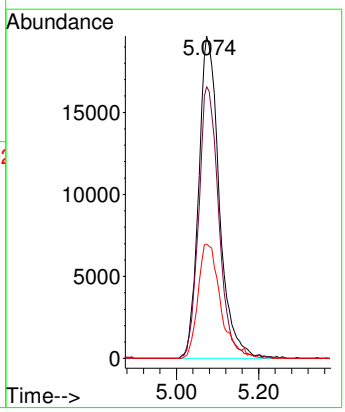


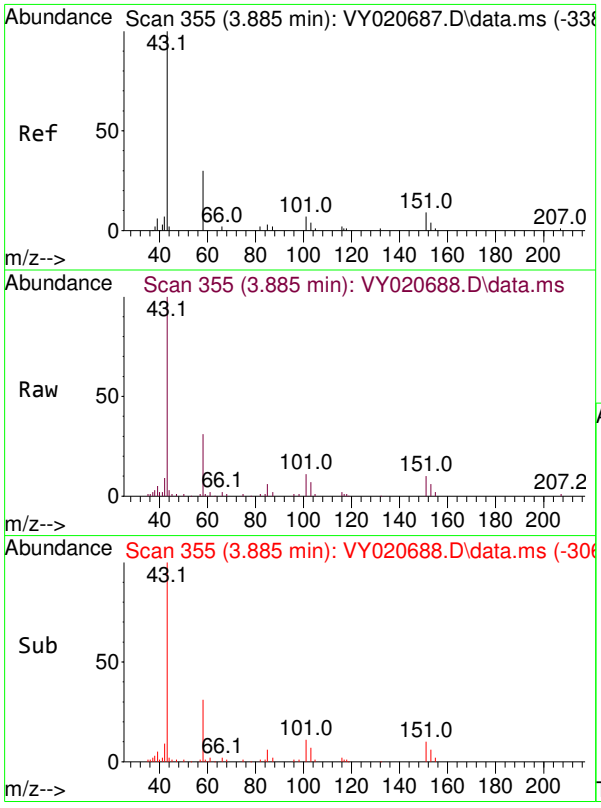
#15
Acrylonitrile
Concen: 489.356 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 68275

Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	39.0	29.4	44.0

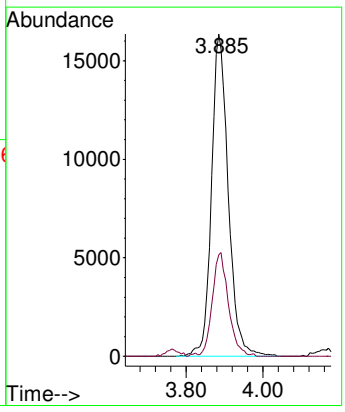


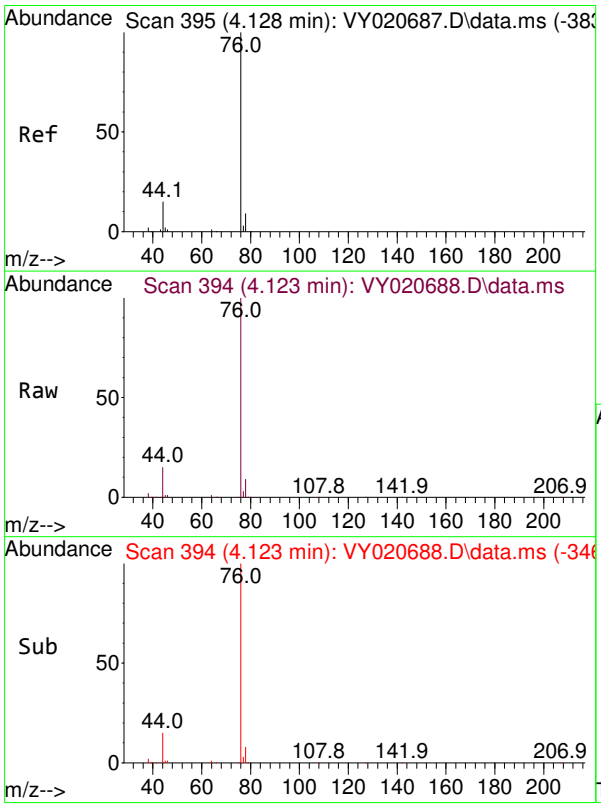


#16
Acetone
Concen: 427.441 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 49690

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.0	37.6



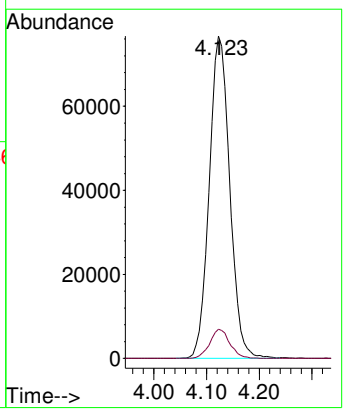


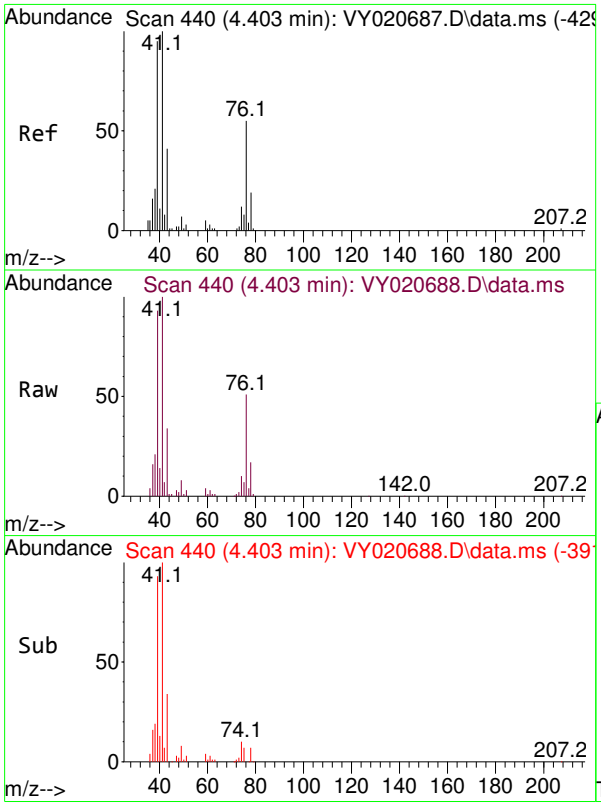
#17
Carbon Disulfide
Concen: 109.076 ug/l
RT: 4.123 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 208423

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

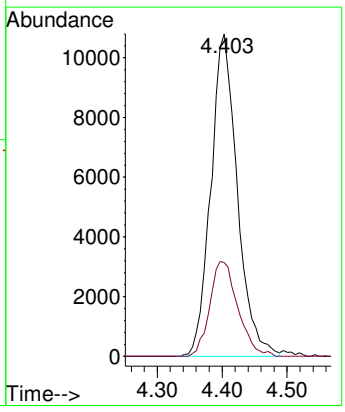


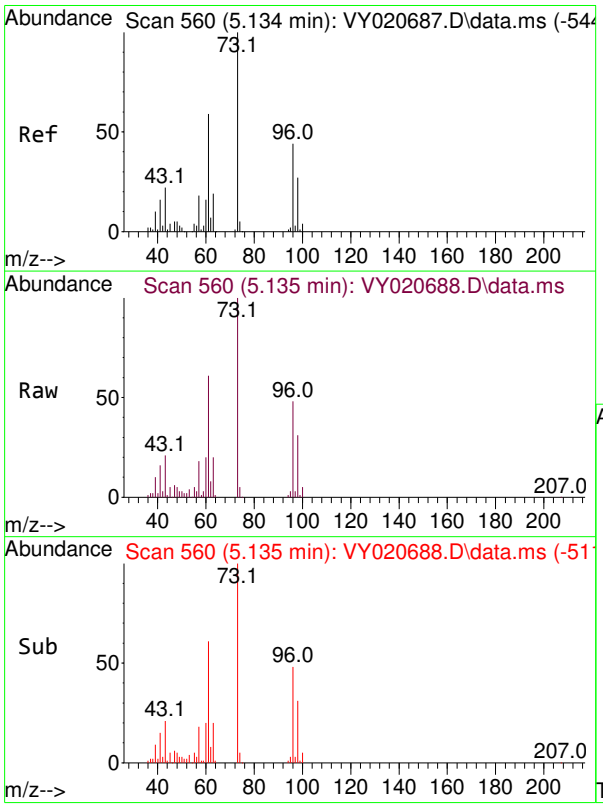


#18
Methyl Acetate
Concen: 101.885 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 30643

Ion	Ratio	Lower	Upper
43	100		
74	31.2	19.2	28.8#



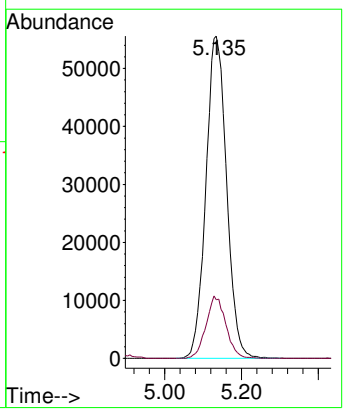


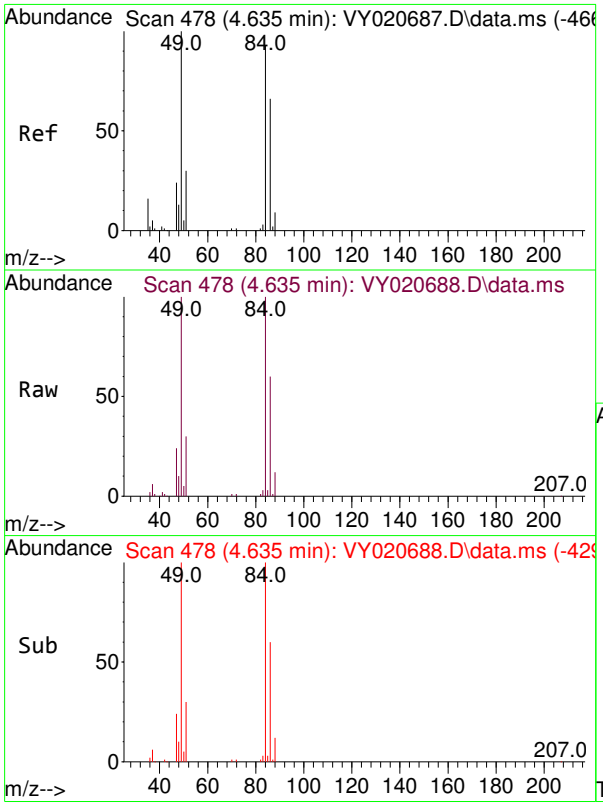
#19
Methyl tert-butyl Ether
Concen: 100.077 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 208626

Ion	Ratio	Lower	Upper
73	100		
57	18.2	18.5	27.7#

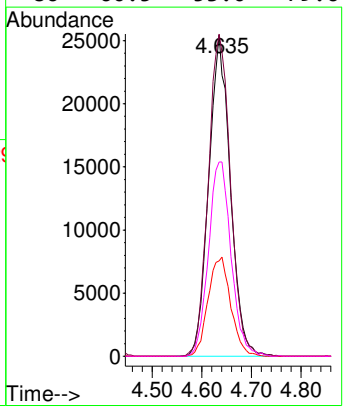


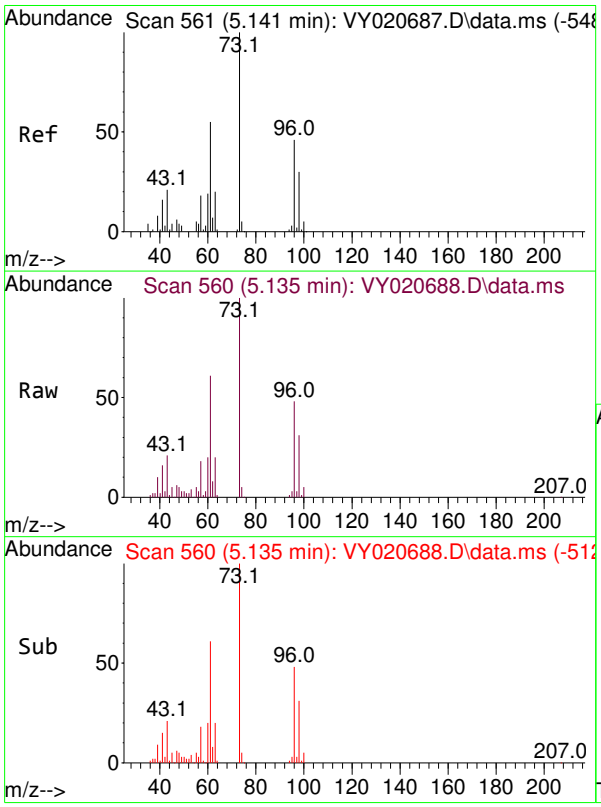


#20
Methylene Chloride
Concen: 98.860 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 84 Resp: 76582

Ion	Ratio	Lower	Upper
84	100		
49	100.3	100.7	151.1#
51	29.7	32.2	48.2#
86	60.5	53.0	79.6



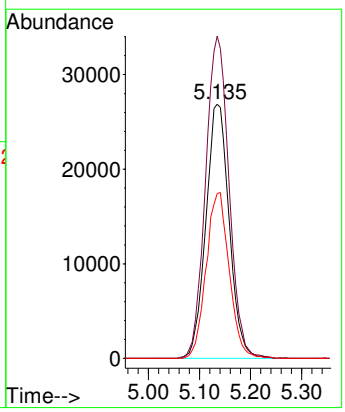


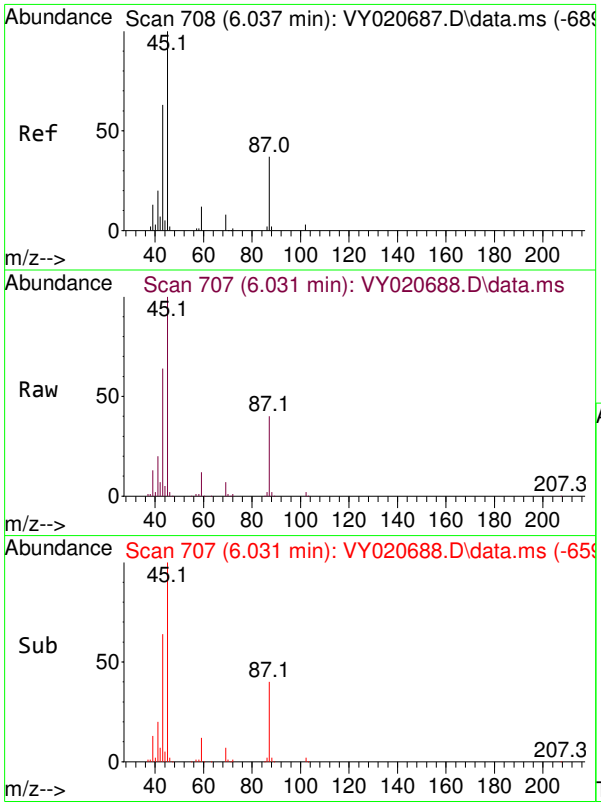
#21
trans-1,2-Dichloroethene
Concen: 102.915 ug/l
RT: 5.135 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 85046

Ion	Ratio	Lower	Upper
96	100		
61	126.9	113.7	170.5
98	64.9	51.7	77.5

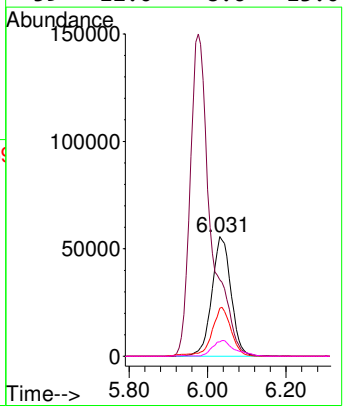


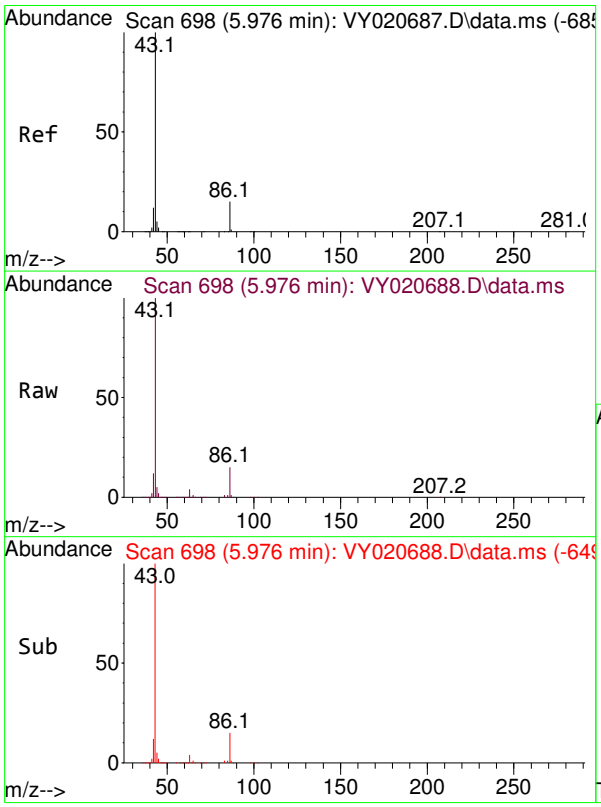


#22
Diisopropyl ether
Concen: 102.437 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 45 Resp: 188210

Ion	Ratio	Lower	Upper
45	100		
43	63.6	42.6	64.0
87	40.1	20.6	31.0#
59	12.0	8.6	13.0



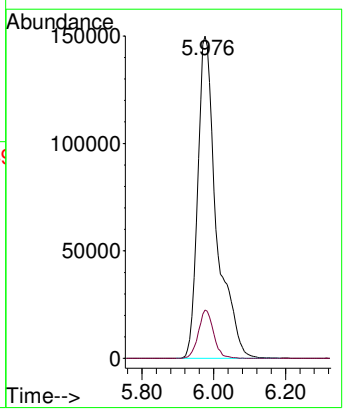


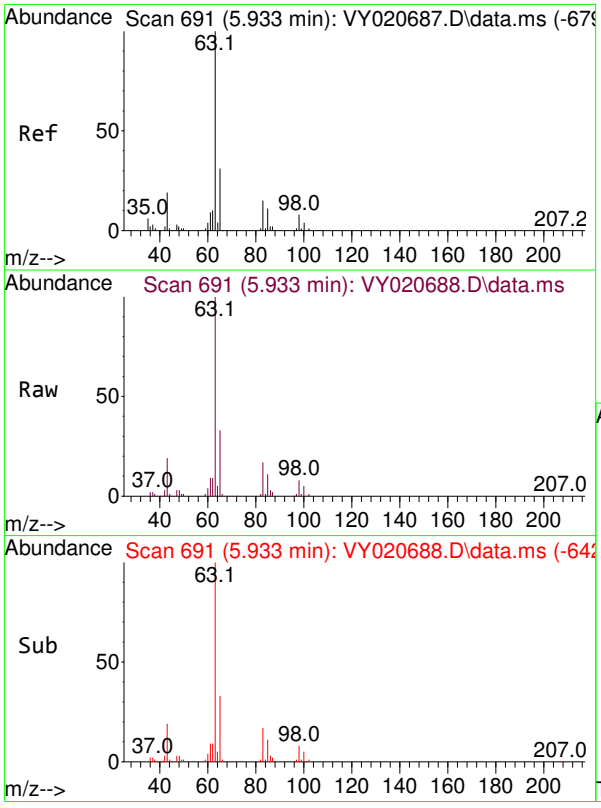
#23
Vinyl Acetate
Concen: 500.508 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 544539

Ion	Ratio	Lower	Upper
43	100		
86	15.0	8.1	12.1#

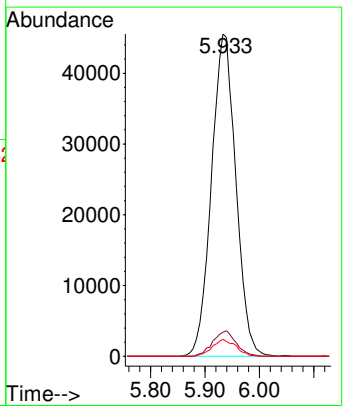


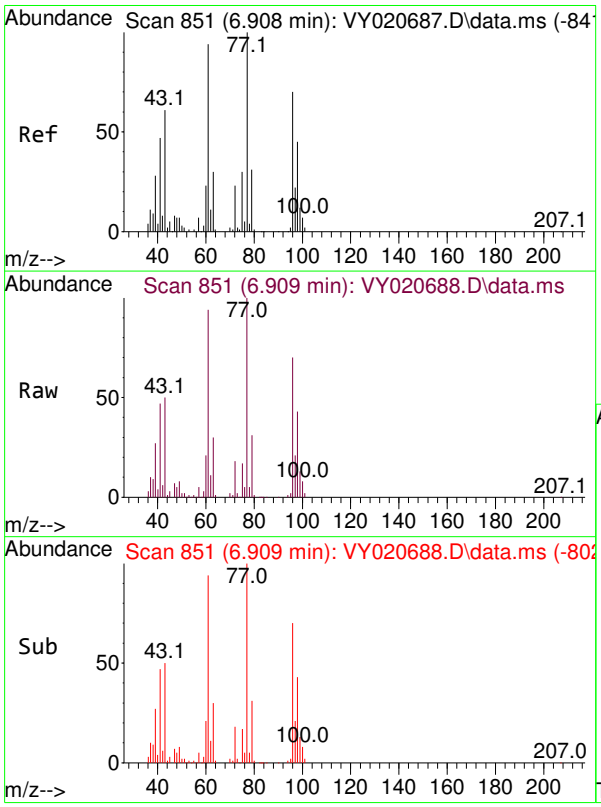


#24
1,1-Dichloroethane
Concen: 103.363 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 63 Resp: 141575

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.1
100	5.2	2.1	6.5



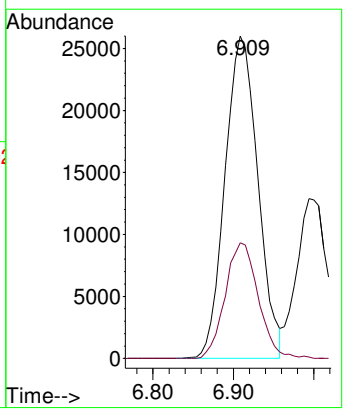


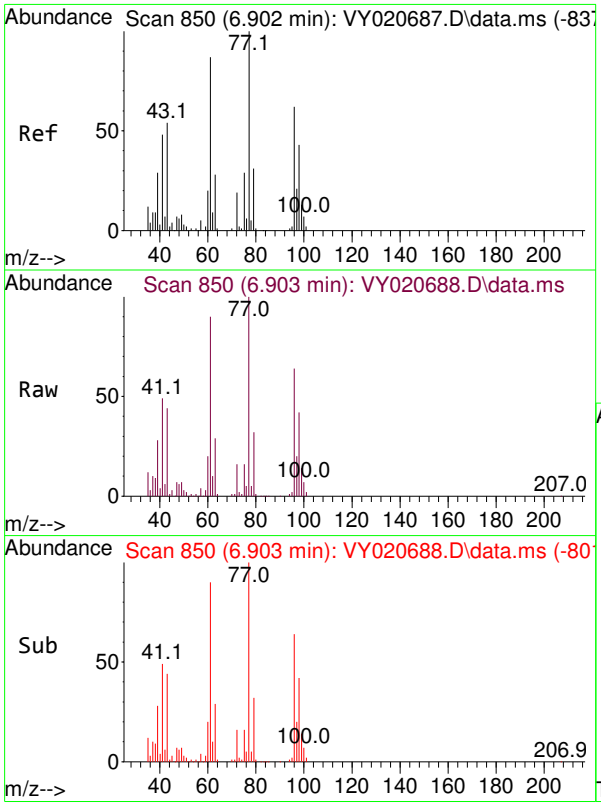
#25
2-Butanone
Concen: 452.043 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 73820

Ion	Ratio	Lower	Upper
43	100		
72	35.8	20.6	31.0#

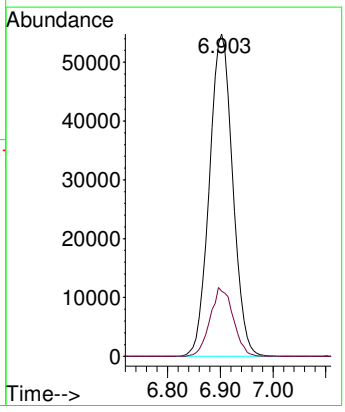


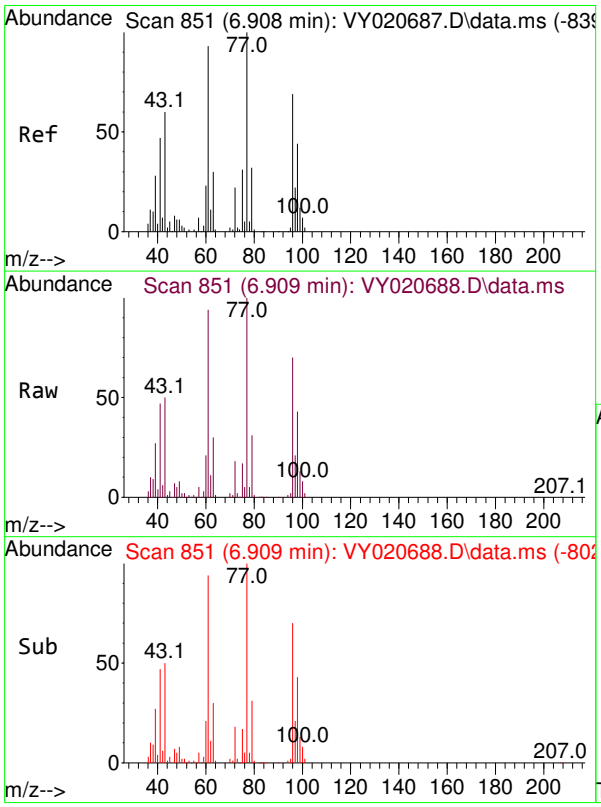


#26
2,2-Dichloropropane
Concen: 98.619 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 77 Resp: 168995

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6



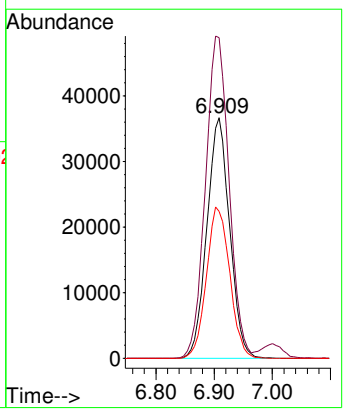


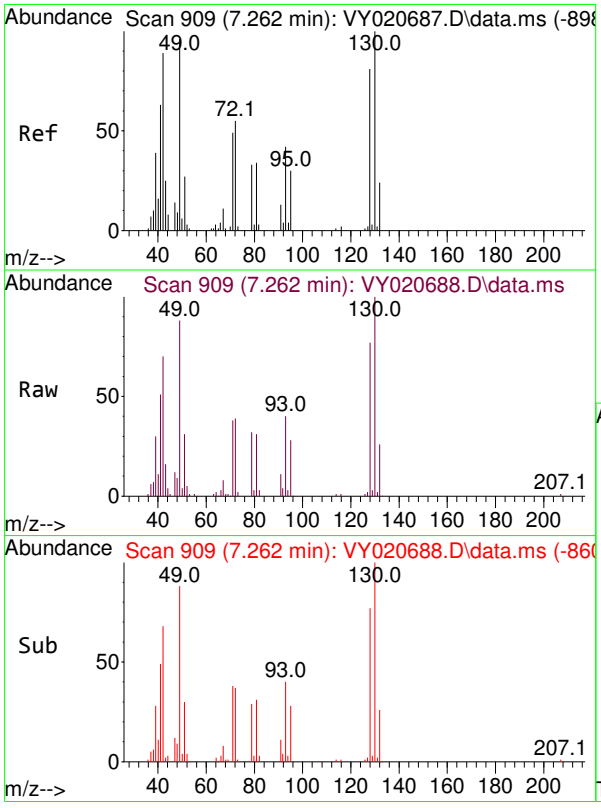
#27
cis-1,2-Dichloroethene
Concen: 101.147 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 99555

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	306.2
98	64.5	0.0	127.2

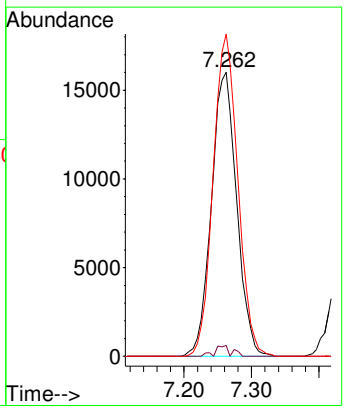


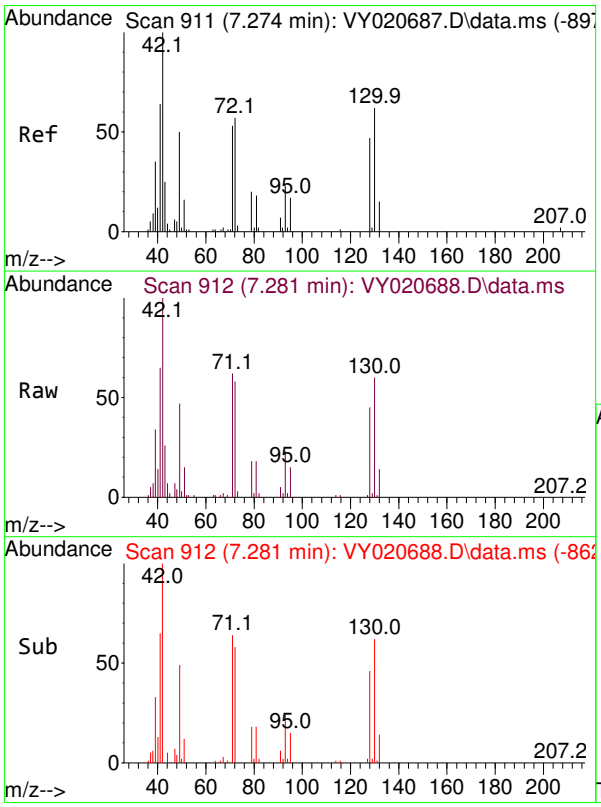


#28
Bromochloromethane
Concen: 98.532 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 49 Resp: 41610

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	111.2	58.3	87.5#



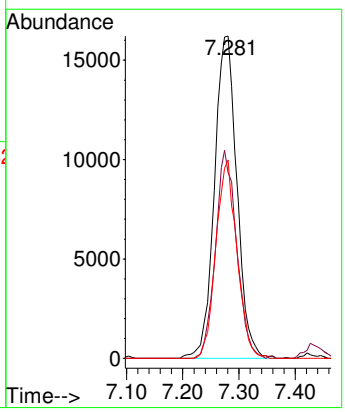


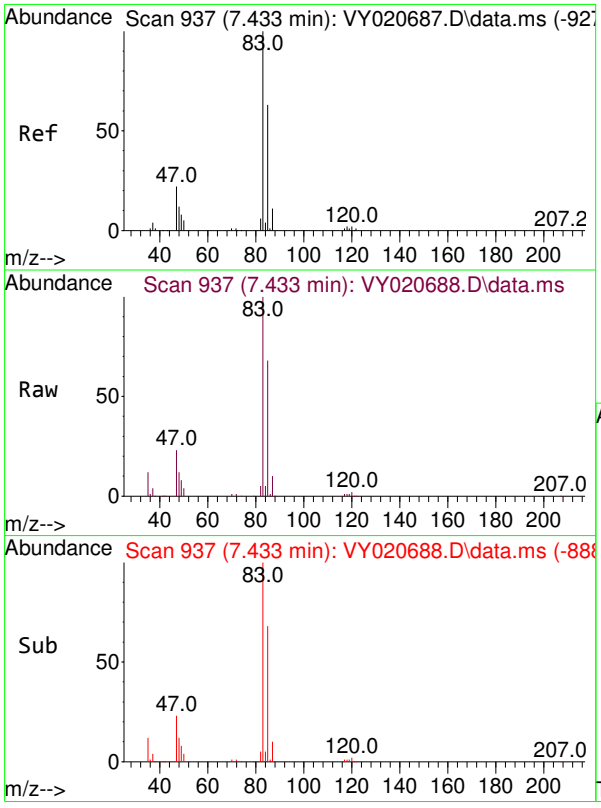
#29
Tetrahydrofuran
Concen: 469.198 ug/l
RT: 7.281 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 45035

Ion	Ratio	Lower	Upper
42	100		
72	60.5	34.0	51.0#
71	57.6	31.6	47.4#

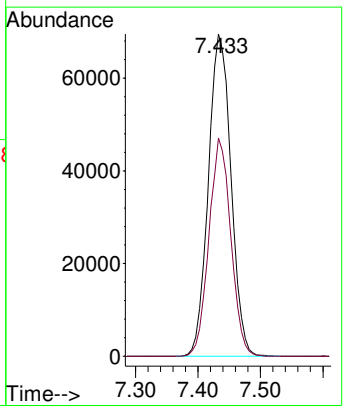


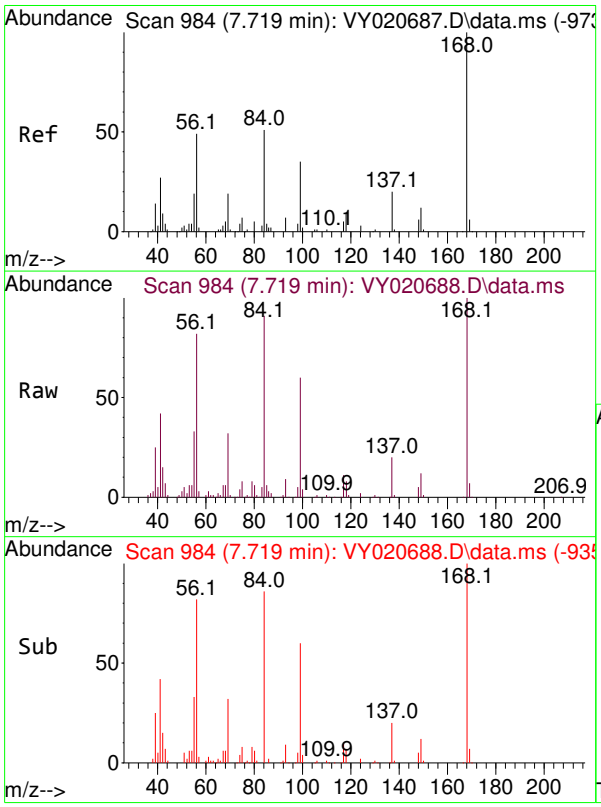


#30
Chloroform
Concen: 97.036 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 83 Resp: 174703

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.7	79.1



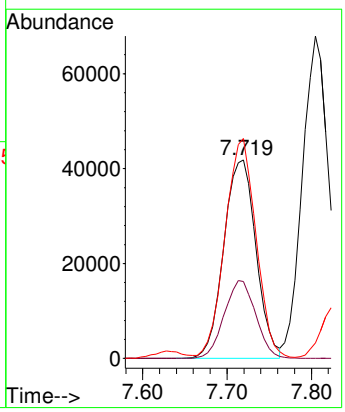


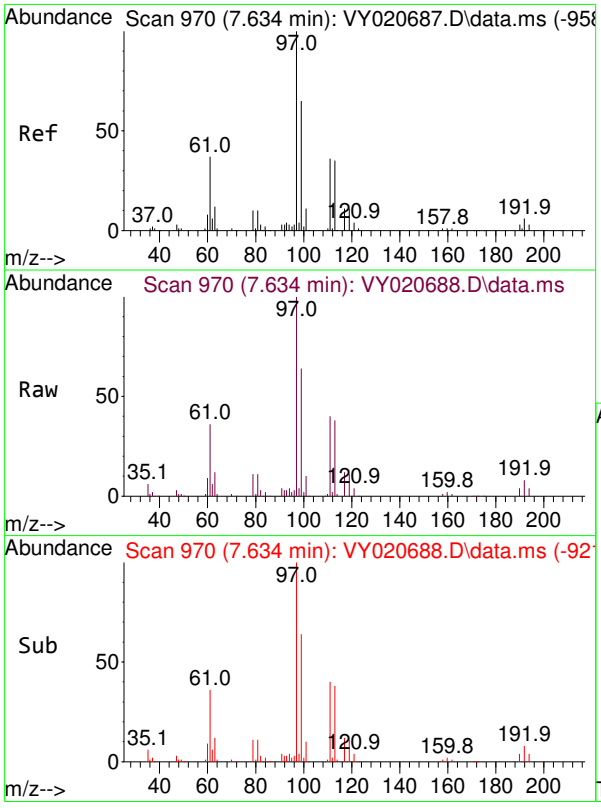
#31
Cyclohexane
Concen: 92.759 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 111397

Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.4	38.0#
84	107.5	68.3	102.5#

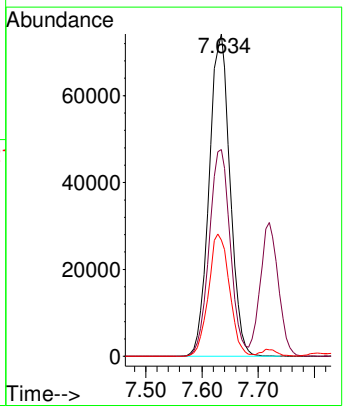


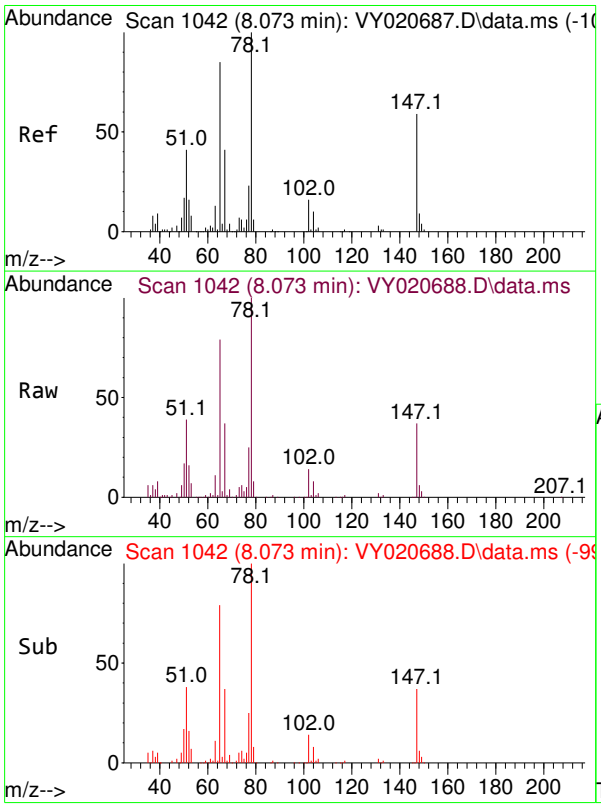


#32
1,1,1-Trichloroethane
Concen: 101.352 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 97 Resp: 190628

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	38.5	34.7	52.1



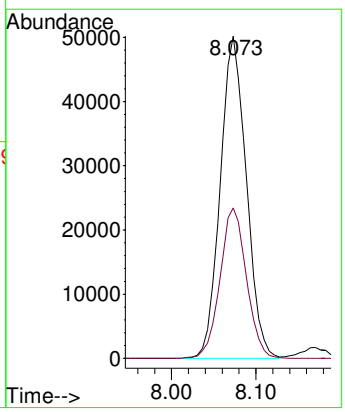


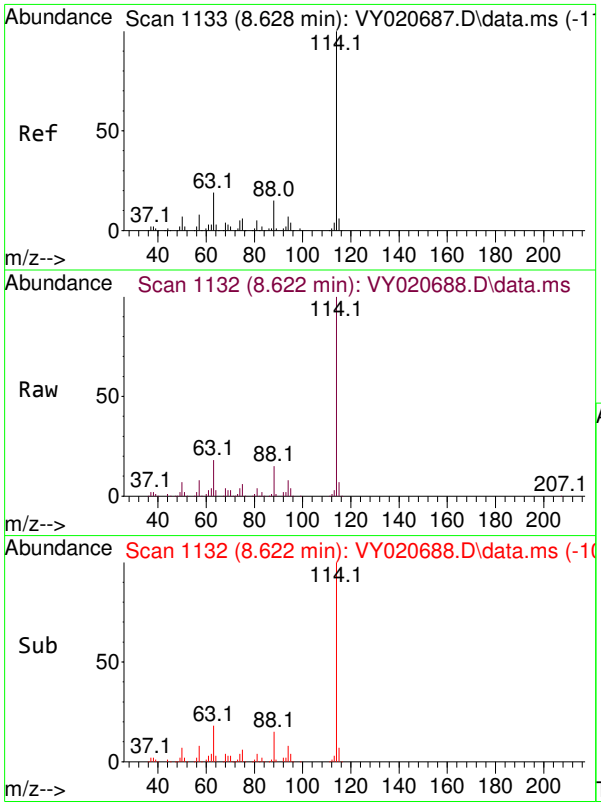
#33
1,2-Dichloroethane-d4
Concen: 105.993 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 107875

Ion	Ratio	Lower	Upper
65	100		
67	47.4	0.0	108.0

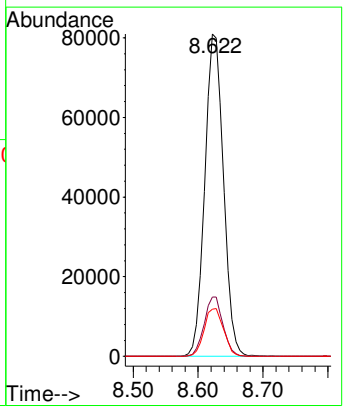


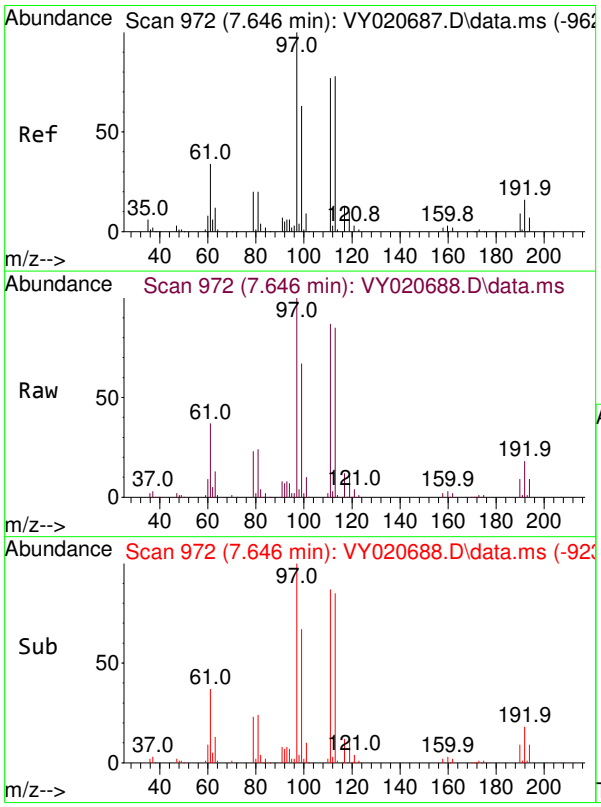


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:114 Resp: 161431

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	44.0
88	14.6	0.0	32.8



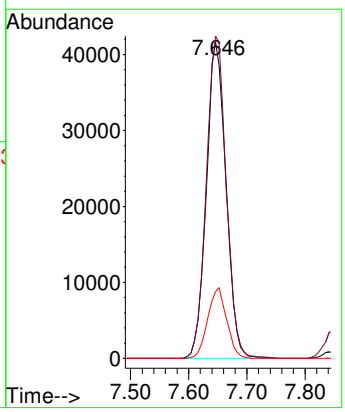


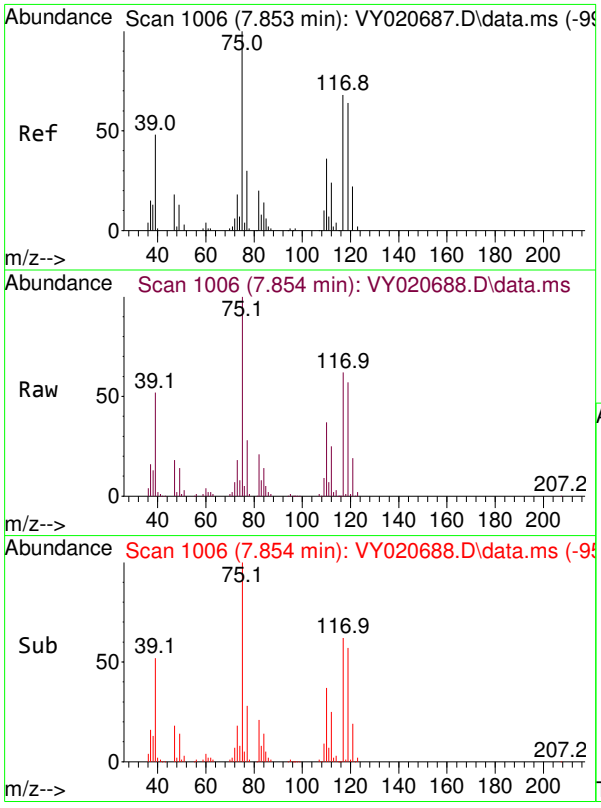
#35
Dibromofluoromethane
Concen: 103.302 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 97918

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	21.5	15.7	23.5

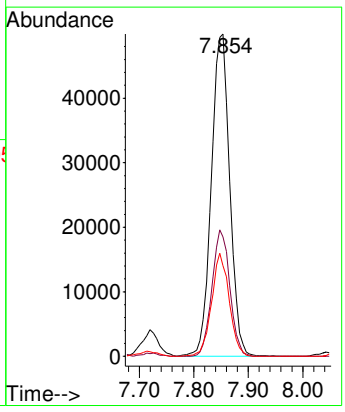


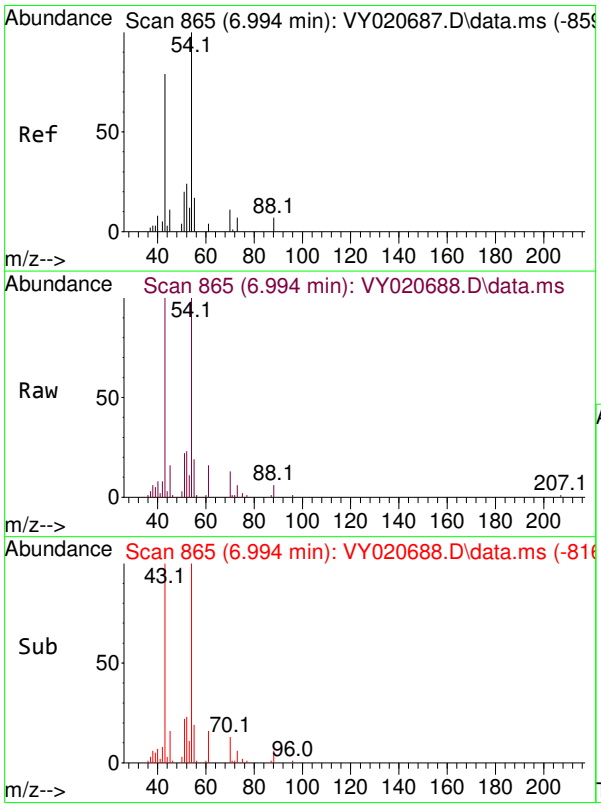


#36
1,1-Dichloropropene
Concen: 101.890 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 117395

Ion	Ratio	Lower	Upper
75	100		
110	38.1	16.8	50.4
77	30.7	25.0	37.6



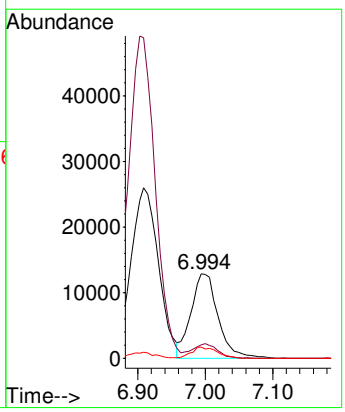


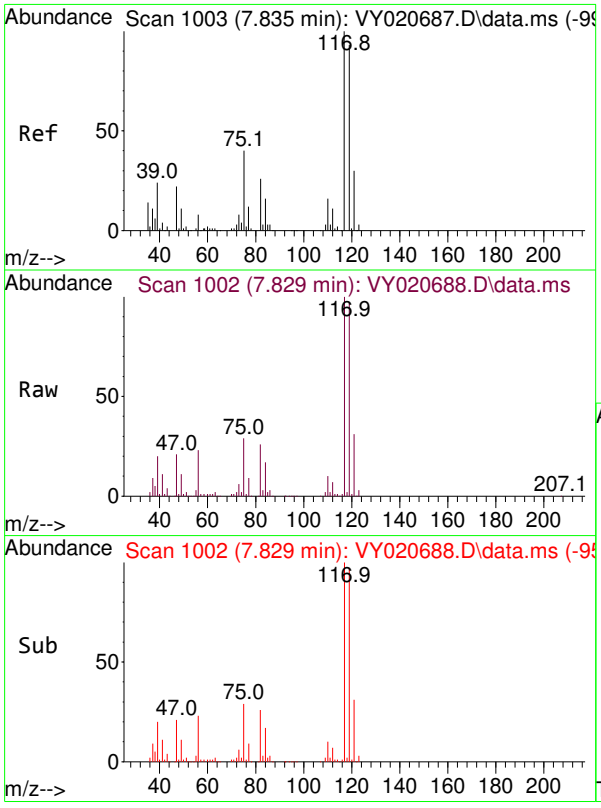
#37
Ethyl Acetate
Concen: 95.946 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 36128

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	12.9	7.9	11.9#

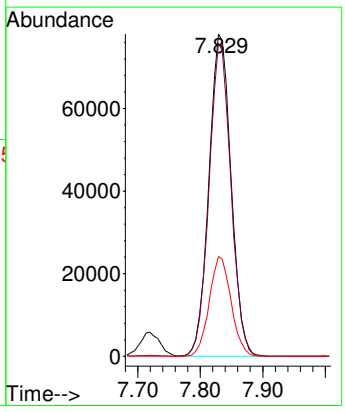


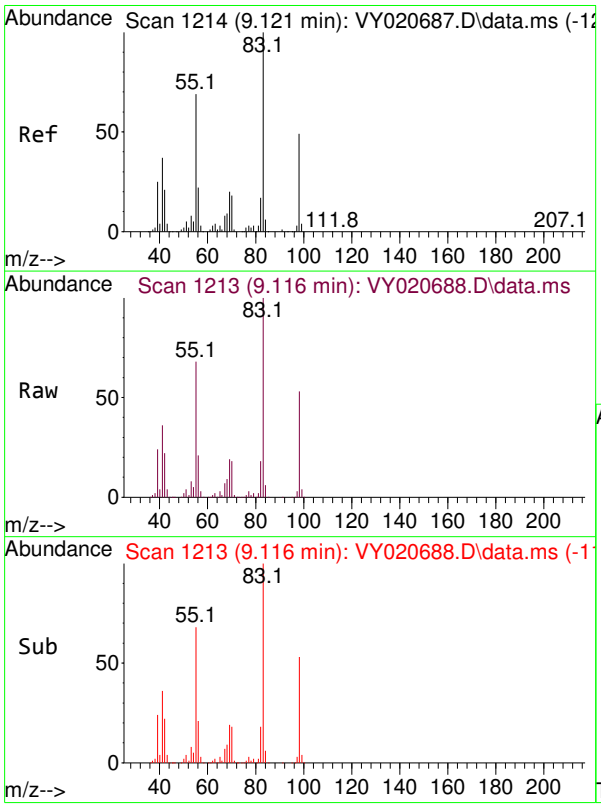


#38
Carbon Tetrachloride
Concen: 103.099 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:117 Resp: 192226

Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.3	117.5
121	31.0	25.1	37.7



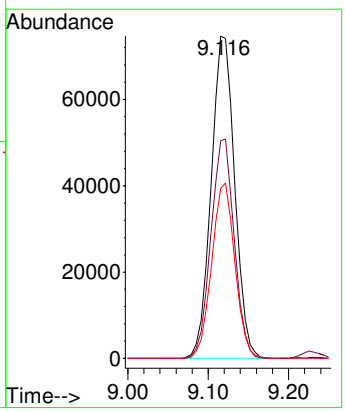


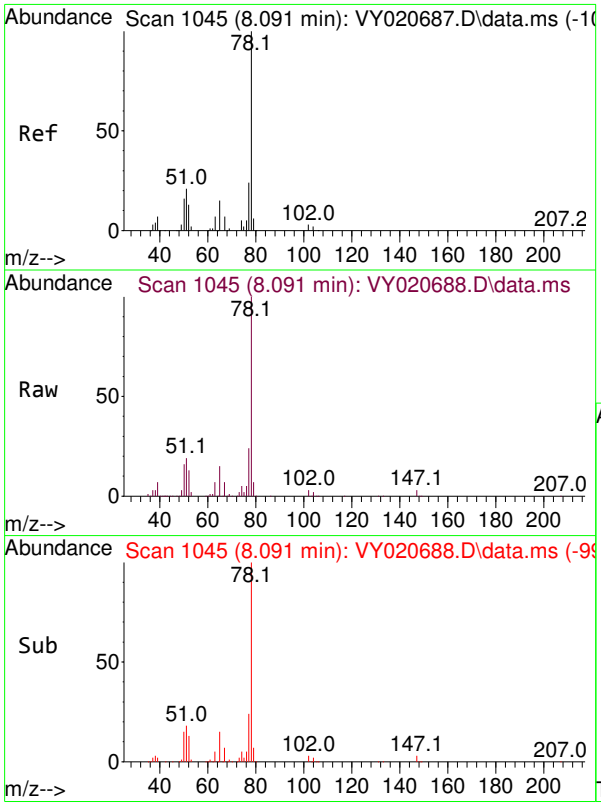
#39
Methylcyclohexane
Concen: 103.478 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 151542

Ion	Ratio	Lower	Upper
83	100		
55	67.5	61.4	92.0
98	52.7	37.3	55.9

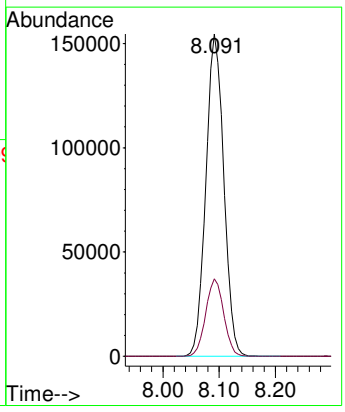


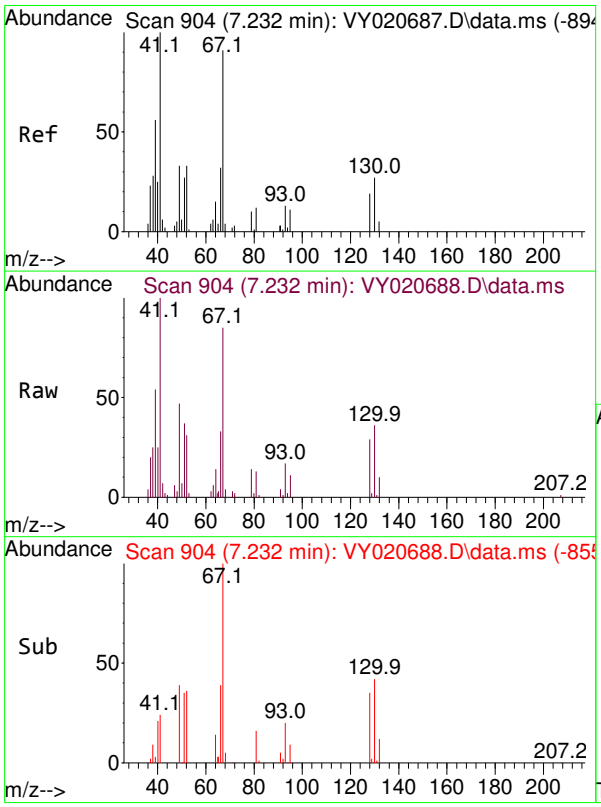


#40
Benzene
Concen: 102.685 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 78 Resp: 341310

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



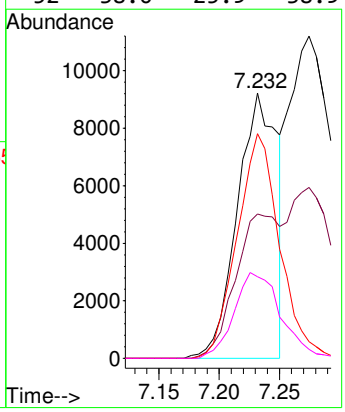


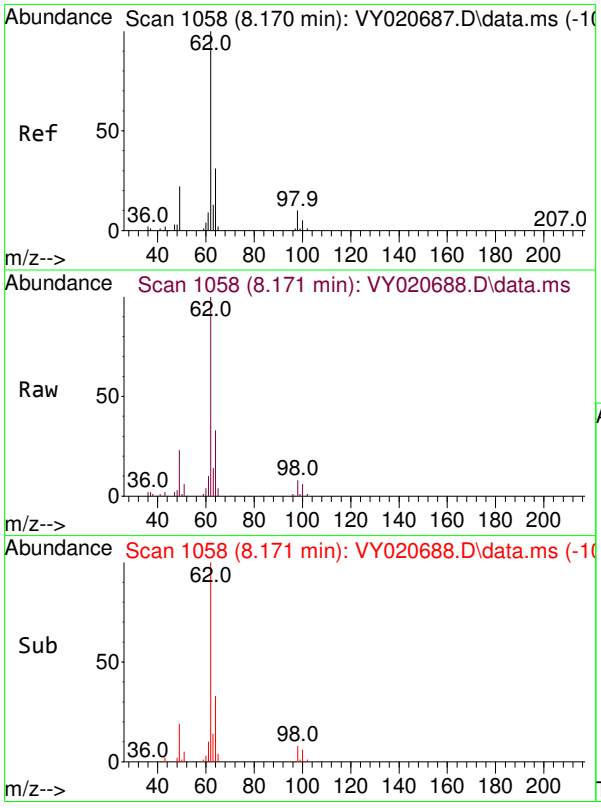
#41
Methacrylonitrile
Concen: 99.583 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 21222

Ion	Ratio	Lower	Upper
41	100		
39	59.3	53.6	80.4
67	89.9	62.0	93.0
52	38.0	25.9	38.9

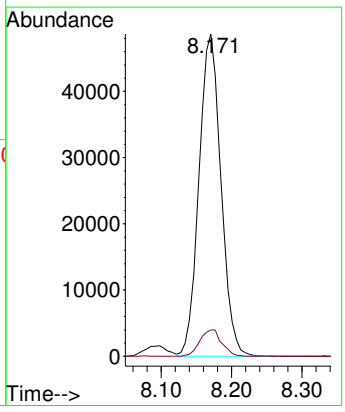


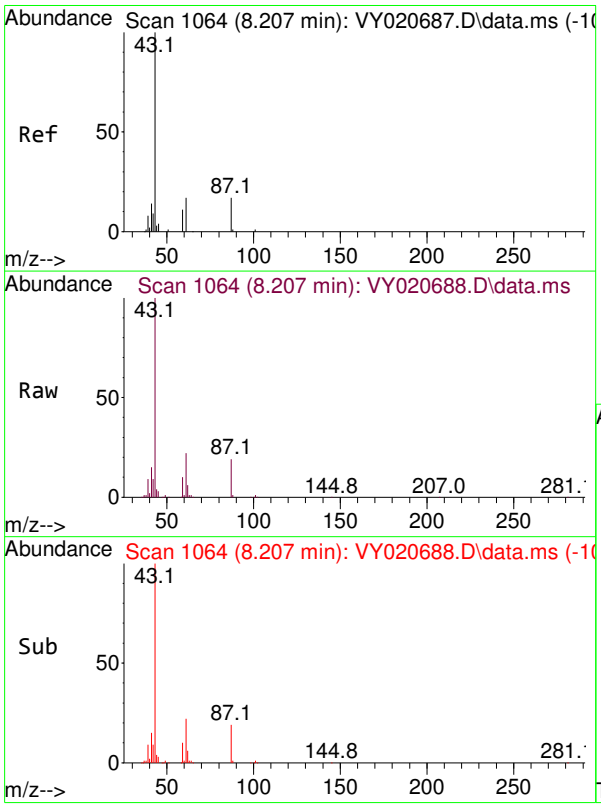


#42
1,2-Dichloroethane
Concen: 99.903 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 62 Resp: 105608

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.0



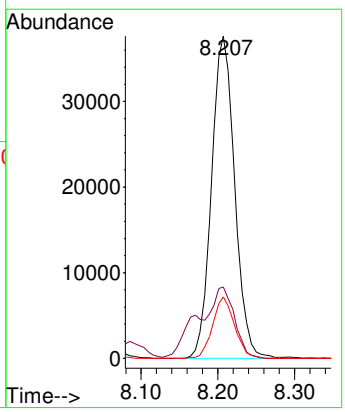


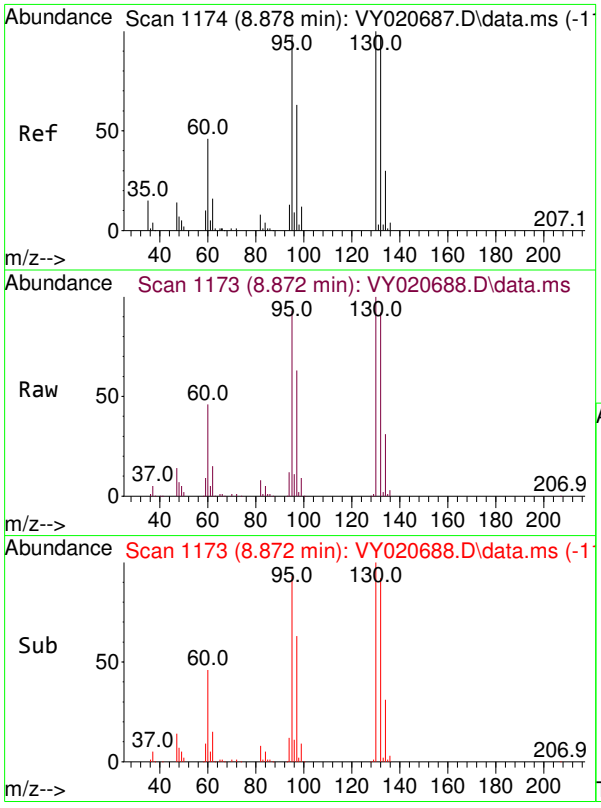
#43
Isopropyl Acetate
Concen: 100.794 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 78883

Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.8	35.6#
87	18.1	10.2	15.4#

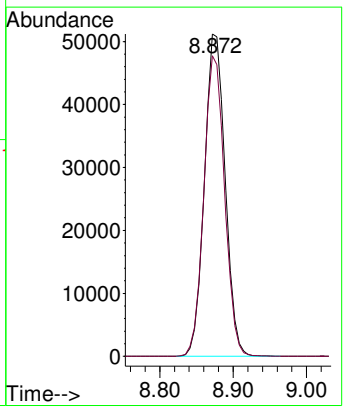


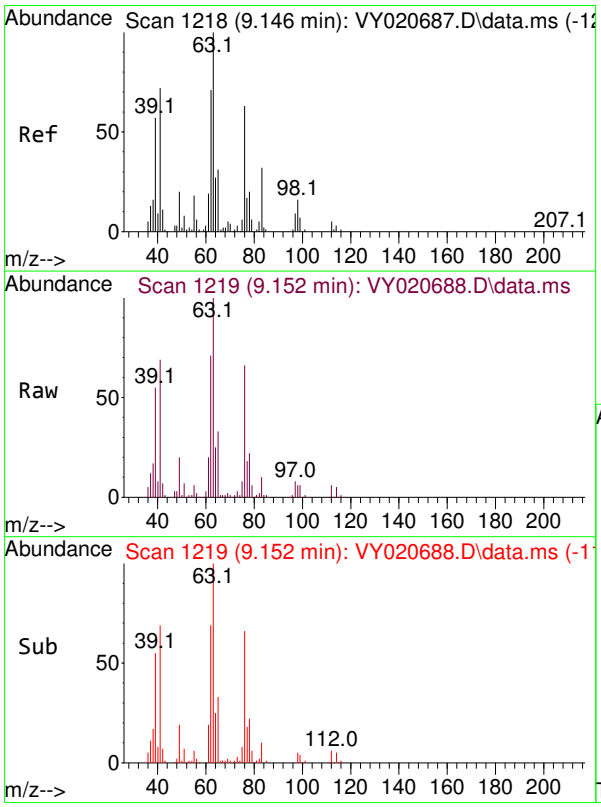


#44
Trichloroethene
Concen: 101.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:130 Resp: 100237

Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	203.2



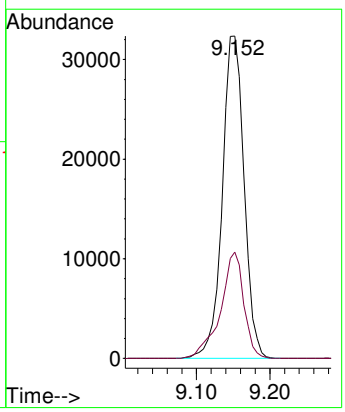


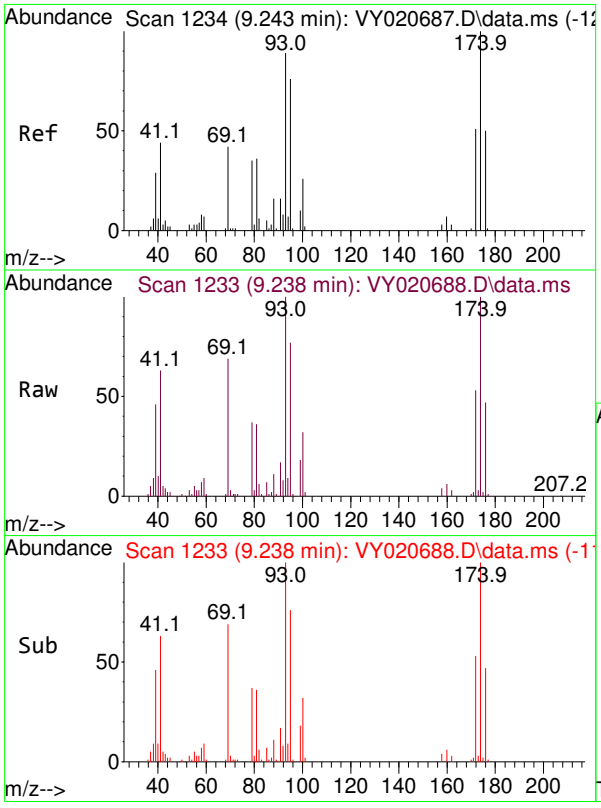
#45
1,2-Dichloropropane
Concen: 101.903 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 66549

Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.9	38.9

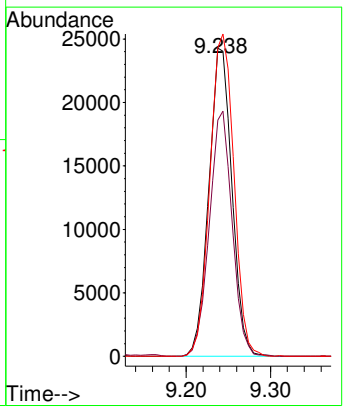


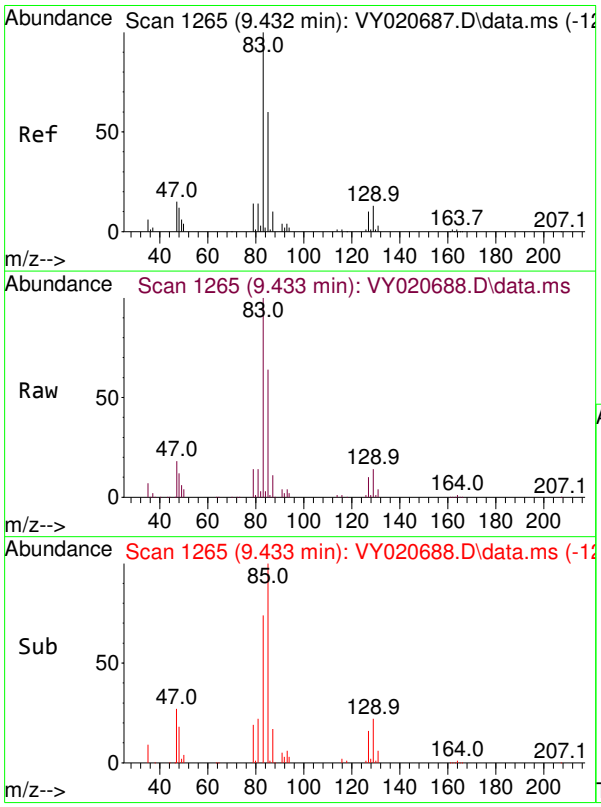


#46
Dibromomethane
Concen: 102.813 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 93 Resp: 46353

Ion	Ratio	Lower	Upper
93	100		
95	78.5	66.7	100.1
174	108.6	77.8	116.6



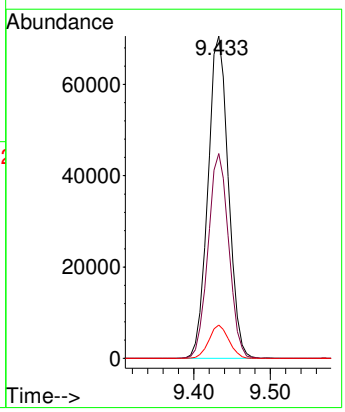


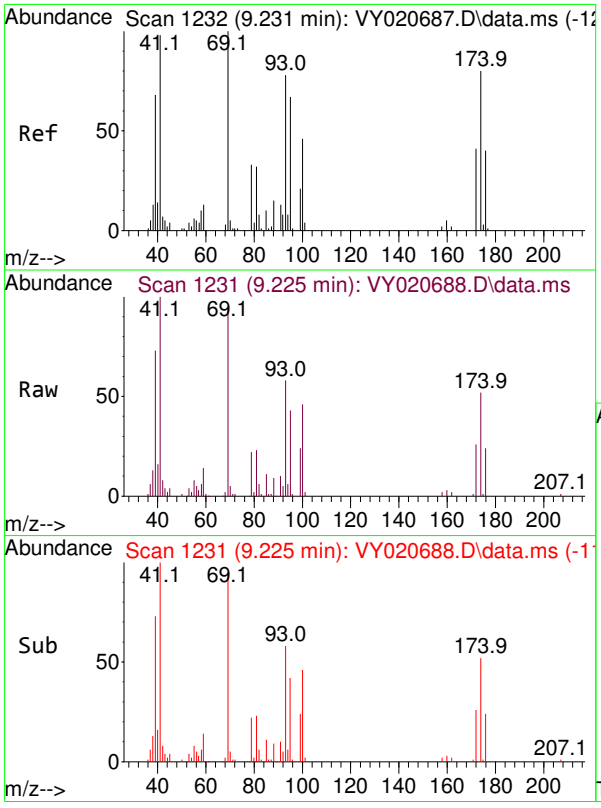
#47
Bromodichloromethane
Concen: 102.003 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 130454

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1
127	10.3	6.7	10.1#

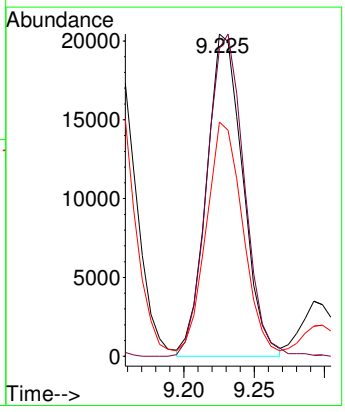


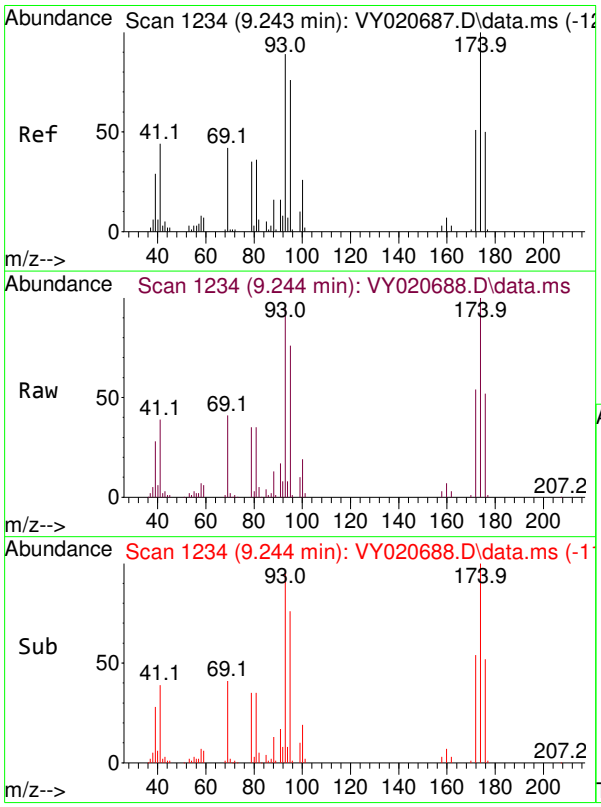


#48
Methyl methacrylate
Concen: 98.826 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 41 Resp: 36664

Ion	Ratio	Lower	Upper
41	100		
69	102.6	67.2	100.8#
39	70.5	42.2	63.4#



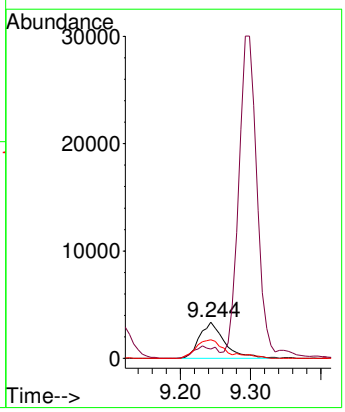


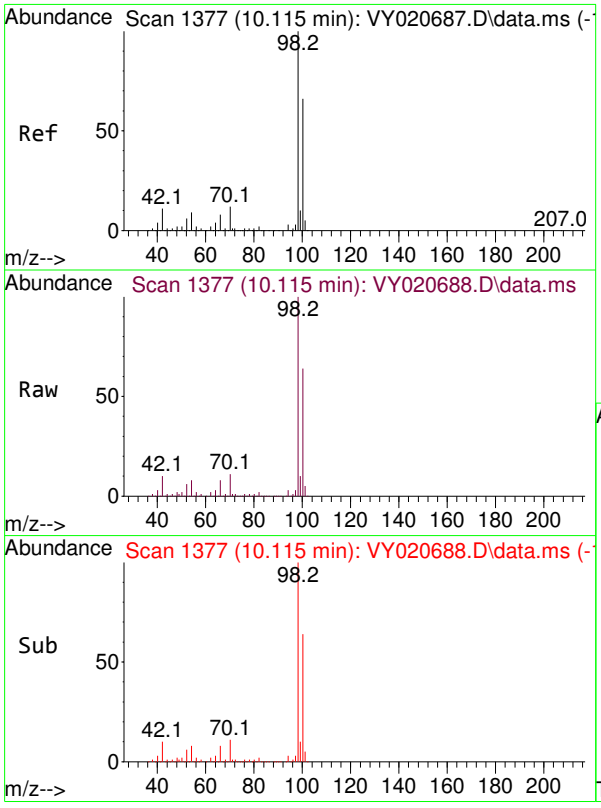
#49
1,4-Dioxane
Concen: 1770.697 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 8370

Ion	Ratio	Lower	Upper
88	100		
43	29.8	27.6	41.4
58	62.2	61.7	92.5

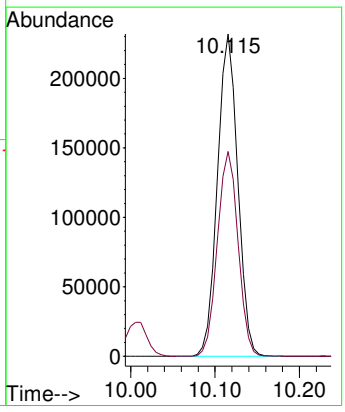


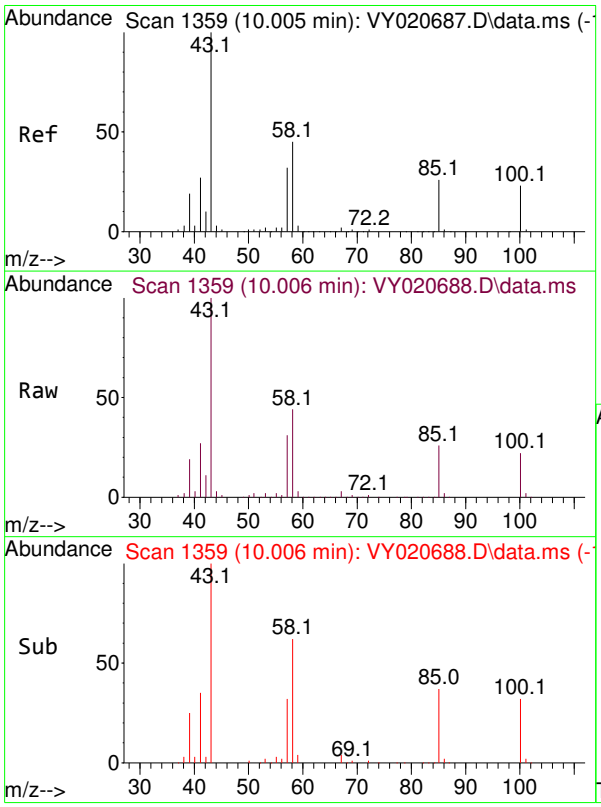


#50
Toluene-d8
Concen: 113.343 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 98 Resp: 390215

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



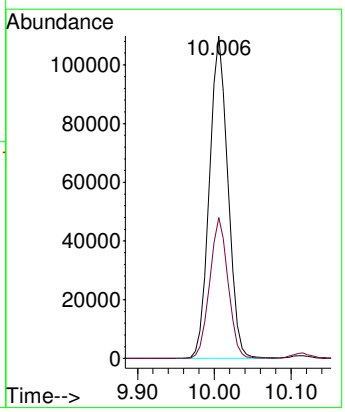


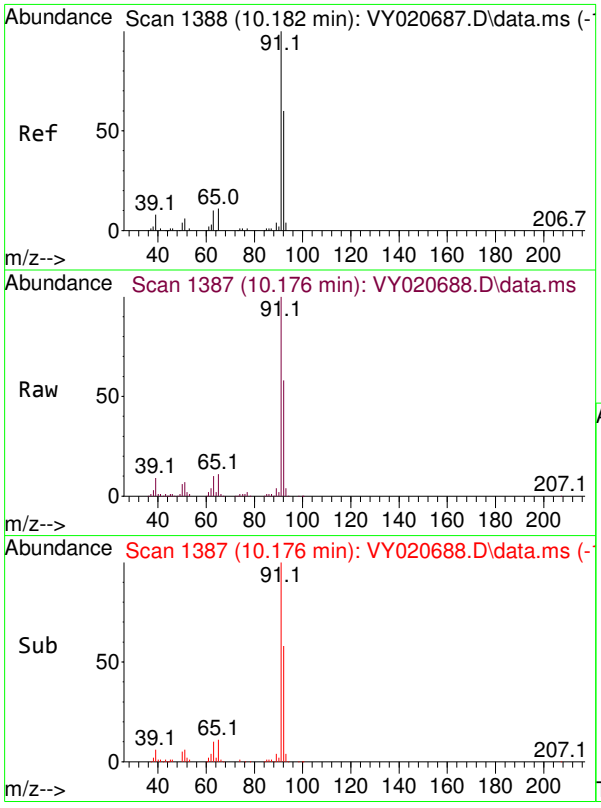
#51
4-Methyl-2-Pentanone
Concen: 471.139 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 184189

Ion	Ratio	Lower	Upper
43	100		
58	43.2	31.4	47.2

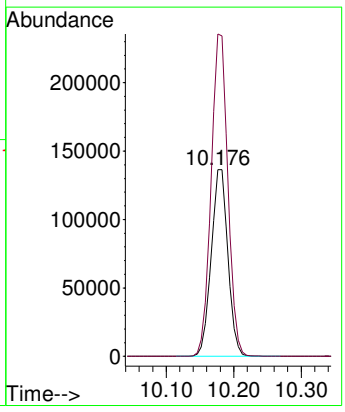


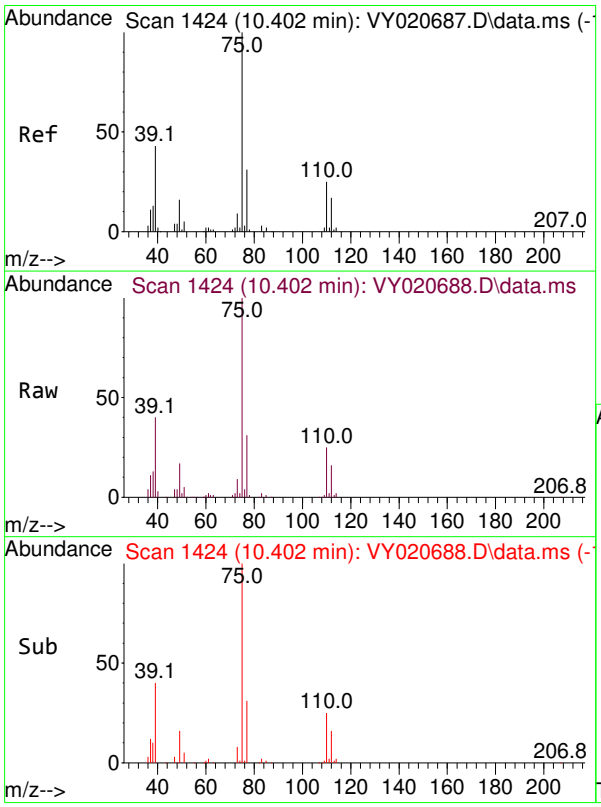


#52
Toluene
Concen: 103.116 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 92 Resp: 233399

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.0



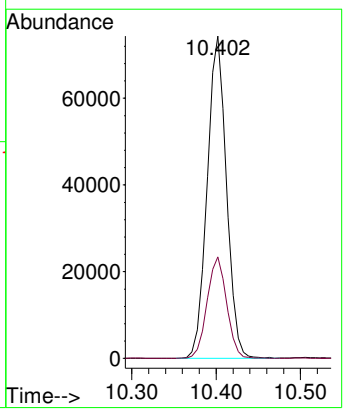


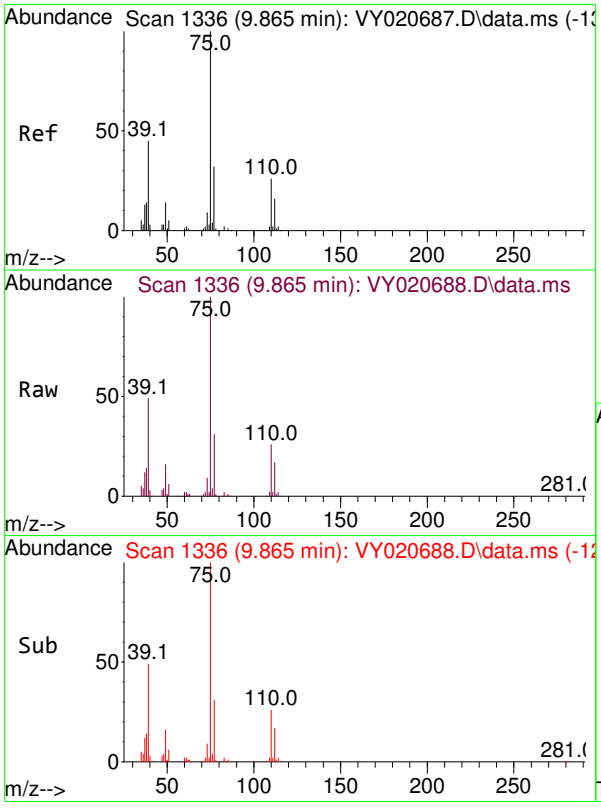
#53
t-1,3-Dichloropropene
Concen: 104.556 ug/l
RT: 10.402 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 118321

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

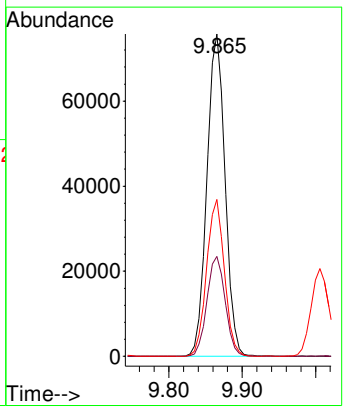


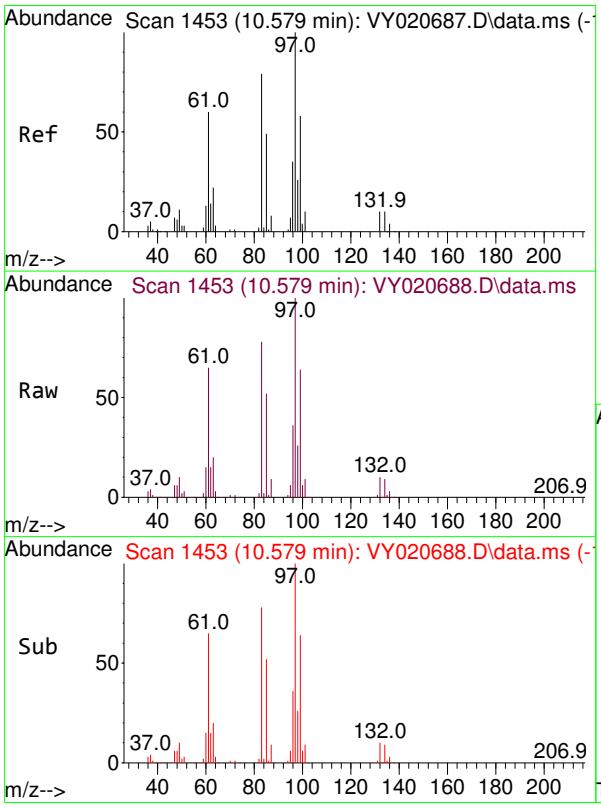


#54
cis-1,3-Dichloropropene
Concen: 103.980 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 129658

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	48.7	36.4	54.6



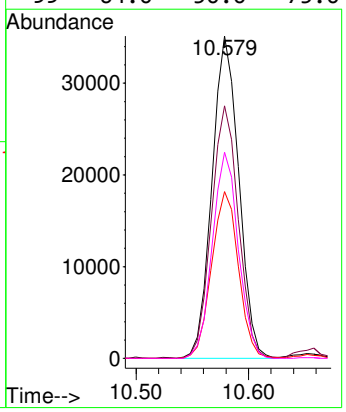


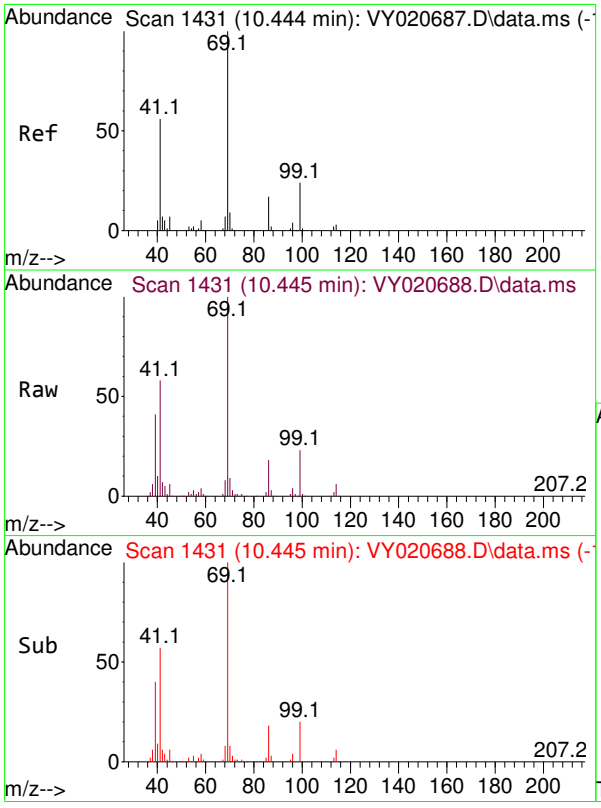
#55
1,1,2-Trichloroethane
Concen: 99.500 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 58085

Ion	Ratio	Lower	Upper
97	100		
83	78.4	70.4	105.6
85	51.7	47.2	70.8
99	64.0	50.0	75.0

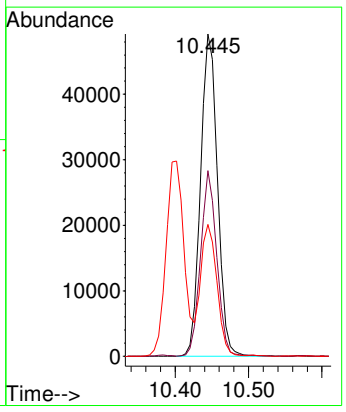


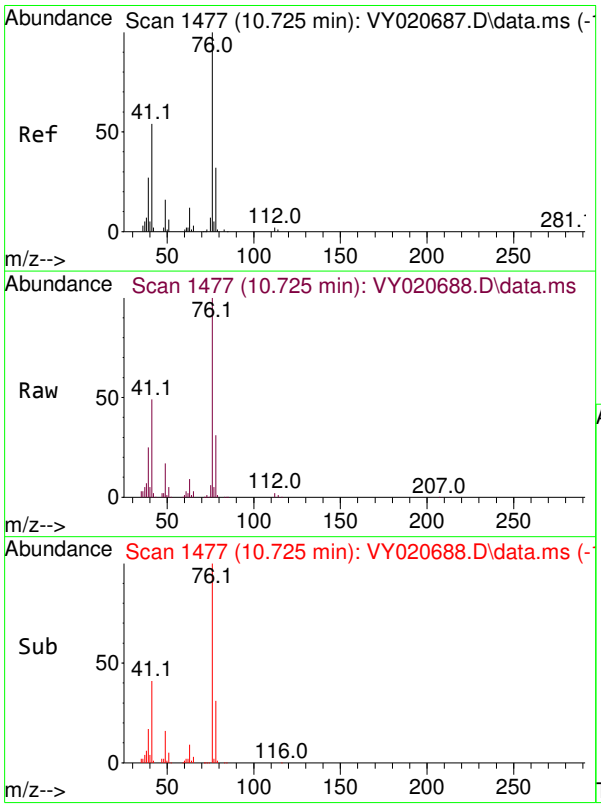


#56
Ethyl methacrylate
Concen: 105.543 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 69 Resp: 78593

Ion	Ratio	Lower	Upper
69	100		
41	55.4	54.0	81.0
39	38.6	27.9	41.9



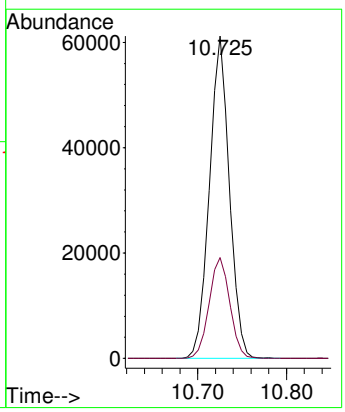


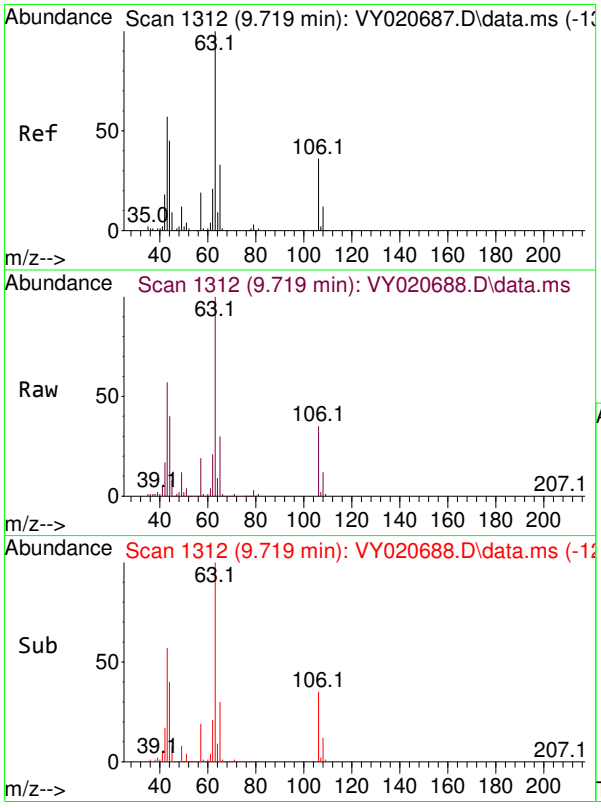
#57
1,3-Dichloropropane
Concen: 100.174 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 95590

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

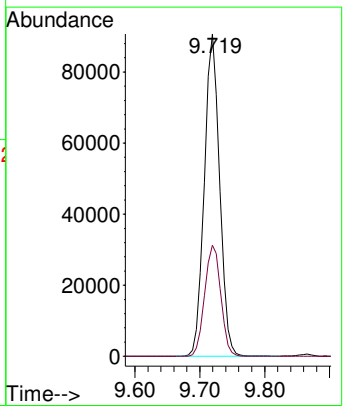


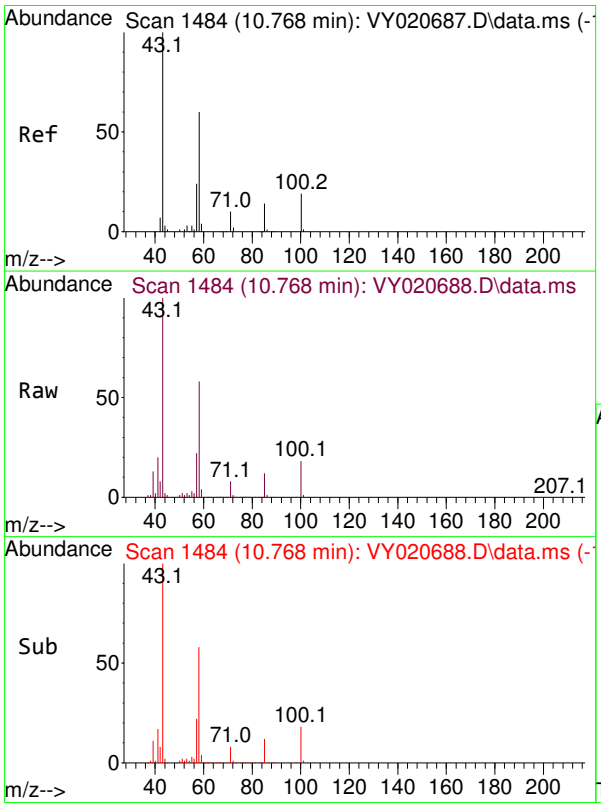


#58
2-Chloroethyl Vinyl ether
Concen: 533.514 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 63 Resp: 148461

Ion	Ratio	Lower	Upper
63	100		
106	36.2	21.5	32.3#



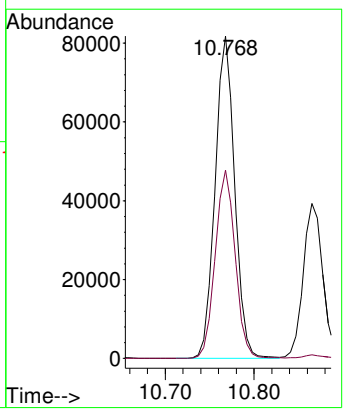


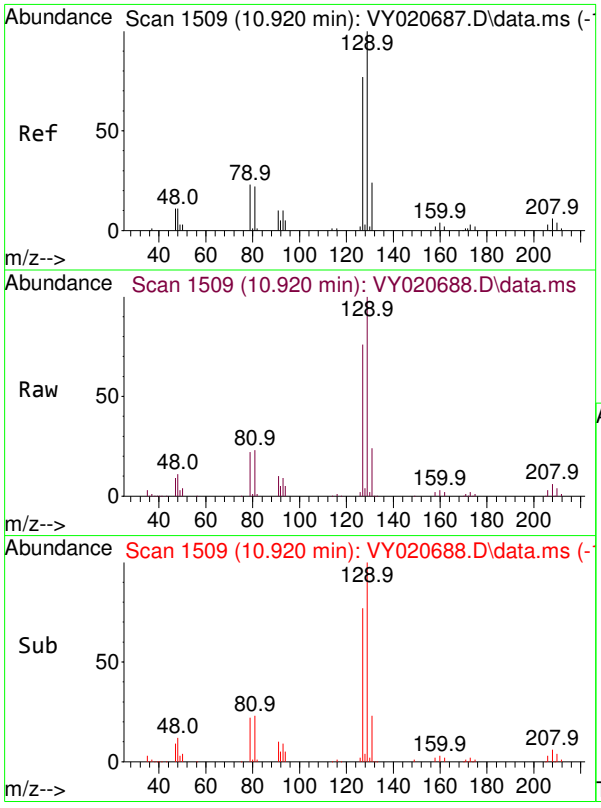
#59
2-Hexanone
Concen: 506.636 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 126162

Ion	Ratio	Lower	Upper
43	100		
58	59.6	27.2	81.6

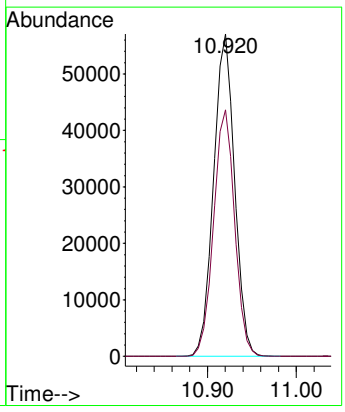


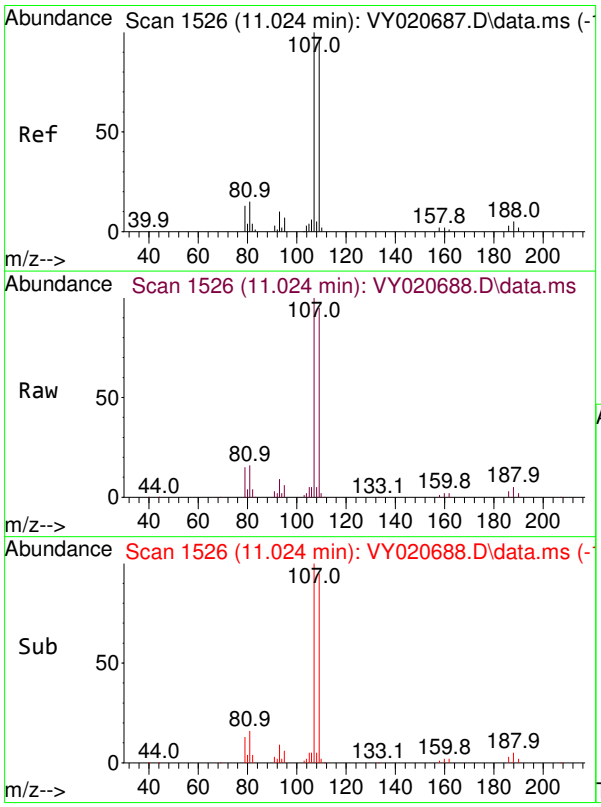


#60
Dibromochloromethane
Concen: 101.284 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:129 Resp: 94400

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.3



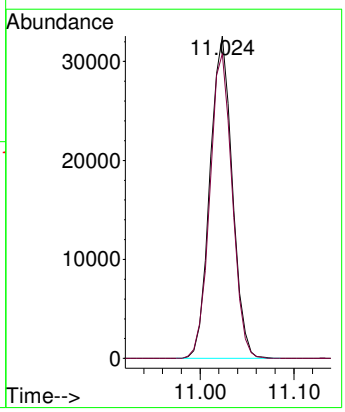


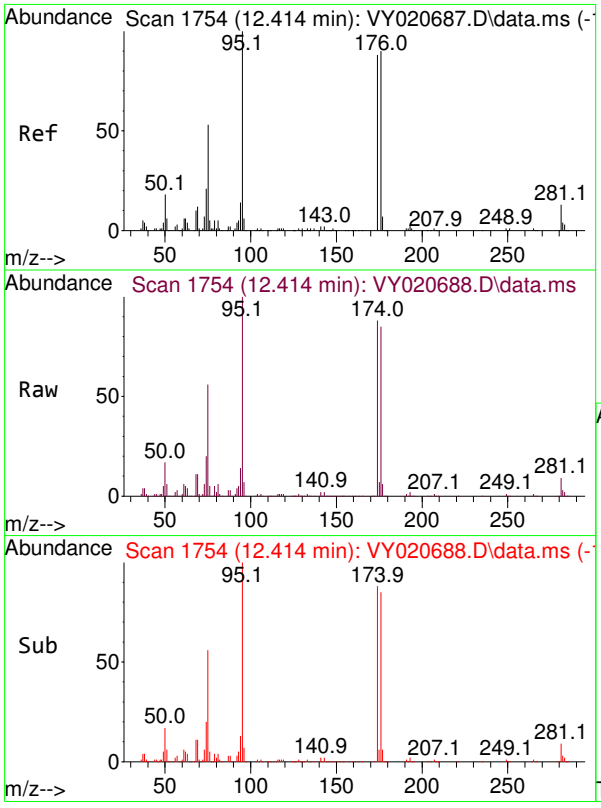
#61
1,2-Dibromoethane
Concen: 98.200 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 53742

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

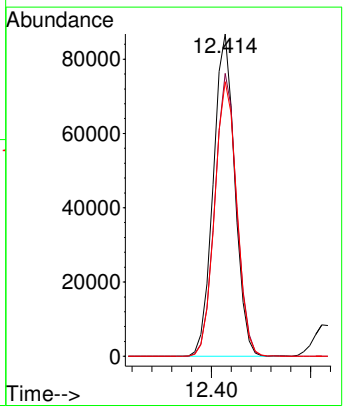


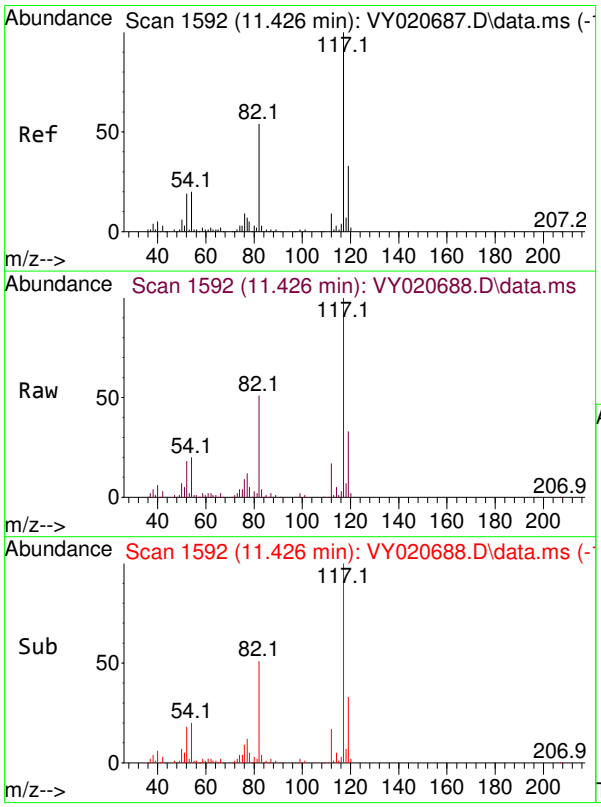


#62
4-Bromofluorobenzene
Concen: 105.052 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 95 Resp: 131639

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	161.8
176	87.5	0.0	156.6



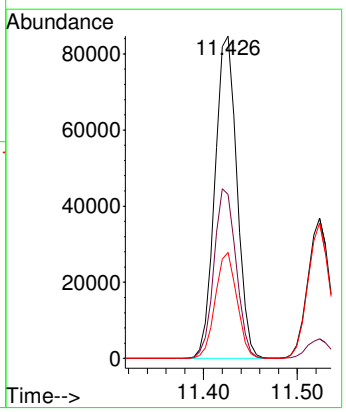


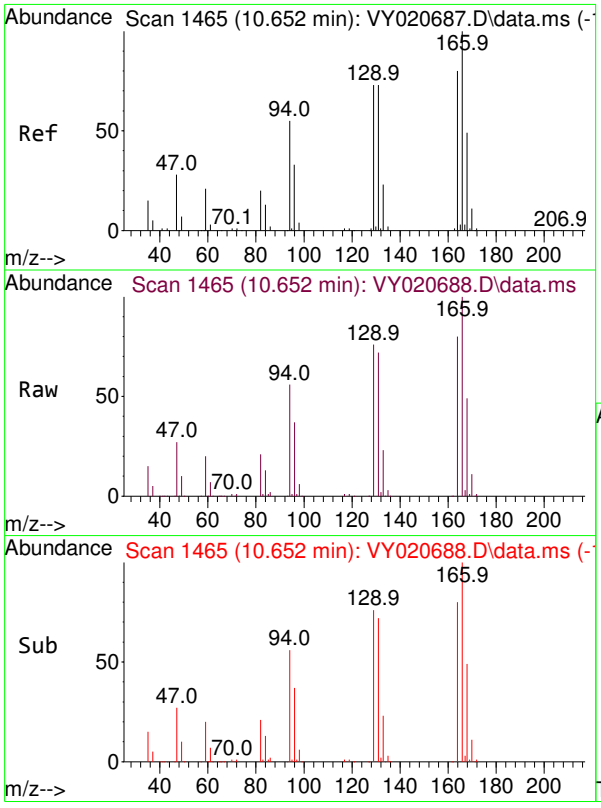
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 137595

Ion	Ratio	Lower	Upper
117	100		
82	50.8	45.8	68.6
119	32.8	25.3	37.9

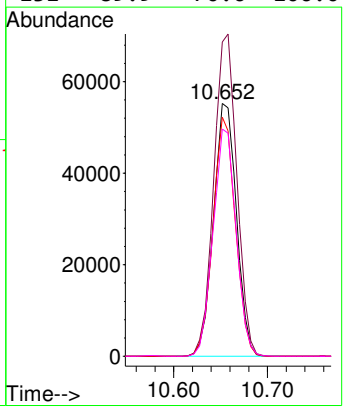


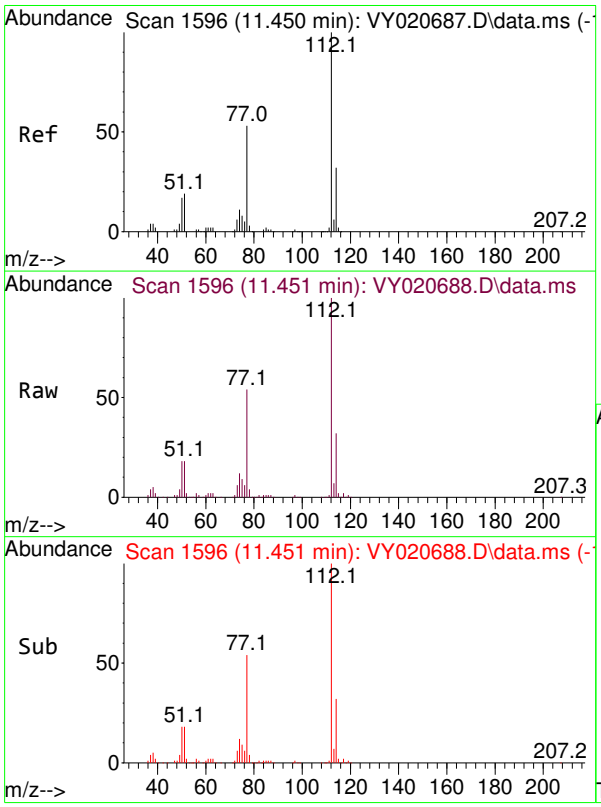


#64
Tetrachloroethene
Concen: 102.542 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:164 Resp: 93704

Ion	Ratio	Lower	Upper
164	100		
166	124.3	97.9	146.9
129	94.6	73.4	110.0
131	89.9	70.6	106.0



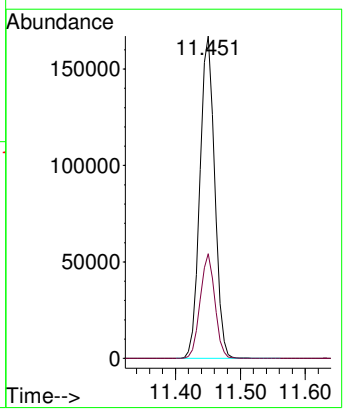


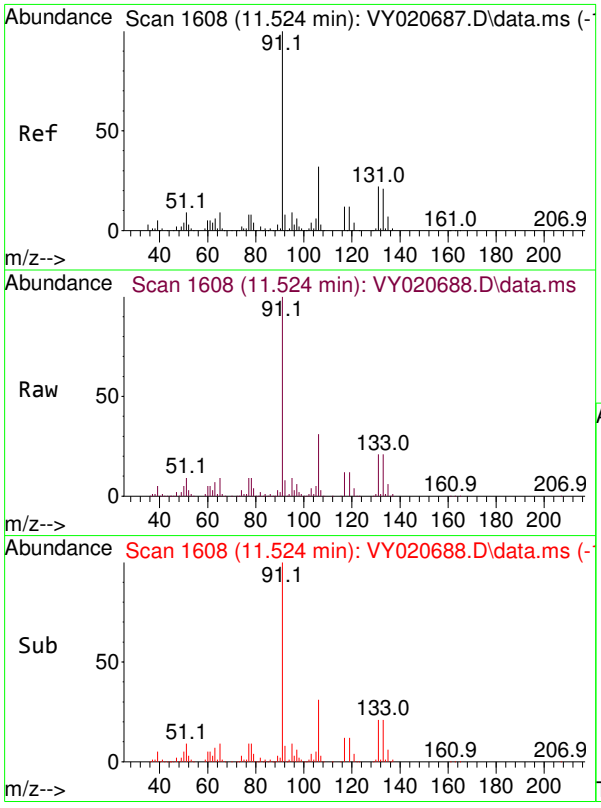
#65
Chlorobenzene
Concen: 102.339 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 263137

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

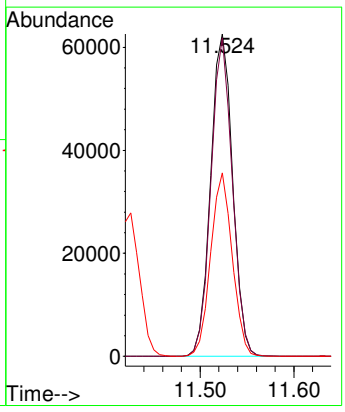


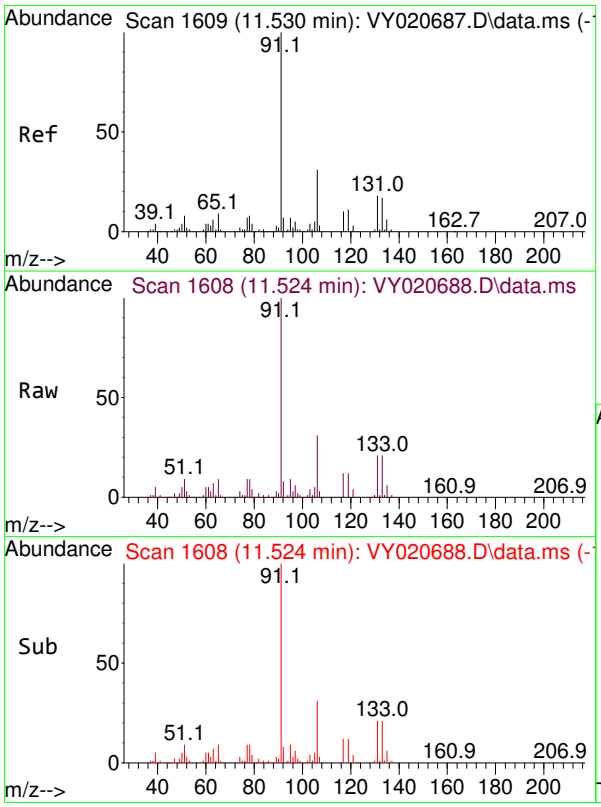


#66
1,1,1,2-Tetrachloroethane
Concen: 101.181 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:131 Resp: 101593

Ion	Ratio	Lower	Upper
131	100		
133	96.0	46.8	140.3
119	55.9	31.8	95.3



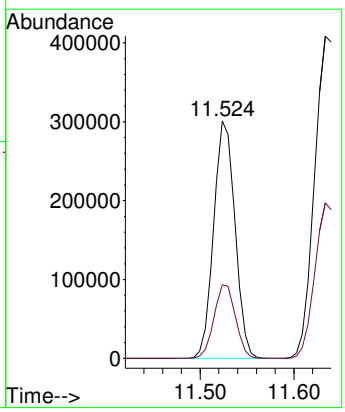


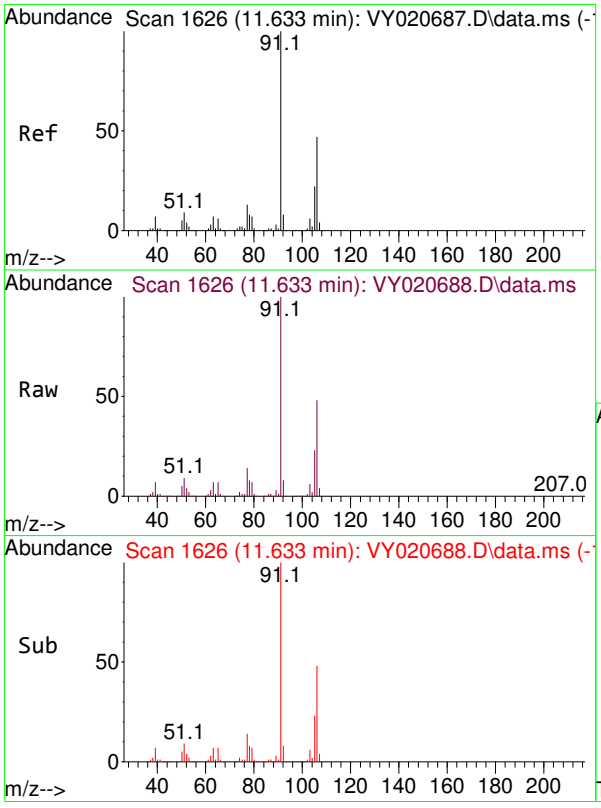
#67
Ethyl Benzene
Concen: 102.747 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 473982

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.9	35.9

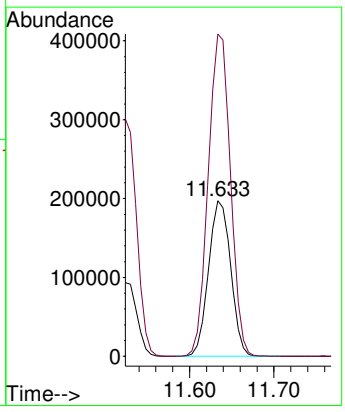


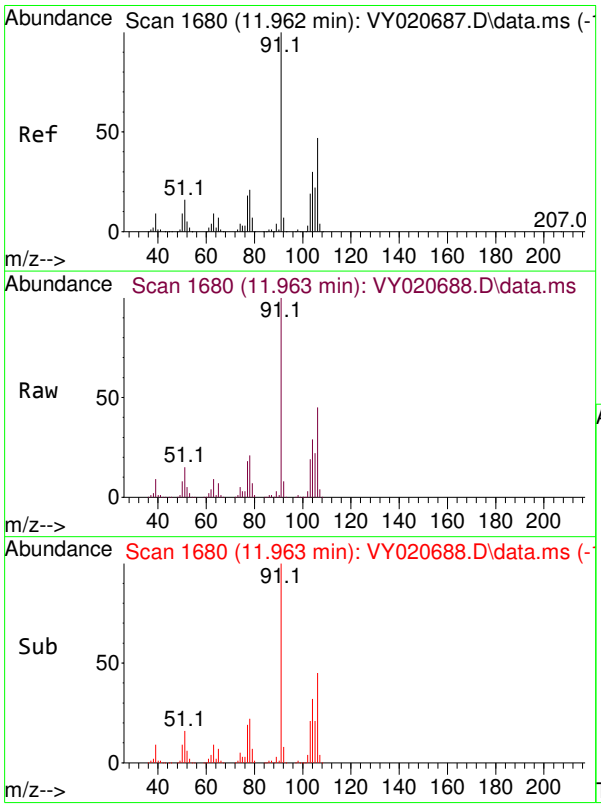


#68
m/p-Xylenes
Concen: 205.313 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:106 Resp: 361168

Ion	Ratio	Lower	Upper
106	100		
91	207.6	165.0	247.4



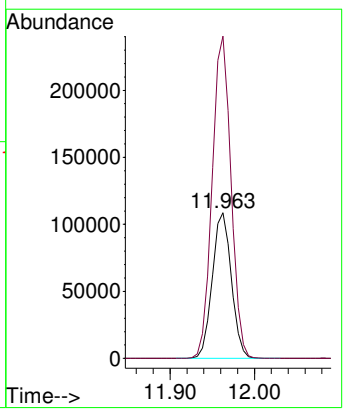


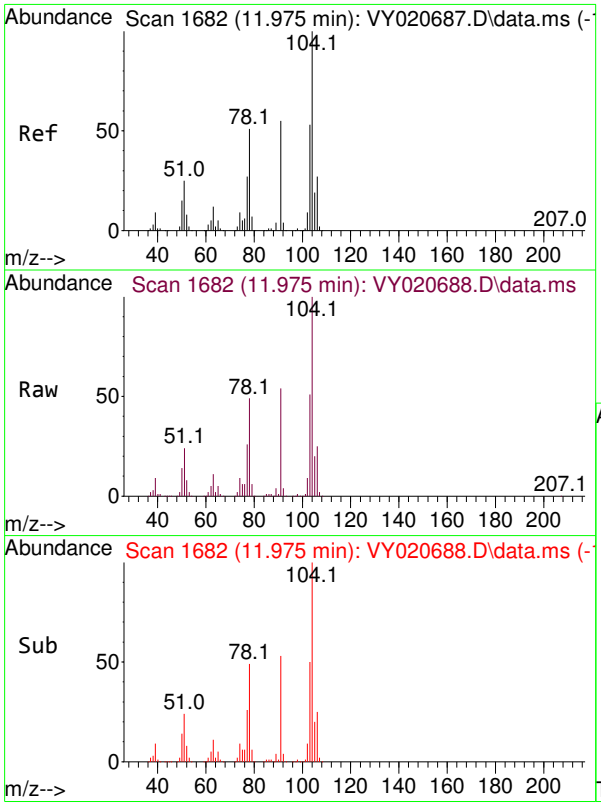
#69
o-Xylene
Concen: 103.449 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 170942

Ion	Ratio	Lower	Upper
106	100		
91	218.8	108.4	325.2

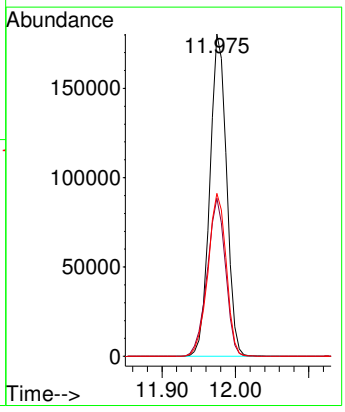


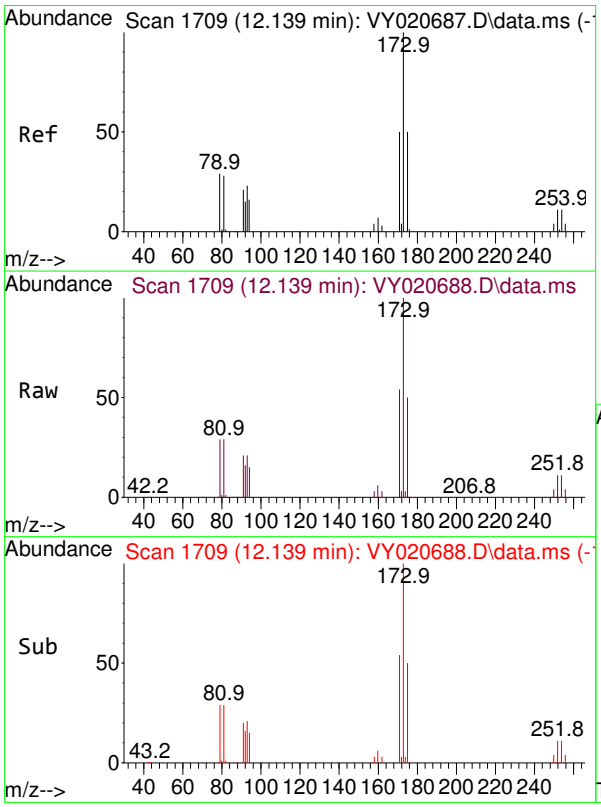


#70
Styrene
Concen: 102.918 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:104 Resp: 286046

Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.6	62.4
103	55.1	43.7	65.5



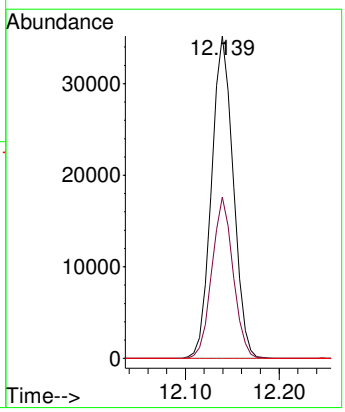


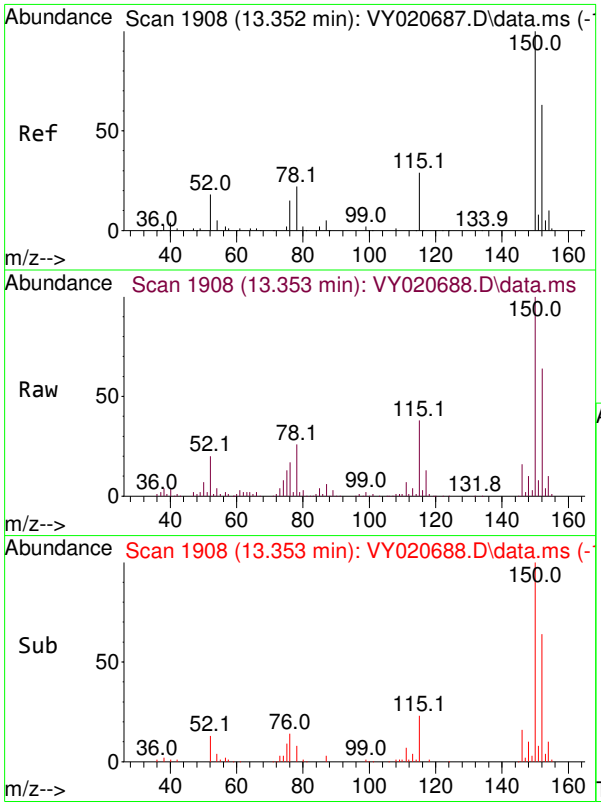
#71
Bromoform
Concen: 98.450 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 56620

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

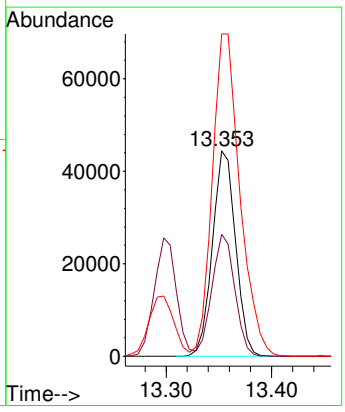


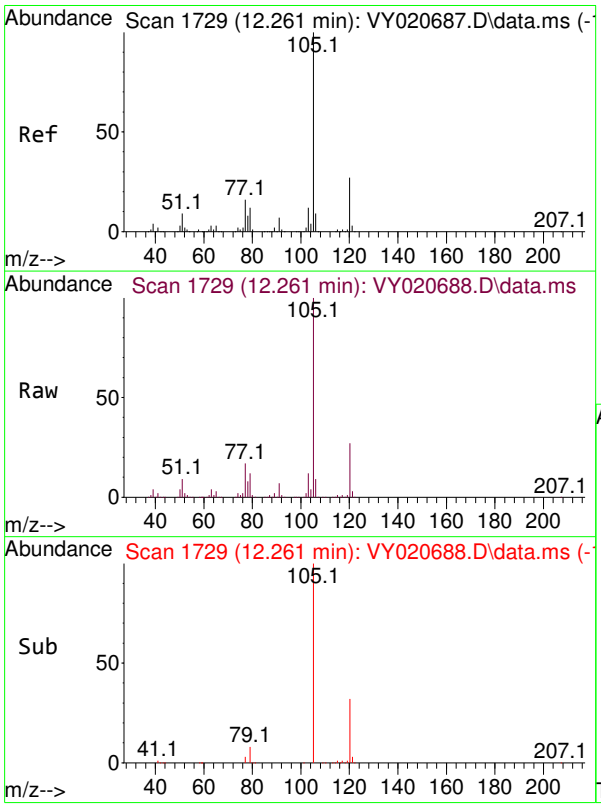


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:152 Resp: 68148

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.2	90.6
150	186.8	0.0	355.4



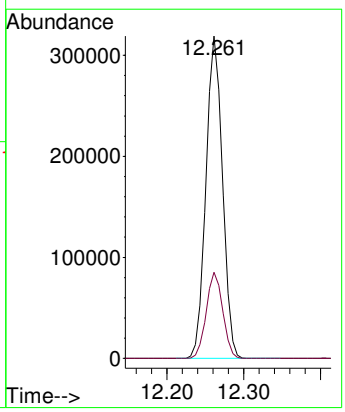


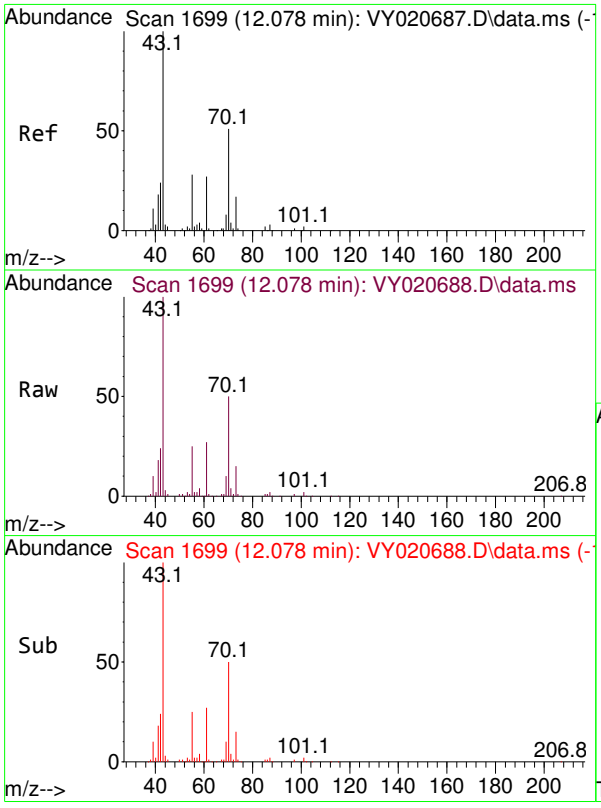
#73
Isopropylbenzene
Concen: 103.358 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 479106

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

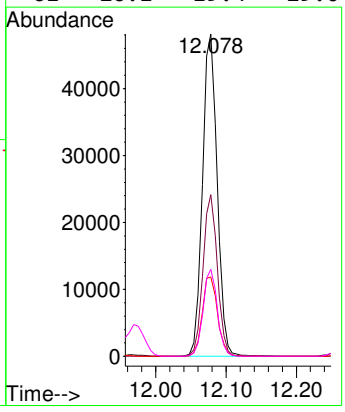


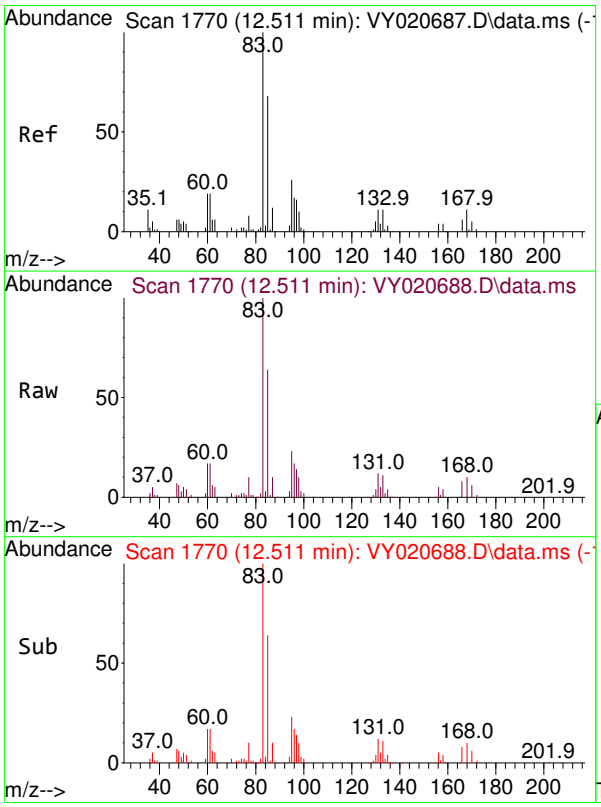


#74
N-amyl acetate
Concen: 107.418 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 43 Resp: 69966

Ion	Ratio	Lower	Upper
43	100		
70	49.1	34.2	51.2
55	25.6	19.6	29.4
61	26.1	19.4	29.0



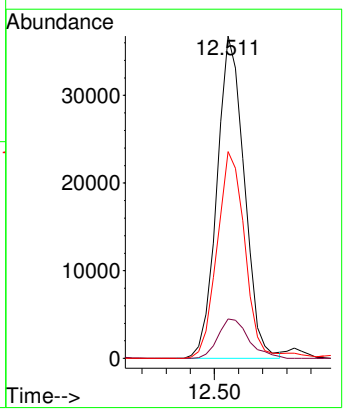


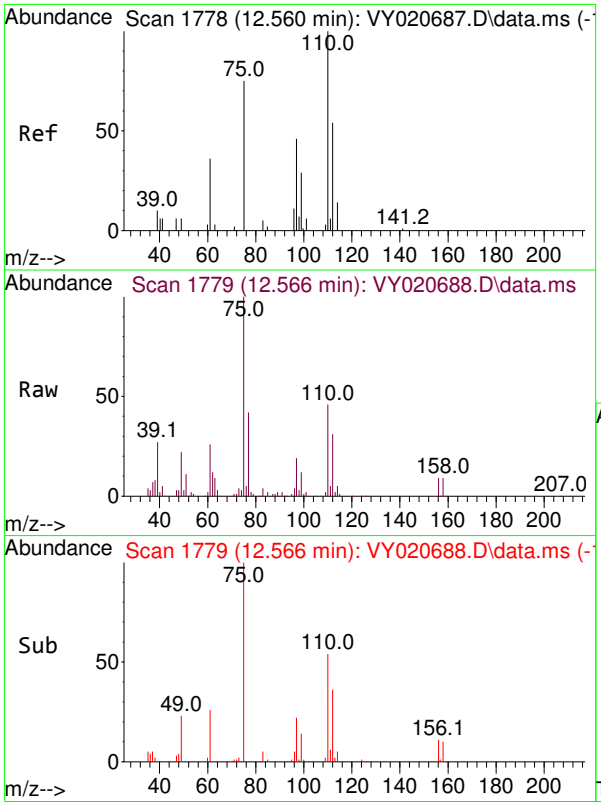
#75
1,1,2,2-Tetrachloroethane
Concen: 96.804 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 57744

Ion	Ratio	Lower	Upper
83	100		
131	13.7	5.2	15.6
85	66.1	32.5	97.4

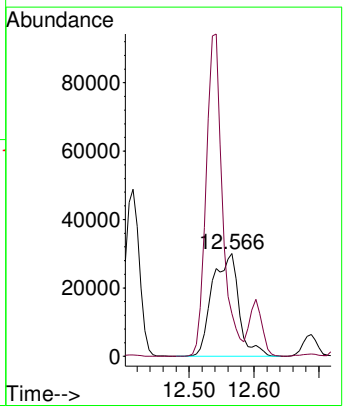


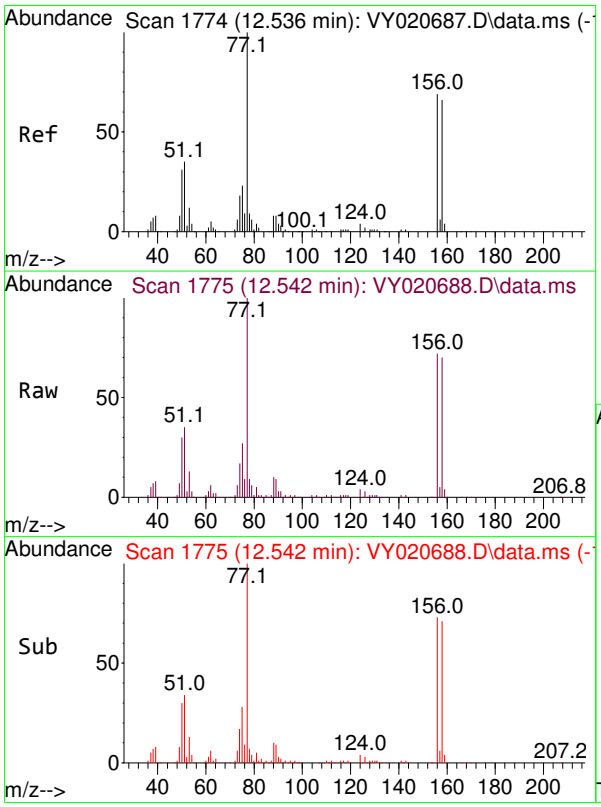


#76
1,2,3-Trichloropropane
Concen: 190.834 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 85238

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



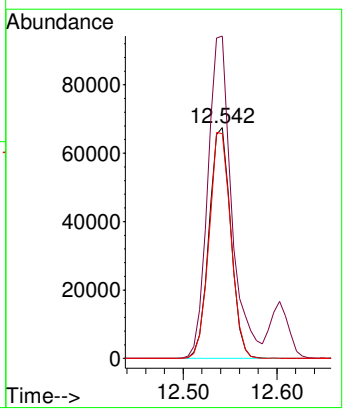


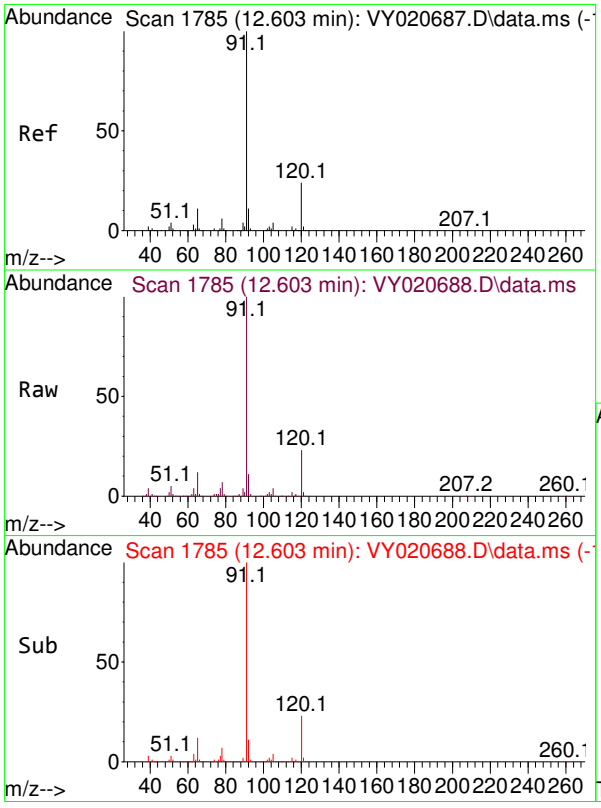
#77
Bromobenzene
Concen: 102.501 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 108194

Ion	Ratio	Lower	Upper
156	100		
77	154.0	94.2	282.4
158	97.8	48.9	146.6

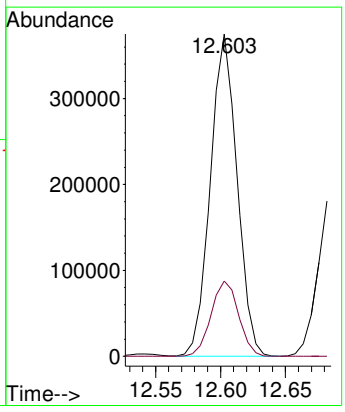


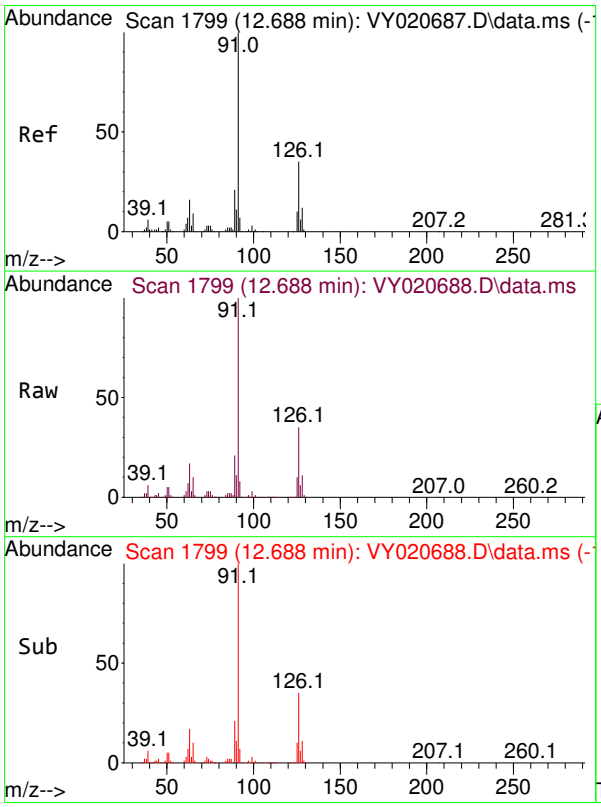


#78
n-propylbenzene
Concen: 102.443 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 535367

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.1	33.1



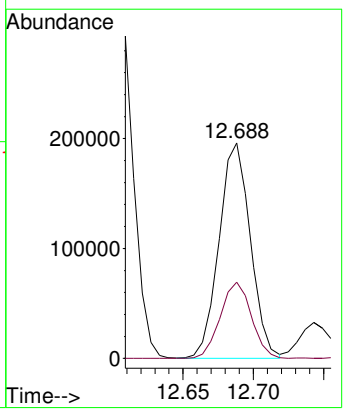


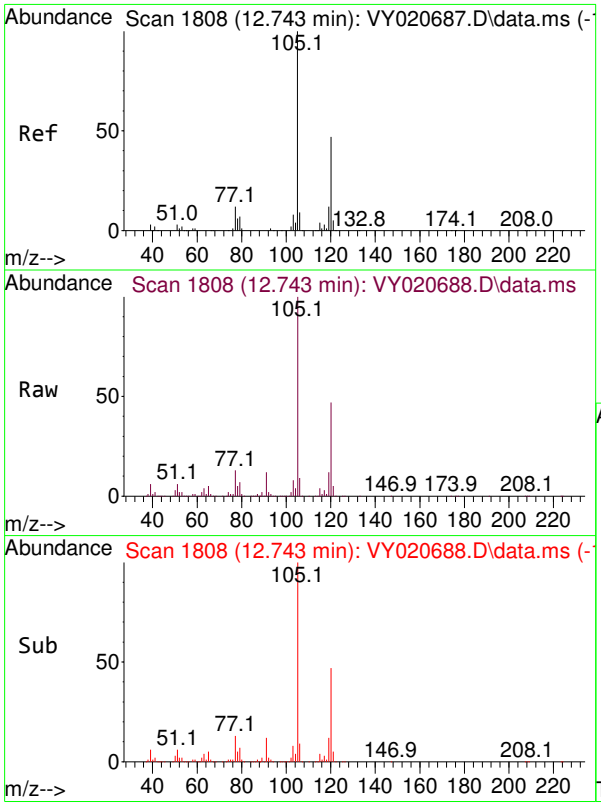
#79
2-Chlorotoluene
Concen: 101.736 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 302669

Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.6	49.7

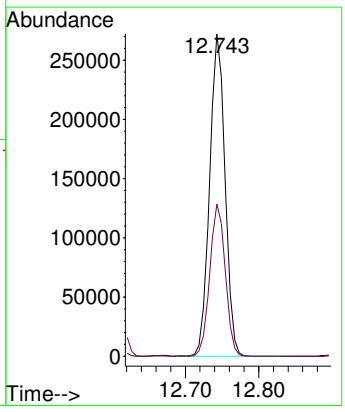


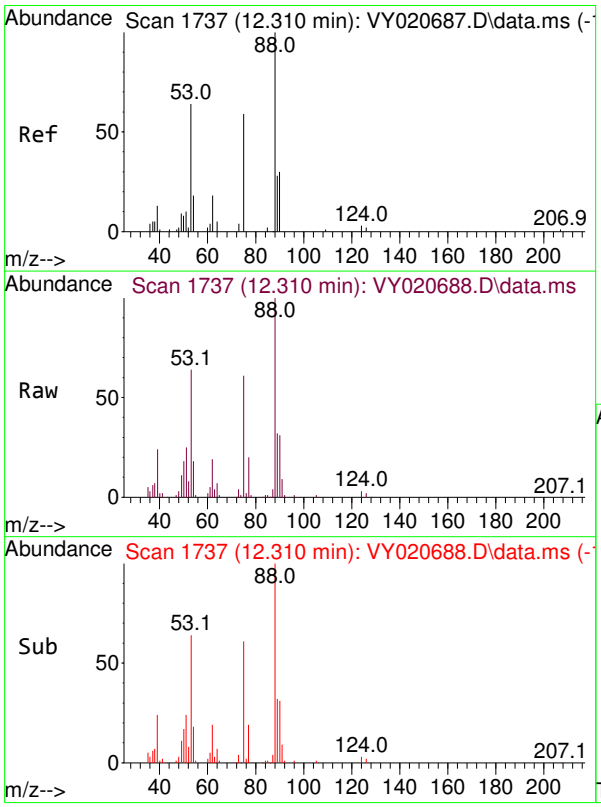


#80
1,3,5-Trimethylbenzene
Concen: 103.198 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 396768

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



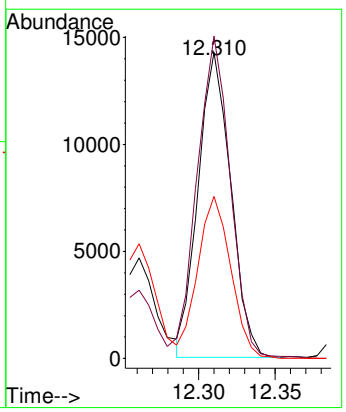


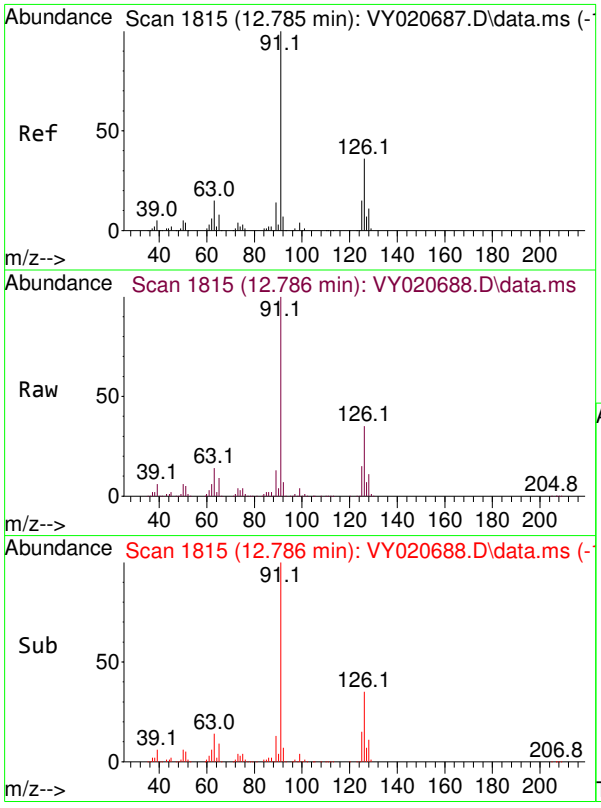
#81
trans-1,4-Dichloro-2-butene
Concen: 97.335 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 21044

Ion	Ratio	Lower	Upper
75	100		
53	108.3	75.4	113.2
89	53.9	37.0	55.4

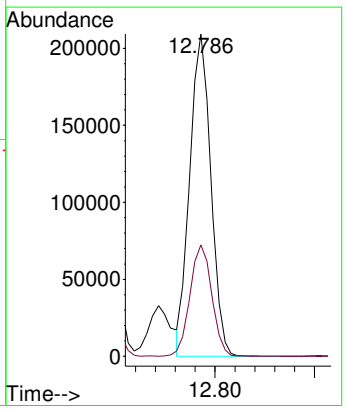


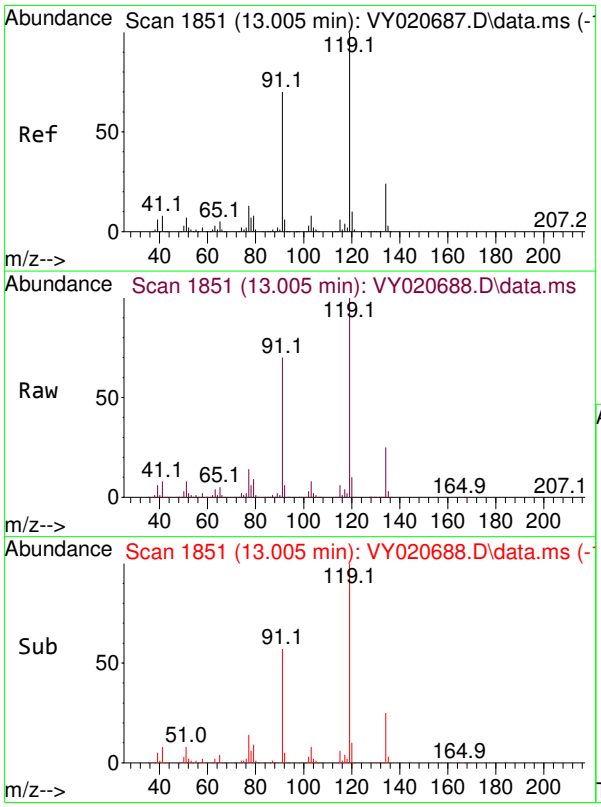


#82
4-Chlorotoluene
Concen: 101.618 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 91 Resp: 308333

Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.6	49.7



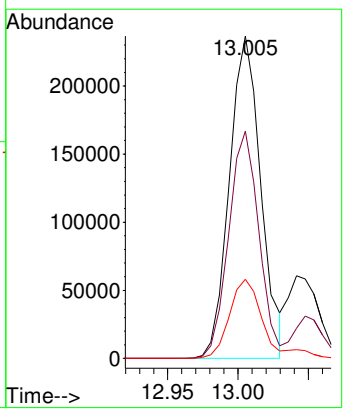


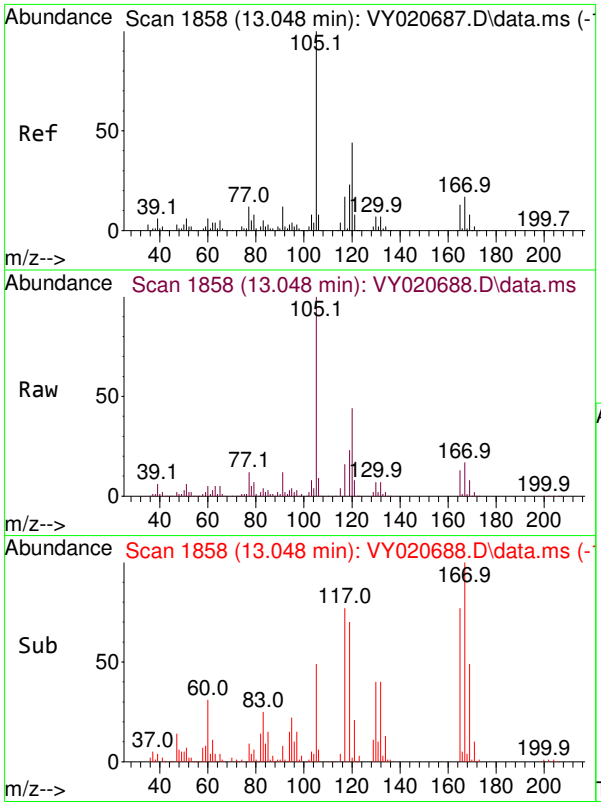
#83
tert-Butylbenzene
Concen: 102.974 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 368377

Ion	Ratio	Lower	Upper
119	100		
91	67.8	32.9	98.6
134	26.5	13.1	39.1

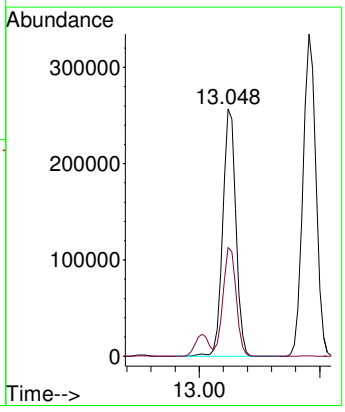


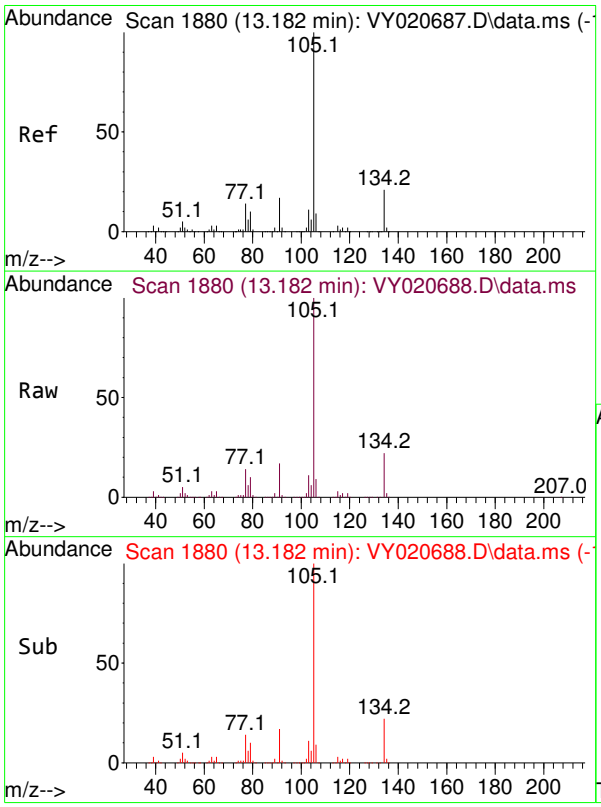


#84
1,2,4-Trimethylbenzene
Concen: 103.718 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:105 Resp: 389540

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4



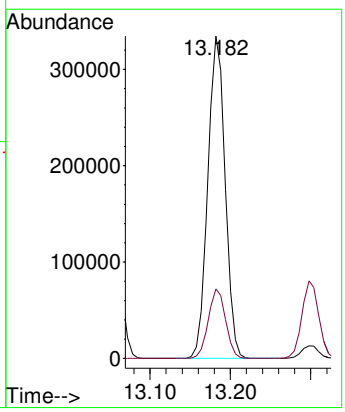


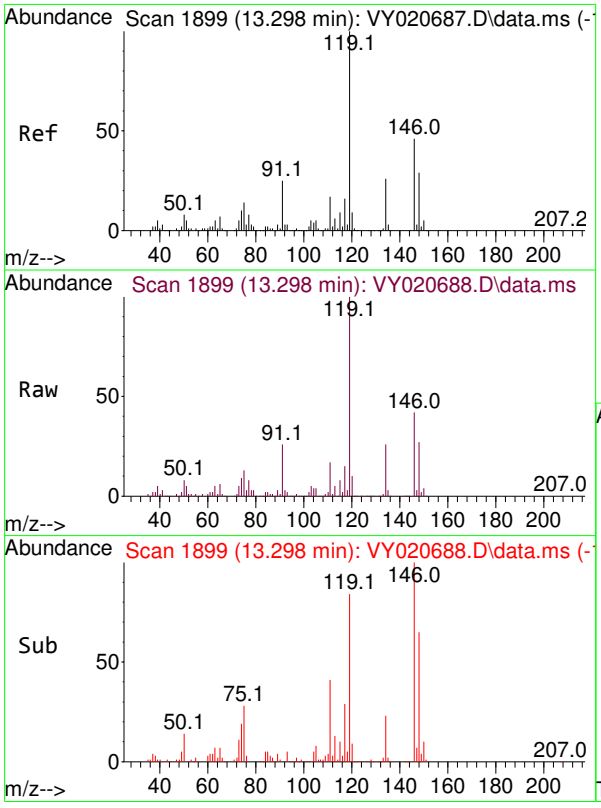
#85
sec-Butylbenzene
Concen: 103.872 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 500341

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.0	30.0

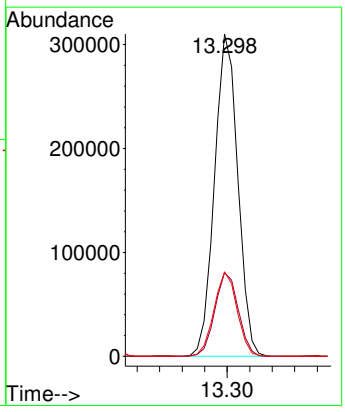


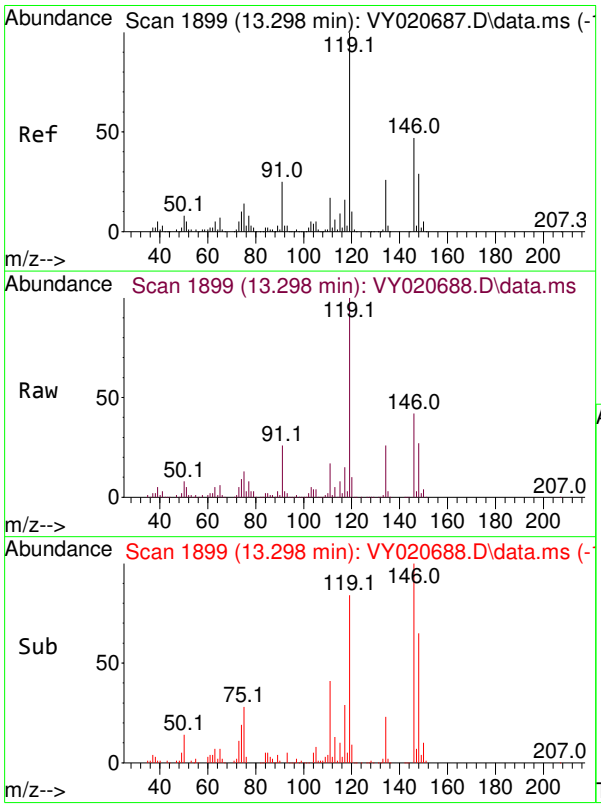


#86
p-Isopropyltoluene
Concen: 105.520 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:119 Resp: 444365

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	25.9	12.1	36.3



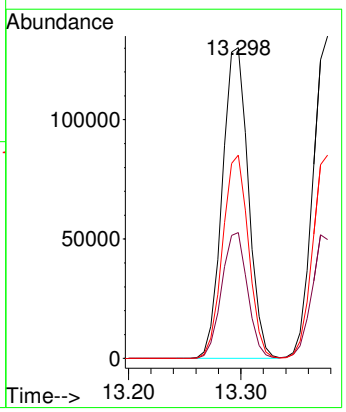


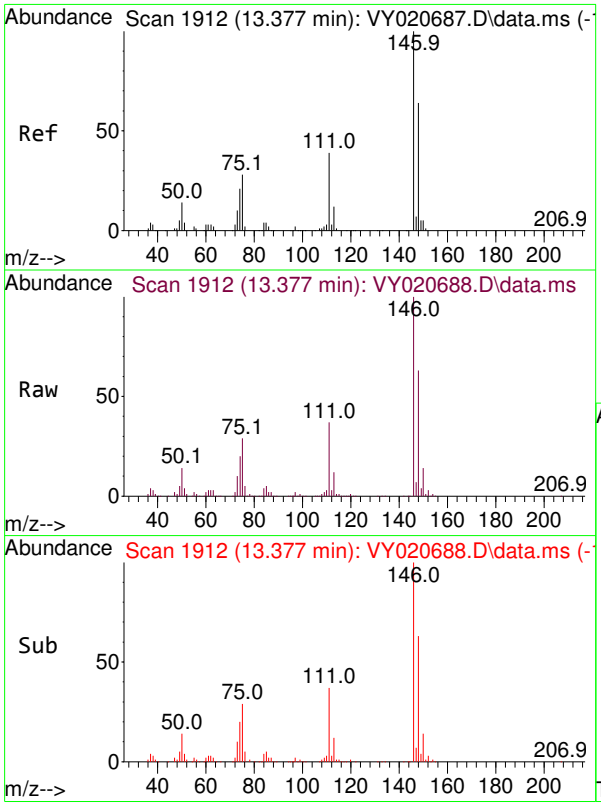
#87
1,3-Dichlorobenzene
Concen: 101.565 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 208263

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.9	31.4	94.0

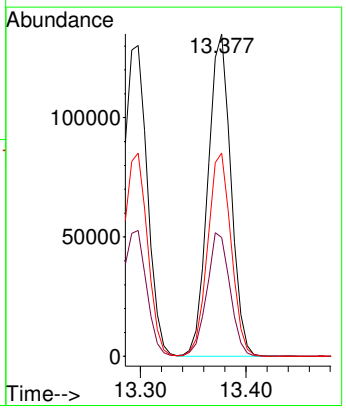


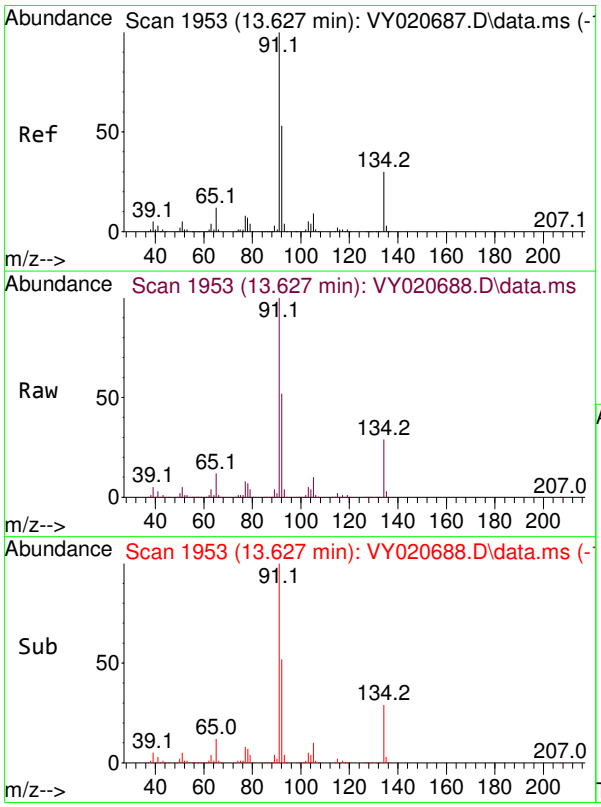


#88
1,4-Dichlorobenzene
Concen: 101.883 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:146 Resp: 204683

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	64.5	31.9	95.5



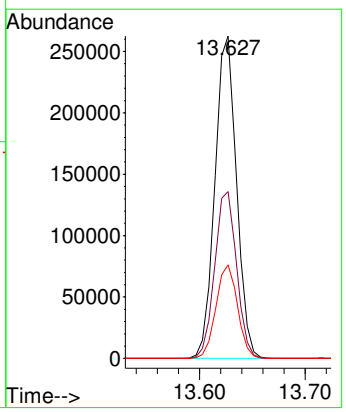


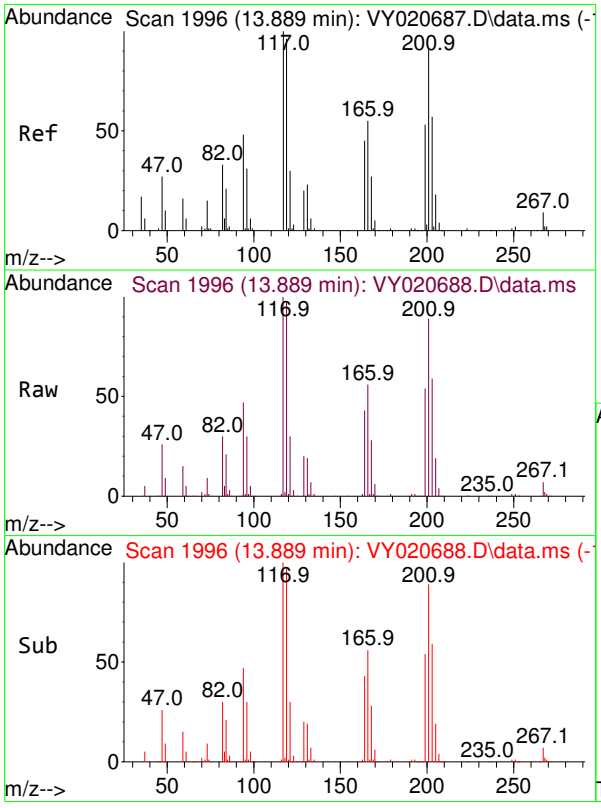
#89
n-Butylbenzene
Concen: 105.647 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 374806

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	29.0	12.5	37.5

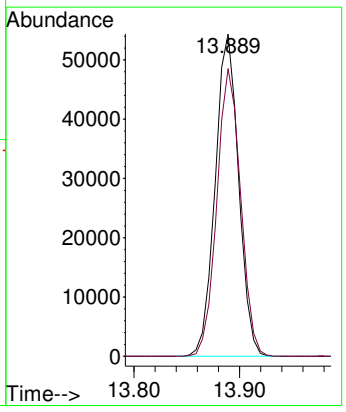


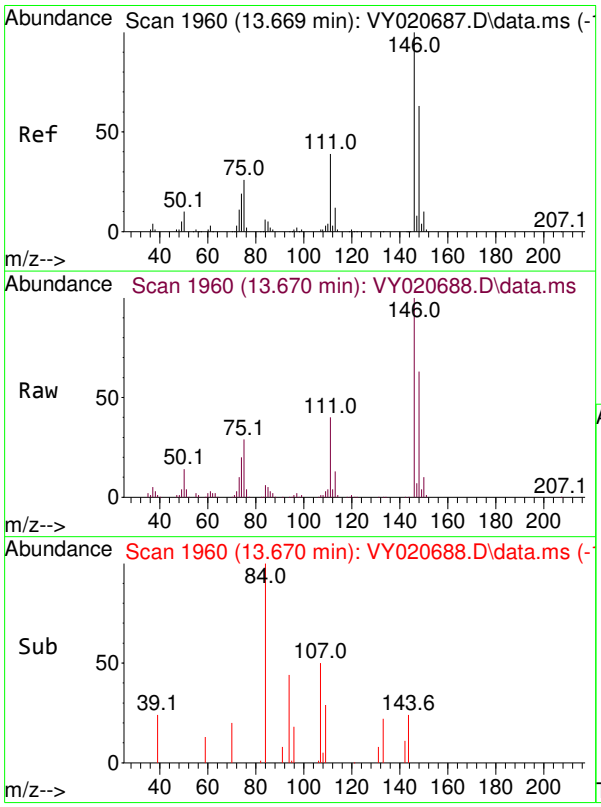


#90
Hexachloroethane
Concen: 105.279 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:117 Resp: 84108

Ion	Ratio	Lower	Upper
117	100		
201	90.5	39.1	117.3



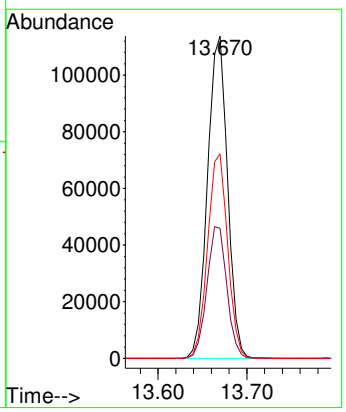


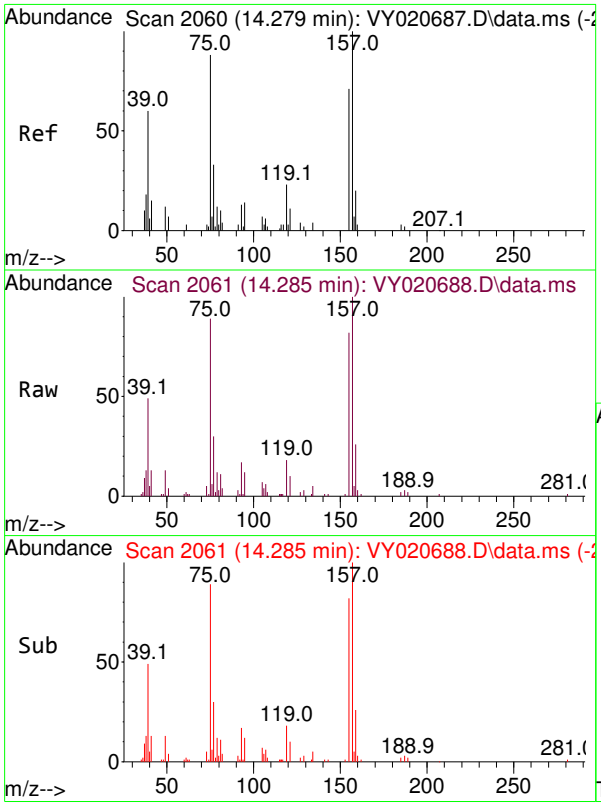
#91
1,2-Dichlorobenzene
Concen: 101.506 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 178630

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.7
148	63.6	32.0	96.0

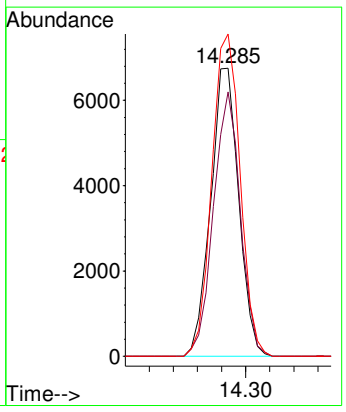


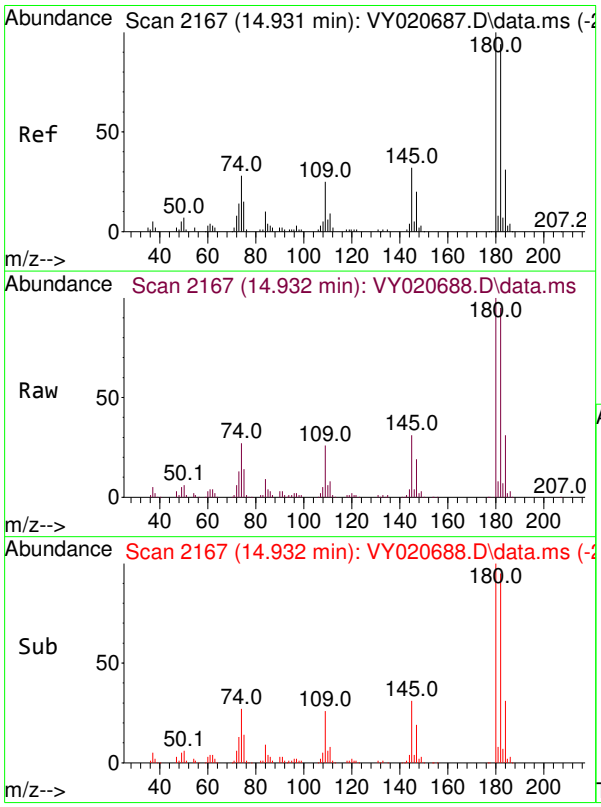


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.002 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion: 75 Resp: 10912

Ion	Ratio	Lower	Upper
75	100		
155	87.8	41.1	123.3
157	112.6	52.9	158.8



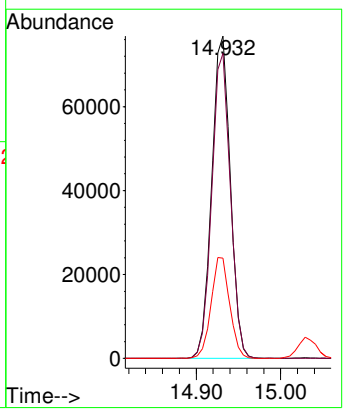


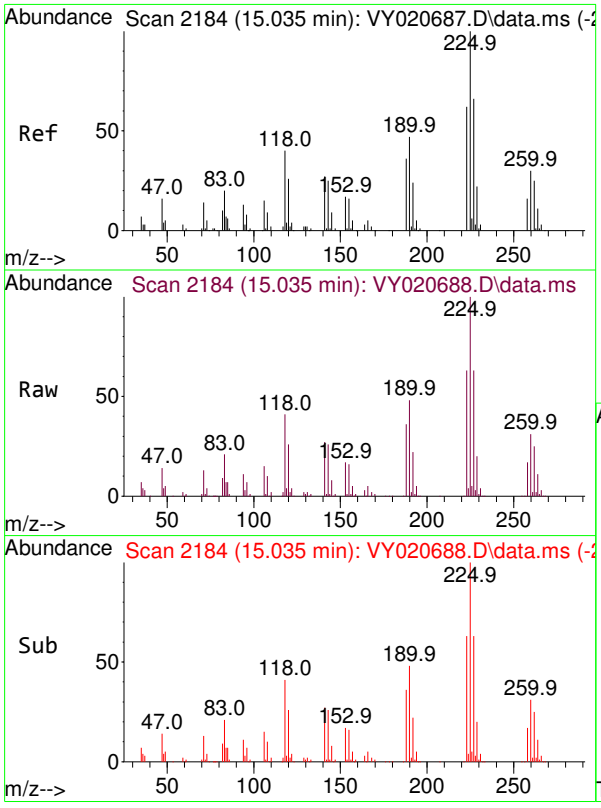
#93
1,2,4-Trichlorobenzene
Concen: 113.025 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 118085

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	31.3	15.6	46.7

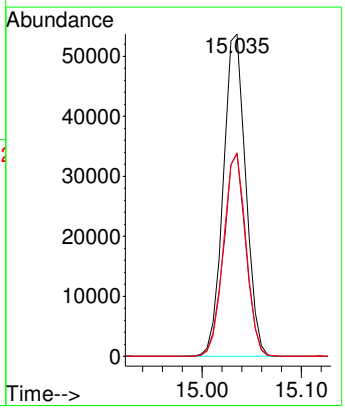


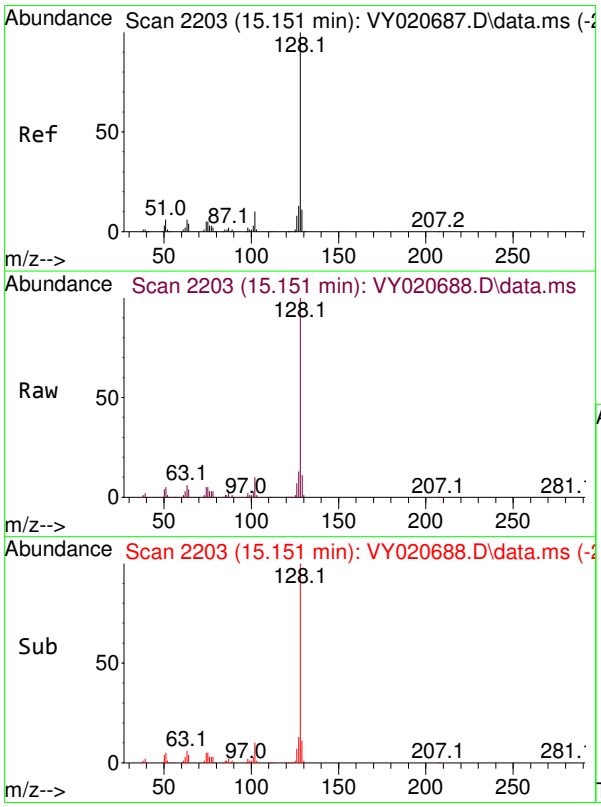


#94
Hexachlorobutadiene
Concen: 108.914 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:225 Resp: 84724

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.8	95.3
227	63.2	32.2	96.6



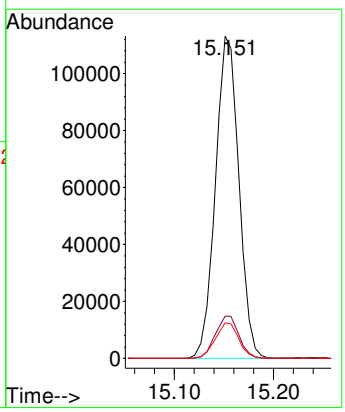


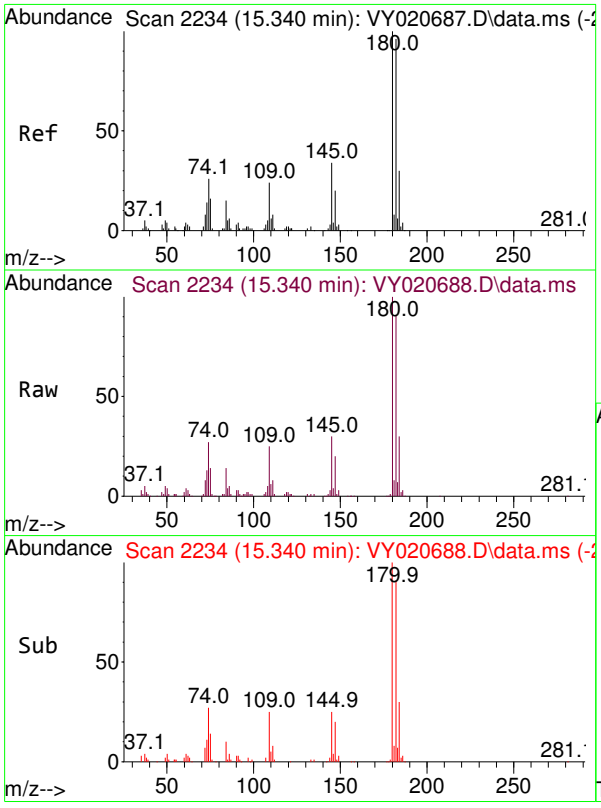
#95
Naphthalene
Concen: 93.198 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 186615

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.5	12.7

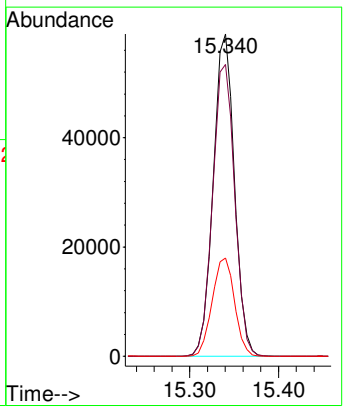




#96
1,2,3-Trichlorobenzene
Concen: 112.531 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020688.D
Acq: 23 Dec 2024 13:01

Tgt Ion:180 Resp: 98291

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	32.2	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	118653	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	164956	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	141375	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	70138	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	166588	158.528	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.060%#				
35) Dibromofluoromethane	7.646	113	147969	152.769	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.540%#				
50) Toluene-d8	10.115	98	580903	165.125	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 330.240%#				
62) 4-Bromofluorobenzene	12.414	95	196112	153.160	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 306.320%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	134463	147.096	ug/l		100
3) Chloromethane	2.074	50	58006	155.759	ug/l		97
4) Vinyl Chloride	2.214	62	71134	156.670	ug/l		98
5) Bromomethane	2.604	94	53718	167.549	ug/l		95
6) Chloroethane	2.745	64	44411	160.936	ug/l		95
7) Trichlorofluoromethane	3.074	101	253259	155.107	ug/l		98
8) Diethyl Ether	3.470	74	60863	155.730	ug/l		75
9) 1,1,2-Trichlorotrifluo...	3.830	101	135606	152.089	ug/l		91
10) Methyl Iodide	4.019	142	166424	162.032	ug/l	#	87
11) Tert butyl alcohol	4.891	59	46487	552.605	ug/l		98
12) 1,1-Dichloroethene	3.806	96	123149	155.626	ug/l		93
13) Acrolein	3.671	56	10860	740.749	ug/l		99
14) Allyl chloride	4.403	41	148981	160.548	ug/l	#	74
15) Acrylonitrile	5.074	53	113912	790.747	ug/l		97
16) Acetone	3.885	43	85270	710.409	ug/l		100
17) Carbon Disulfide	4.123	76	324936	164.698	ug/l		99
18) Methyl Acetate	4.397	43	51789	166.772	ug/l	#	85
19) Methyl tert-butyl Ether	5.135	73	337824	156.949	ug/l	#	88
20) Methylene Chloride	4.635	84	118243	147.834	ug/l	#	85
21) trans-1,2-Dichloroethene	5.135	96	132986	155.860	ug/l		89
22) Diisopropyl ether	6.031	45	286326	150.931	ug/l	#	82
23) Vinyl Acetate	5.976	43	881097	784.352	ug/l	#	89
24) 1,1-Dichloroethane	5.933	63	217525	153.814	ug/l		97
25) 2-Butanone	6.909	43	127141	754.045	ug/l	#	83
26) 2,2-Dichloropropane	6.903	77	258411	146.050	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	157335	154.818	ug/l		90
28) Bromochloromethane	7.256	49	66534	150.678	ug/l	#	56
29) Tetrahydrofuran	7.274	42	78165	788.722	ug/l	#	71
30) Chloroform	7.433	83	270669	145.605	ug/l		94
31) Cyclohexane	7.713	56	170404	137.425	ug/l	#	80
32) 1,1,1-Trichloroethane	7.634	97	294790	151.797	ug/l		96
36) 1,1-Dichloropropene	7.847	75	180118	152.988	ug/l		95
37) Ethyl Acetate	6.994	43	60857	158.166	ug/l	#	94
38) Carbon Tetrachloride	7.829	117	295253	154.972	ug/l		98
39) Methylcyclohexane	9.116	83	237823	158.923	ug/l		91
40) Benzene	8.091	78	523806	154.222	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	31885	146.421 ug/l #	85
42) 1,2-Dichloroethane	8.171	62	165429	153.149 ug/l	98
43) Isopropyl Acetate	8.207	43	131403	164.314 ug/l #	92
44) Trichloroethene	8.872	130	153176	151.961 ug/l	96
45) 1,2-Dichloropropane	9.146	63	103202	154.651 ug/l	98
46) Dibromomethane	9.237	93	71272	154.707 ug/l	92
47) Bromodichloromethane	9.433	83	202588	155.020 ug/l #	98
48) Methyl methacrylate	9.225	41	63549	167.633 ug/l #	81
49) 1,4-Dioxane	9.244	88	14771	3074.487 ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	315090	788.748 ug/l	92
52) Toluene	10.176	92	360597	155.908 ug/l	100
53) t-1,3-Dichloropropene	10.402	75	186208	161.029 ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	200337	157.228 ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	91887	154.039 ug/l	94
56) Ethyl methacrylate	10.445	69	130318	171.265 ug/l	88
57) 1,3-Dichloropropane	10.725	76	151026	154.887 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	238338	838.195 ug/l #	81
59) 2-Hexanone	10.768	43	215657	847.520 ug/l	94
60) Dibromochloromethane	10.920	129	149883	157.377 ug/l	99
61) 1,2-Dibromoethane	11.024	107	87299	156.108 ug/l	99
64) Tetrachloroethene	10.652	164	146561	156.096 ug/l	99
65) Chlorobenzene	11.450	112	407595	154.283 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	157994	153.146 ug/l	95
67) Ethyl Benzene	11.524	91	734276	154.917 ug/l	98
68) m/p-Xylenes	11.633	106	556852	308.089 ug/l	99
69) o-Xylene	11.963	106	258997	152.546 ug/l	97
70) Styrene	11.975	104	438074	153.403 ug/l	98
71) Bromoform	12.139	173	92813	157.066 ug/l #	98
73) Isopropylbenzene	12.261	105	726636	152.310 ug/l	99
74) N-amyl acetate	12.078	43	114005	170.064 ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	93652	152.547 ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	139557	303.580 ug/l #	100
77) Bromobenzene	12.536	156	168664	155.256 ug/l	85
78) n-propylbenzene	12.603	91	811953	150.960 ug/l	95
79) 2-Chlorotoluene	12.688	91	460395	150.361 ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	598606	151.278 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	35122	157.841 ug/l	89
82) 4-Chlorotoluene	12.786	91	481776	154.276 ug/l	98
83) tert-Butylbenzene	13.005	119	556945	151.269 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	586180	151.646 ug/l	99
85) sec-Butylbenzene	13.182	105	754129	152.117 ug/l	97
86) p-Isopropyltoluene	13.298	119	668742	154.295 ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	317774	150.573 ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	313256	151.502 ug/l	99
89) n-Butylbenzene	13.627	91	569116	155.866 ug/l	96
90) Hexachloroethane	13.889	117	127446	155.000 ug/l	86
91) 1,2-Dichlorobenzene	13.664	146	275211	151.951 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	18972	162.178 ug/l	95
93) 1,2,4-Trichlorobenzene	14.932	180	190996	177.625 ug/l	99
94) Hexachlorobutadiene	15.035	225	130134	162.543 ug/l	99
95) Naphthalene	15.151	128	321245	153.526 ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	159815	177.777 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration

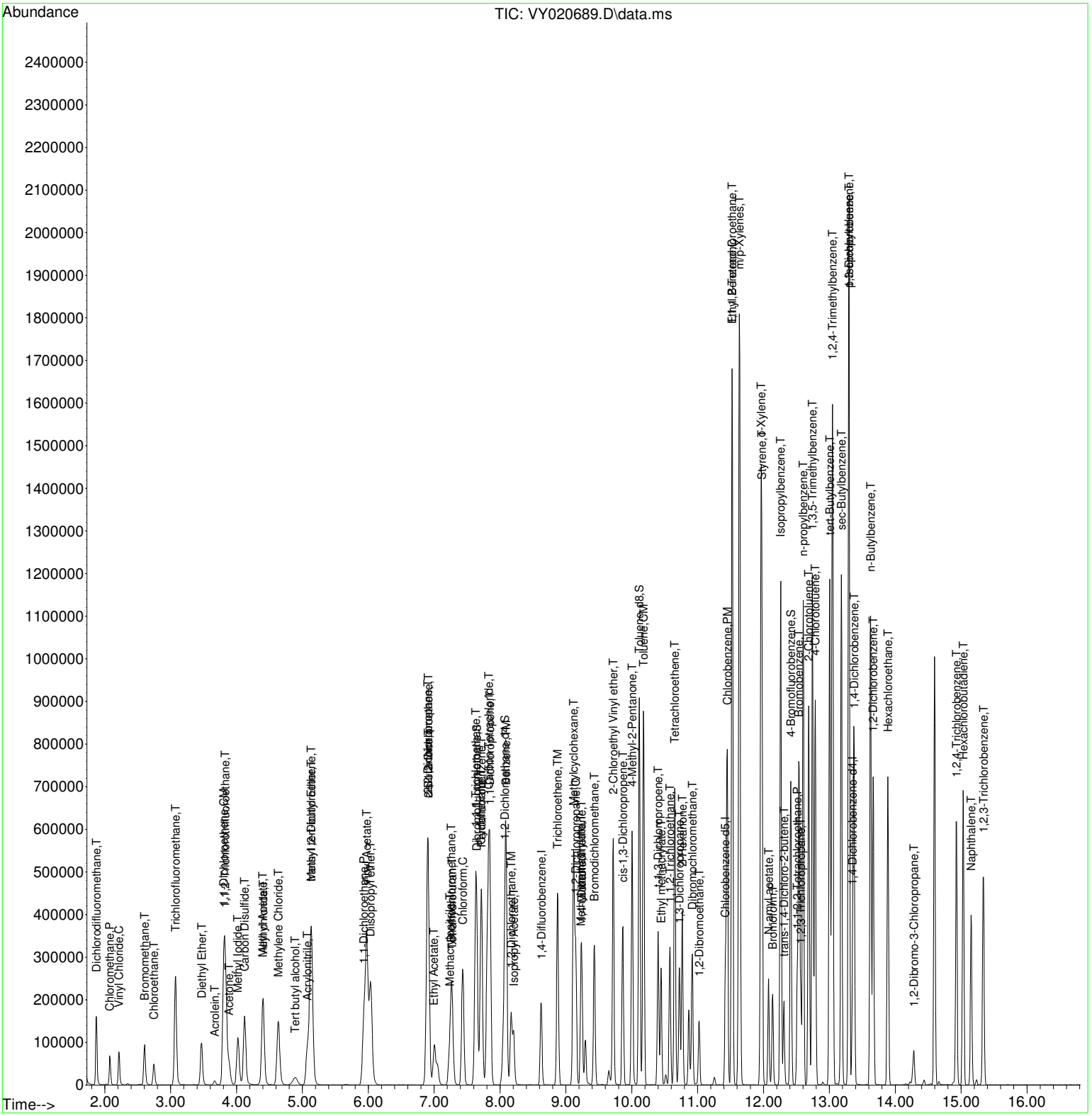
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

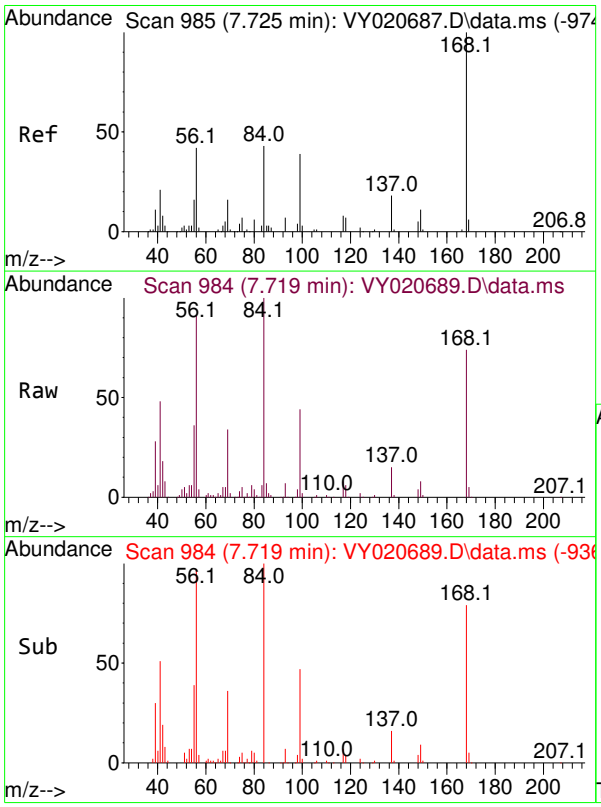
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020689.D
Acq On : 23 Dec 2024 13:24
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 23 13:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 13:45:38 2024
Response via : Initial Calibration



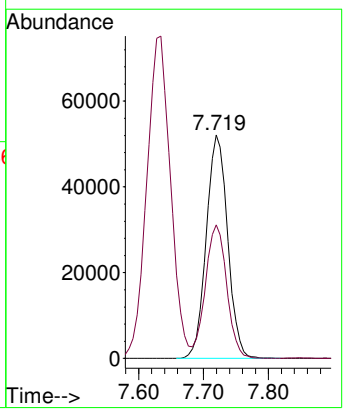


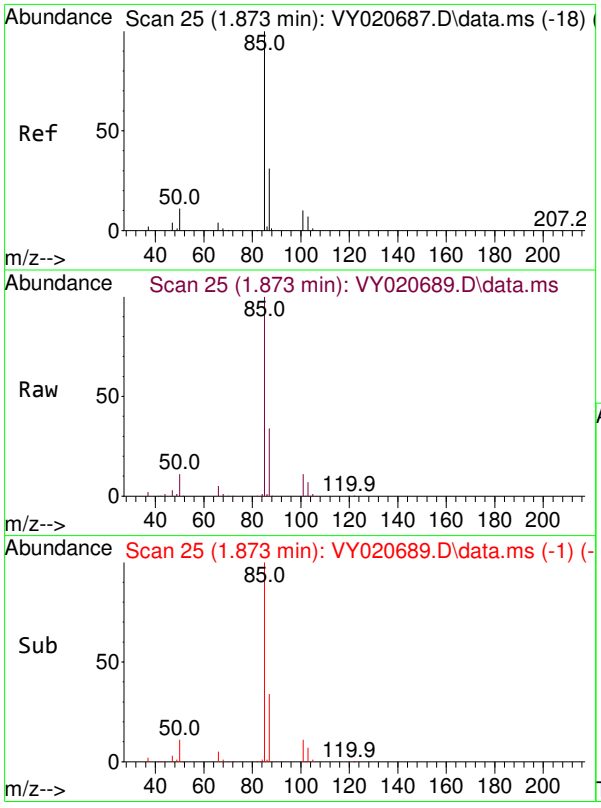
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 118653

Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.0	70.6

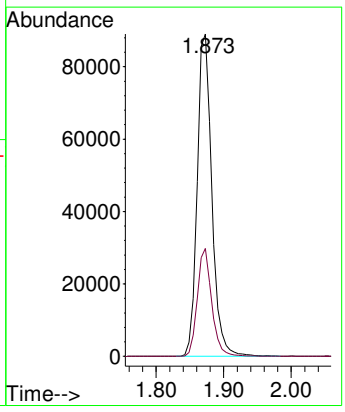


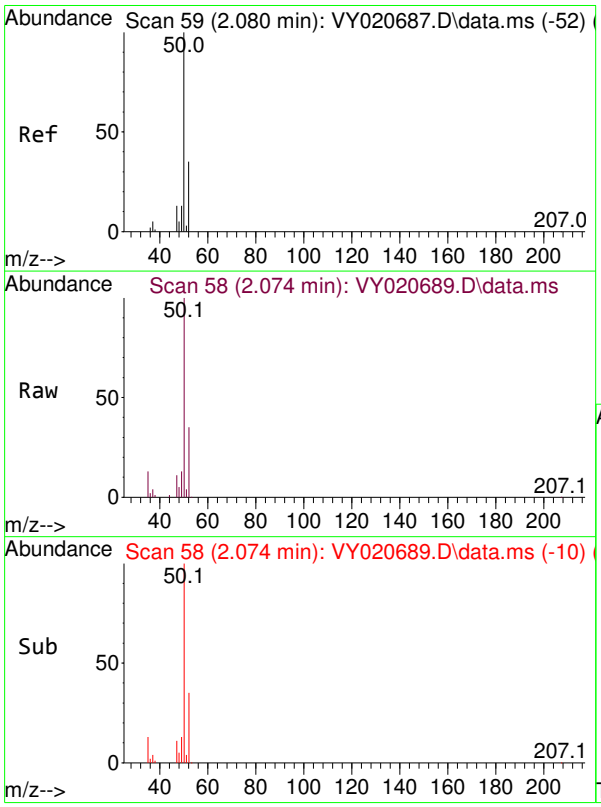


#2
Dichlorodifluoromethane
Concen: 147.096 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 85 Resp: 134463

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



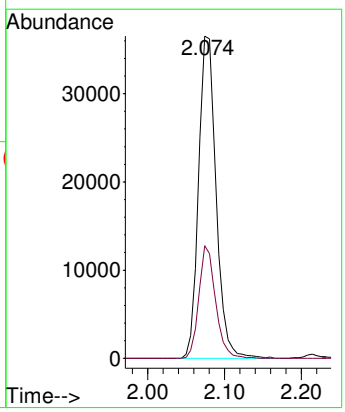


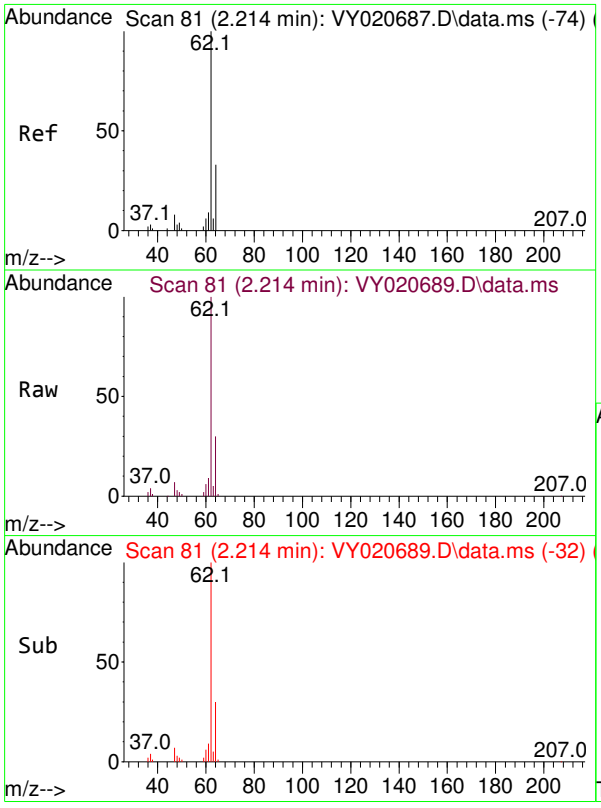
#3
Chloromethane
Concen: 155.759 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 58006

Ion	Ratio	Lower	Upper
50	100		
52	35.0	26.8	40.2

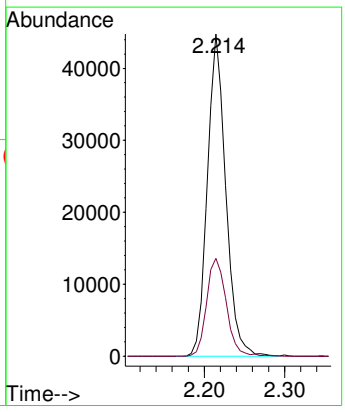


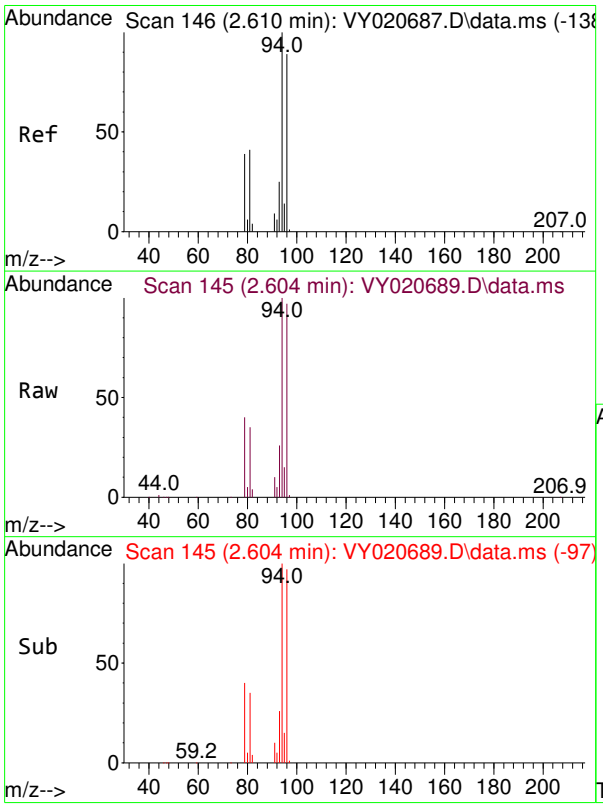


#4
Vinyl Chloride
Concen: 156.670 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 62 Resp: 71134

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9



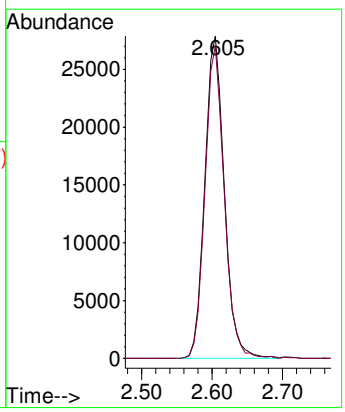


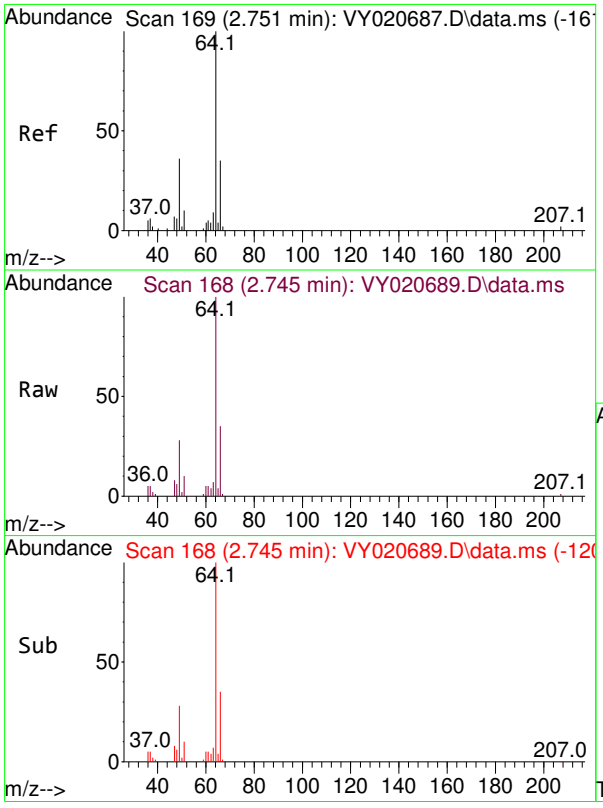
#5
Bromomethane
Concen: 167.549 ug/l
RT: 2.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 53718

Ion	Ratio	Lower	Upper
94	100		
96	97.0	73.8	110.6

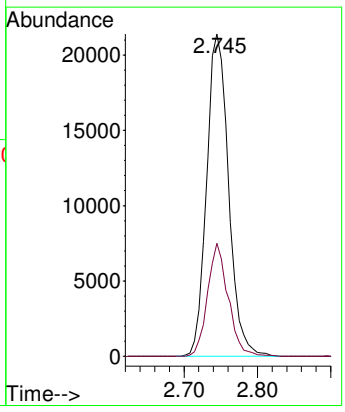


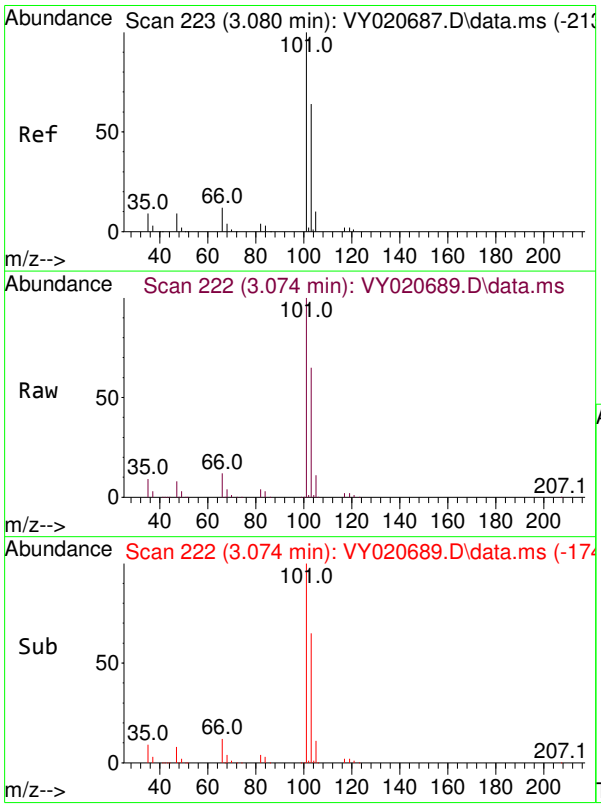


#6
Chloroethane
Concen: 160.936 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 64 Resp: 44411

Ion	Ratio	Lower	Upper
64	100		
66	35.0	25.8	38.6



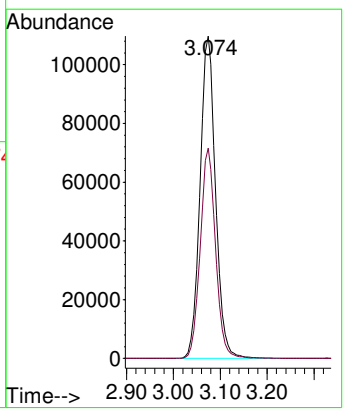


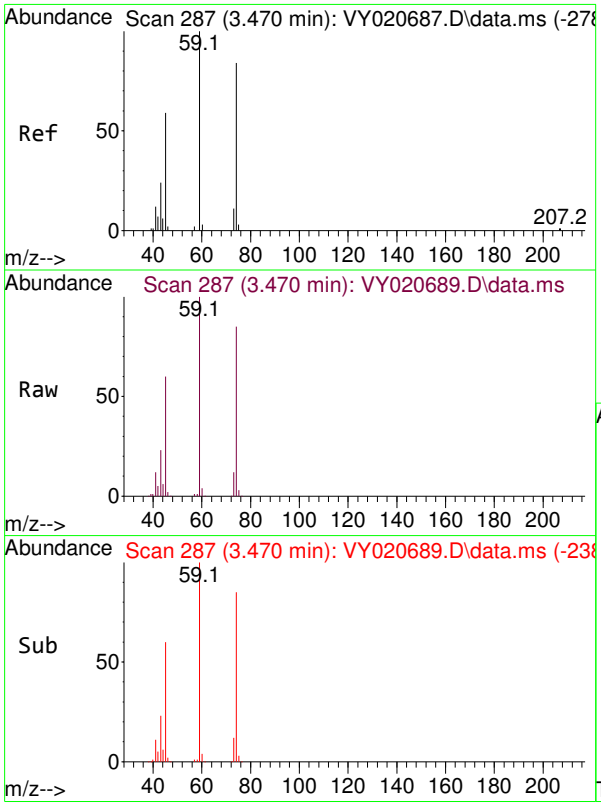
#7
Trichlorofluoromethane
Concen: 155.107 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 253259

Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.4	80.0

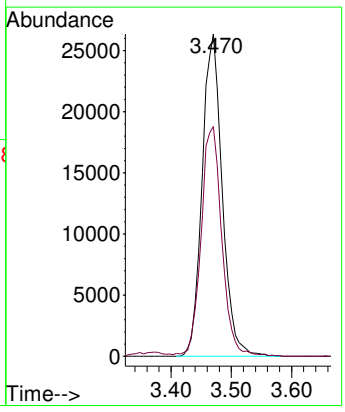


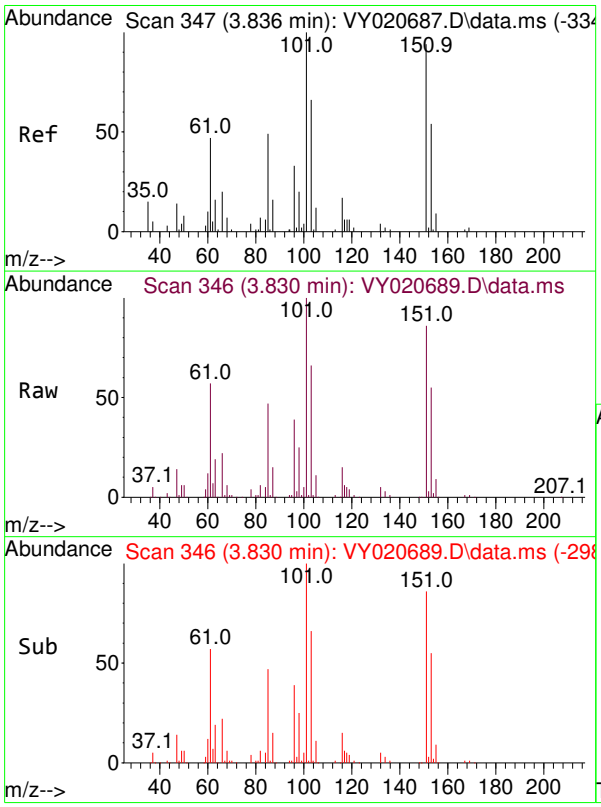


#8
Diethyl Ether
Concen: 155.730 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 74 Resp: 60863

Ion	Ratio	Lower	Upper
74	100		
45	73.6	49.0	147.2



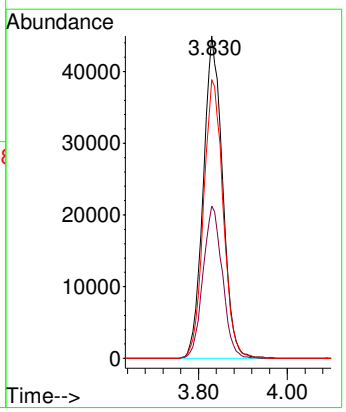


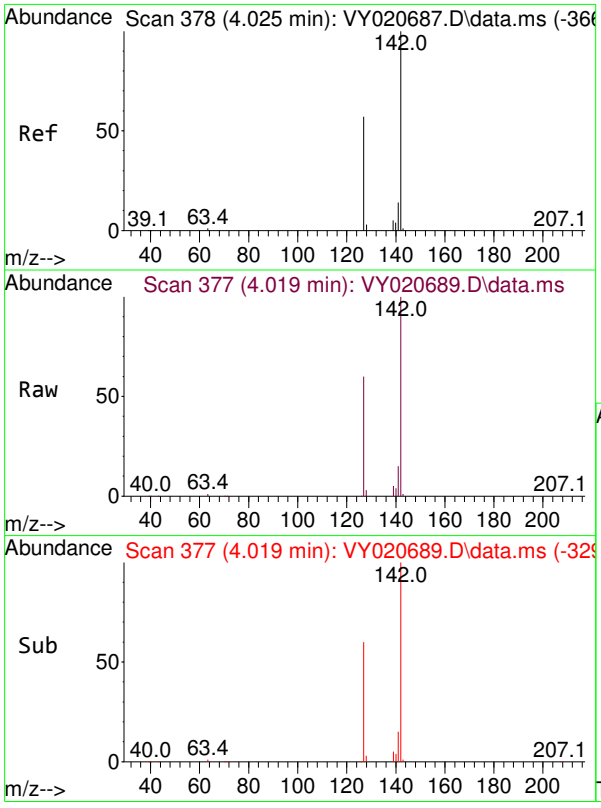
#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.089 ug/l
RT: 3.830 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 135606

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.6	54.8
151	87.5	61.5	92.3

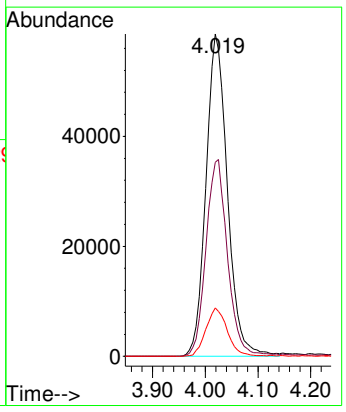


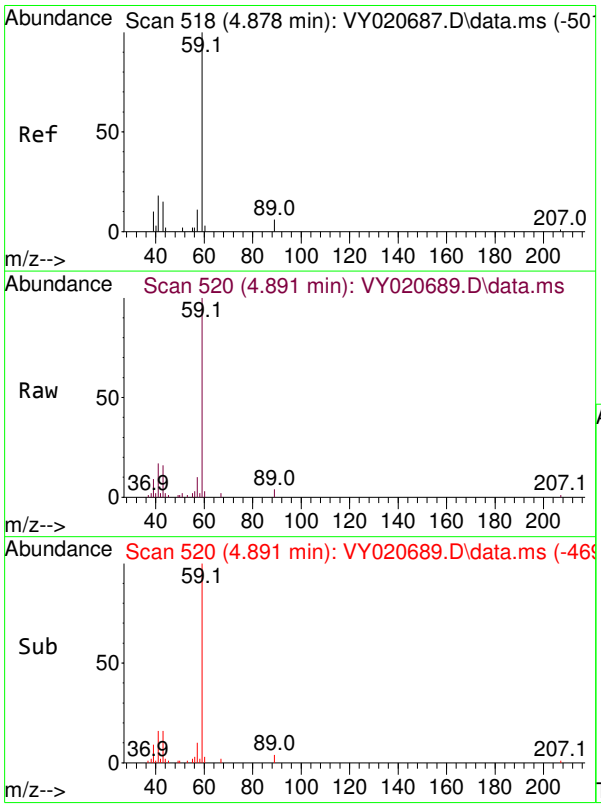


#10
Methyl Iodide
Concen: 162.032 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:142 Resp: 166424

Ion	Ratio	Lower	Upper
142	100		
127	61.9	40.6	61.0#
141	14.9	11.7	17.5



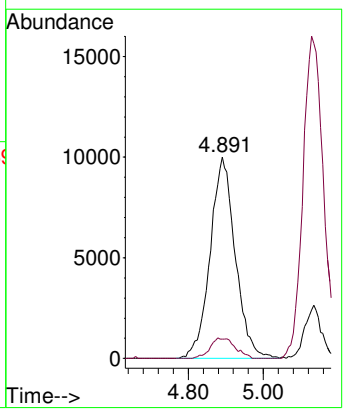


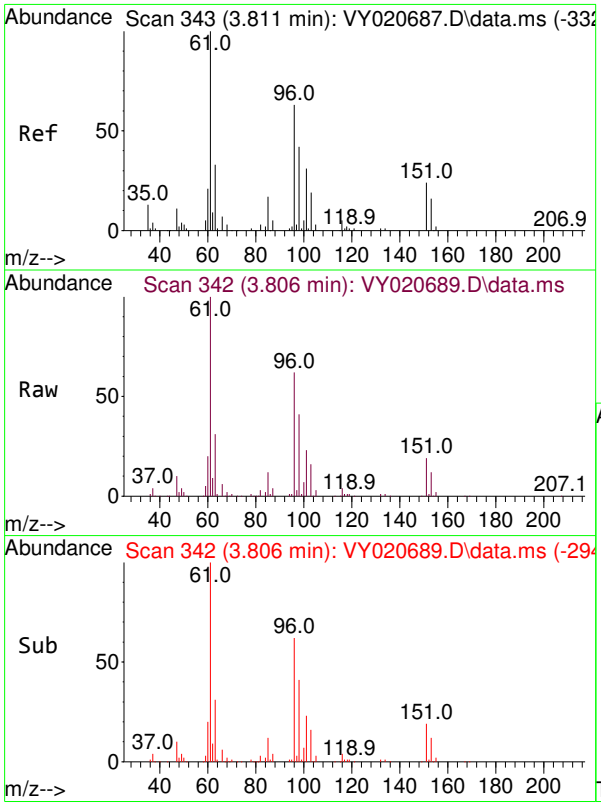
#11
Tert butyl alcohol
Concen: 552.605 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 46487

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.4	11.0

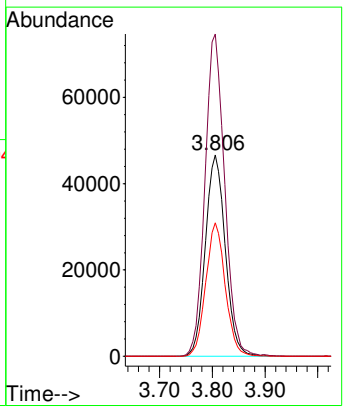


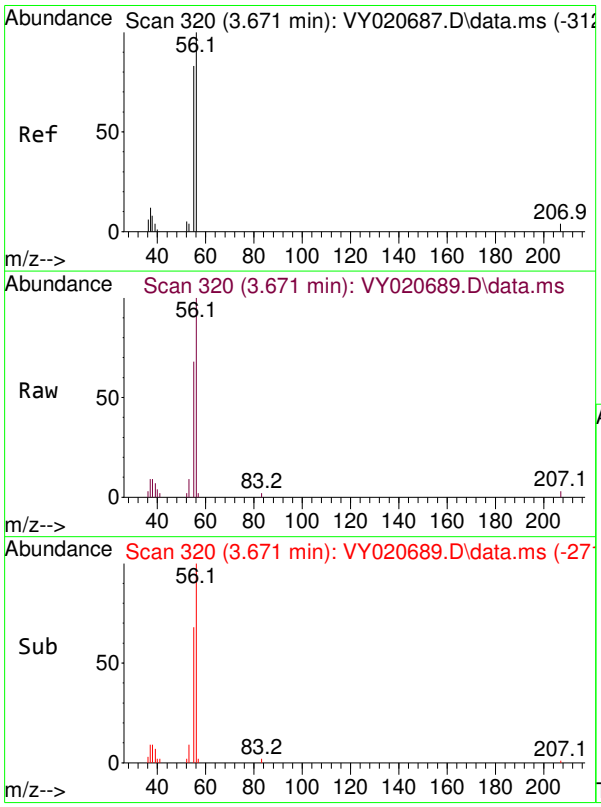


#12
1,1-Dichloroethene
Concen: 155.626 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 96 Resp: 123149

Ion	Ratio	Lower	Upper
96	100		
61	160.0	136.9	205.3
98	66.3	50.2	75.4



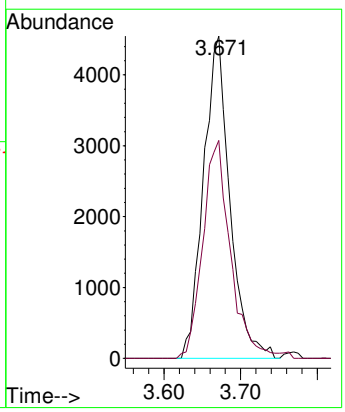


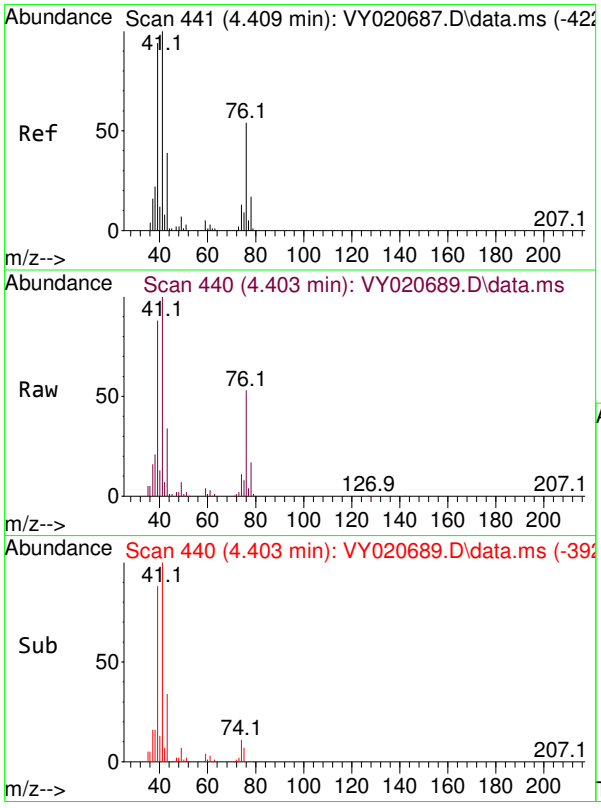
#13
Acrolein
Concen: 740.749 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 10860

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.5	86.3

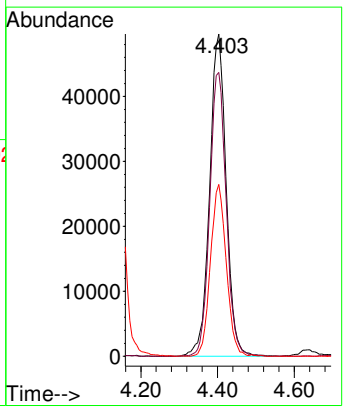


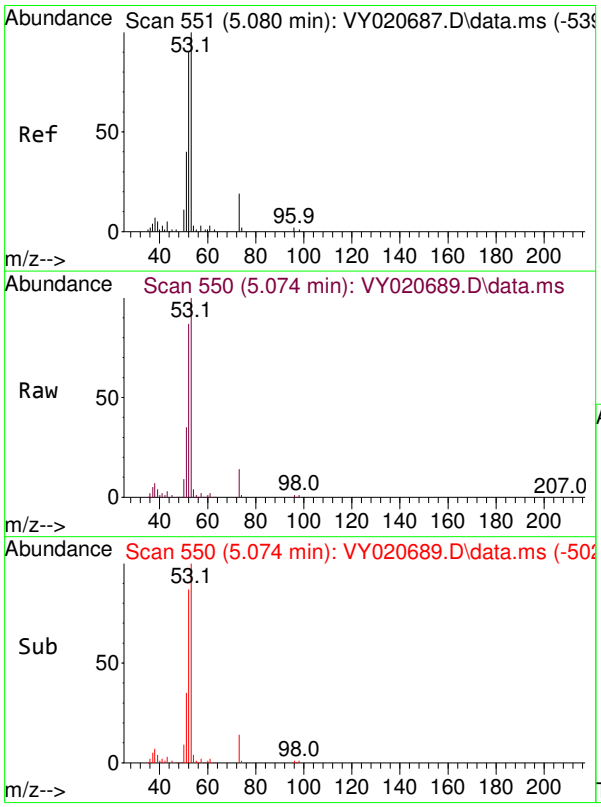


#14
Allyl chloride
Concen: 160.548 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 41 Resp: 148981

Ion	Ratio	Lower	Upper
41	100		
39	87.9	53.0	79.4#
76	50.9	29.5	44.3#



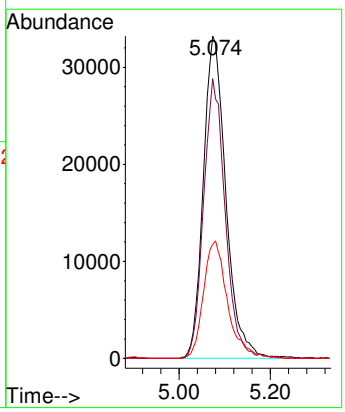


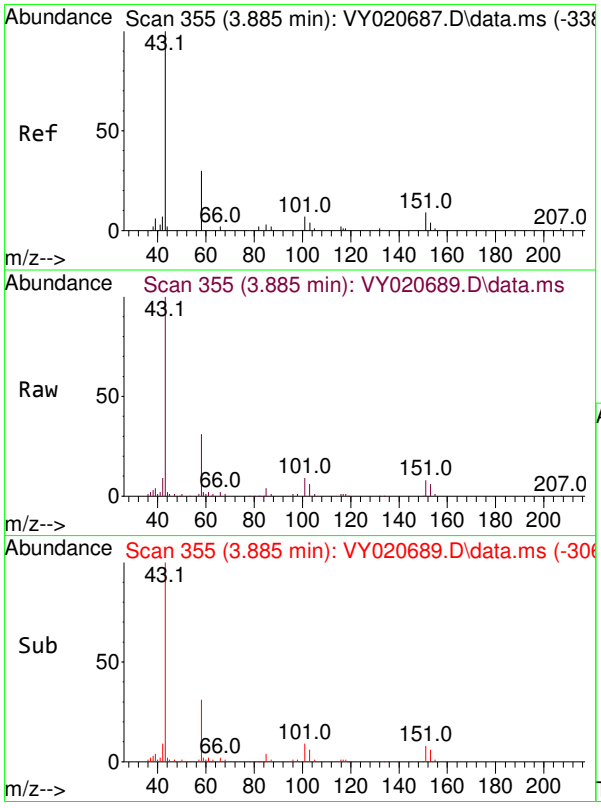
#15
Acrylonitrile
Concen: 790.747 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 113912

Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.5	96.7
51	39.0	29.4	44.0

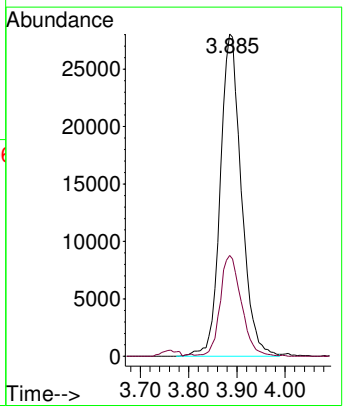


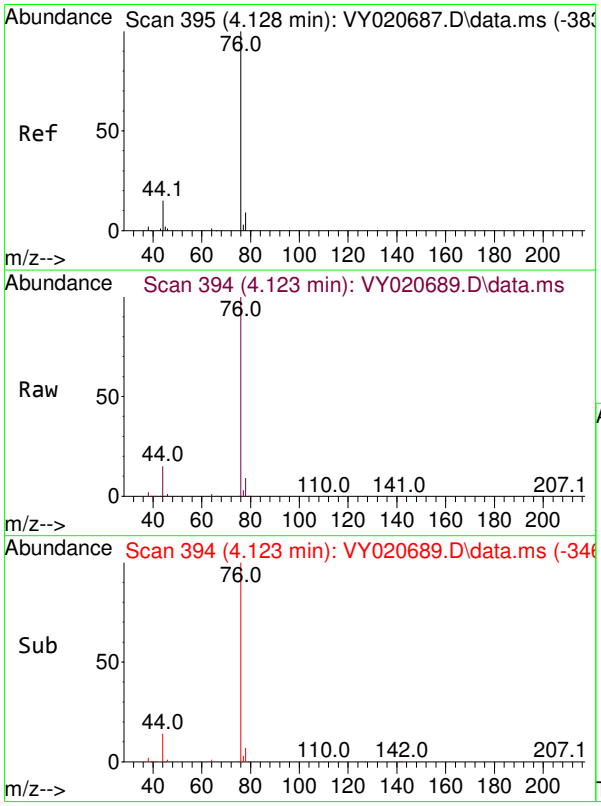


#16
Acetone
Concen: 710.409 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 85270

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6



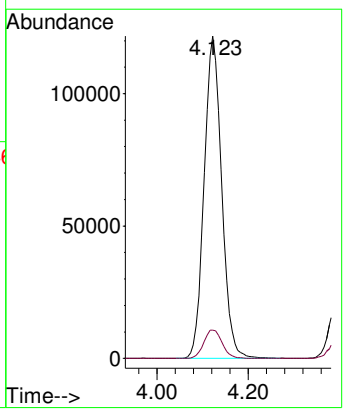


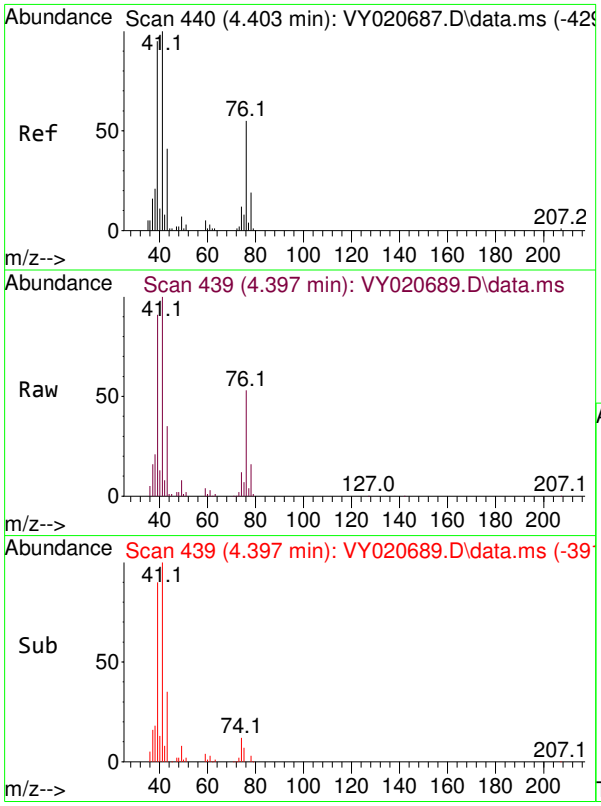
#17
Carbon Disulfide
Concen: 164.698 ug/l
RT: 4.123 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 324936

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

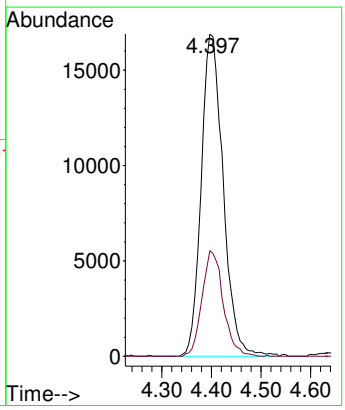


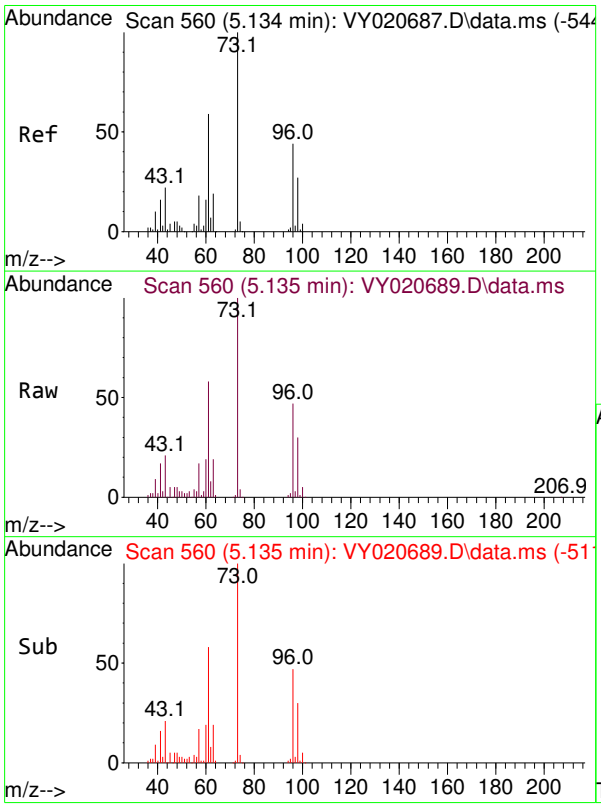


#18
Methyl Acetate
Concen: 166.772 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 51789

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#



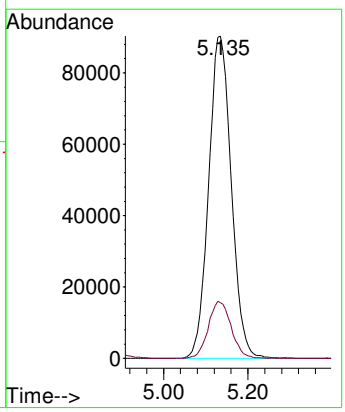


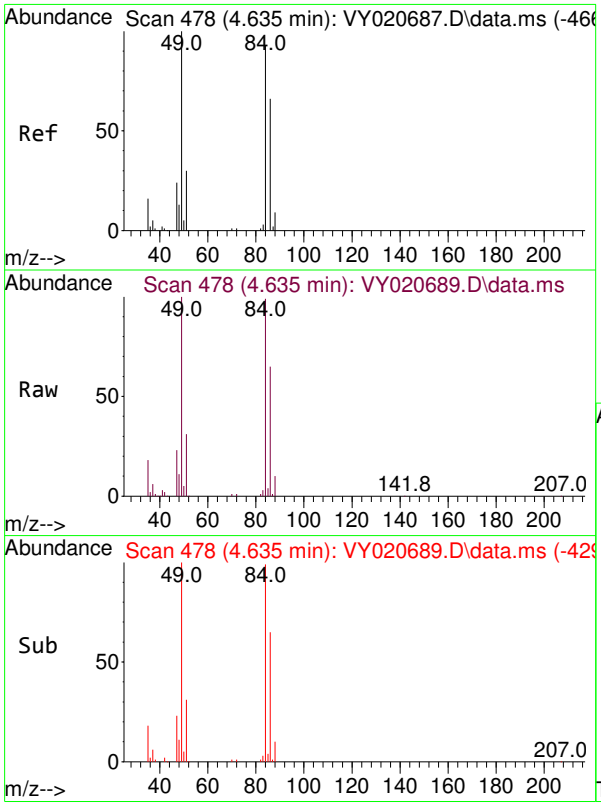
#19
Methyl tert-butyl Ether
Concen: 156.949 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 337824

Ion	Ratio	Lower	Upper
73	100		
57	17.3	18.5	27.7#

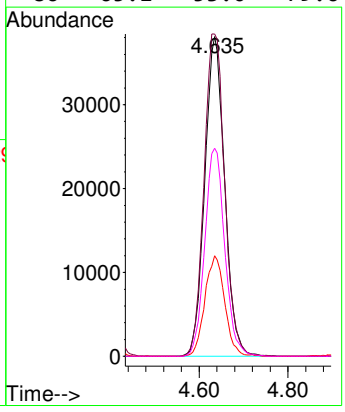


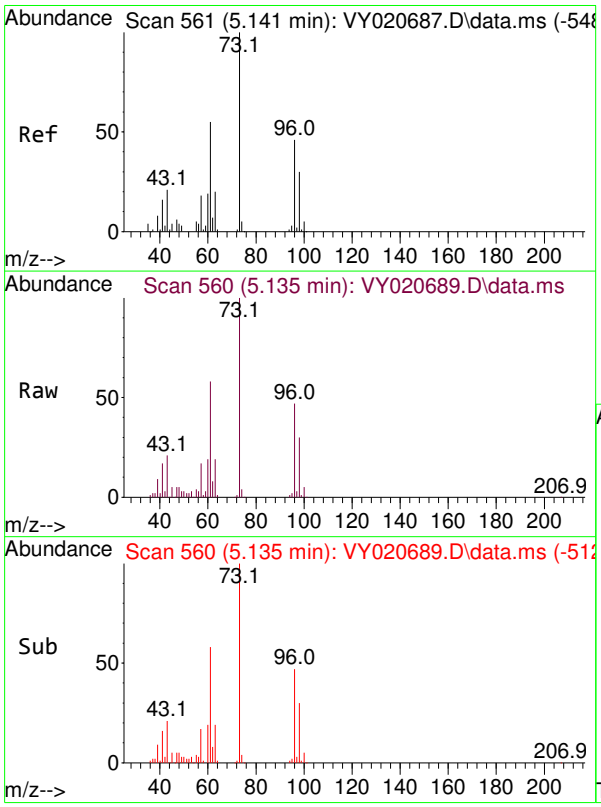


#20
Methylene Chloride
Concen: 147.834 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 84 Resp: 118243

Ion	Ratio	Lower	Upper
84	100		
49	100.8	100.7	151.1
51	31.5	32.2	48.2#
86	65.1	53.0	79.6



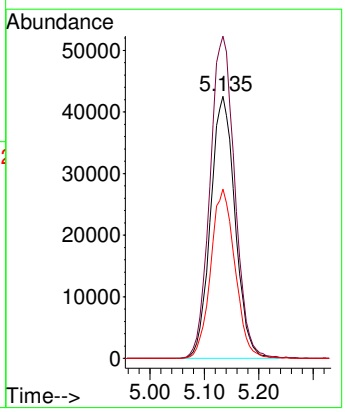


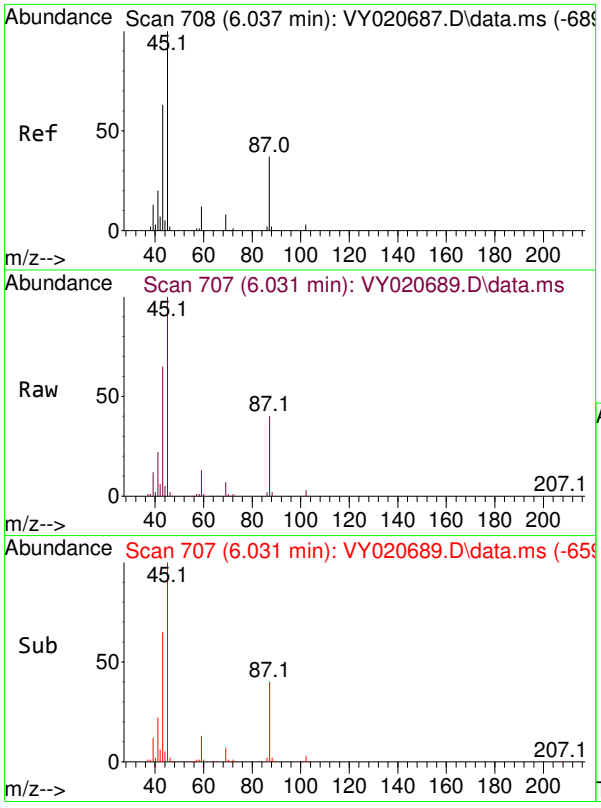
#21
trans-1,2-Dichloroethene
Concen: 155.860 ug/l
RT: 5.135 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 132986

Ion	Ratio	Lower	Upper
96	100		
61	123.0	113.7	170.5
98	64.6	51.7	77.5

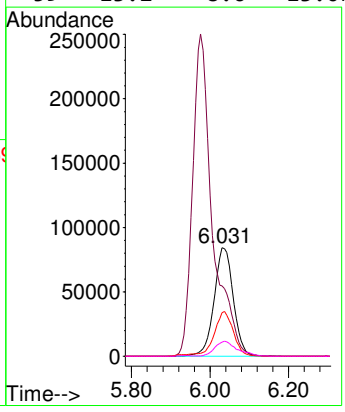


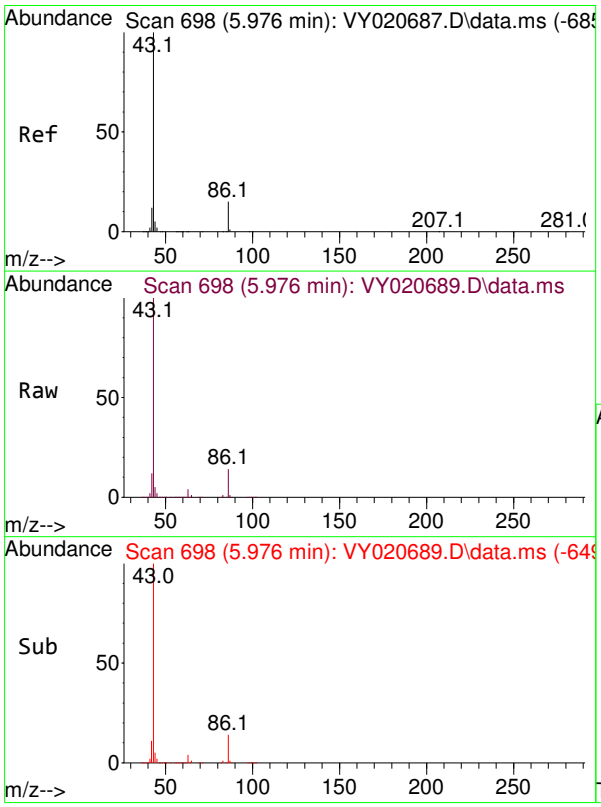


#22
Diisopropyl ether
Concen: 150.931 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 45 Resp: 286326

Ion	Ratio	Lower	Upper
45	100		
43	64.7	42.6	64.0#
87	40.1	20.6	31.0#
59	13.2	8.6	13.0#



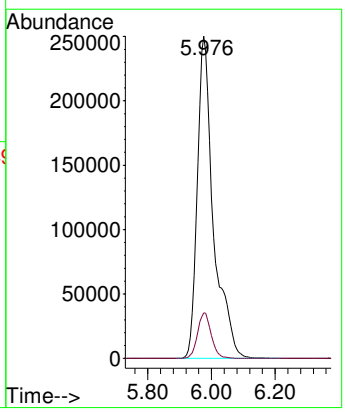


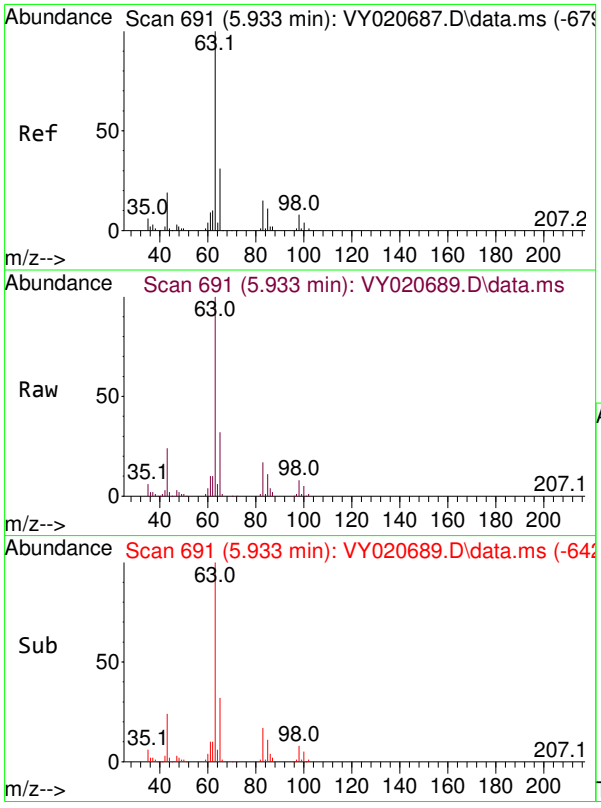
#23
Vinyl Acetate
Concen: 784.352 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 881097

Ion	Ratio	Lower	Upper
43	100		
86	14.1	8.1	12.1#

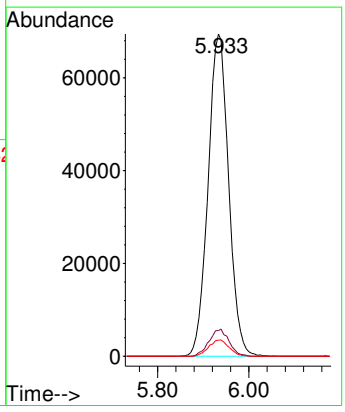


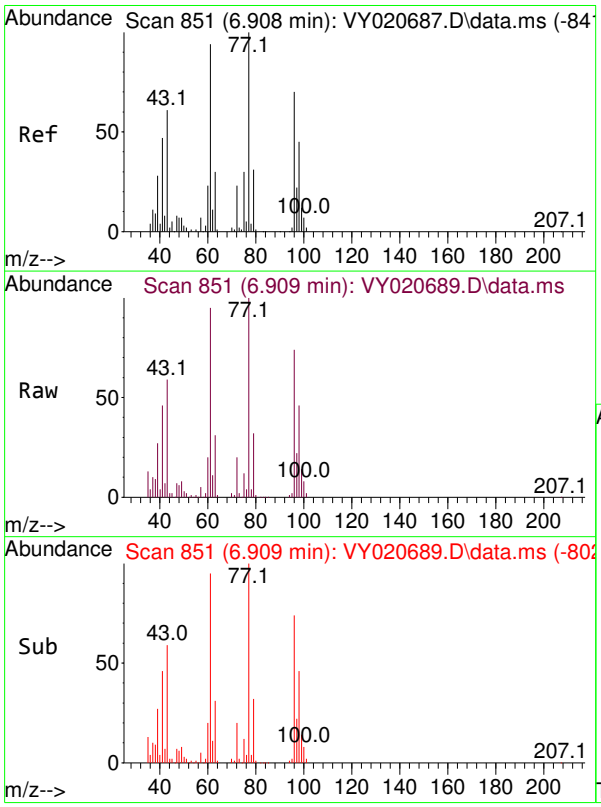


#24
1,1-Dichloroethane
Concen: 153.814 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 63 Resp: 217525

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.1
100	5.0	2.1	6.5



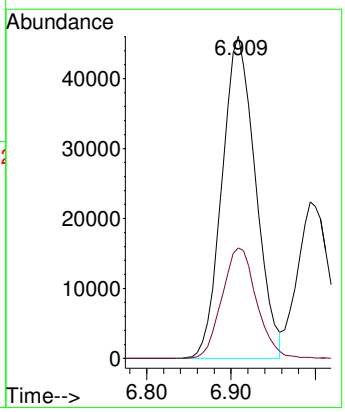


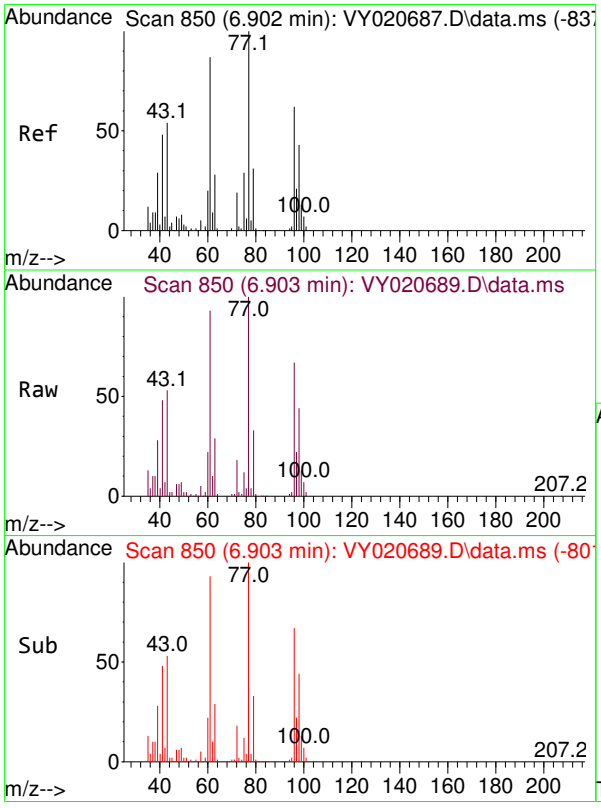
#25
2-Butanone
Concen: 754.045 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 127141

Ion	Ratio	Lower	Upper
43	100		
72	34.3	20.6	31.0#

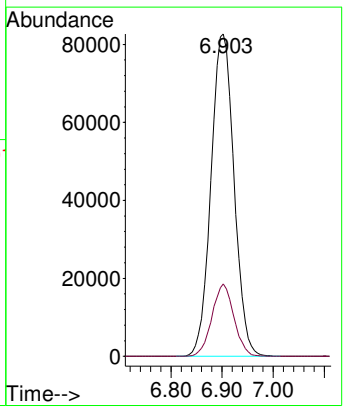


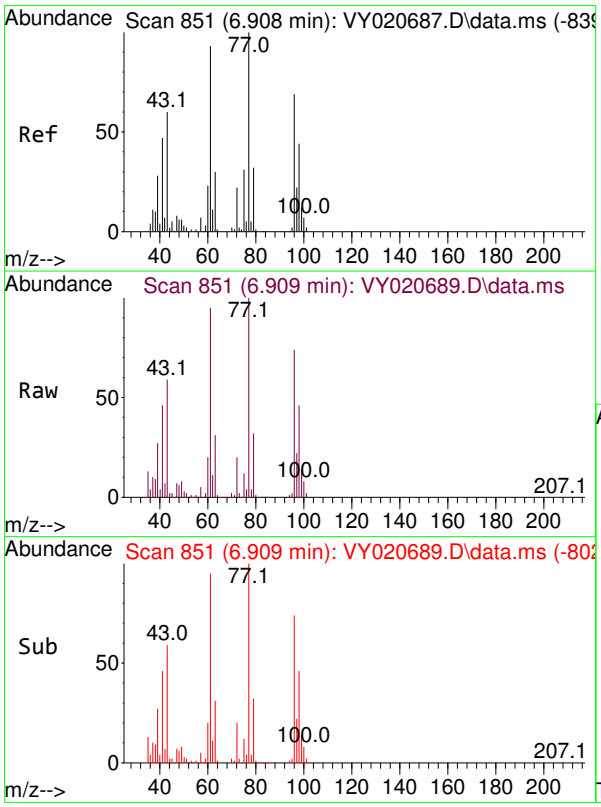


#26
2,2-Dichloropropane
Concen: 146.050 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 77 Resp: 258411

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.6



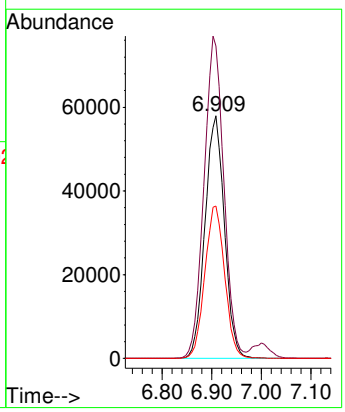


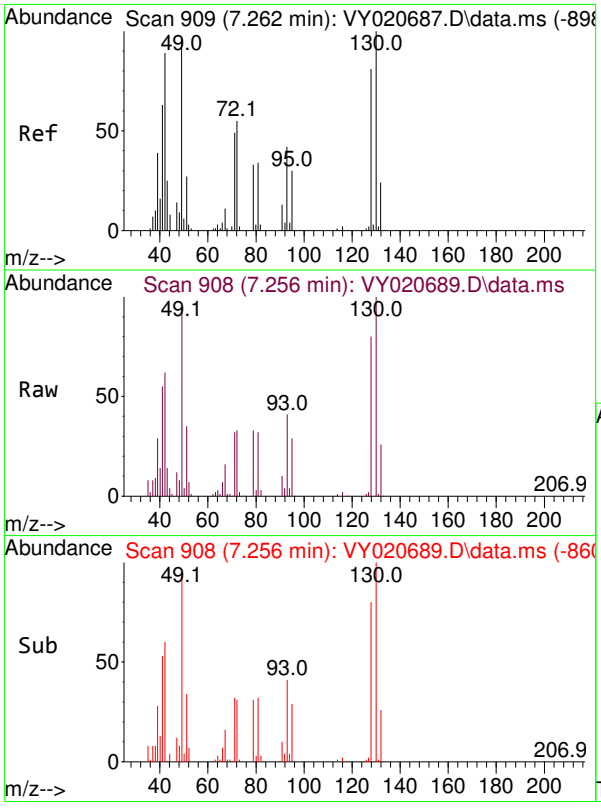
#27
cis-1,2-Dichloroethene
Concen: 154.818 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 157335

Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	306.2
98	64.3	0.0	127.2

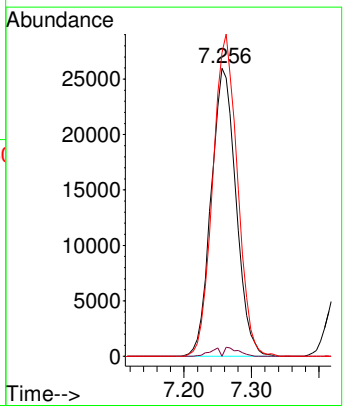


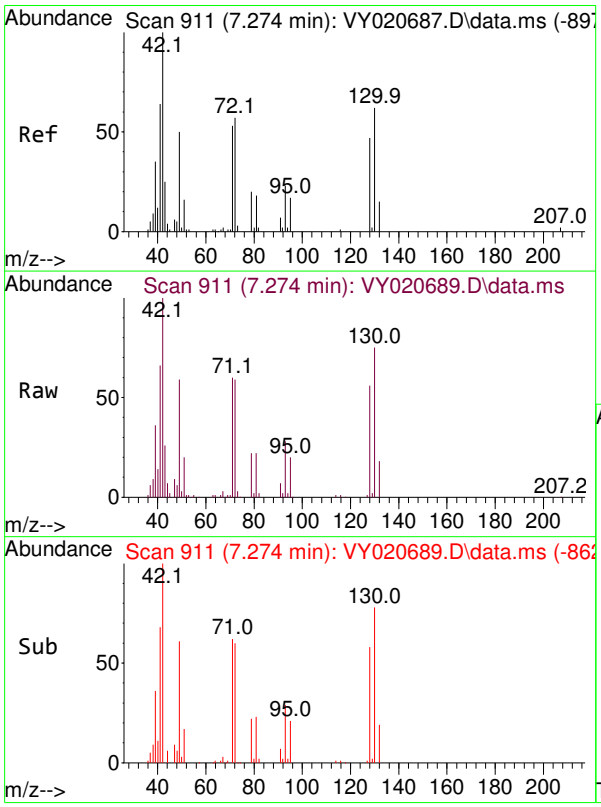


#28
Bromochloromethane
Concen: 150.678 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 49 Resp: 66534

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	110.5	58.3	87.5#



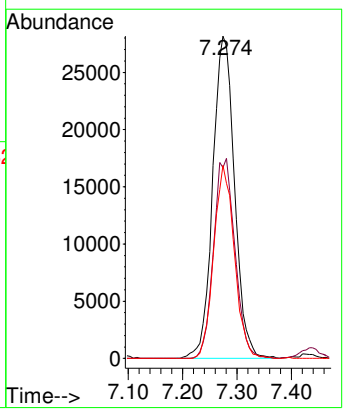


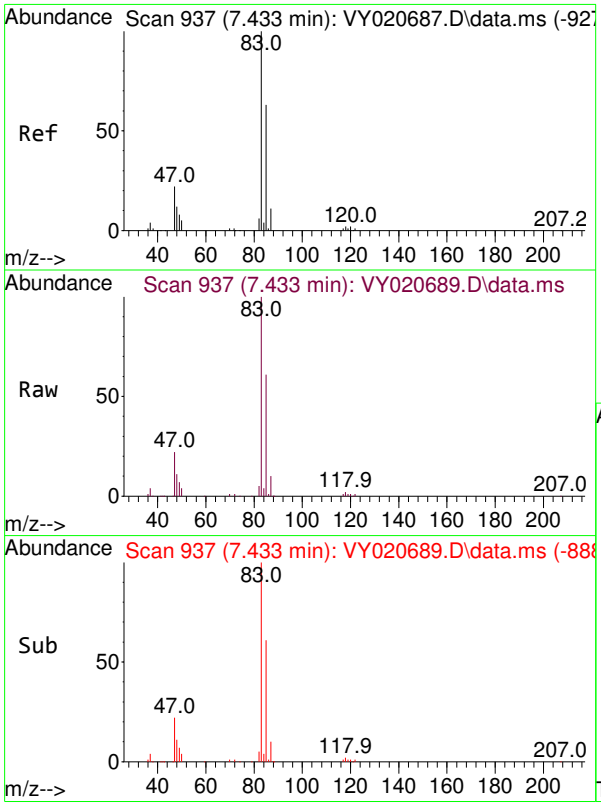
#29
Tetrahydrofuran
Concen: 788.722 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 78165

Ion	Ratio	Lower	Upper
42	100		
72	61.2	34.0	51.0#
71	56.9	31.6	47.4#

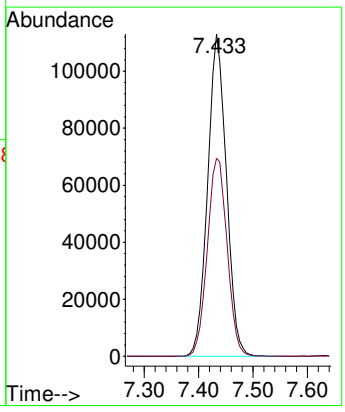


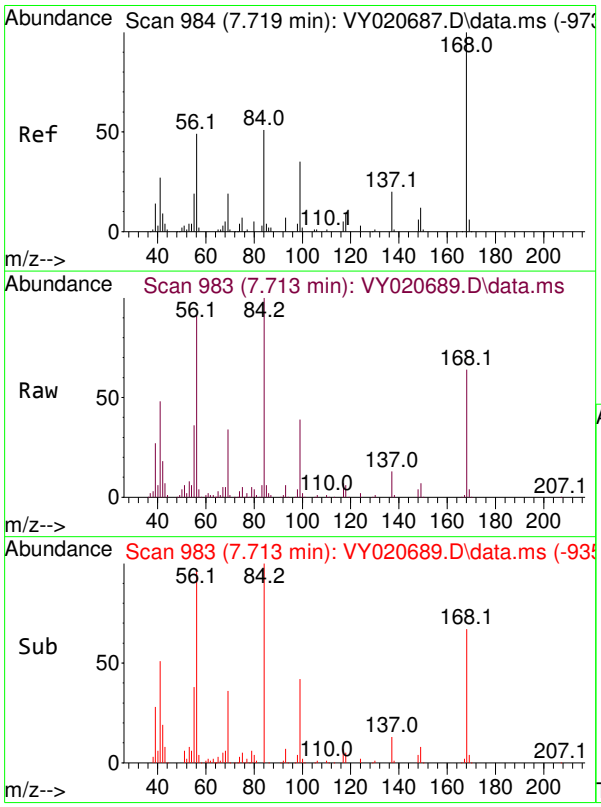


#30
Chloroform
Concen: 145.605 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 83 Resp: 270669

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.7	79.1



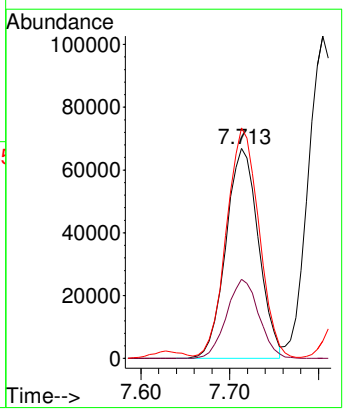


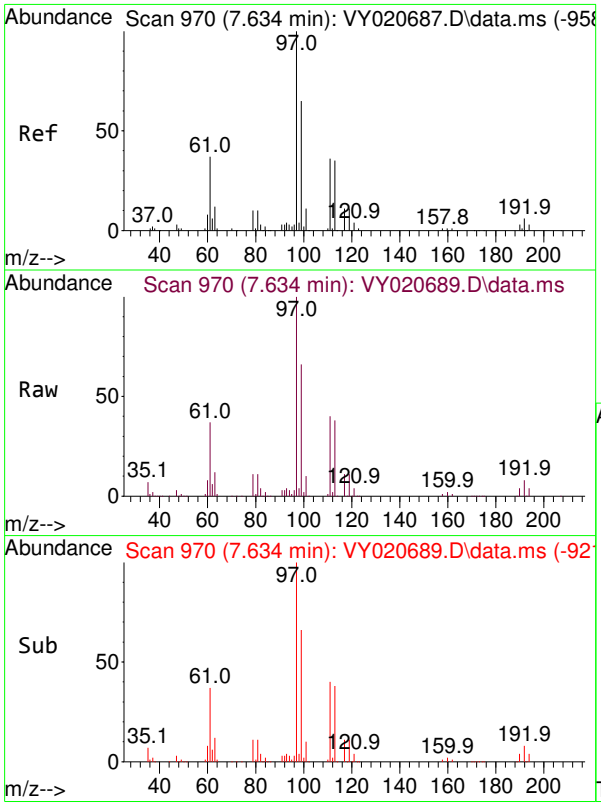
#31
Cyclohexane
Concen: 137.425 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 170404

Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.4	38.0
84	107.2	68.3	102.5#

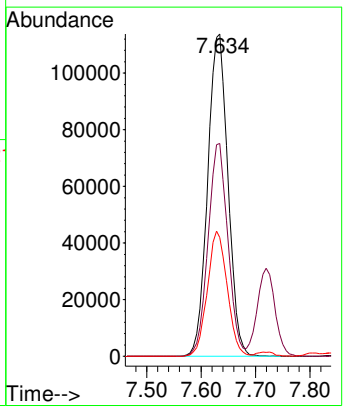


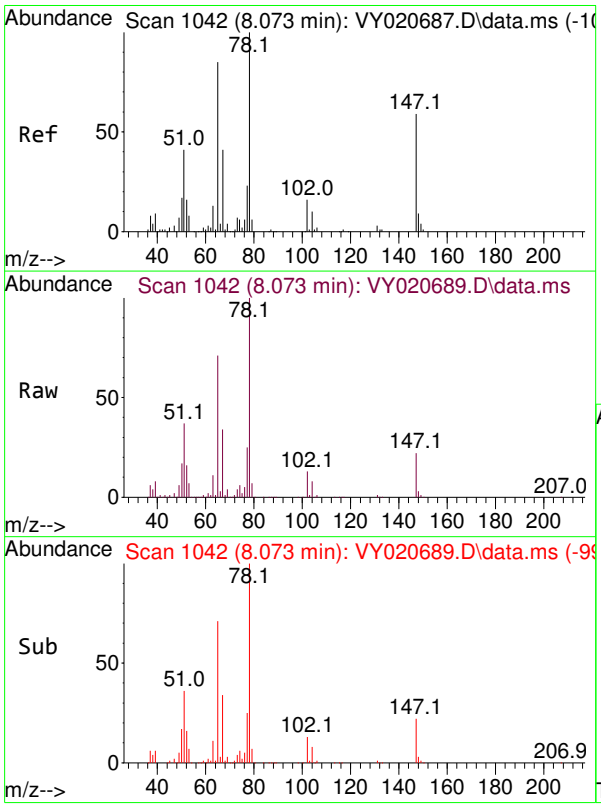


#32
1,1,1-Trichloroethane
Concen: 151.797 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 97 Resp: 294790

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	38.0	34.7	52.1



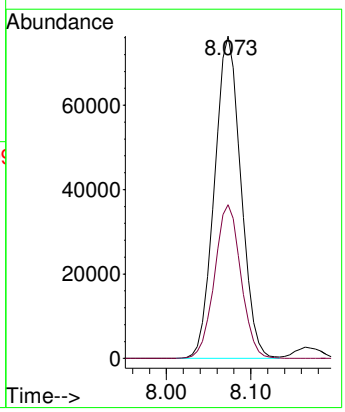


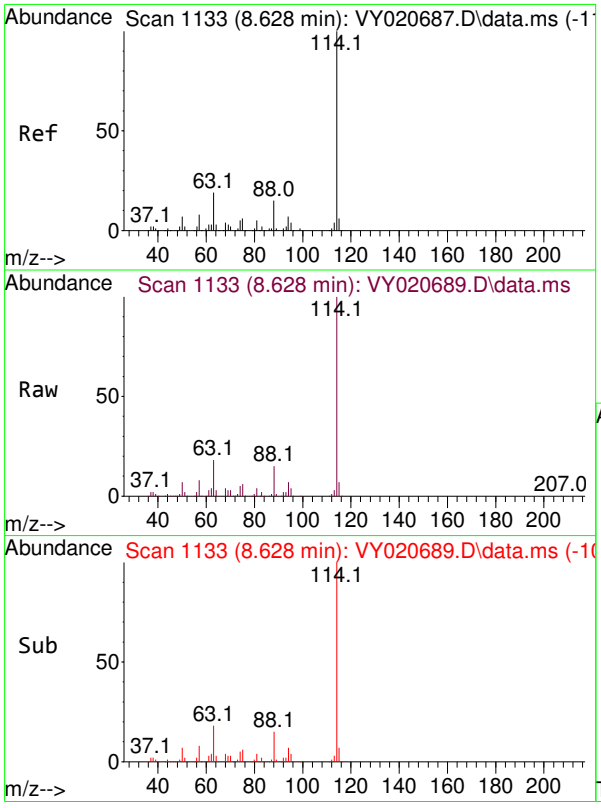
#33
1,2-Dichloroethane-d4
Concen: 158.528 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 166588

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	108.0

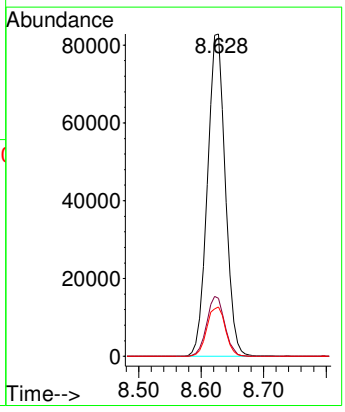


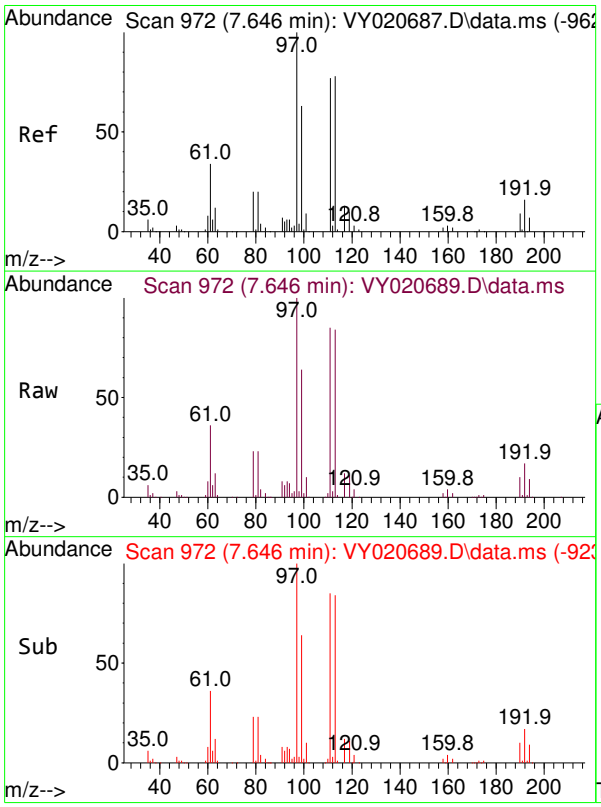


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:114 Resp: 164956

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	44.0
88	15.3	0.0	32.8



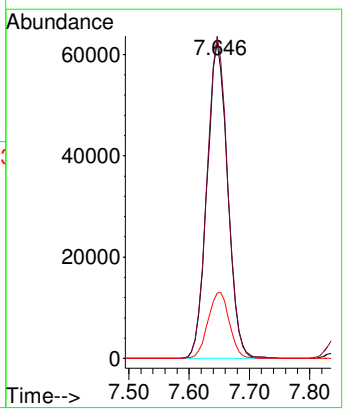


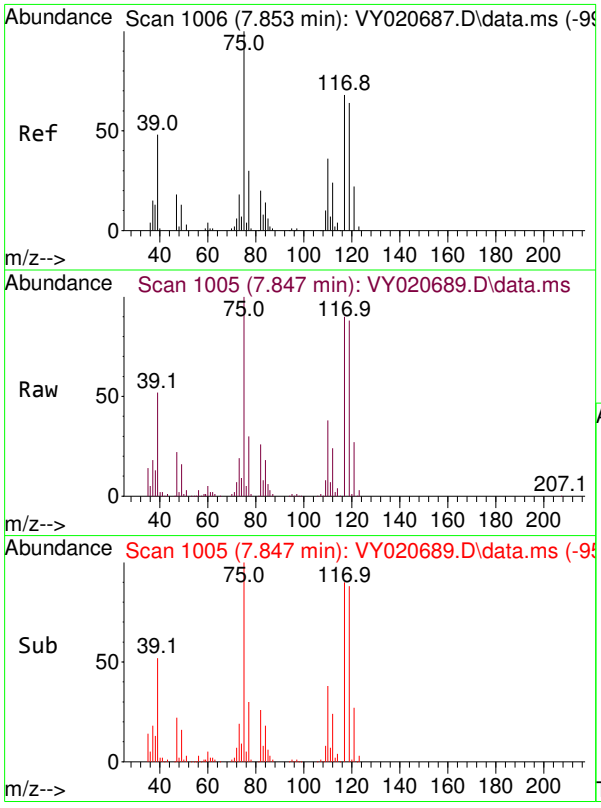
#35
Dibromofluoromethane
Concen: 152.769 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 147969

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.7	15.7	23.5

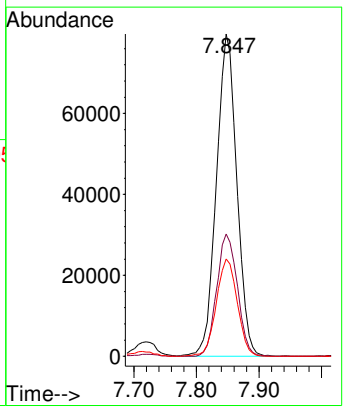


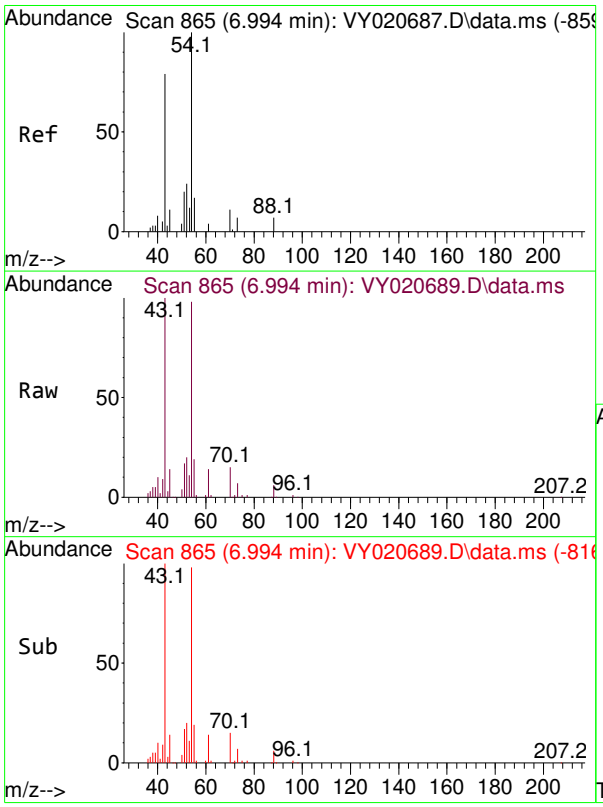


#36
1,1-Dichloropropene
Concen: 152.988 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 180118

Ion	Ratio	Lower	Upper
75	100		
110	38.3	16.8	50.4
77	31.0	25.0	37.6



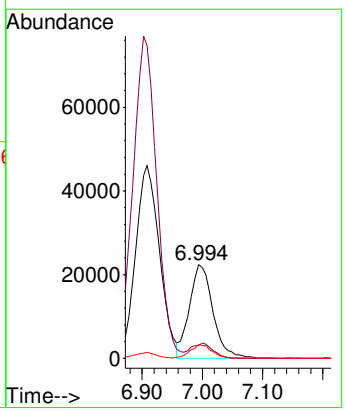


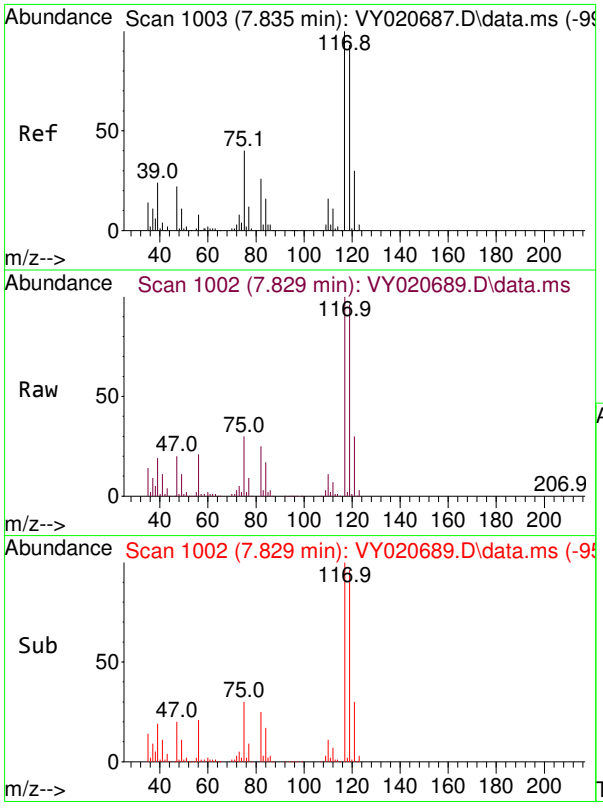
#37
Ethyl Acetate
Concen: 158.166 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 60857

Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	13.5	7.9	11.9#

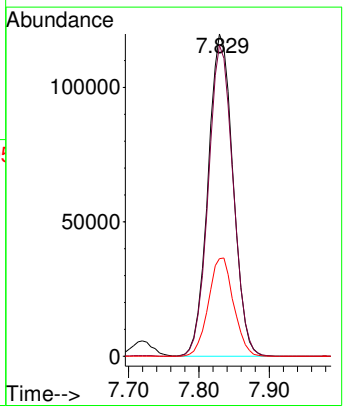


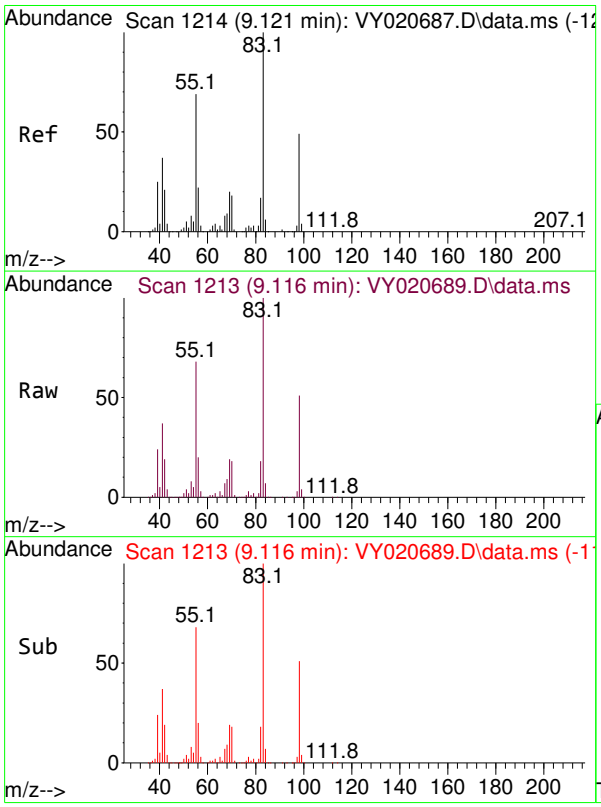


#38
Carbon Tetrachloride
Concen: 154.972 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:117 Resp: 295253

Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.3	117.5
121	30.3	25.1	37.7



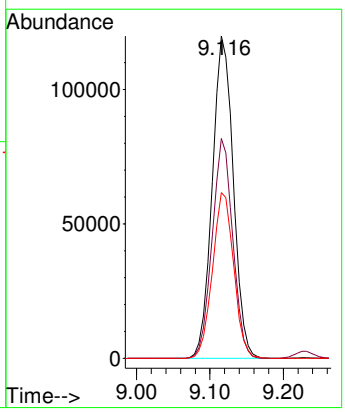


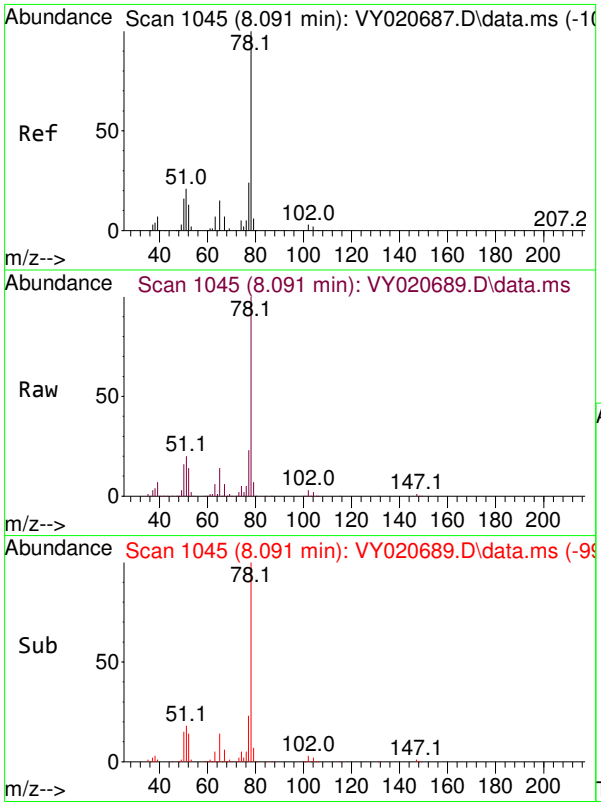
#39
Methylcyclohexane
Concen: 158.923 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 237823

Ion	Ratio	Lower	Upper
83	100		
55	68.2	61.4	92.0
98	51.4	37.3	55.9

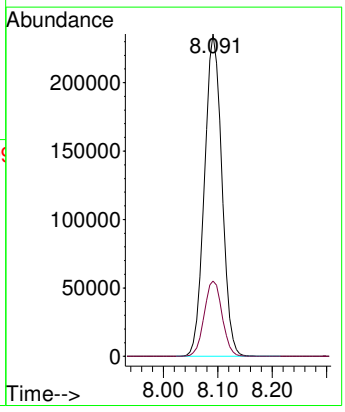


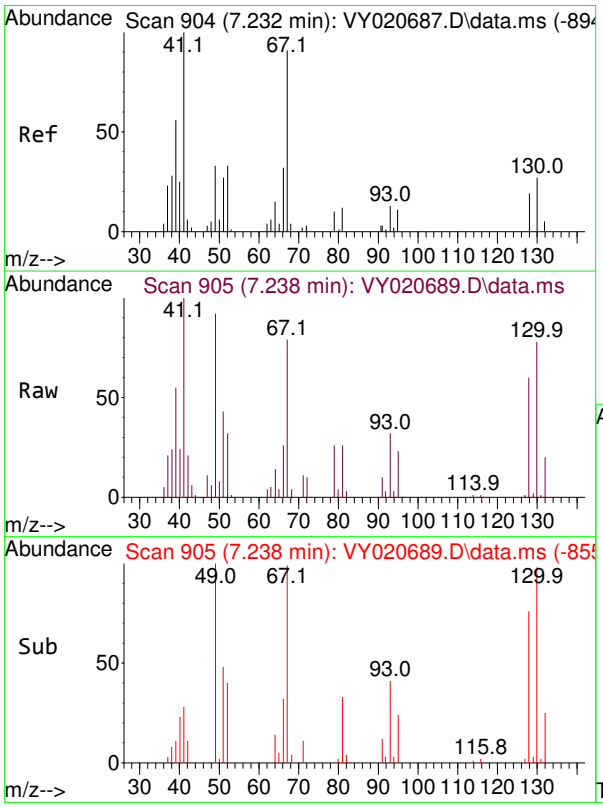


#40
Benzene
Concen: 154.222 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 78 Resp: 523806

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1



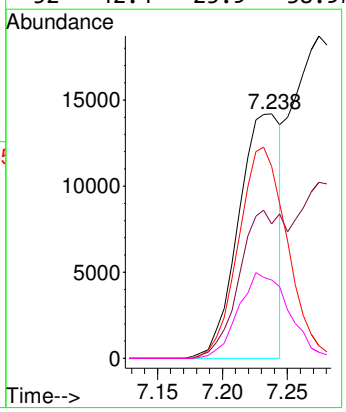


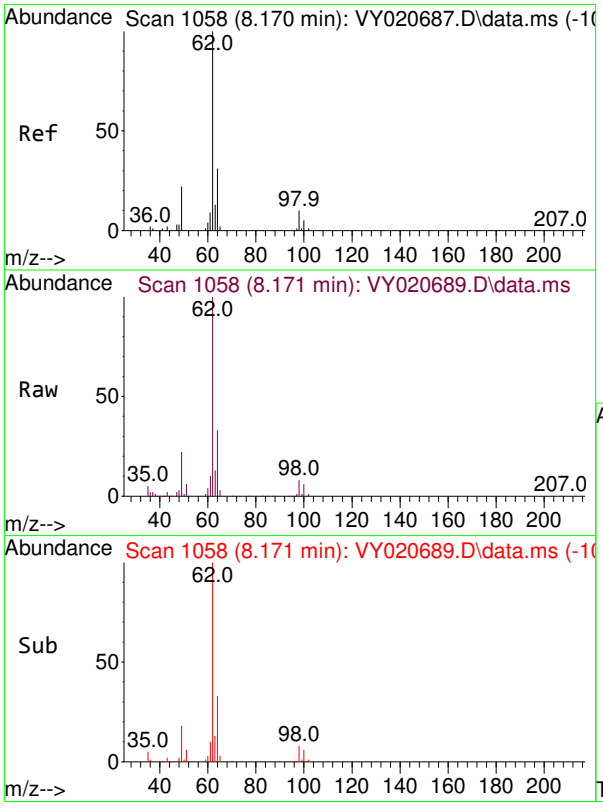
#41
Methacrylonitrile
Concen: 146.421 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 31885

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.6	80.4
67	100.2	62.0	93.0#
52	42.4	25.9	38.9#

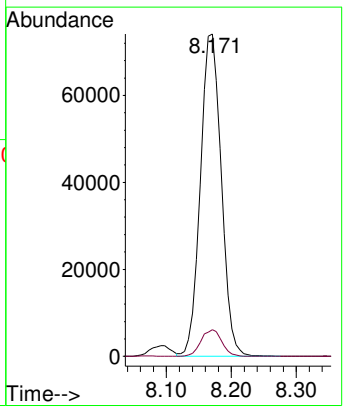


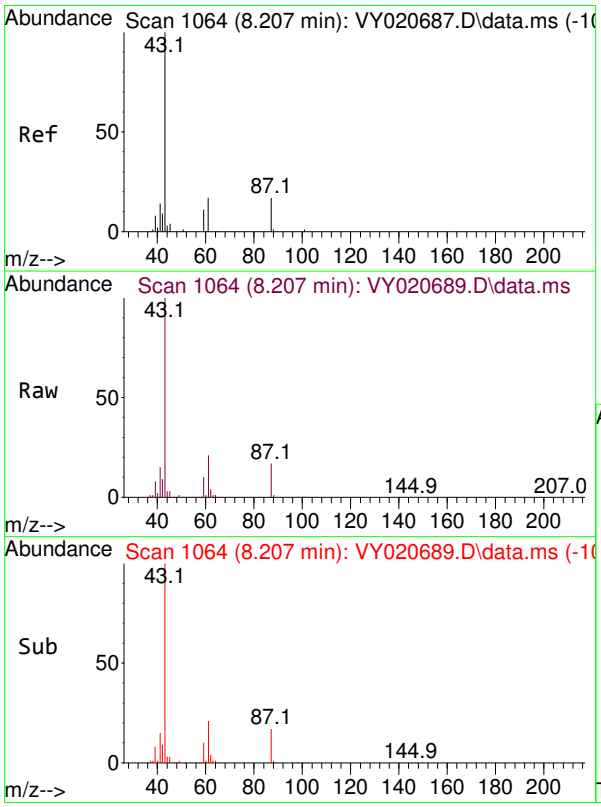


#42
1,2-Dichloroethane
Concen: 153.149 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 62 Resp: 165429

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.0



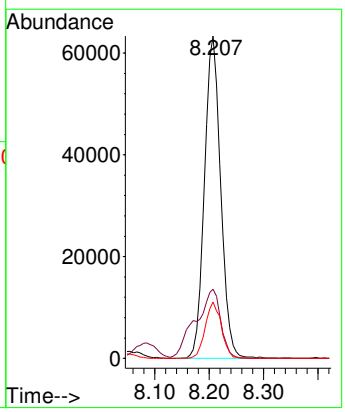


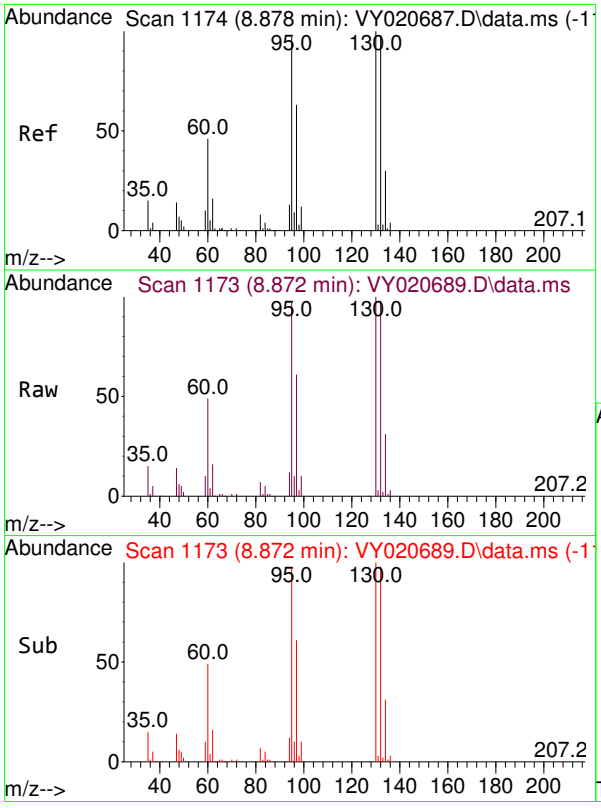
#43
Isopropyl Acetate
Concen: 164.314 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 131403

Ion	Ratio	Lower	Upper
43	100		
61	33.2	23.8	35.6
87	17.5	10.2	15.4#

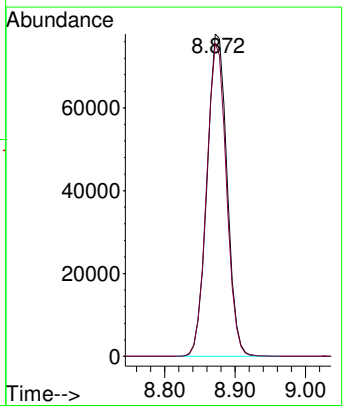


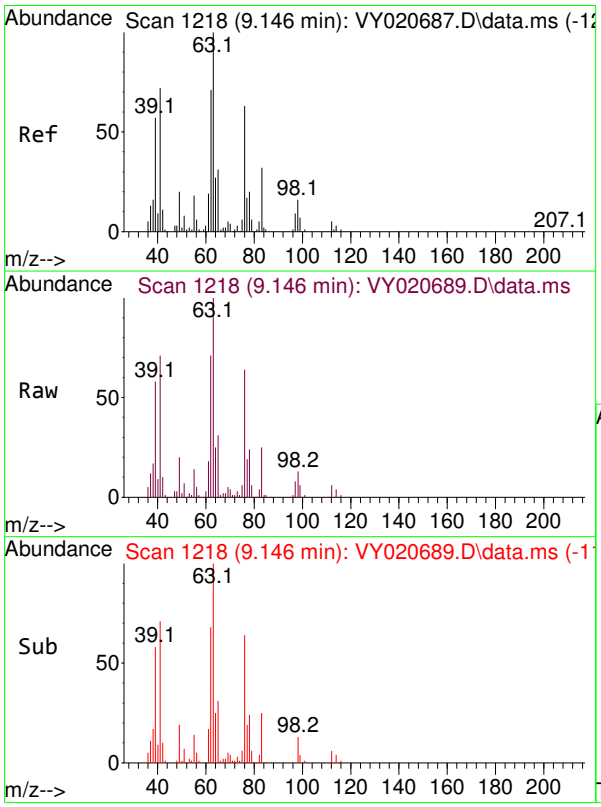


#44
Trichloroethene
Concen: 151.961 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:130 Resp: 153176

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	203.2



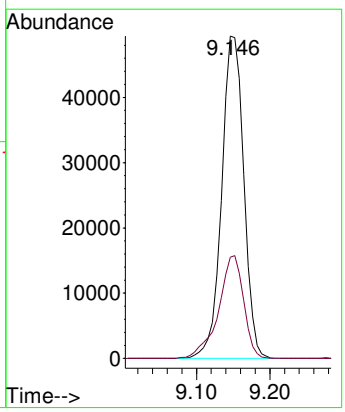


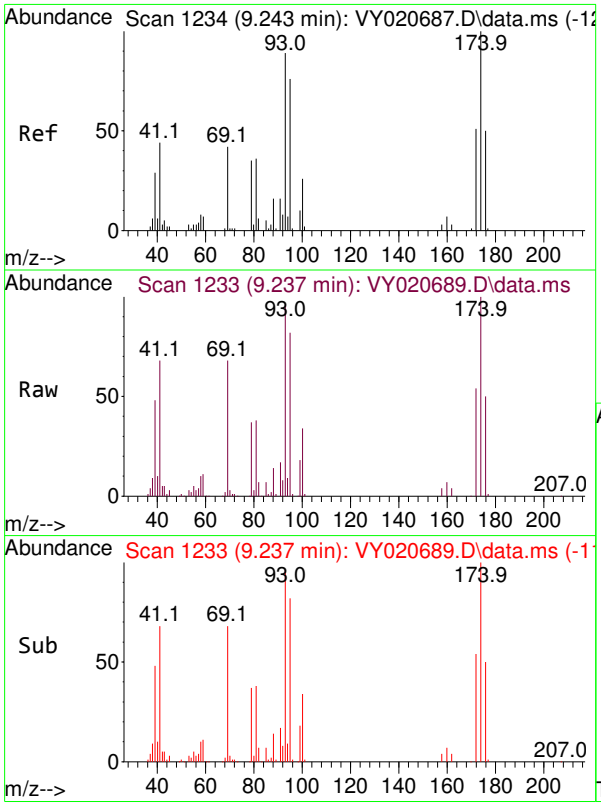
#45
1,2-Dichloropropane
Concen: 154.651 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 103202

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9

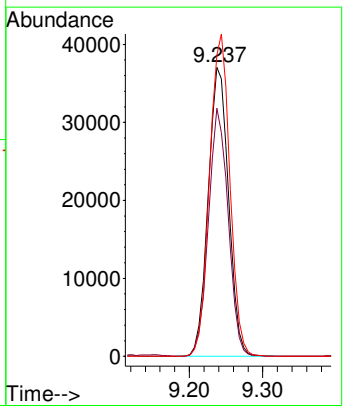


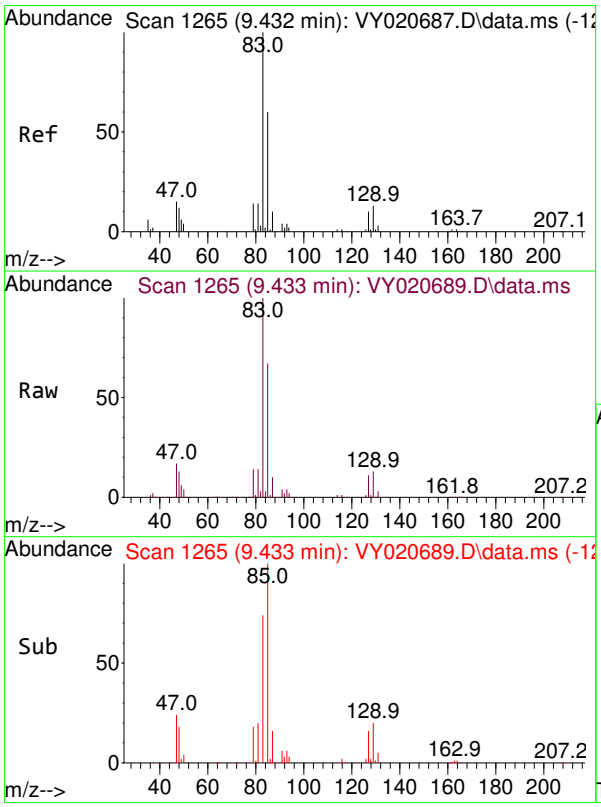


#46
Dibromomethane
Concen: 154.707 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 93 Resp: 71272

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	111.1	77.8	116.6



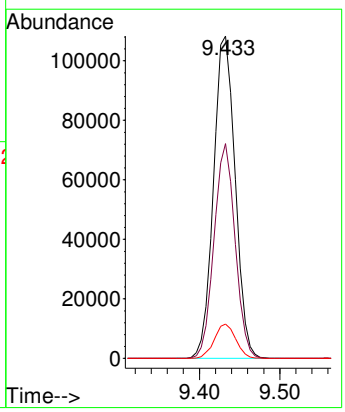


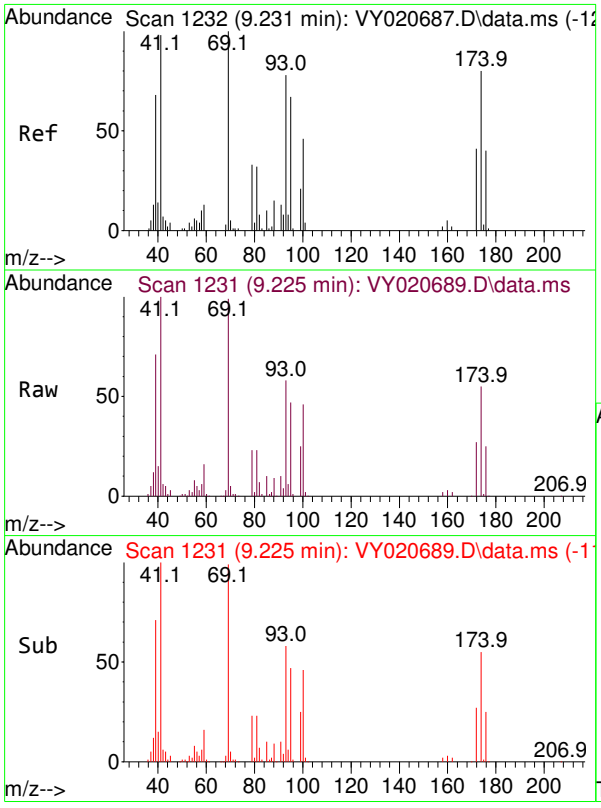
#47
Bromodichloromethane
Concen: 155.020 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 202588

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1
127	10.6	6.7	10.1#

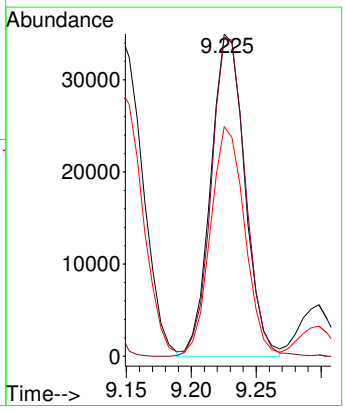


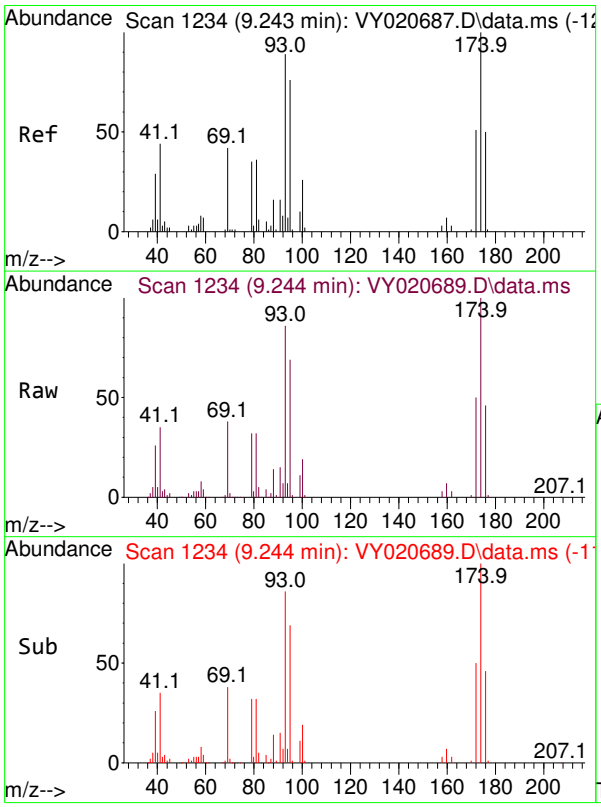


#48
Methyl methacrylate
Concen: 167.633 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 41 Resp: 63549

Ion	Ratio	Lower	Upper
41	100		
69	98.9	67.2	100.8
39	69.0	42.2	63.4#



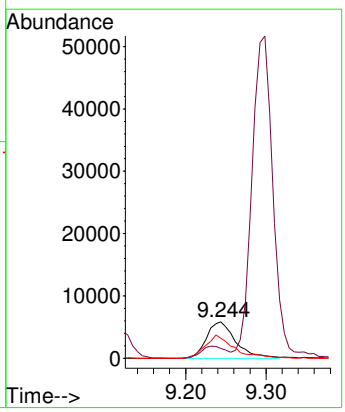


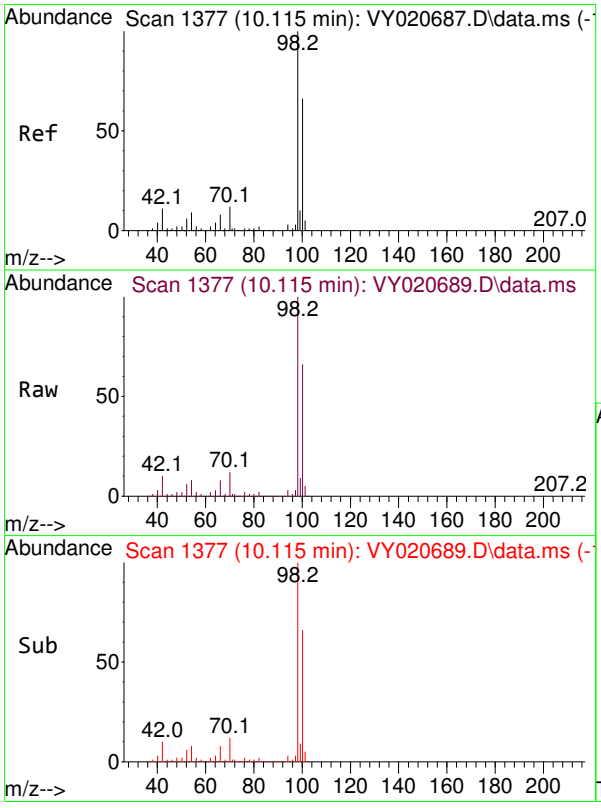
#49
1,4-Dioxane
Concen: 3074.487 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 14771

Ion	Ratio	Lower	Upper
88	100		
43	29.0	27.6	41.4
58	63.3	61.7	92.5

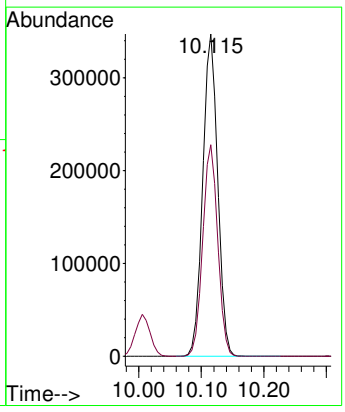


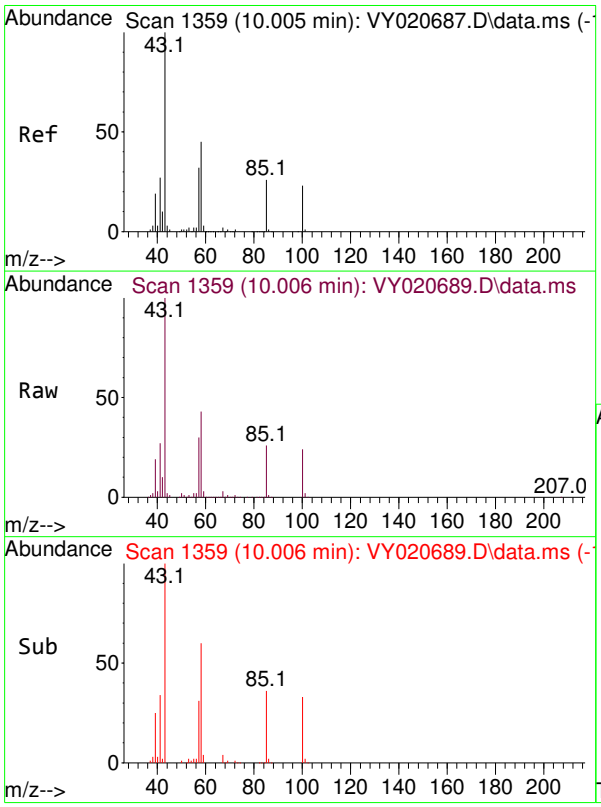


#50
Toluene-d8
Concen: 165.125 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 98 Resp: 580903

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1



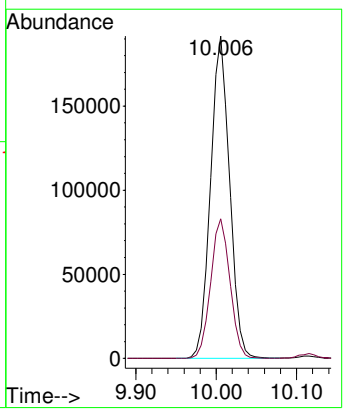


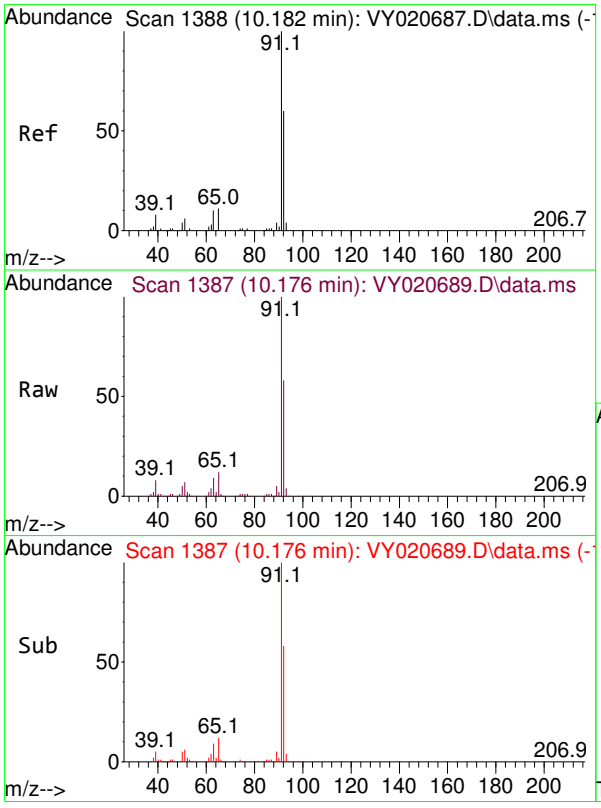
#51
4-Methyl-2-Pentanone
Concen: 788.748 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 315090

Ion	Ratio	Lower	Upper
43	100		
58	43.9	31.4	47.2

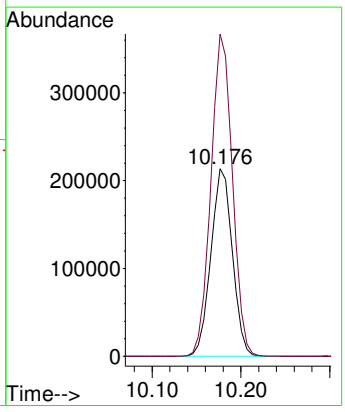


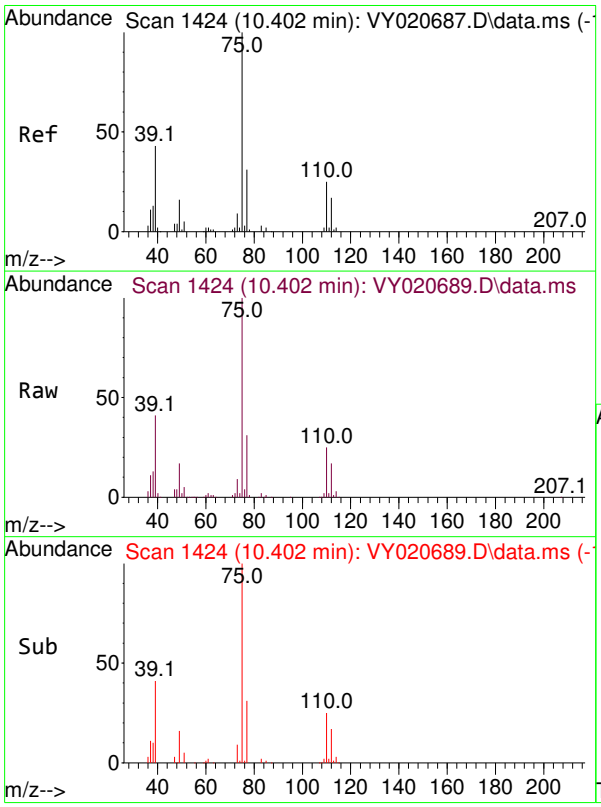


#52
Toluene
Concen: 155.908 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 92 Resp: 360597

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.4	206.0



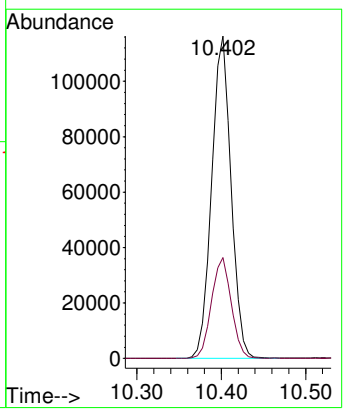


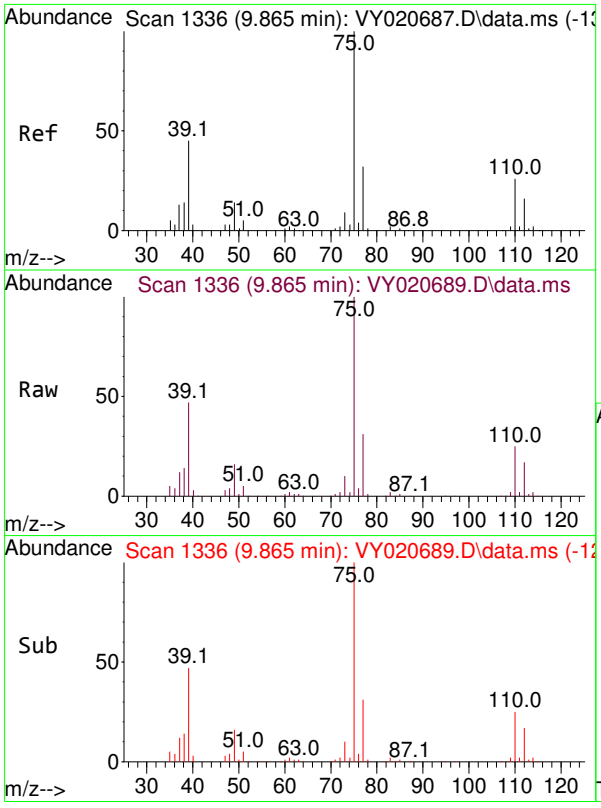
#53
t-1,3-Dichloropropene
Concen: 161.029 ug/l
RT: 10.402 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 186208

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

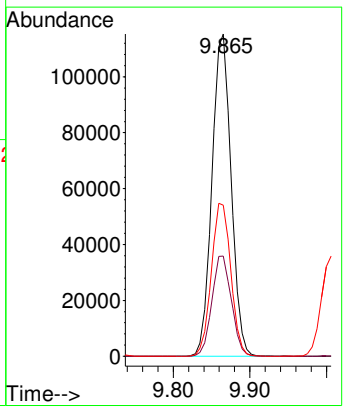


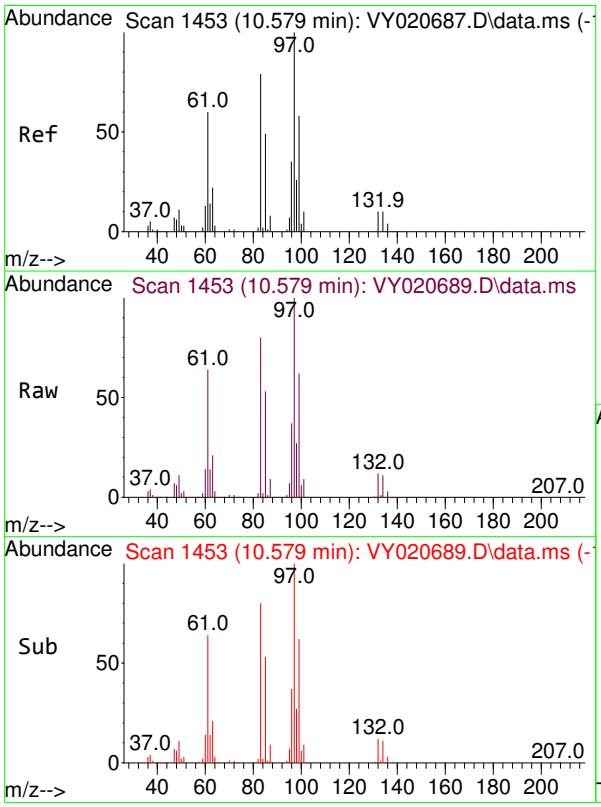


#54
cis-1,3-Dichloropropene
Concen: 157.228 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 200337

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	46.8	36.4	54.6



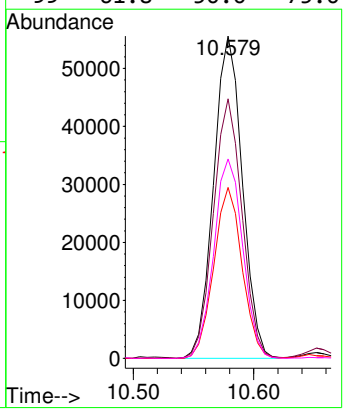


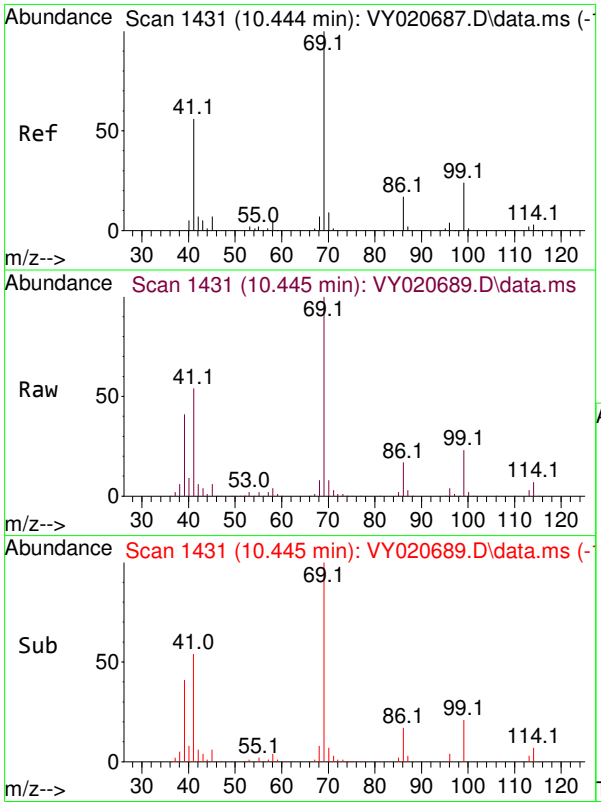
#55
1,1,2-Trichloroethane
Concen: 154.039 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 91887

Ion	Ratio	Lower	Upper
97	100		
83	80.5	70.4	105.6
85	53.0	47.2	70.8
99	61.8	50.0	75.0

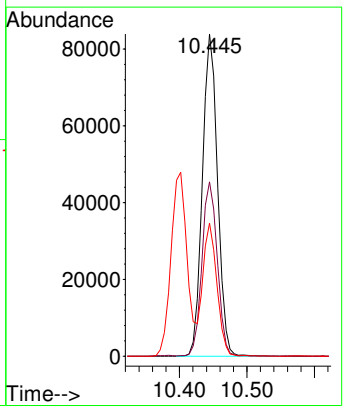


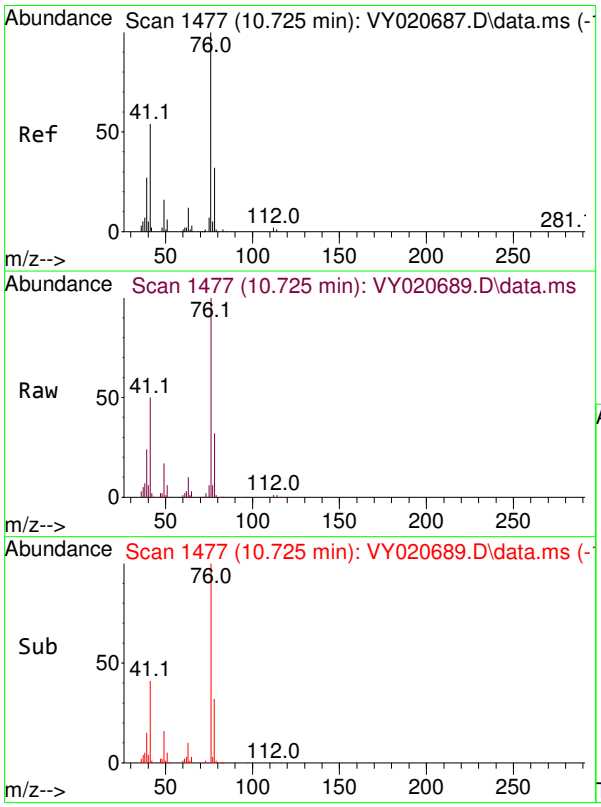


#56
Ethyl methacrylate
Concen: 171.265 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 69 Resp: 130318

Ion	Ratio	Lower	Upper
69	100		
41	54.7	54.0	81.0
39	38.0	27.9	41.9



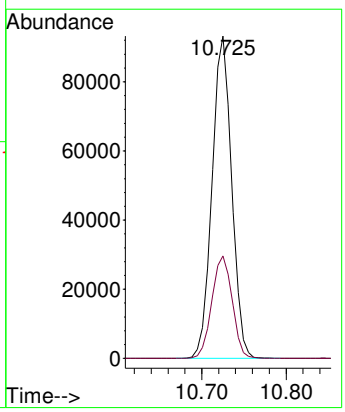


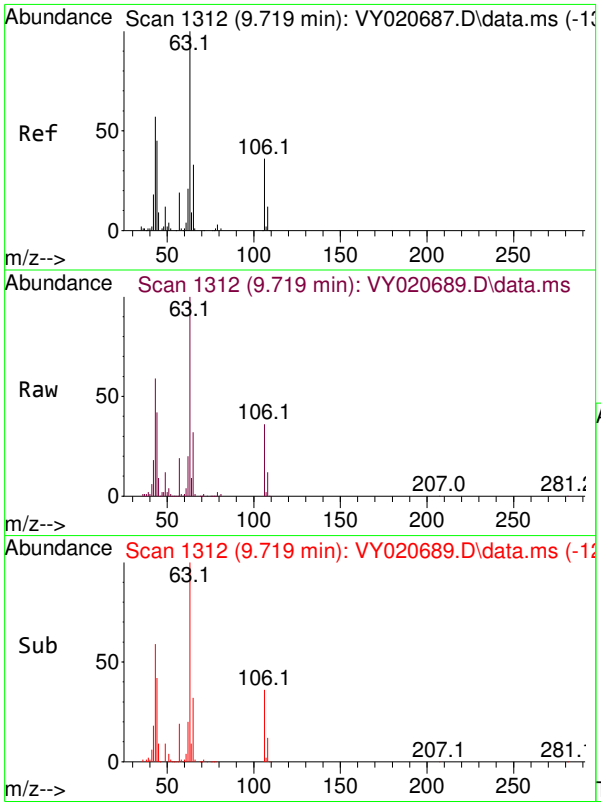
#57
1,3-Dichloropropane
Concen: 154.887 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 151026

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

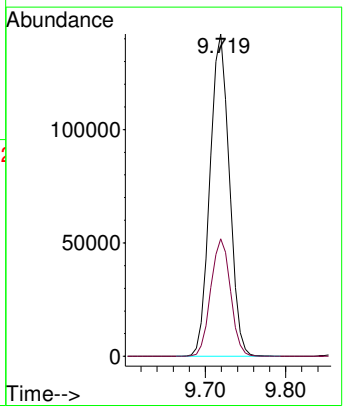


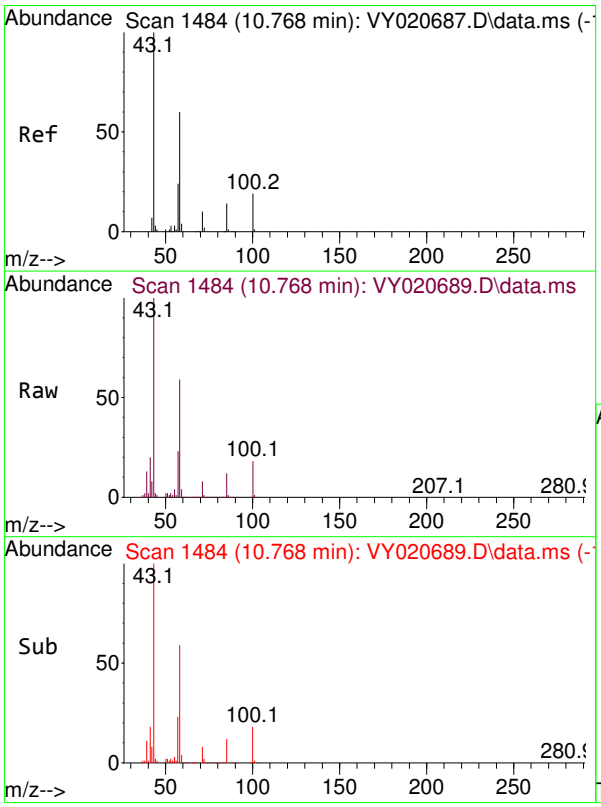


#58
2-Chloroethyl Vinyl ether
Concen: 838.195 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 63 Resp: 238338

Ion	Ratio	Lower	Upper
63	100		
106	36.9	21.5	32.3#



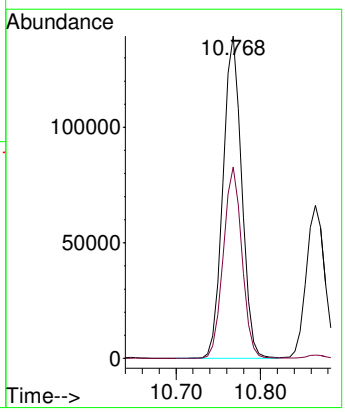


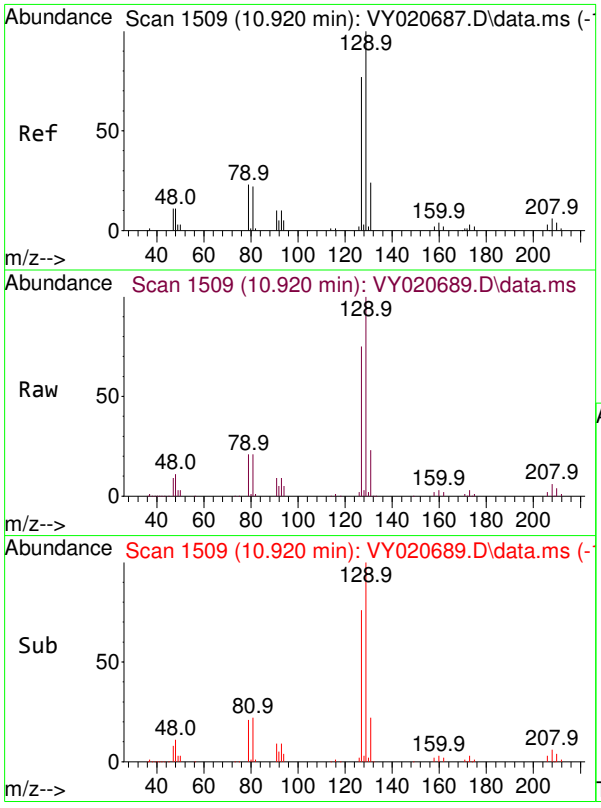
#59
2-Hexanone
Concen: 847.520 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 215657

Ion	Ratio	Lower	Upper
43	100		
58	59.0	27.2	81.6

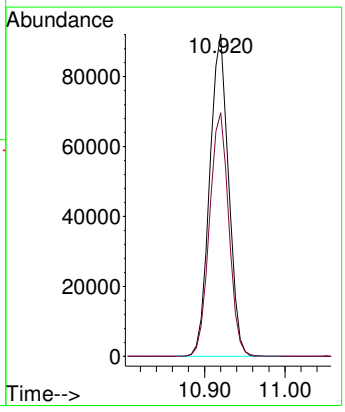


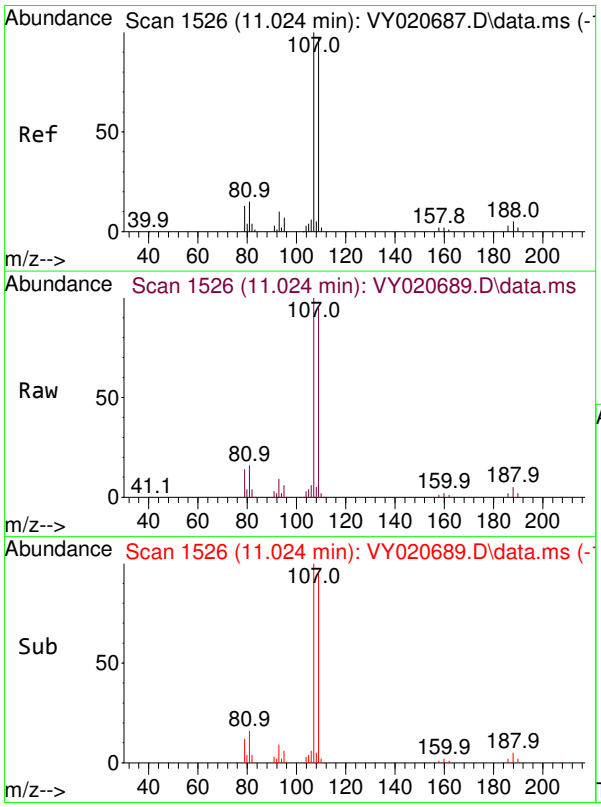


#60
Dibromochloromethane
Concen: 157.377 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:129 Resp: 149883

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3



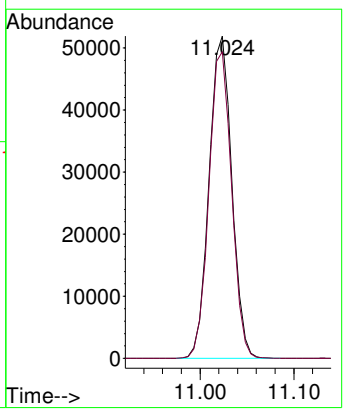


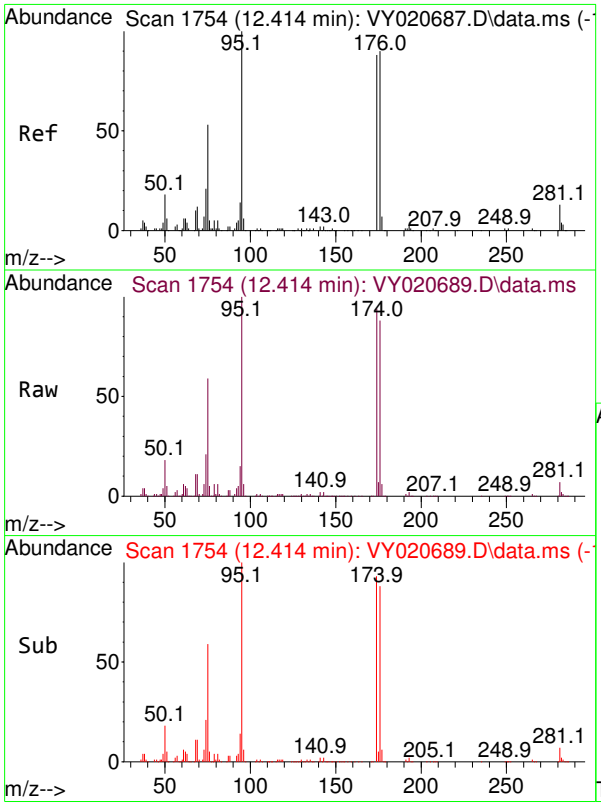
#61
1,2-Dibromoethane
Concen: 156.108 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 87299

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2

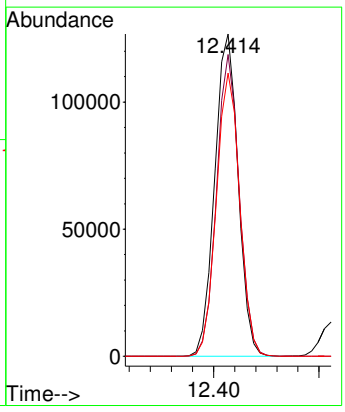


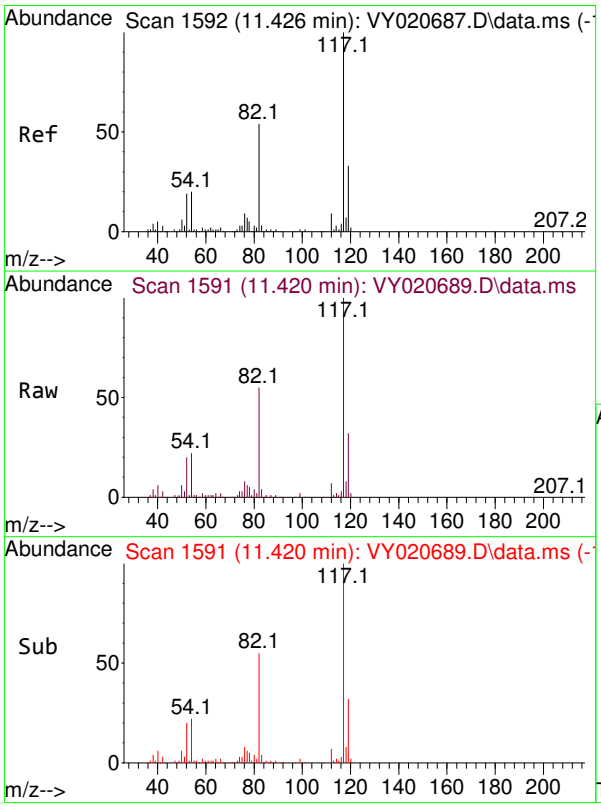


#62
4-Bromofluorobenzene
Concen: 153.160 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 95 Resp: 196112

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	161.8
176	87.5	0.0	156.6



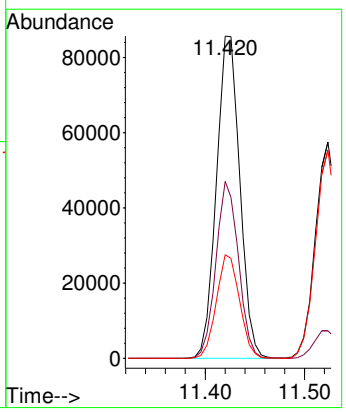


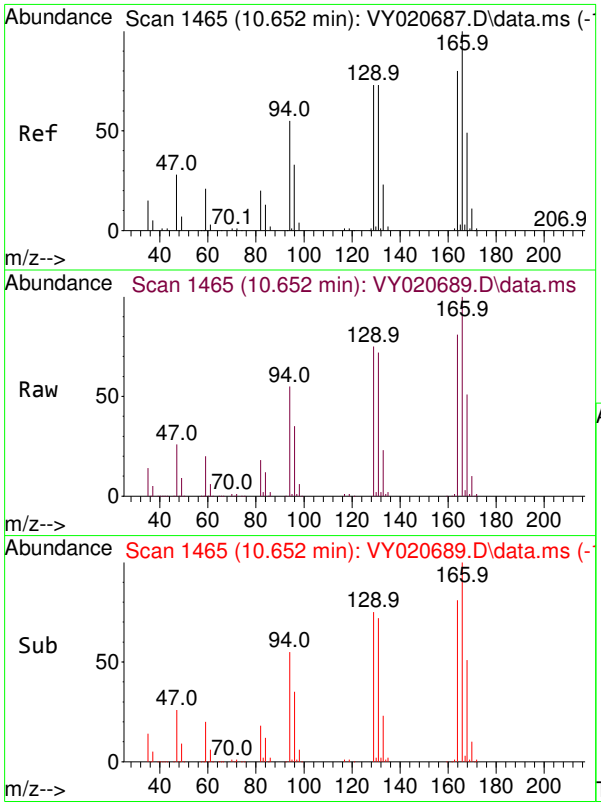
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 141375

Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.8	68.6
119	32.2	25.3	37.9

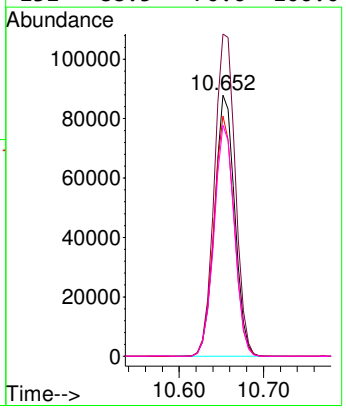


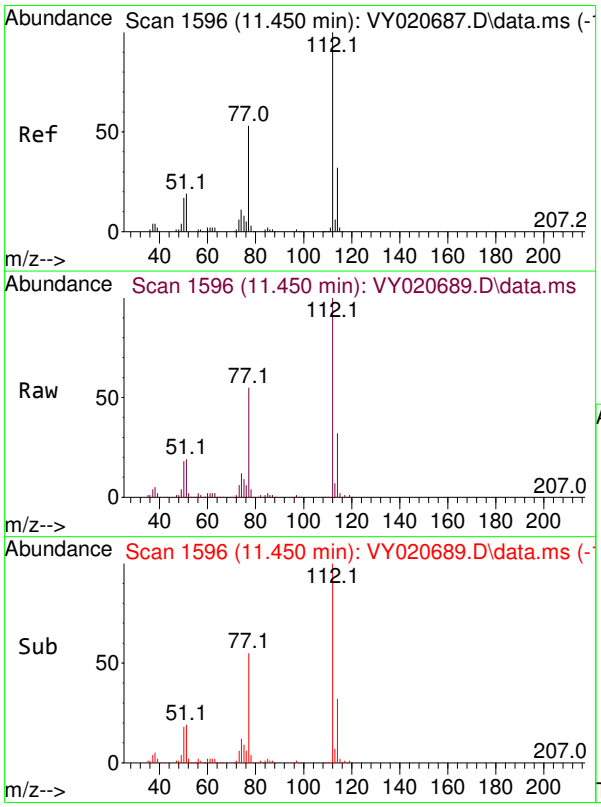


#64
Tetrachloroethene
Concen: 156.096 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:164 Resp: 146561

Ion	Ratio	Lower	Upper
164	100		
166	123.5	97.9	146.9
129	92.1	73.4	110.0
131	88.5	70.6	106.0



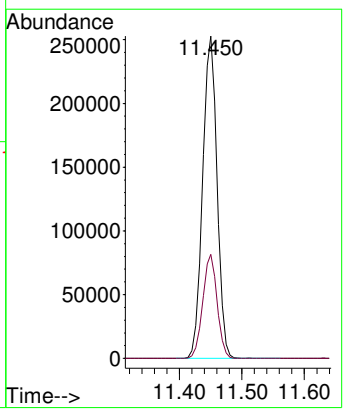


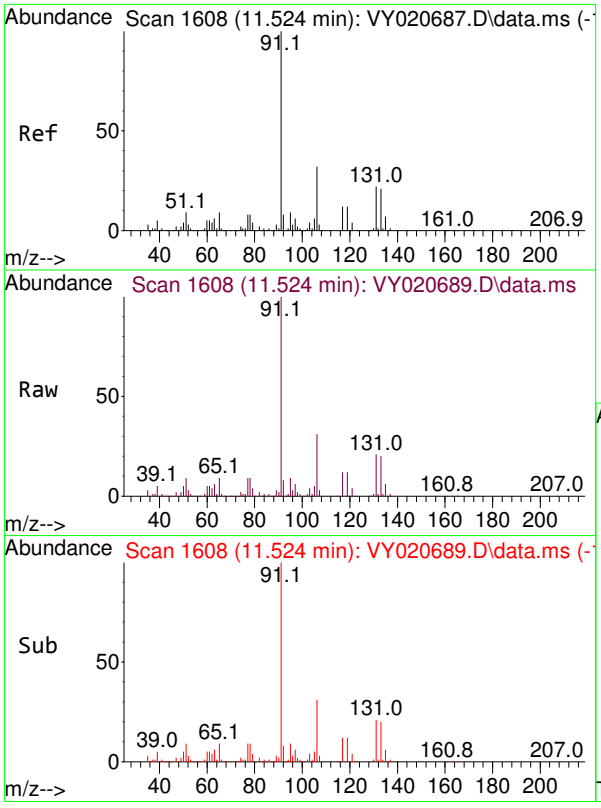
#65
Chlorobenzene
Concen: 154.283 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 407595

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

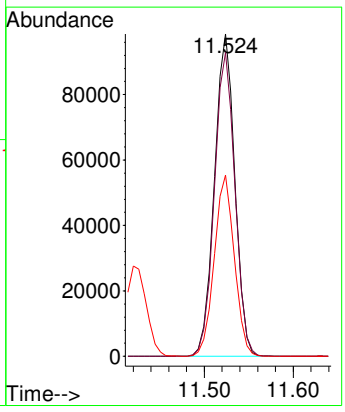


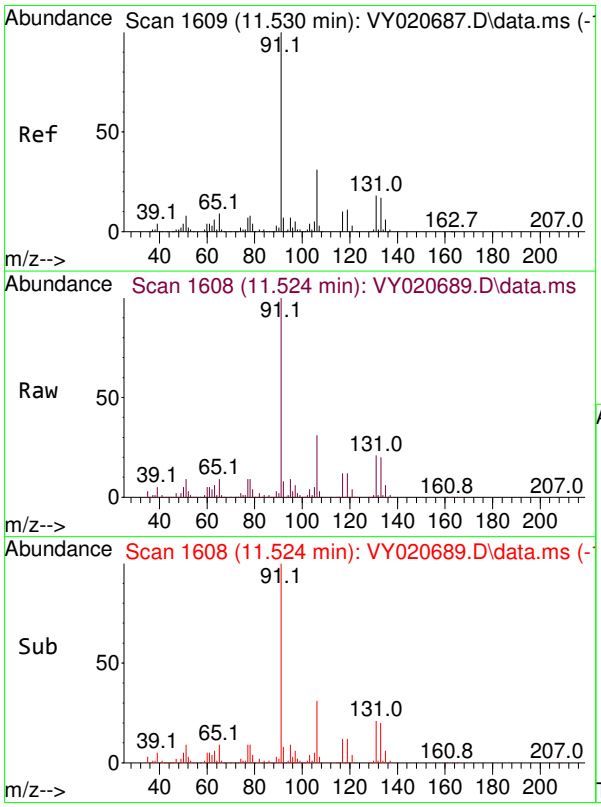


#66
1,1,1,2-Tetrachloroethane
Concen: 153.146 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:131 Resp: 157994

Ion	Ratio	Lower	Upper
131	100		
133	95.0	46.8	140.3
119	55.4	31.8	95.3



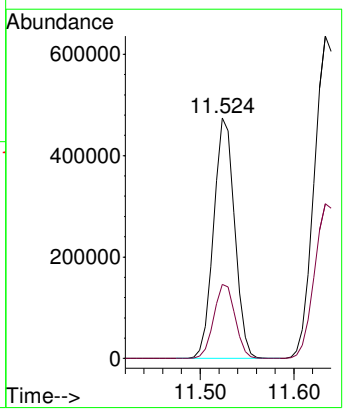


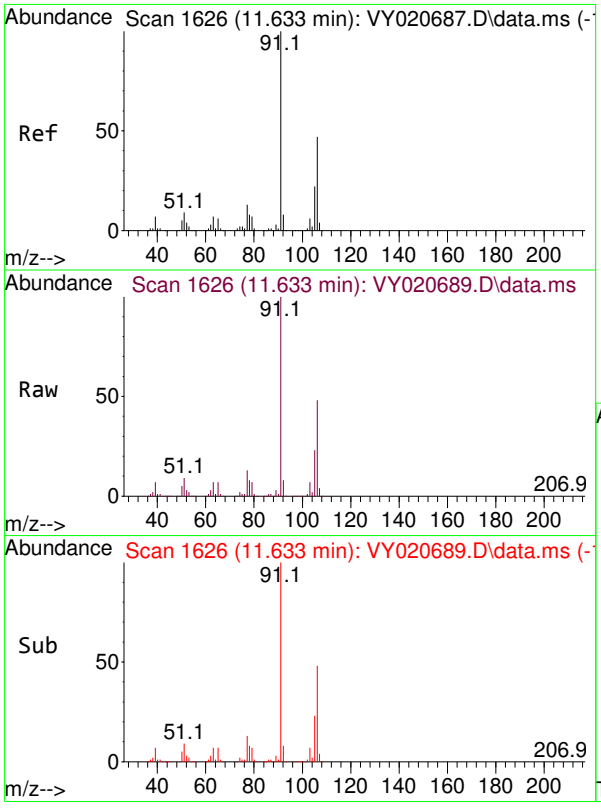
#67
Ethyl Benzene
Concen: 154.917 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 734276

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

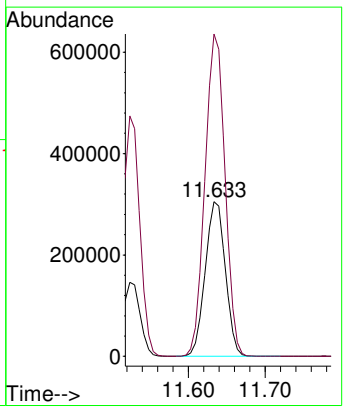


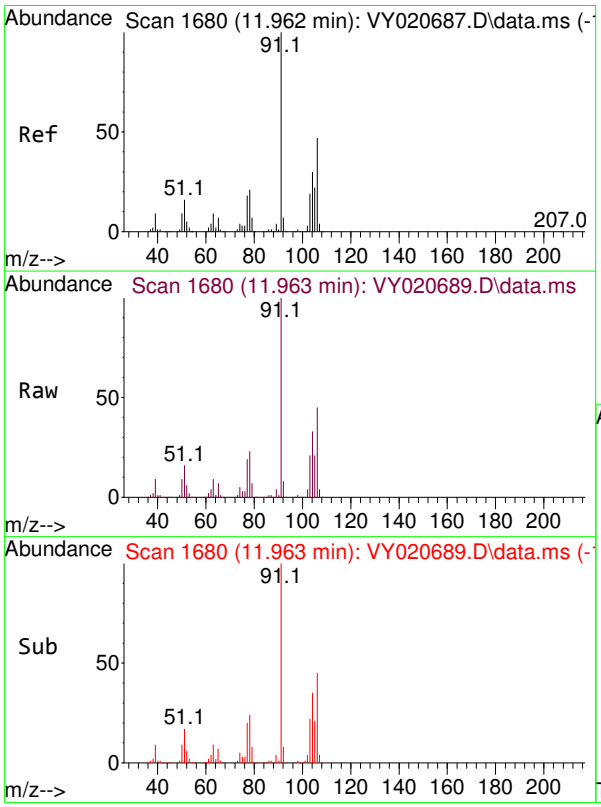


#68
m/p-Xylenes
Concen: 308.089 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:106 Resp: 556852

Ion	Ratio	Lower	Upper
106	100		
91	207.6	165.0	247.4



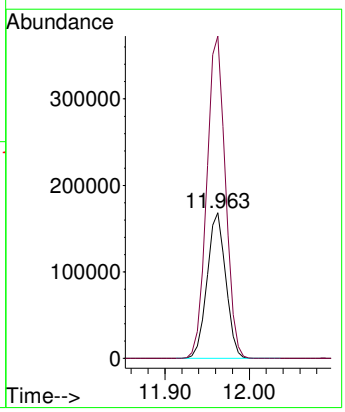


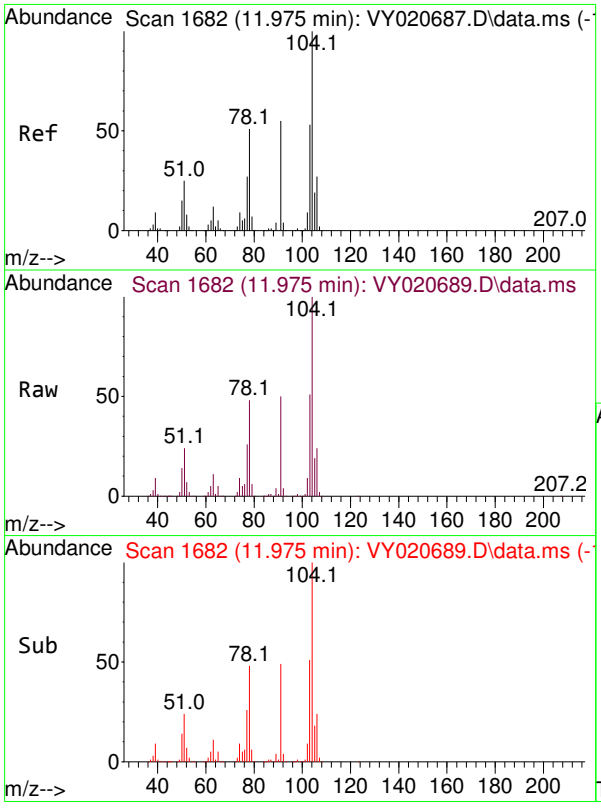
#69
o-Xylene
Concen: 152.546 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 258997

Ion	Ratio	Lower	Upper
106	100		
91	221.3	108.4	325.2

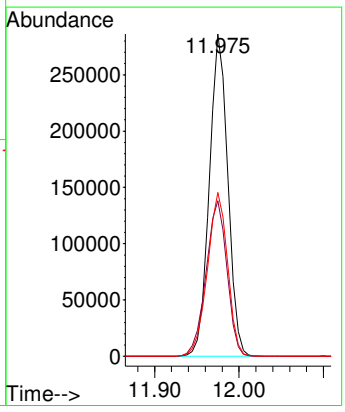


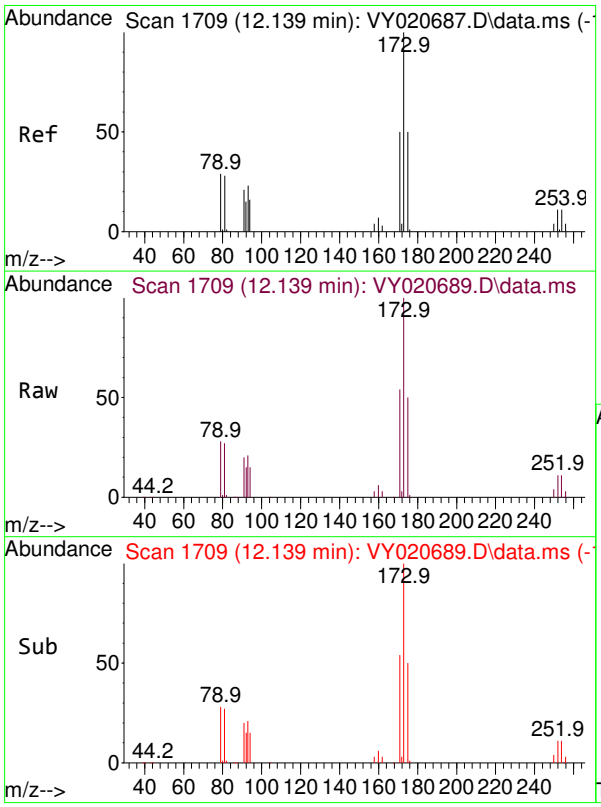


#70
Styrene
Concen: 153.403 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:104 Resp: 438074

Ion	Ratio	Lower	Upper
104	100		
78	54.3	41.6	62.4
103	55.5	43.7	65.5



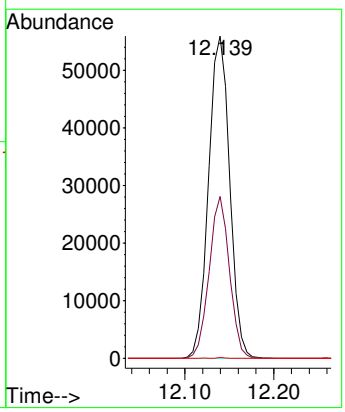


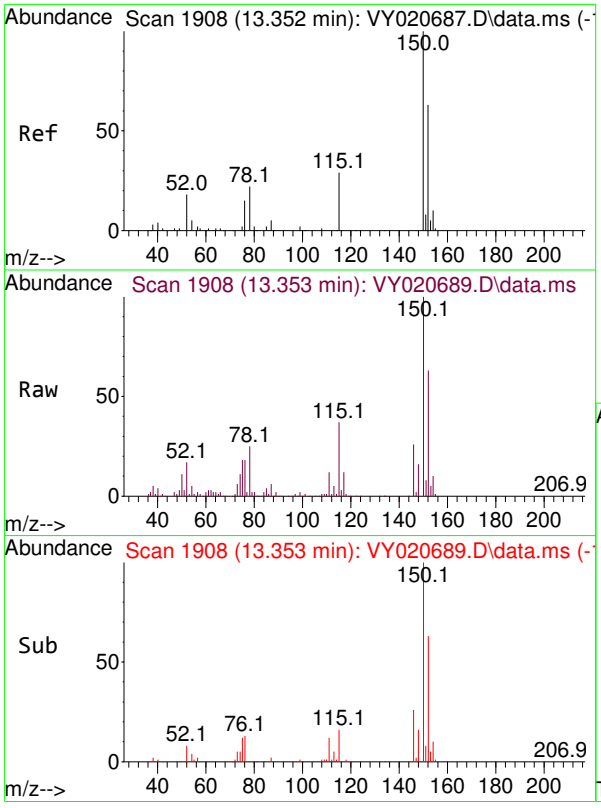
#71
Bromoform
Concen: 157.066 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 92813

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.1	0.0	0.0#

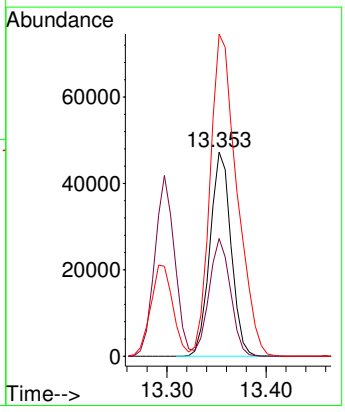


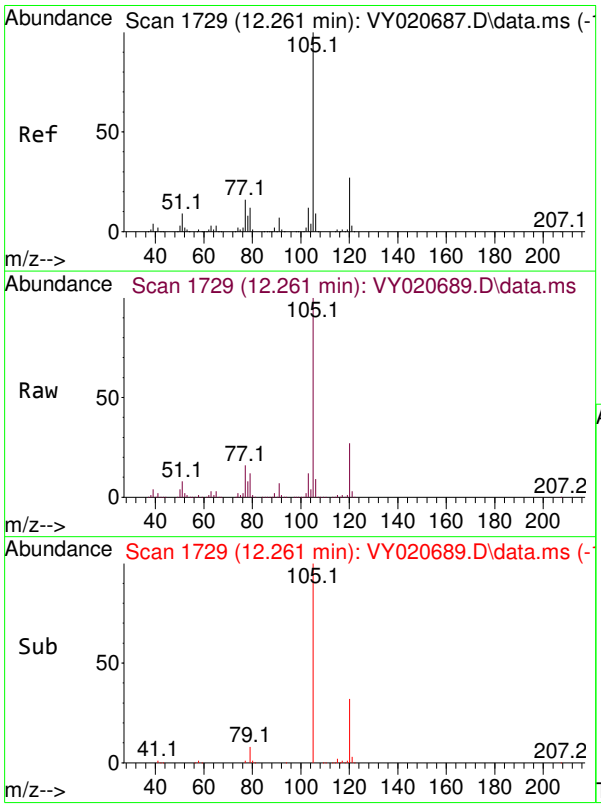


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:152 Resp: 70138

Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.2	90.6
150	200.1	0.0	355.4



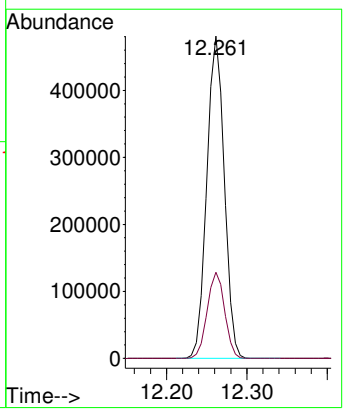


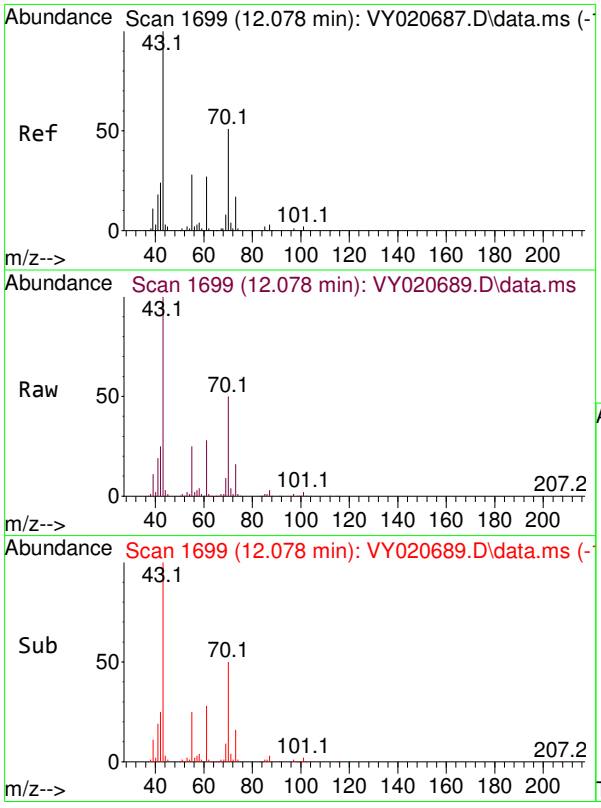
#73
Isopropylbenzene
Concen: 152.310 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 726636

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.1

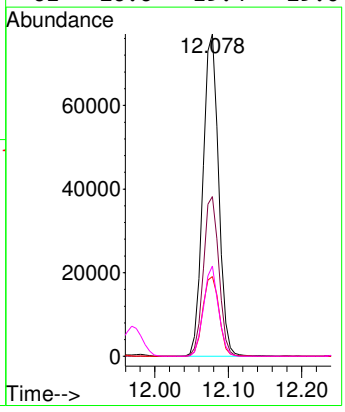


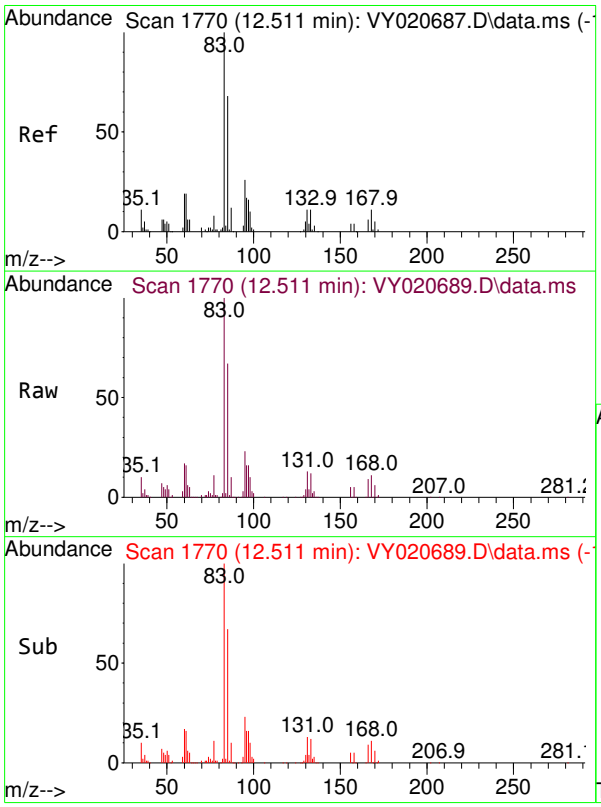


#74
N-amyl acetate
Concen: 170.064 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 43 Resp: 114005

Ion	Ratio	Lower	Upper
43	100		
70	49.1	34.2	51.2
55	25.7	19.6	29.4
61	26.6	19.4	29.0



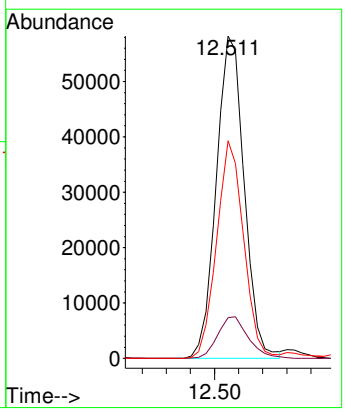


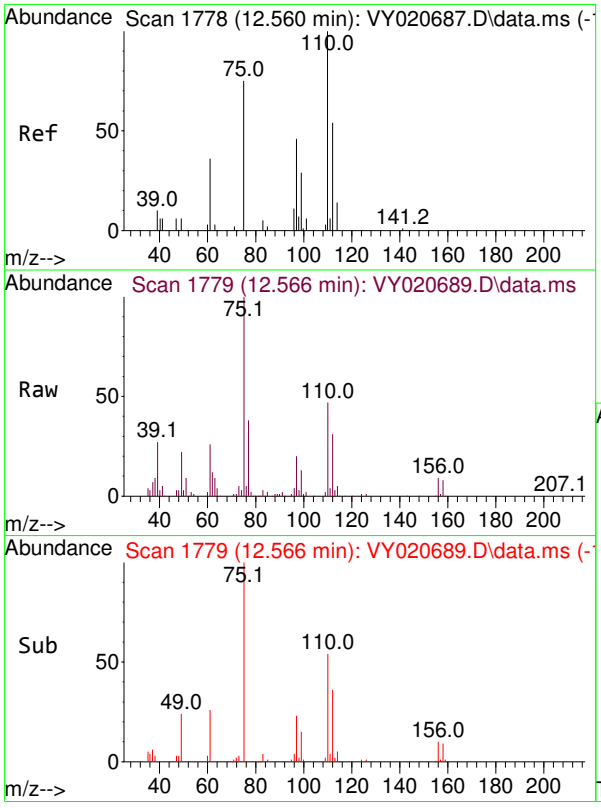
#75
1,1,2,2-Tetrachloroethane
Concen: 152.547 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 93652

Ion	Ratio	Lower	Upper
83	100		
131	14.2	5.2	15.6
85	65.2	32.5	97.4

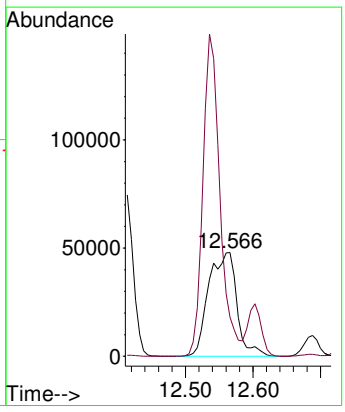


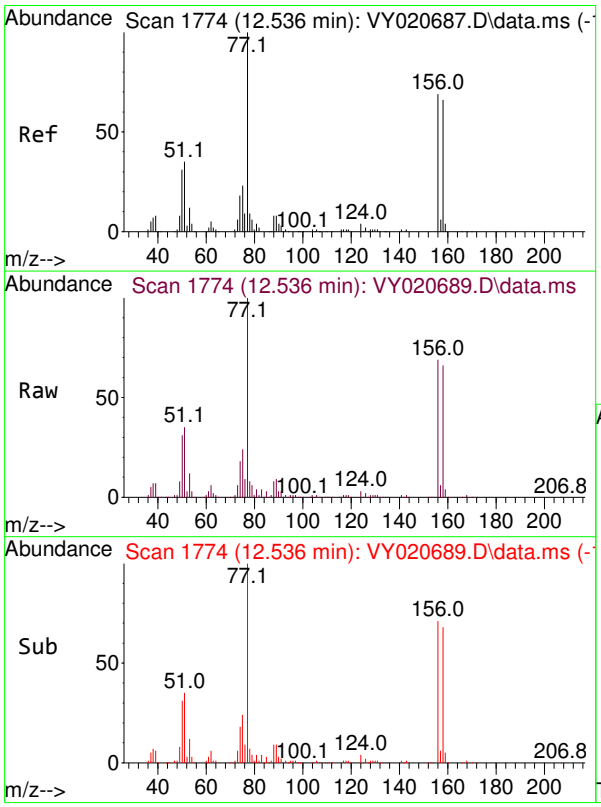


#76
1,2,3-Trichloropropane
Concen: 303.580 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 139557

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



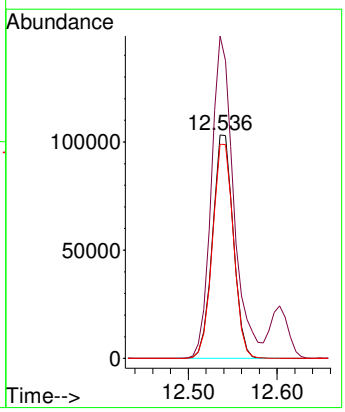


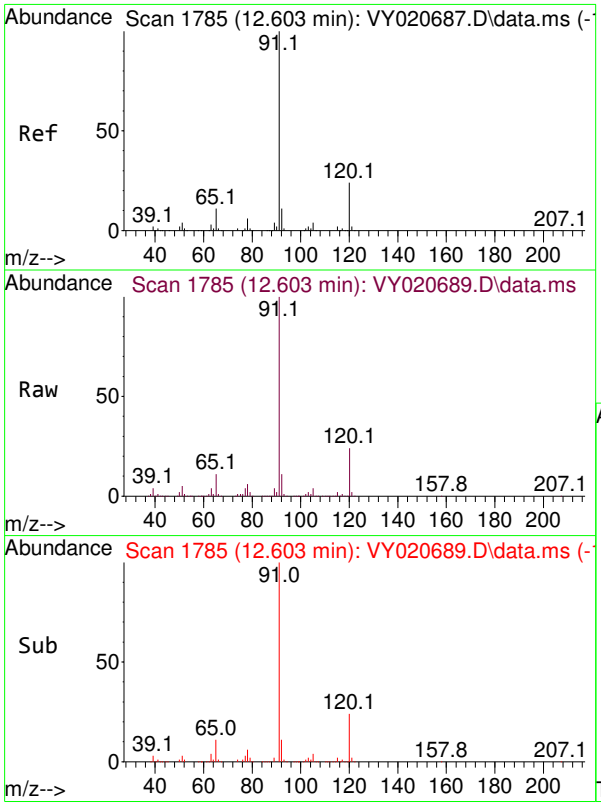
#77
Bromobenzene
Concen: 155.256 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 168664

Ion	Ratio	Lower	Upper
156	100		
77	155.2	94.2	282.4
158	96.8	48.9	146.6

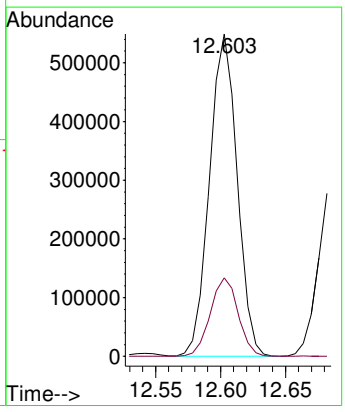


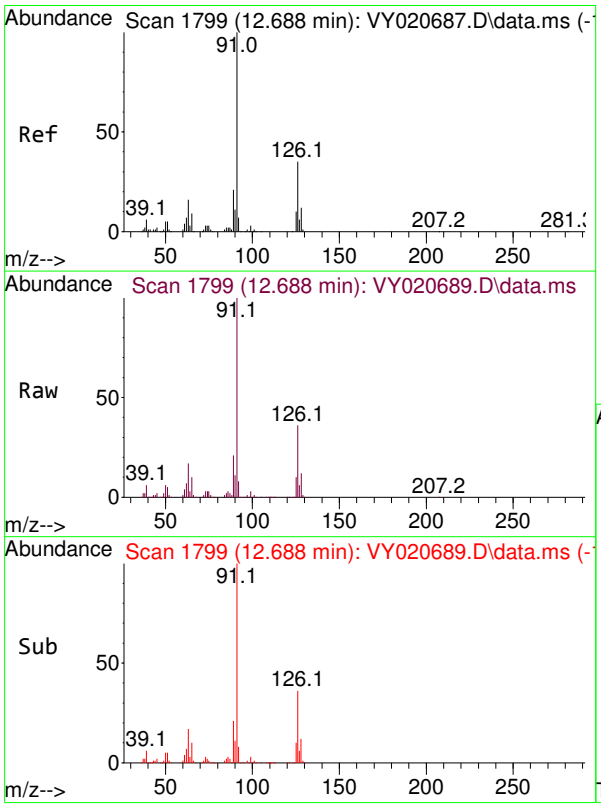


#78
n-propylbenzene
Concen: 150.960 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 811953

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.1	33.1



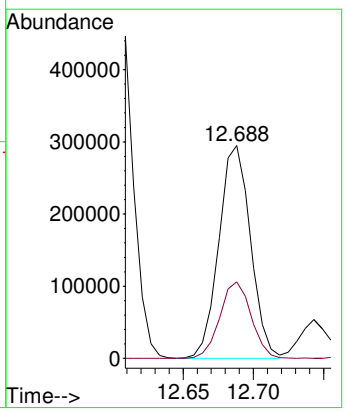


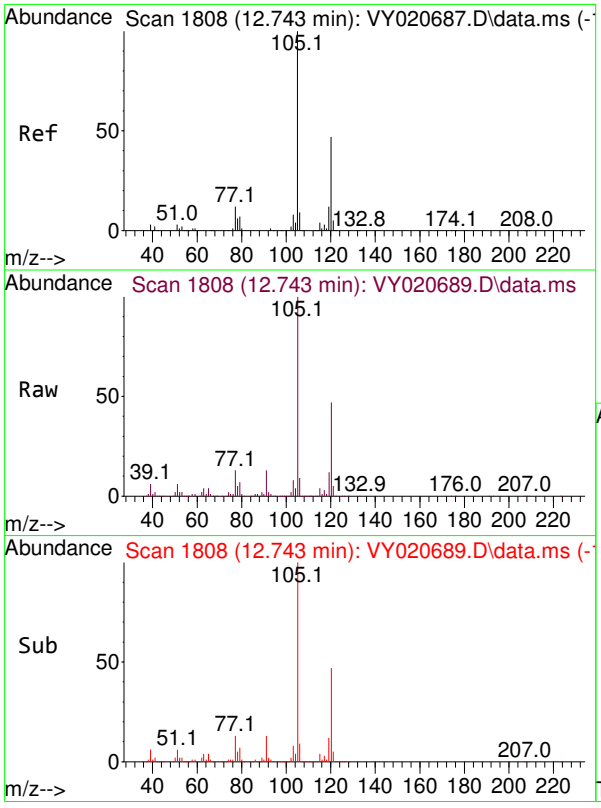
#79
2-Chlorotoluene
Concen: 150.361 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 460395

Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.6	49.7

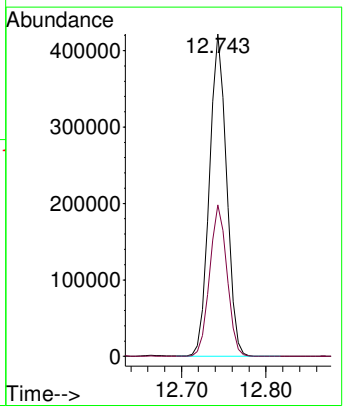


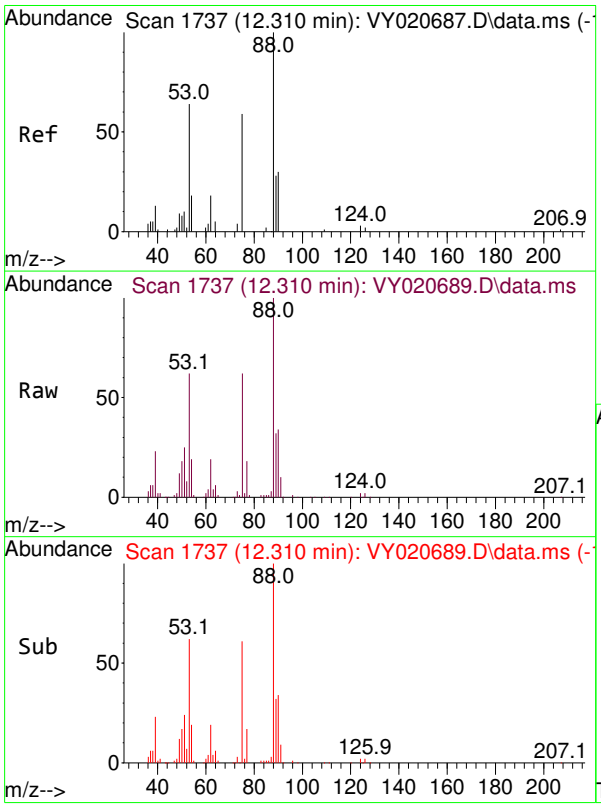


#80
1,3,5-Trimethylbenzene
Concen: 151.278 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 598606

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7



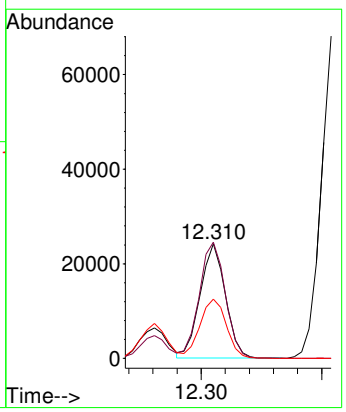


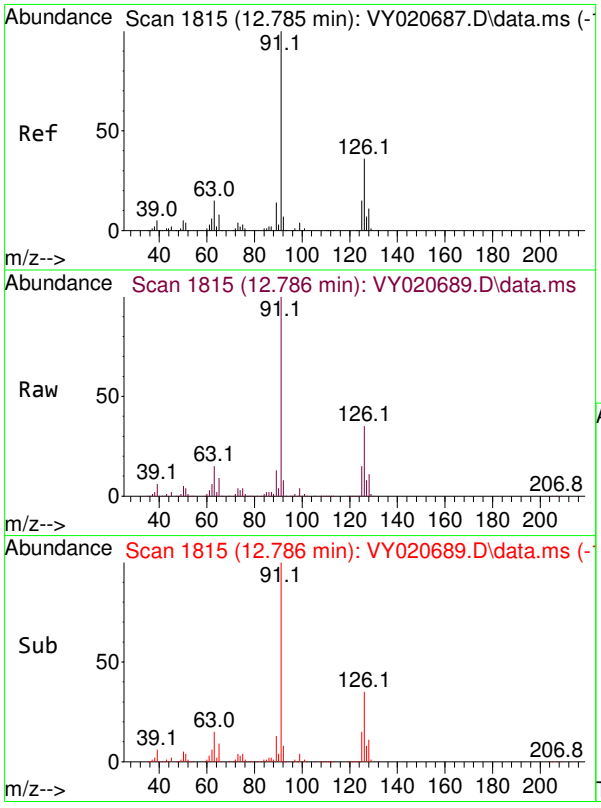
#81
trans-1,4-Dichloro-2-butene
Concen: 157.841 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 35122

Ion	Ratio	Lower	Upper
75	100		
53	105.2	75.4	113.2
89	53.9	37.0	55.4

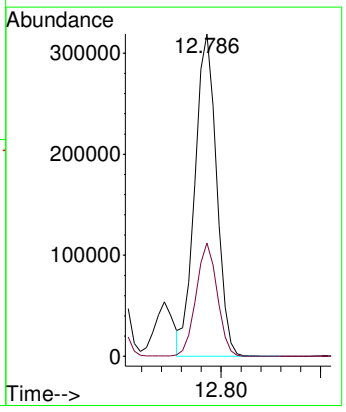


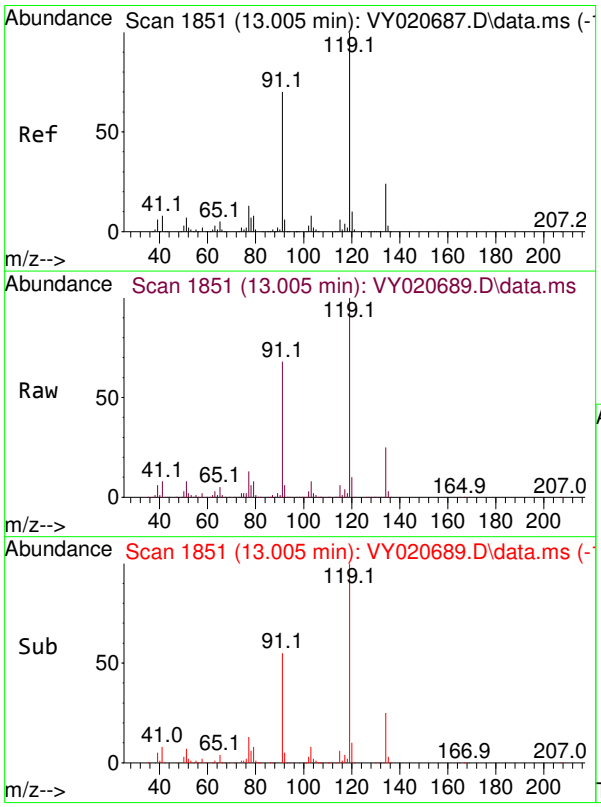


#82
4-Chlorotoluene
Concen: 154.276 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 91 Resp: 481776

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.6	49.7



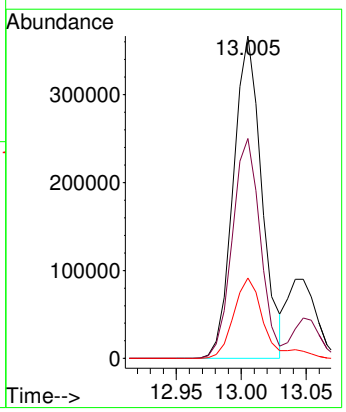


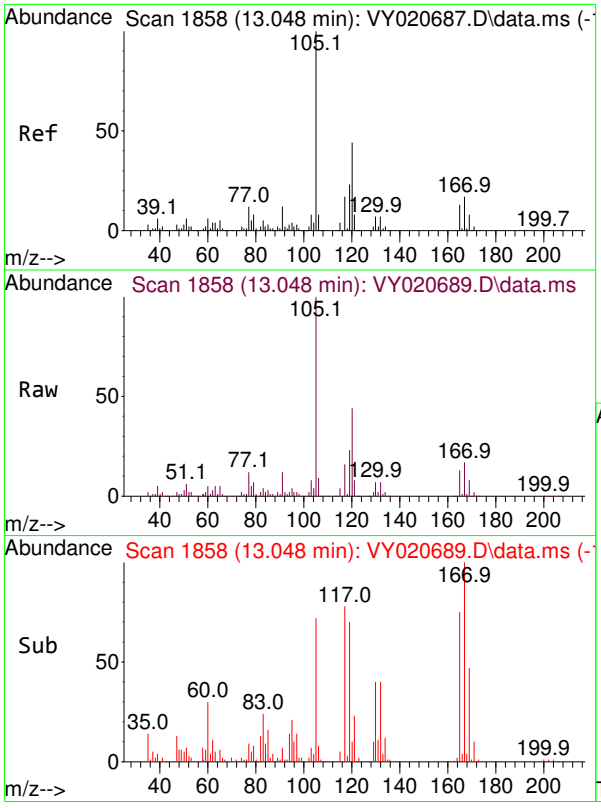
#83
tert-Butylbenzene
Concen: 151.269 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 556945

Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.9	98.6
134	26.9	13.1	39.1

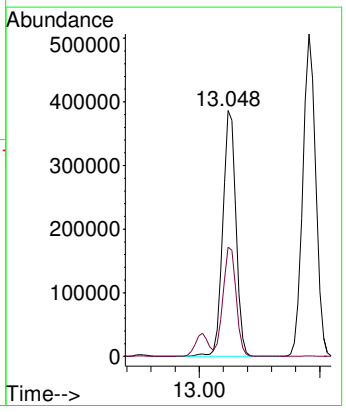


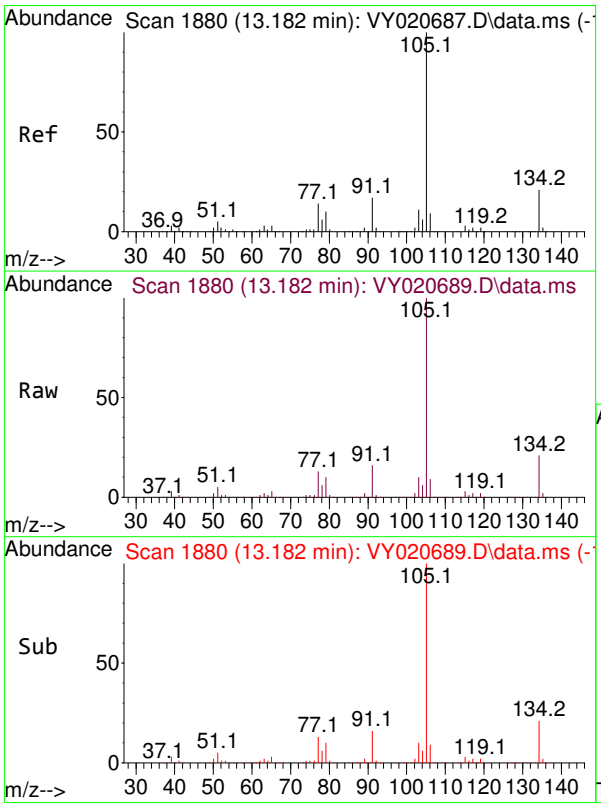


#84
1,2,4-Trimethylbenzene
Concen: 151.646 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:105 Resp: 586180

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



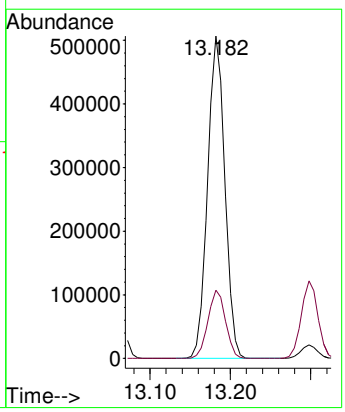


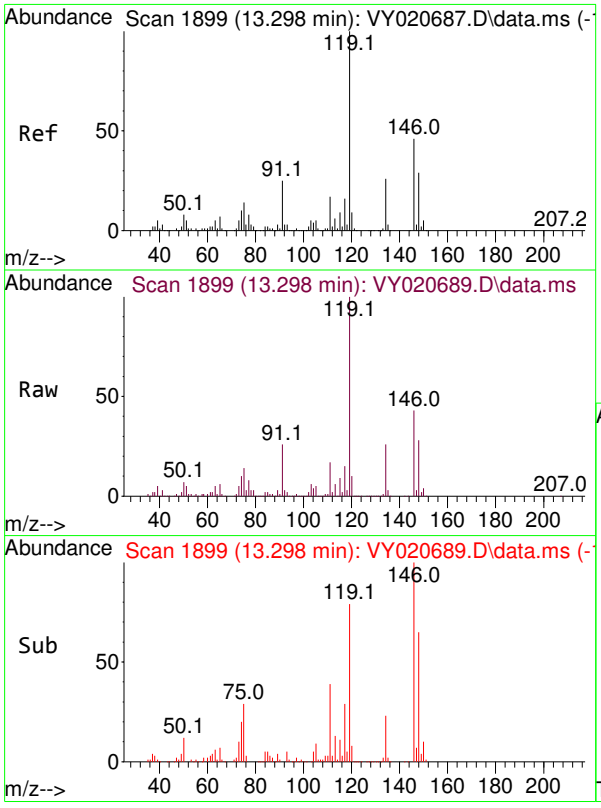
#85
sec-Butylbenzene
Concen: 152.117 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 754129

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.0	30.0

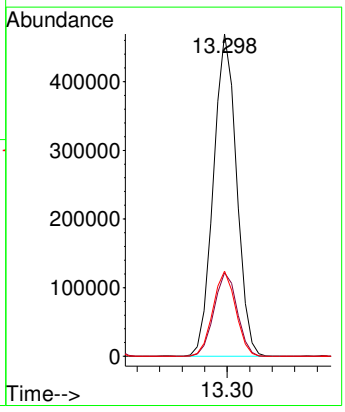


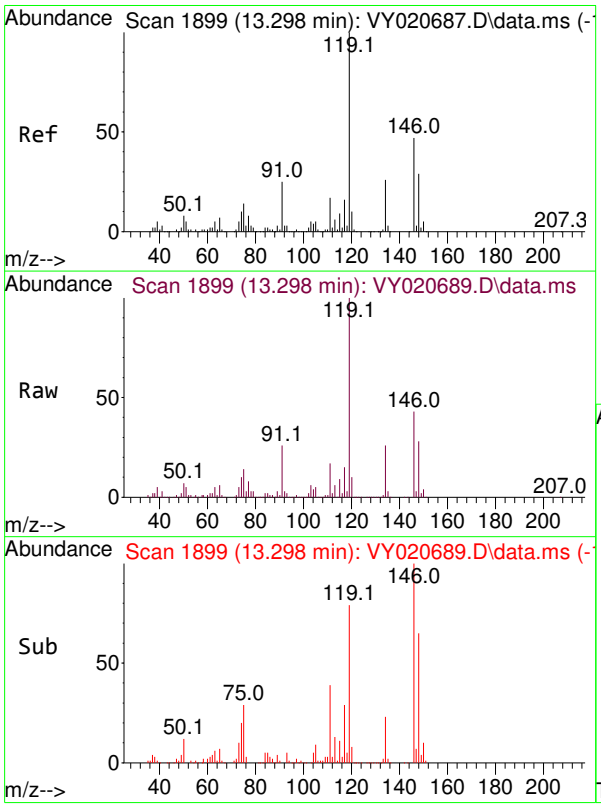


#86
p-Isopropyltoluene
Concen: 154.295 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:119 Resp: 668742

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	26.0	12.1	36.3



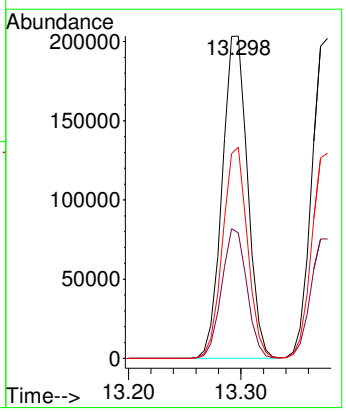


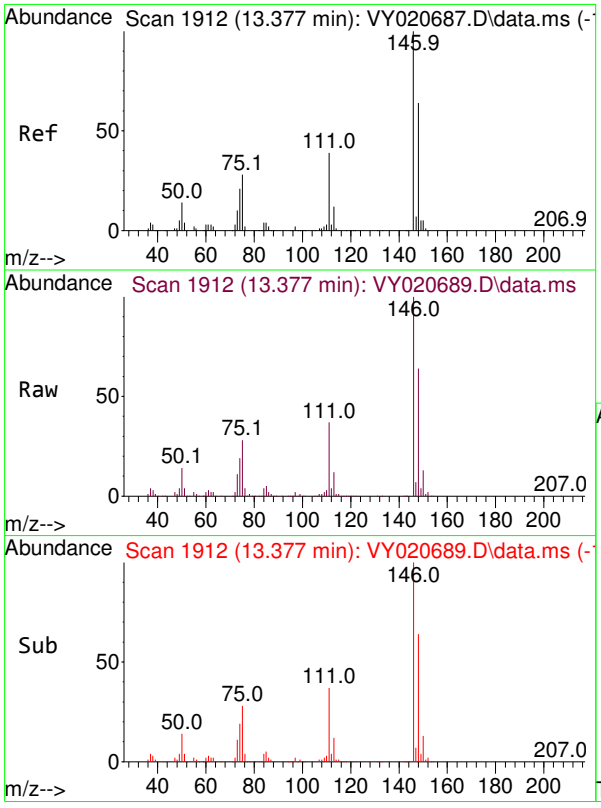
#87
1,3-Dichlorobenzene
Concen: 150.573 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 317774

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.6	61.8
148	64.1	31.4	94.0

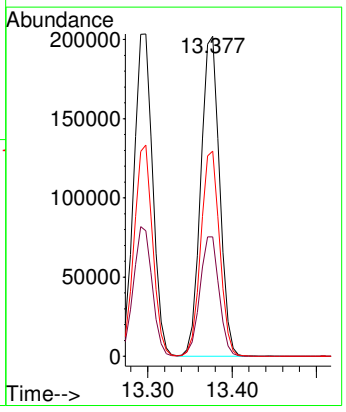


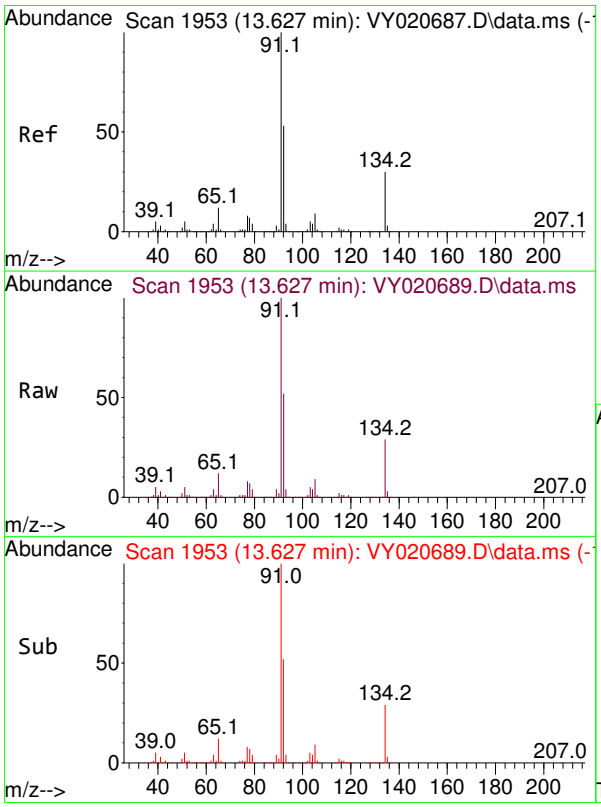


#88
1,4-Dichlorobenzene
Concen: 151.502 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:146 Resp: 313256

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.6	58.7
148	64.3	31.9	95.5



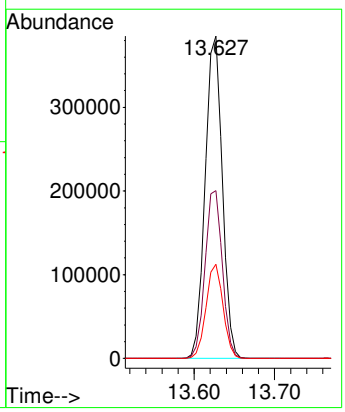


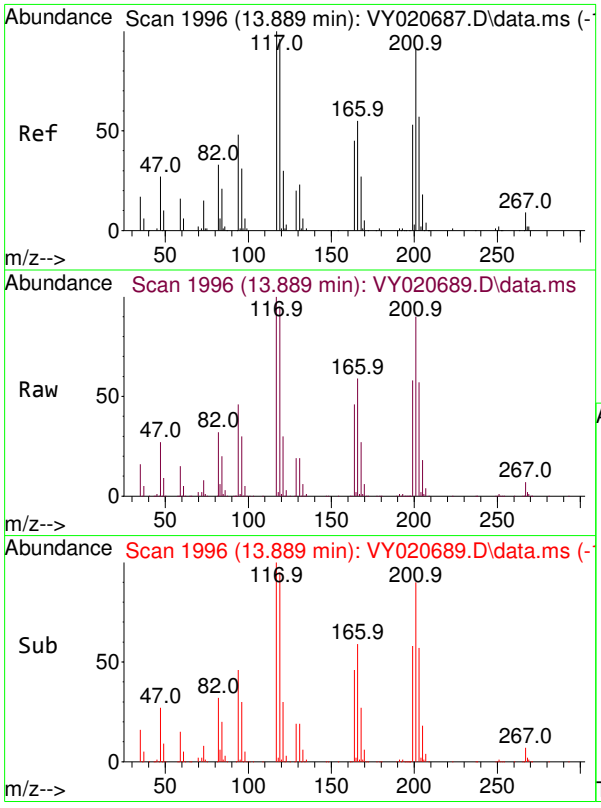
#89
n-Butylbenzene
Concen: 155.866 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 569116

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	29.0	12.5	37.5

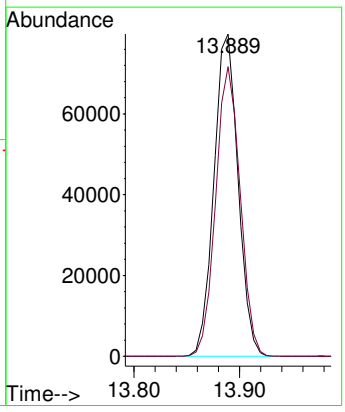


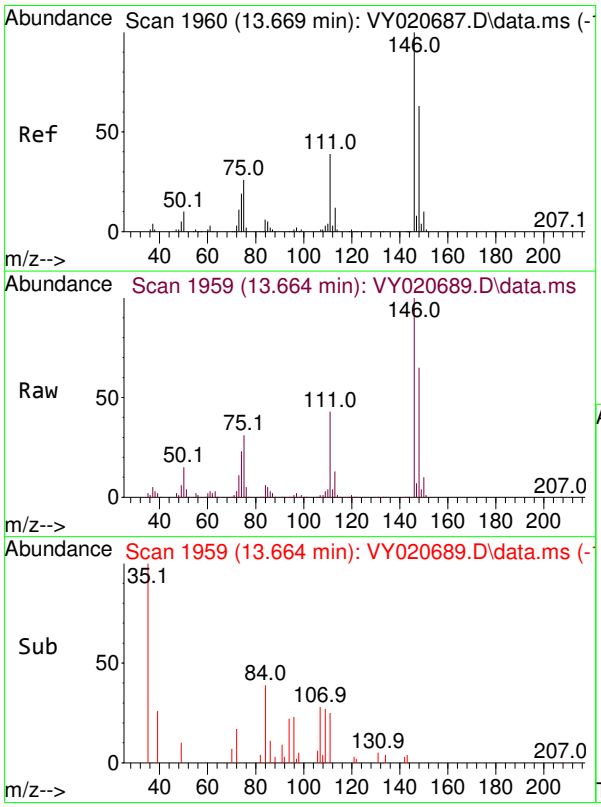


#90
Hexachloroethane
Concen: 155.000 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:117 Resp: 127446

Ion	Ratio	Lower	Upper
117	100		
201	90.8	39.1	117.3



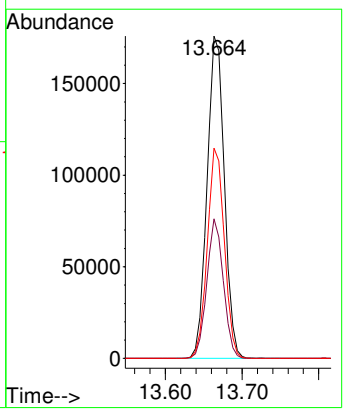


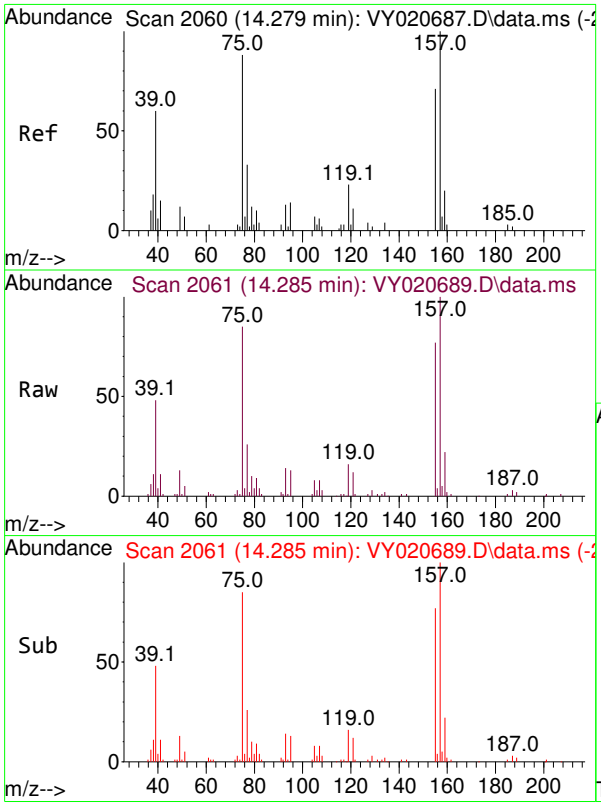
#91
1,2-Dichlorobenzene
Concen: 151.951 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 275211

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.3	32.0	96.0

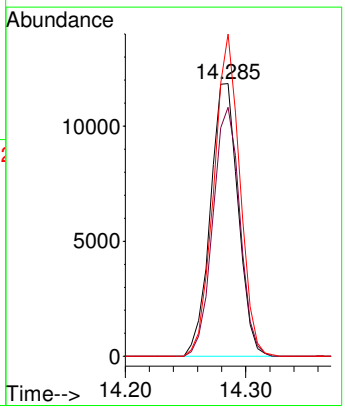


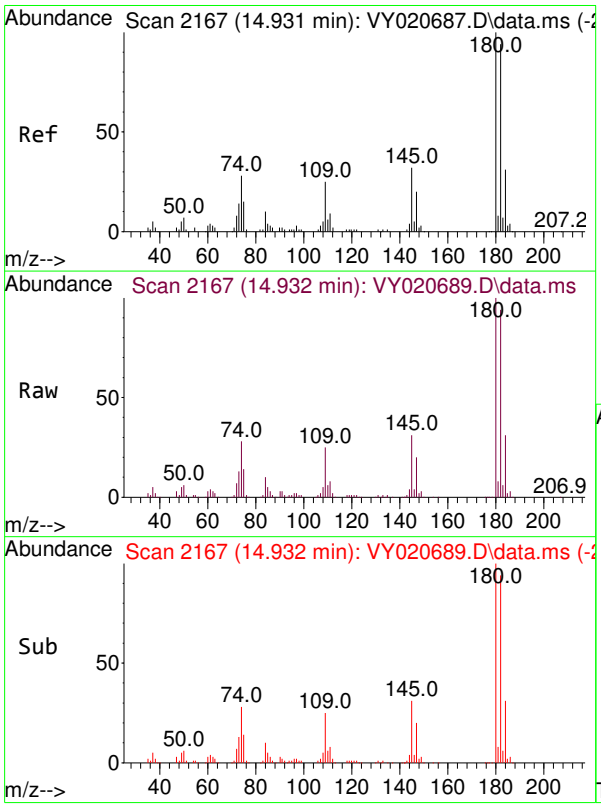


#92
1,2-Dibromo-3-Chloropropane
Concen: 162.178 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion: 75 Resp: 18972

Ion	Ratio	Lower	Upper
75	100		
155	88.7	41.1	123.3
157	110.2	52.9	158.8



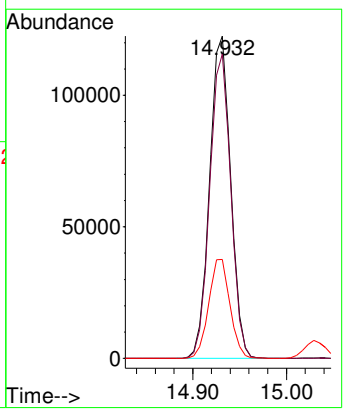


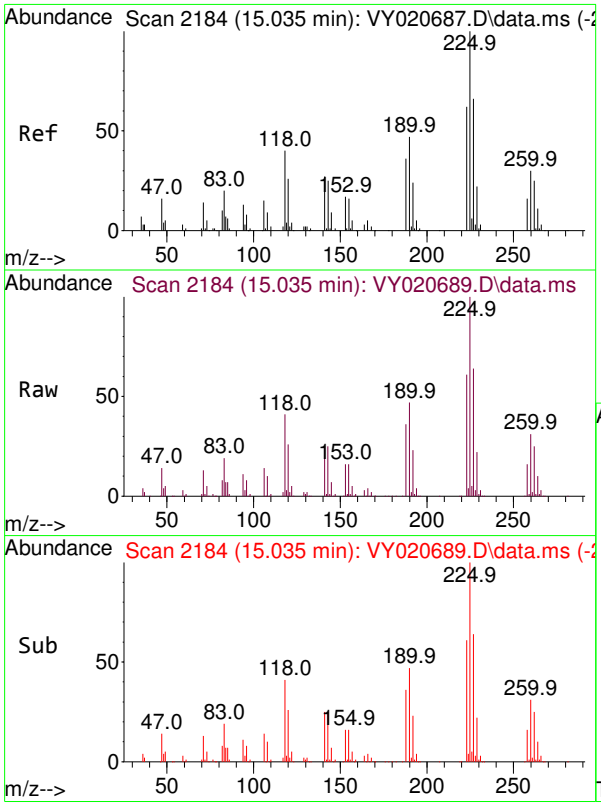
#93
1,2,4-Trichlorobenzene
Concen: 177.625 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 190996

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.6
145	31.0	15.6	46.7

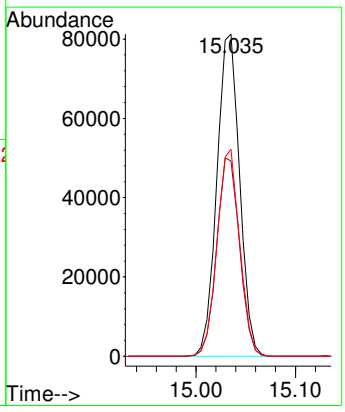


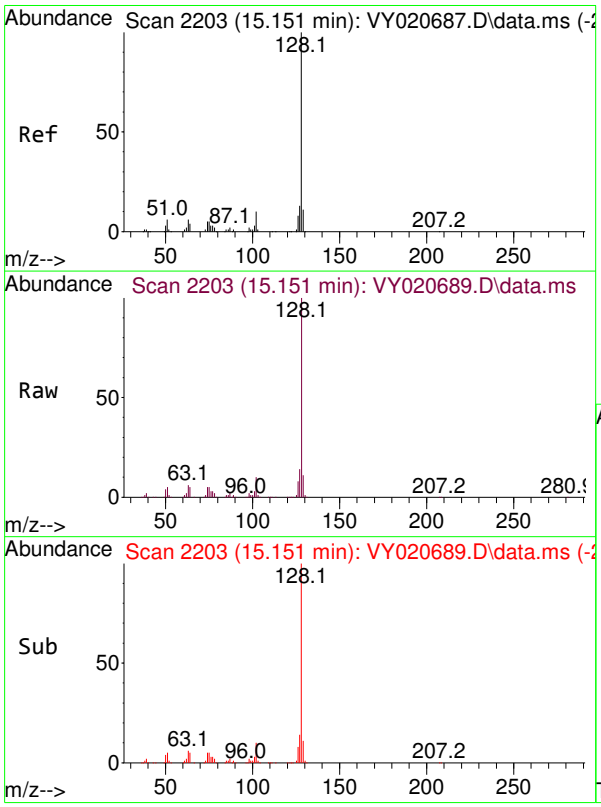


#94
Hexachlorobutadiene
Concen: 162.543 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:225 Resp: 130134

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	63.6	32.2	96.6



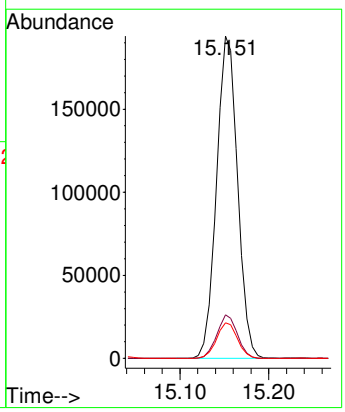


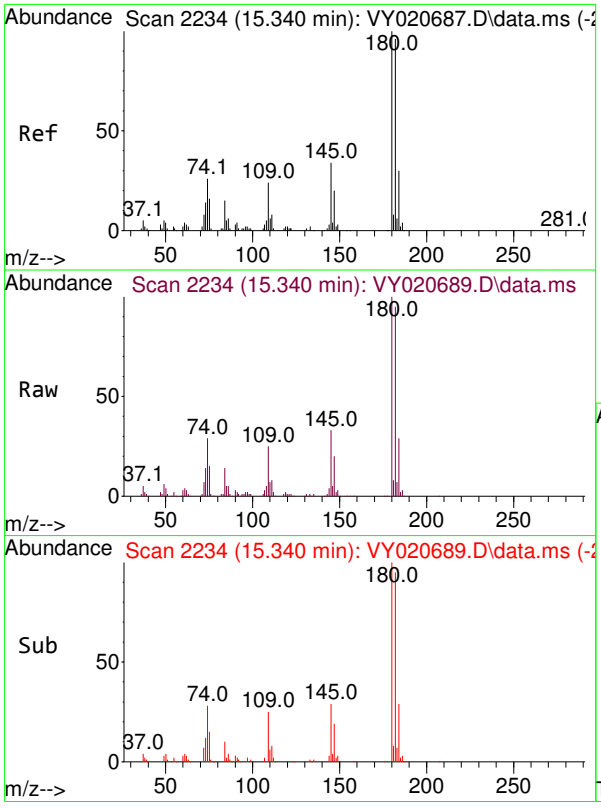
#95
Naphthalene
Concen: 153.526 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 321245

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.0	8.5	12.7

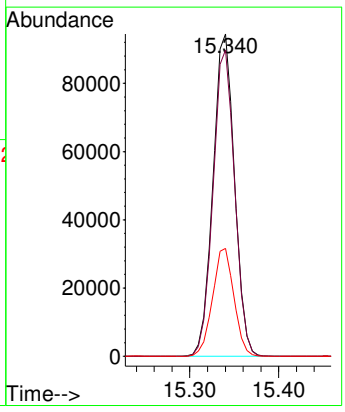




#96
1,2,3-Trichlorobenzene
Concen: 177.777 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020689.D
Acq: 23 Dec 2024 13:24

Tgt Ion:180 Resp: 159815

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	33.3	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	119608	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.628	114	167175	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	141658	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	71166	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	50153	47.345	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.700%				
35) Dibromofluoromethane	7.646	113	45548	46.401	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.800%				
50) Toluene-d8	10.115	98	177791	49.867	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.740%				
62) 4-Bromofluorobenzene	12.414	95	59136	45.571	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	46701	50.681	ug/l		100
3) Chloromethane	2.074	50	19289	51.382	ug/l		96
4) Vinyl Chloride	2.214	62	24179	52.828	ug/l		95
5) Bromomethane	2.610	94	18251	56.471	ug/l		97
6) Chloroethane	2.751	64	14813	53.251	ug/l		99
7) Trichlorofluoromethane	3.080	101	84454	51.310	ug/l		99
8) Diethyl Ether	3.470	74	20559	52.184	ug/l		75
9) 1,1,2-Trichlorotrifluo...	3.830	101	44620	49.644	ug/l		91
10) Methyl Iodide	4.025	142	55082	53.200	ug/l		89
11) Tert butyl alcohol	4.891	59	14113	182.349	ug/l		98
12) 1,1-Dichloroethene	3.805	96	41447	51.959	ug/l		90
13) Acrolein	3.671	56	3620	198.420	ug/l		96
14) Allyl chloride	4.403	41	49792	53.230	ug/l	#	76
15) Acrylonitrile	5.080	53	37172	255.978	ug/l		97
16) Acetone	3.885	43	27917	230.728	ug/l		95
17) Carbon Disulfide	4.122	76	108056	54.332	ug/l		99
18) Methyl Acetate	4.403	43	16309	52.099	ug/l	#	84
19) Methyl tert-butyl Ether	5.134	73	113195	52.169	ug/l	#	90
20) Methylene Chloride	4.641	84	41675	51.688	ug/l		87
21) trans-1,2-Dichloroethene	5.134	96	45012	52.333	ug/l		86
22) Diisopropyl ether	6.037	45	100906	52.766	ug/l	#	87
23) Vinyl Acetate	5.982	43	301455	266.212	ug/l	#	89
24) 1,1-Dichloroethane	5.933	63	74382	52.176	ug/l		96
25) 2-Butanone	6.915	43	40567	238.673	ug/l	#	81
26) 2,2-Dichloropropane	6.902	77	87787	49.220	ug/l		99
27) cis-1,2-Dichloroethene	6.908	96	53548	52.271	ug/l		91
28) Bromochloromethane	7.262	49	22519	52.907	ug/l	#	52
29) Tetrahydrofuran	7.274	42	24969	249.938	ug/l	#	72
30) Chloroform	7.433	83	93391	49.838	ug/l		93
31) Cyclohexane	7.719	56	59687	47.751	ug/l	#	79
32) 1,1,1-Trichloroethane	7.634	97	98779	50.458	ug/l		97
36) 1,1-Dichloropropene	7.853	75	61494	51.538	ug/l		95
37) Ethyl Acetate	7.000	43	20148	51.669	ug/l	#	92
38) Carbon Tetrachloride	7.835	117	98743	51.140	ug/l		97
39) Methylcyclohexane	9.121	83	78636	51.850	ug/l		87
40) Benzene	8.091	78	180937	52.566	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	10841	49.072	ug/l	#	83
42) 1,2-Dichloroethane	8.170	62	55938	51.098	ug/l		100
43) Isopropyl Acetate	8.207	43	42503	52.443	ug/l	#	85
44) Trichloroethene	8.878	130	51562	50.474	ug/l		87
45) 1,2-Dichloropropane	9.152	63	36023	53.265	ug/l		99
46) Dibromomethane	9.243	93	24708	52.921	ug/l		92
47) Bromodichloromethane	9.432	83	68666	51.846	ug/l	#	97
48) Methyl methacrylate	9.231	41	19879	51.742	ug/l	#	81
49) 1,4-Dioxane	9.250	88	4527	926.264	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.005	43	101109	249.741	ug/l		93
52) Toluene	10.182	92	123390	52.641	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	62970	53.732	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	68108	52.743	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	31270	51.725	ug/l		92
56) Ethyl methacrylate	10.451	69	42125	54.626	ug/l		87
57) 1,3-Dichloropropane	10.725	76	51521	52.137	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	76787	266.463	ug/l	#	81
59) 2-Hexanone	10.768	43	66464	257.733	ug/l		91
60) Dibromochloromethane	10.920	129	49937	51.738	ug/l		97
61) 1,2-Dibromoethane	11.024	107	29492	52.038	ug/l		100
64) Tetrachloroethene	10.658	164	48939	52.019	ug/l		98
65) Chlorobenzene	11.450	112	140132	52.937	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	53263	51.525	ug/l		94
67) Ethyl Benzene	11.530	91	246210	51.841	ug/l		96
68) m/p-Xylenes	11.639	106	187007	103.259	ug/l		99
69) o-Xylene	11.962	106	88867	52.237	ug/l		98
70) Styrene	11.981	104	151410	52.914	ug/l		98
71) Bromoform	12.139	173	30473	51.466	ug/l	#	99
73) Isopropylbenzene	12.261	105	248637	51.364	ug/l		99
74) N-amyl acetate	12.078	43	35961	52.869	ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.517	83	31507	50.579	ug/l		98
76) 1,2,3-Trichloropropane	12.566	75	47296	96.367	ug/l	#	100
77) Bromobenzene	12.542	156	57012	51.722	ug/l		86
78) n-propylbenzene	12.603	91	280237	51.350	ug/l		95
79) 2-Chlorotoluene	12.688	91	159275	51.267	ug/l		95
80) 1,3,5-Trimethylbenzene	12.743	105	209445	52.166	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	11129	49.292	ug/l		90
82) 4-Chlorotoluene	12.785	91	163776	51.687	ug/l		97
83) tert-Butylbenzene	13.005	119	190947	51.113	ug/l		97
84) 1,2,4-Trimethylbenzene	13.054	105	203948	52.000	ug/l		99
85) sec-Butylbenzene	13.182	105	260272	51.742	ug/l		96
86) p-Isopropyltoluene	13.298	119	230395	52.390	ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	112990	52.766	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	109214	52.057	ug/l		99
89) n-Butylbenzene	13.627	91	195149	52.674	ug/l		97
90) Hexachloroethane	13.889	117	43638	52.306	ug/l		87
91) 1,2-Dichlorobenzene	13.669	146	95689	52.069	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5860	49.369	ug/l		93
93) 1,2,4-Trichlorobenzene	14.931	180	60565	55.512	ug/l		99
94) Hexachlorobutadiene	15.035	225	43075	53.025	ug/l		99
95) Naphthalene	15.157	128	97309	48.290	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	49317	54.067	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

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

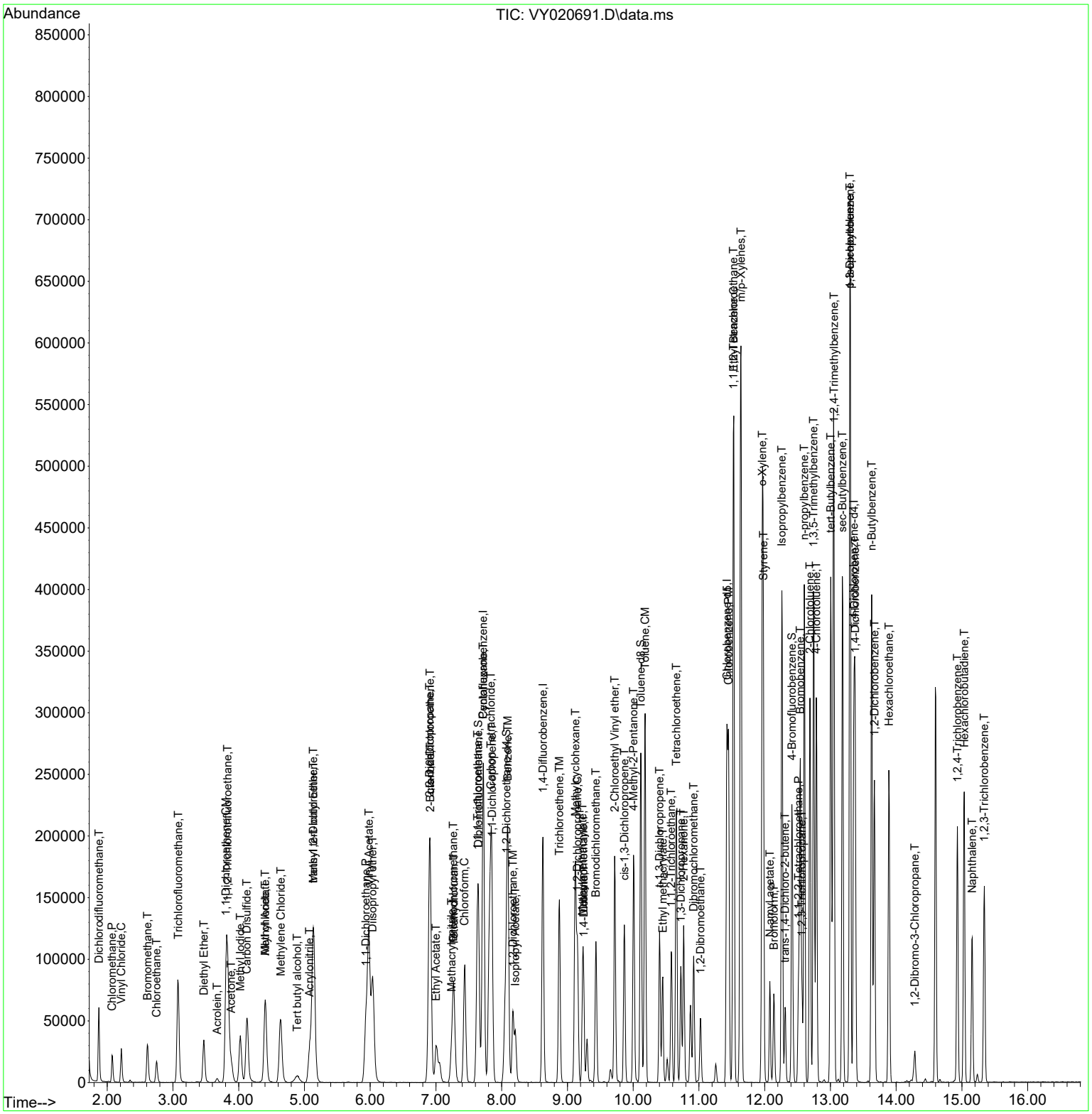
(#) = qualifier out of range (m) = manual integration (+) = signals summed

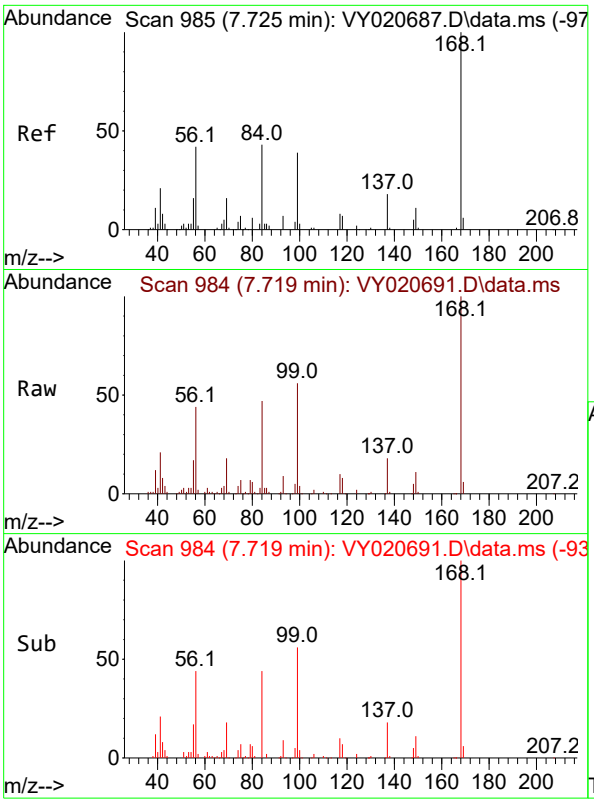
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020691.D
Acq On : 23 Dec 2024 14:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Quant Time: Dec 23 14:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration



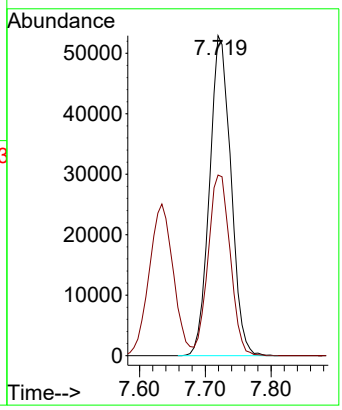


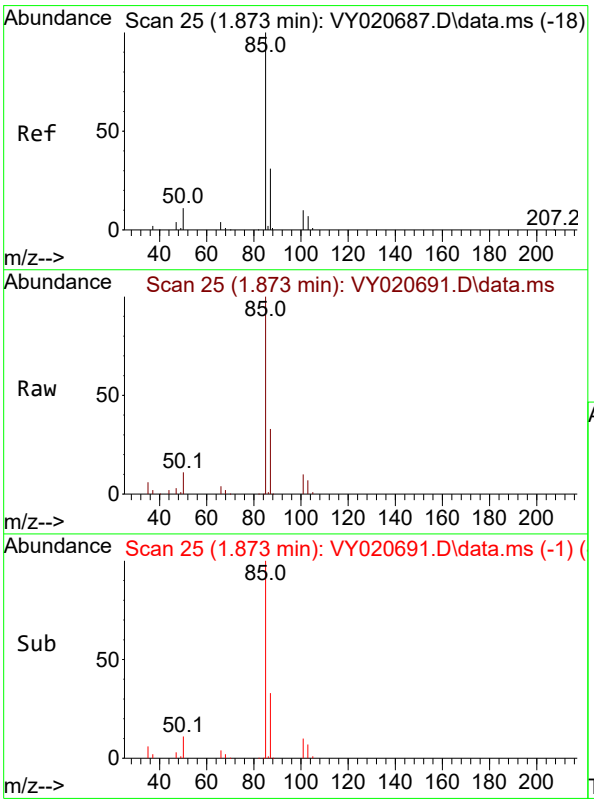
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:168 Resp: 119608

Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6

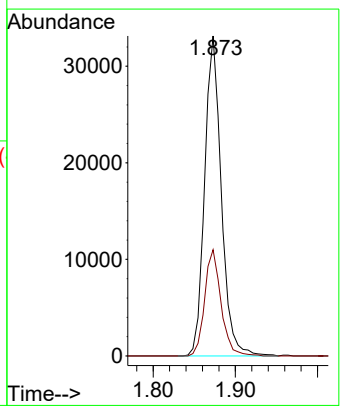


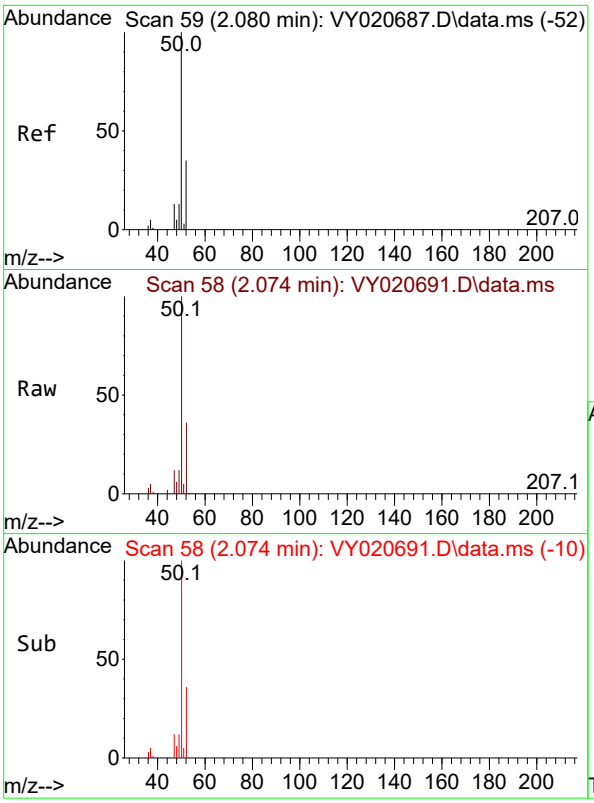


#2
Dichlorodifluoromethane
Concen: 50.681 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 85 Resp: 46701

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.8	50.3



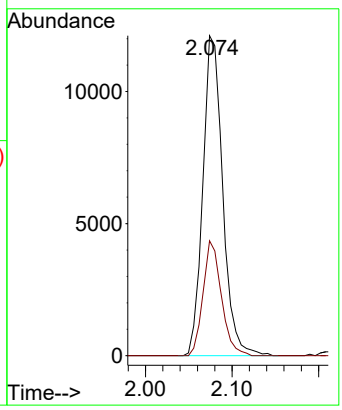


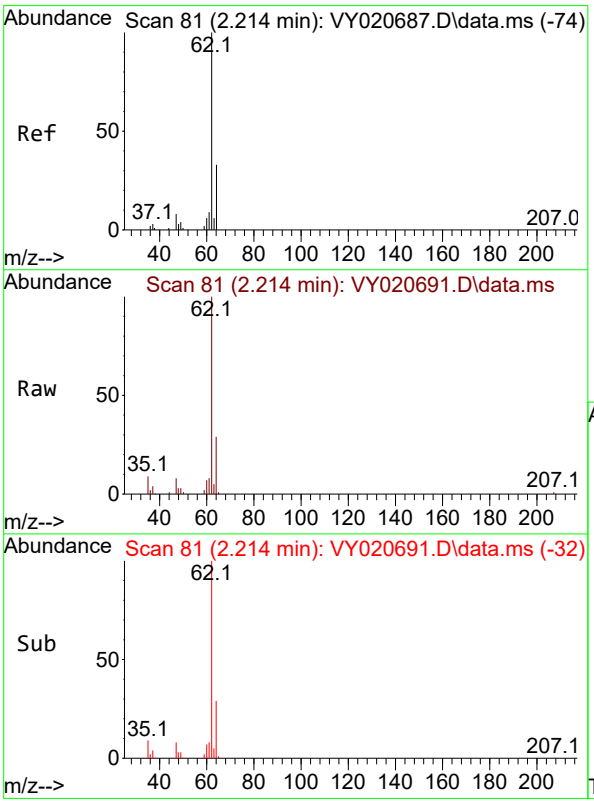
#3
Chloromethane
Concen: 51.382 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 50 Resp: 19289

Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.8	40.2

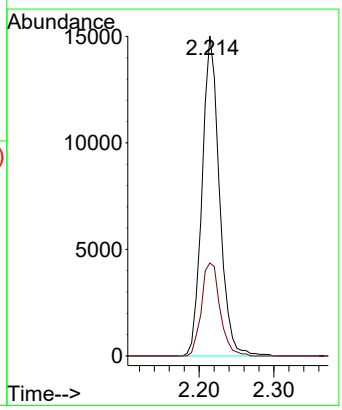


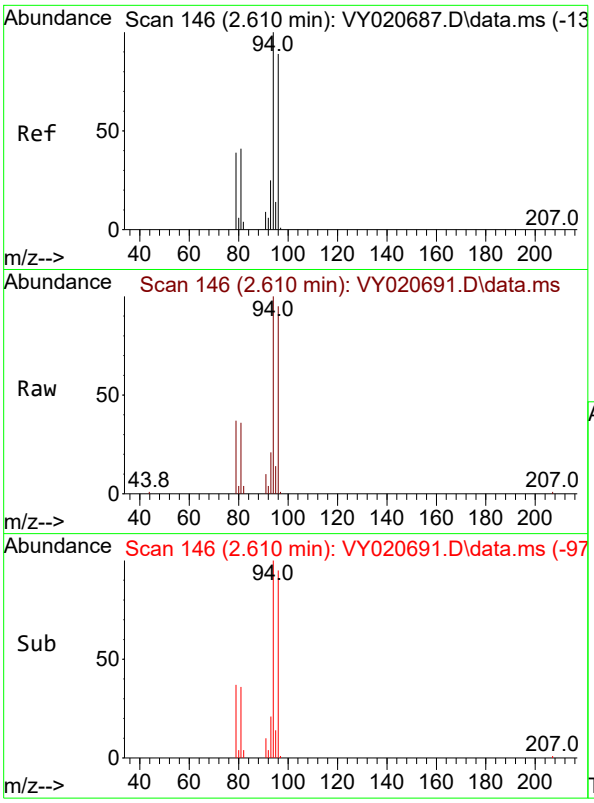


#4
Vinyl Chloride
Concen: 52.828 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 62 Resp: 24179

Ion	Ratio	Lower	Upper
62	100		
64	29.0	25.3	37.9



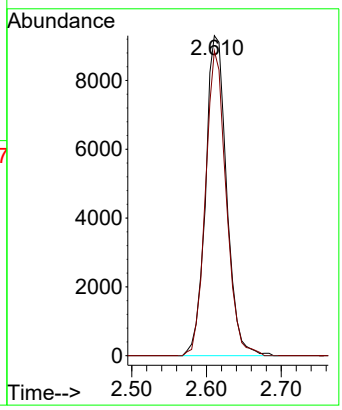


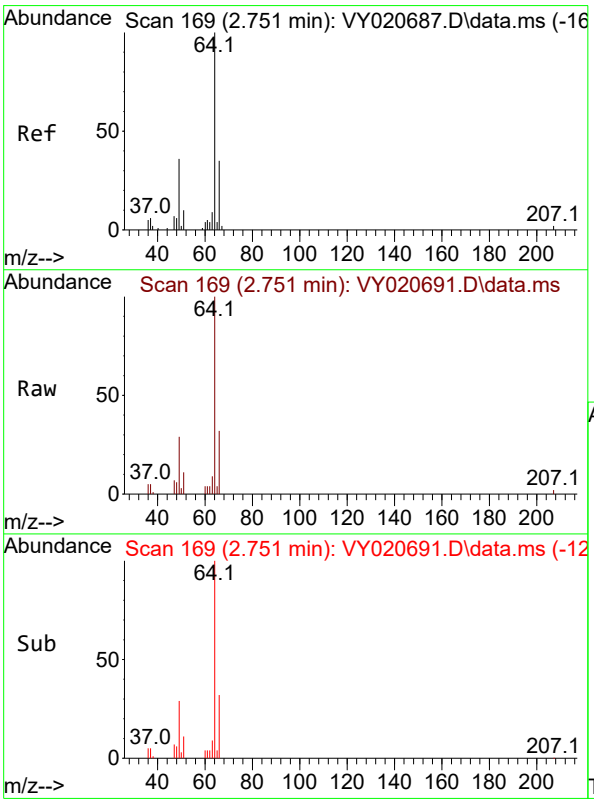
#5
Bromomethane
Concen: 56.471 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 94 Resp: 18251

Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.8	110.6

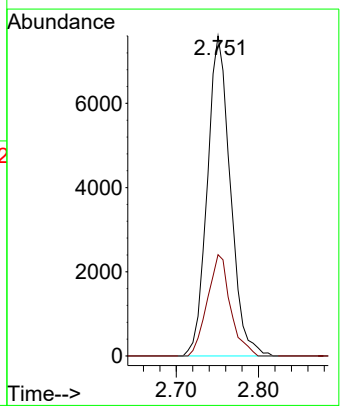


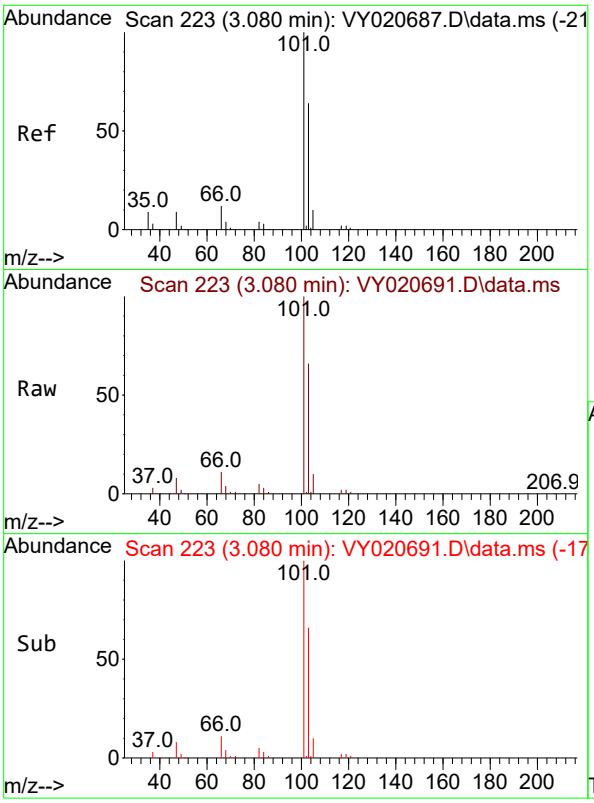


#6
Chloroethane
Concen: 53.251 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 64 Resp: 14813

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.8	38.6



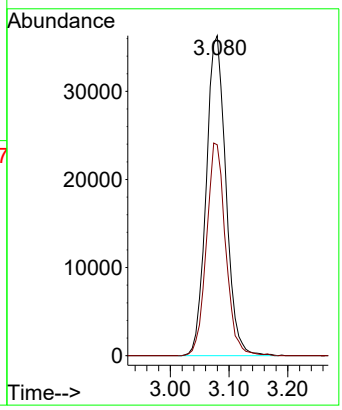


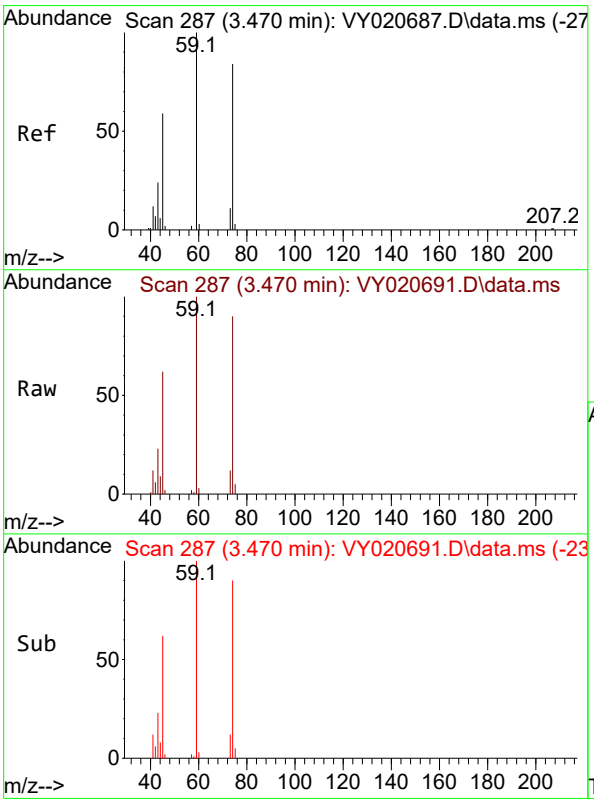
#7
Trichlorofluoromethane
Concen: 51.310 ug/l
RT: 3.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:101 Resp: 84454

Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.4	80.0

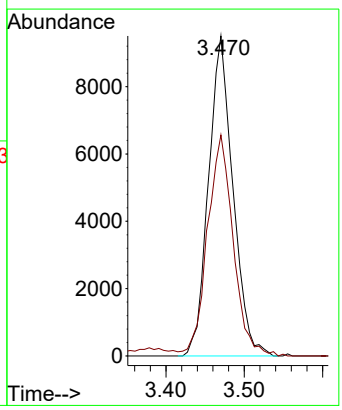


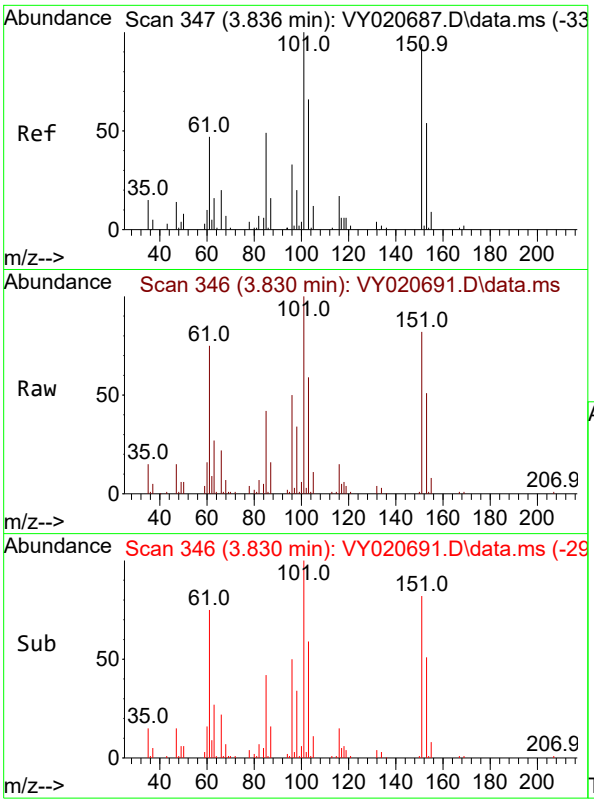


#8
Diethyl Ether
Concen: 52.184 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 74 Resp: 20559

Ion	Ratio	Lower	Upper
74	100		
45	73.0	49.0	147.2



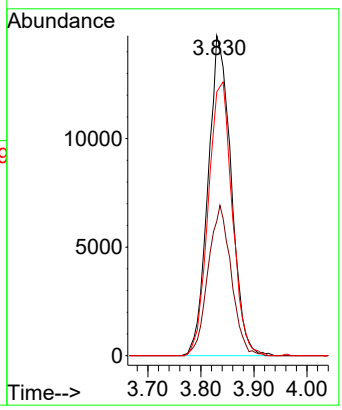


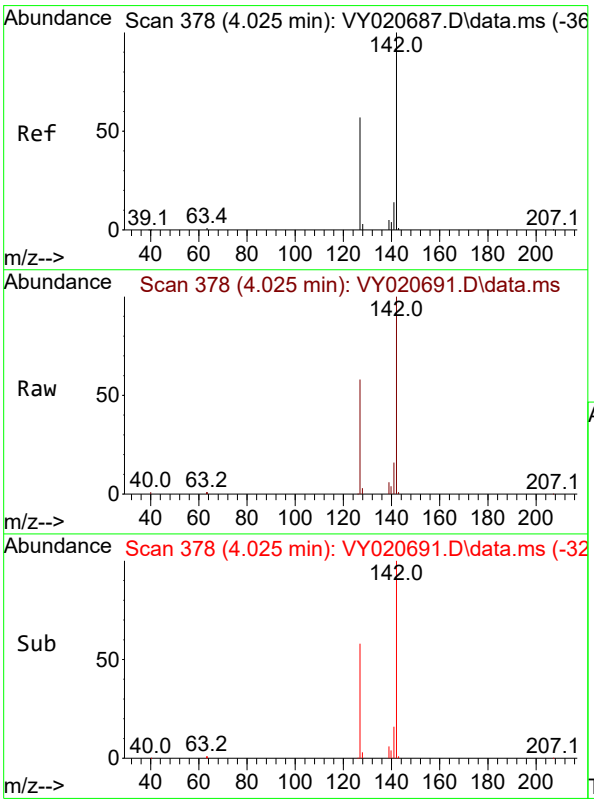
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.644 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:101 Resp: 44620

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.6	54.8
151	88.7	61.5	92.3

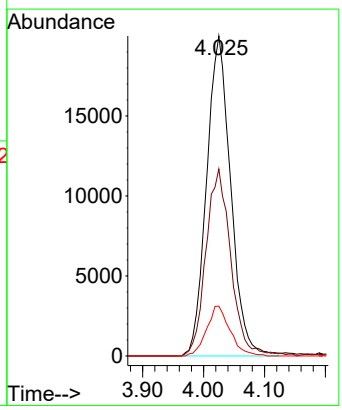


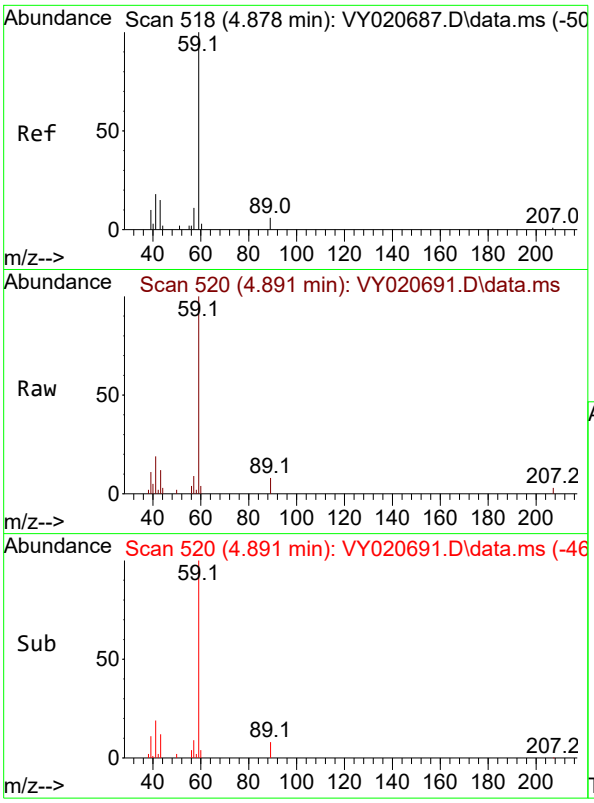


#10
Methyl Iodide
Concen: 53.200 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:142 Resp: 55082

Ion	Ratio	Lower	Upper
142	100		
127	60.2	40.6	61.0
141	15.1	11.7	17.5



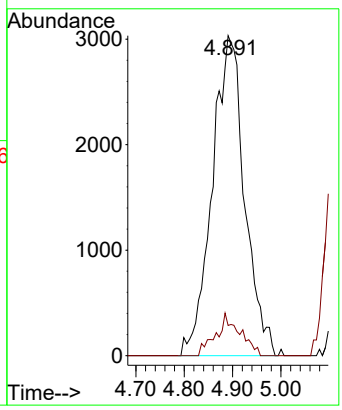


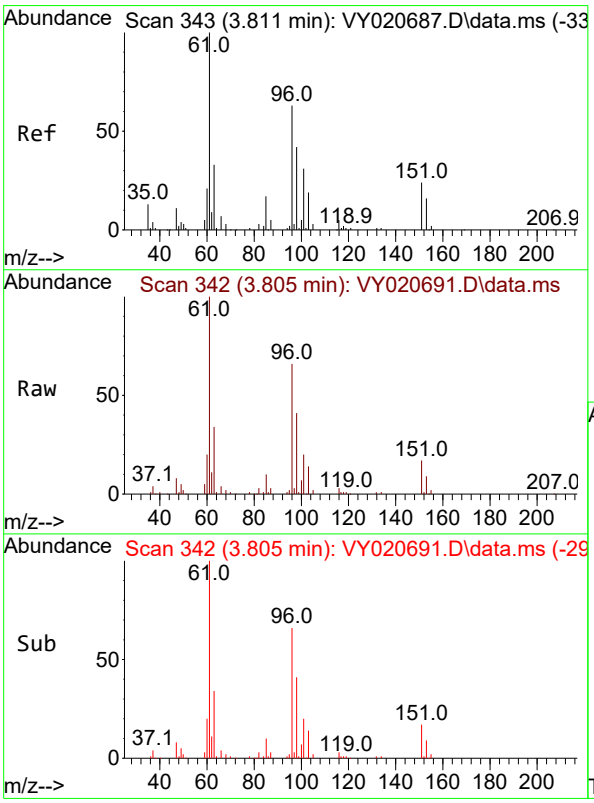
#11
Tert butyl alcohol
Concen: 182.349 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 59 Resp: 14113

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.0

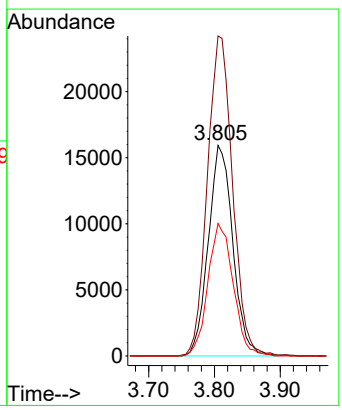


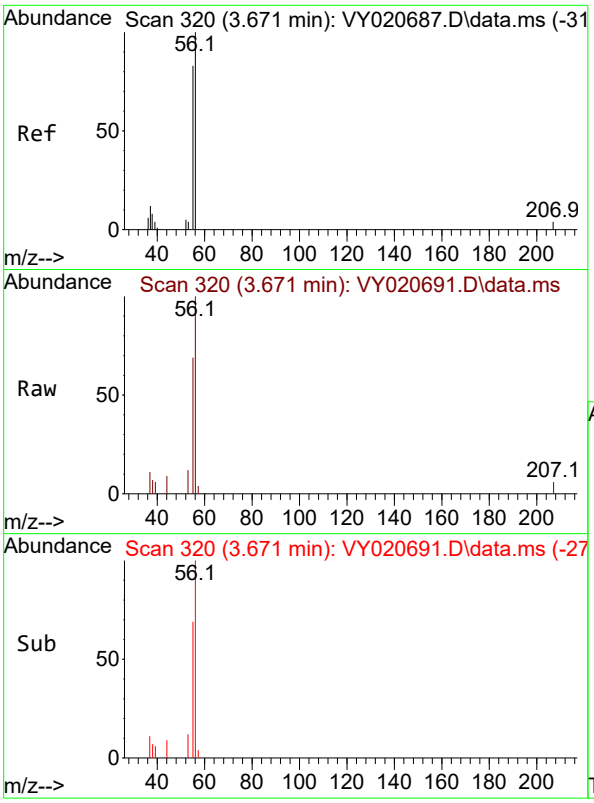


#12
1,1-Dichloroethene
Concen: 51.959 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 96 Resp: 41447

Ion	Ratio	Lower	Upper
96	100		
61	151.9	136.9	205.3
98	62.9	50.2	75.4



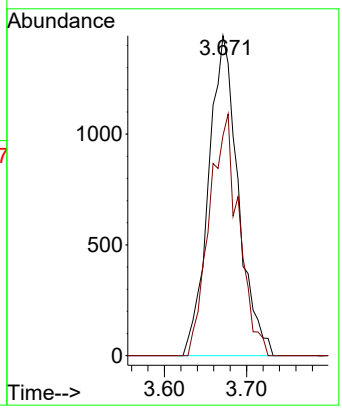


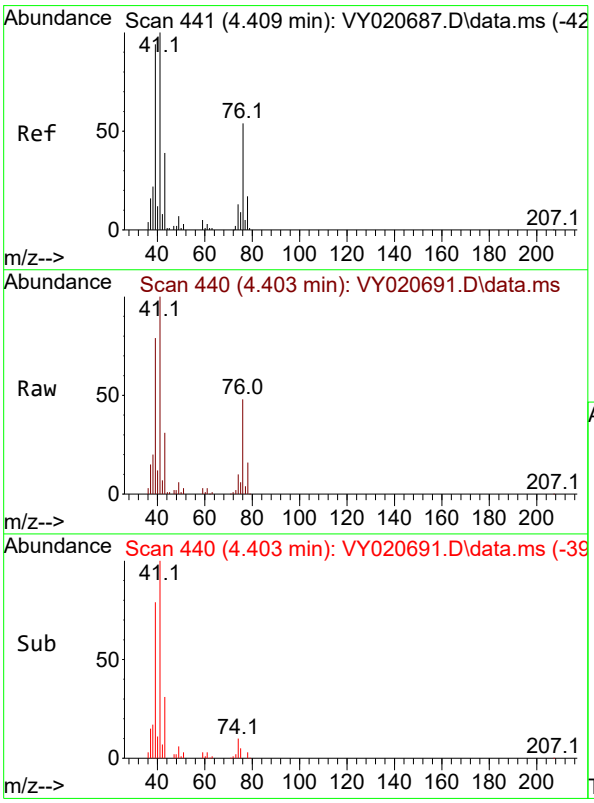
#13
Acrolein
Concen: 198.420 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 56 Resp: 3620

Ion	Ratio	Lower	Upper
56	100		
55	75.5	57.5	86.3

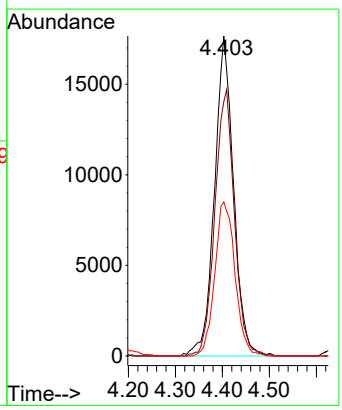


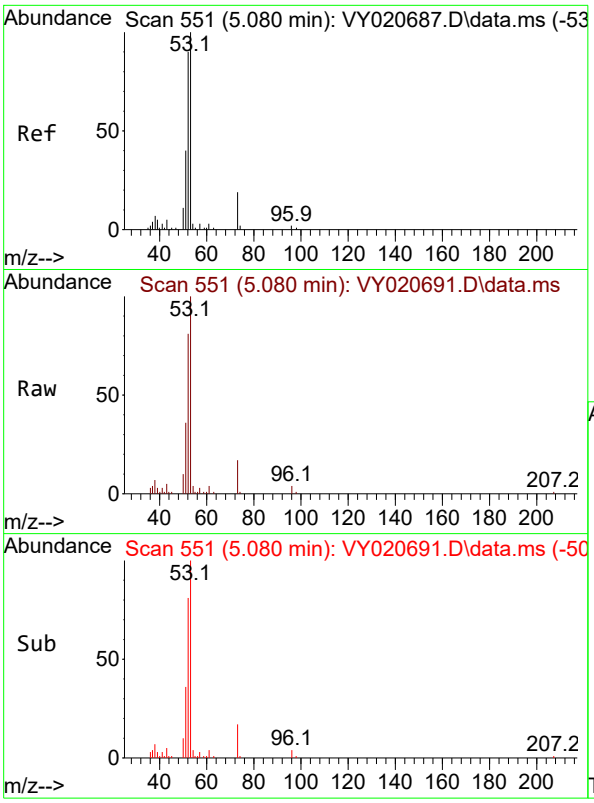


#14
Allyl chloride
Concen: 53.230 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 41 Resp: 49792

Ion	Ratio	Lower	Upper
41	100		
39	85.6	53.0	79.4#
76	51.1	29.5	44.3#



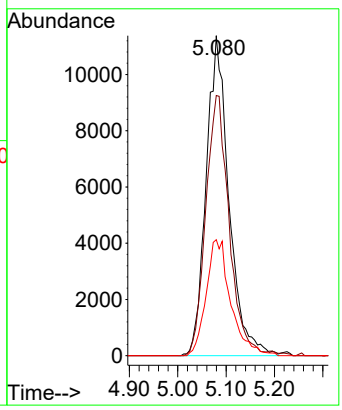


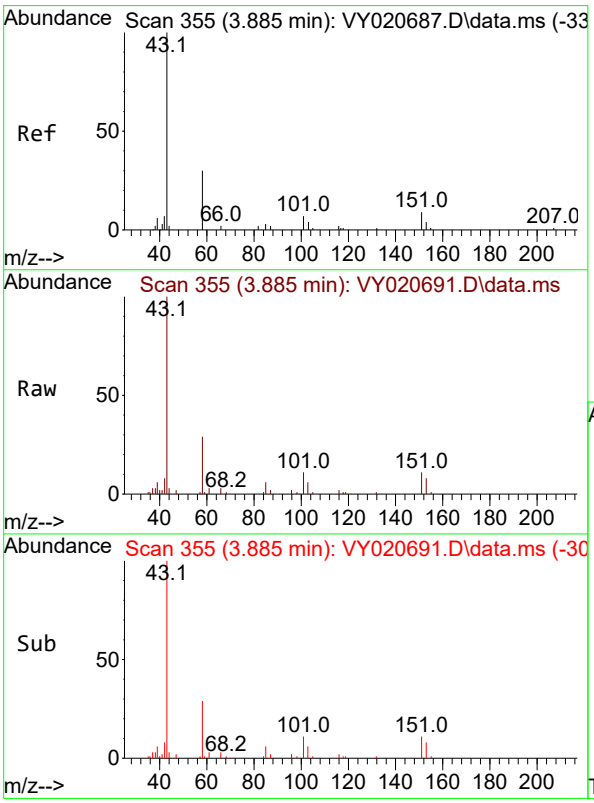
#15
Acrylonitrile
Concen: 255.978 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 53 Resp: 37172

Ion	Ratio	Lower	Upper
53	100		
52	83.2	64.5	96.7
51	39.3	29.4	44.0

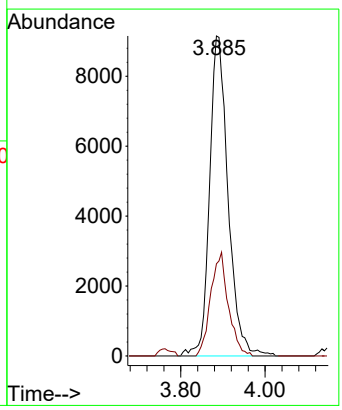


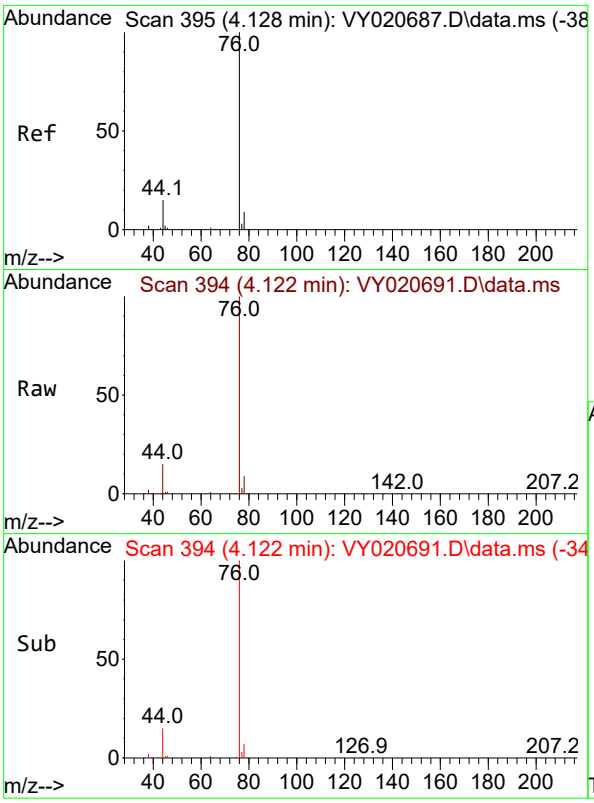


#16
Acetone
Concen: 230.728 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 27917

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.0	37.6



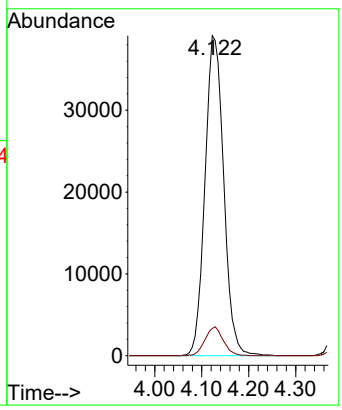


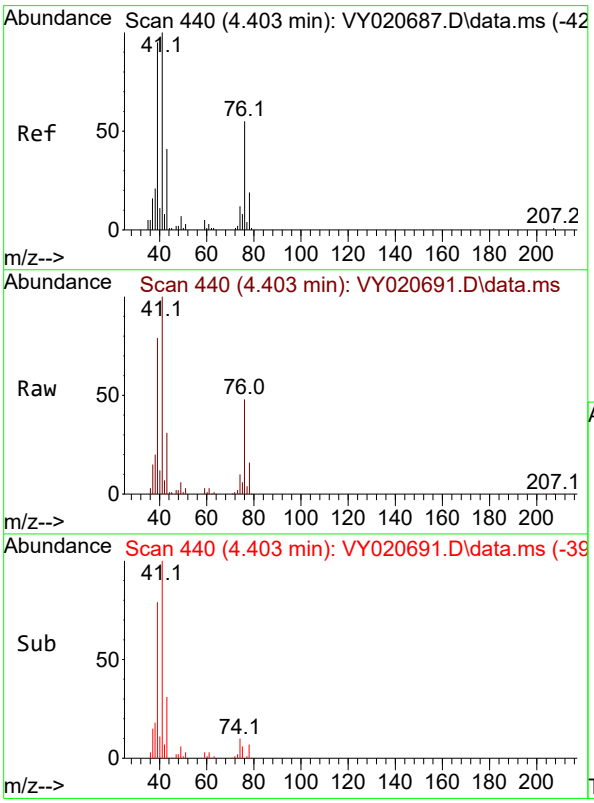
#17
Carbon Disulfide
Concen: 54.332 ug/l
RT: 4.122 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 76 Resp: 108056

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

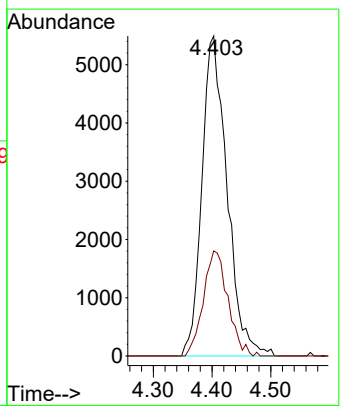


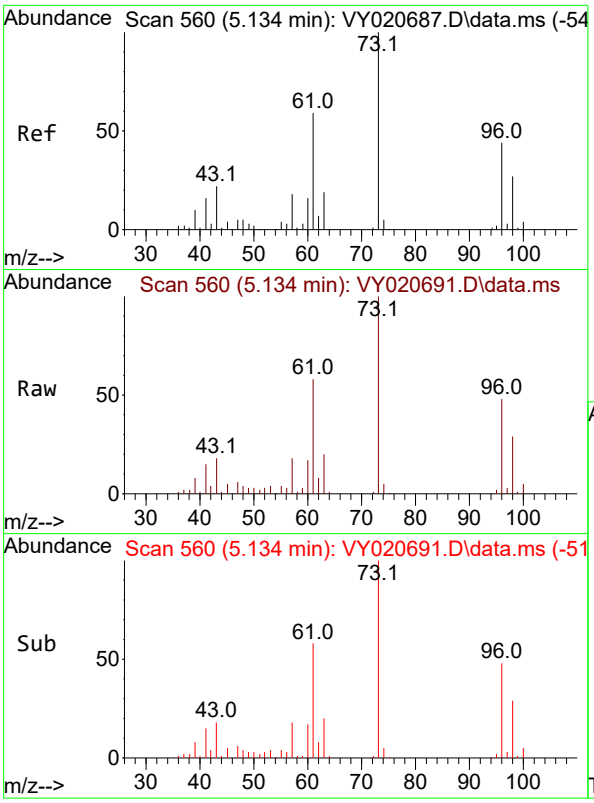


#18
Methyl Acetate
Concen: 52.099 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 16309

Ion	Ratio	Lower	Upper
43	100		
74	32.0	19.2	28.8#



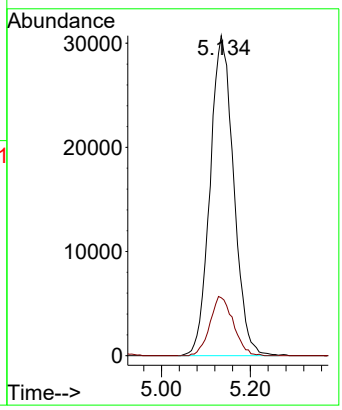


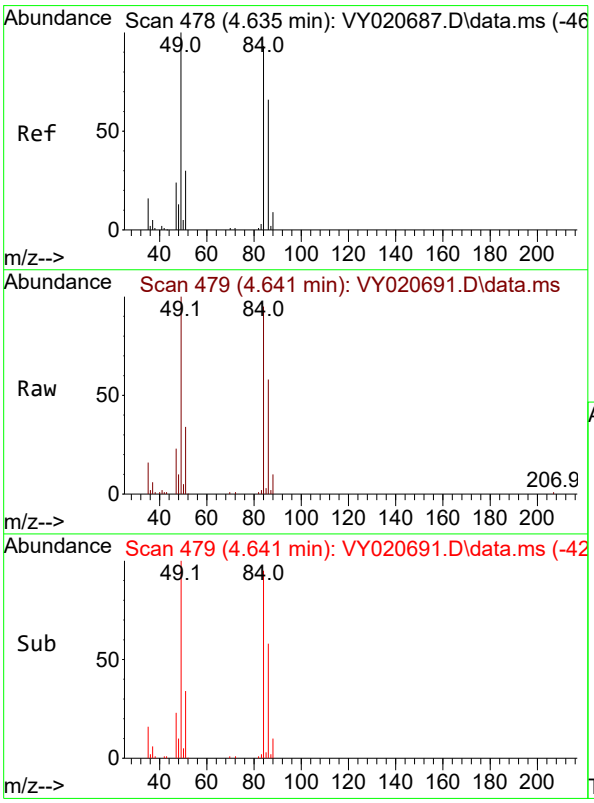
#19
Methyl tert-butyl Ether
Concen: 52.169 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 73 Resp: 113195

Ion	Ratio	Lower	Upper
73	100		
57	18.1	18.5	27.7#

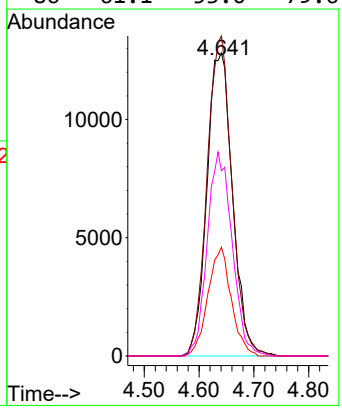


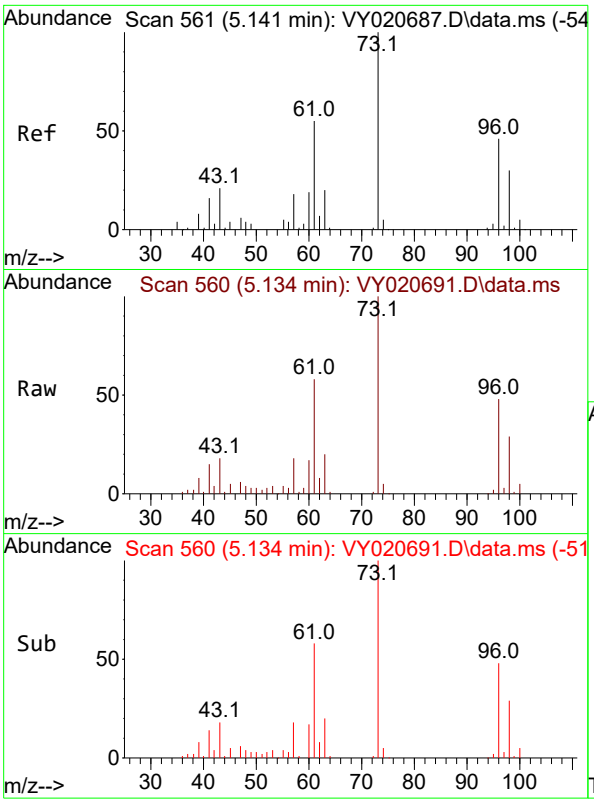


#20
Methylene Chloride
Concen: 51.688 ug/l
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 84 Resp: 41675

Ion	Ratio	Lower	Upper
84	100		
49	105.6	100.7	151.1
51	35.9	32.2	48.2
86	61.1	53.0	79.6



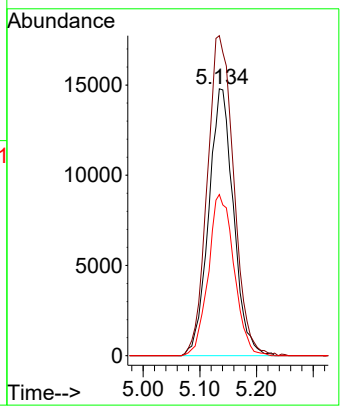


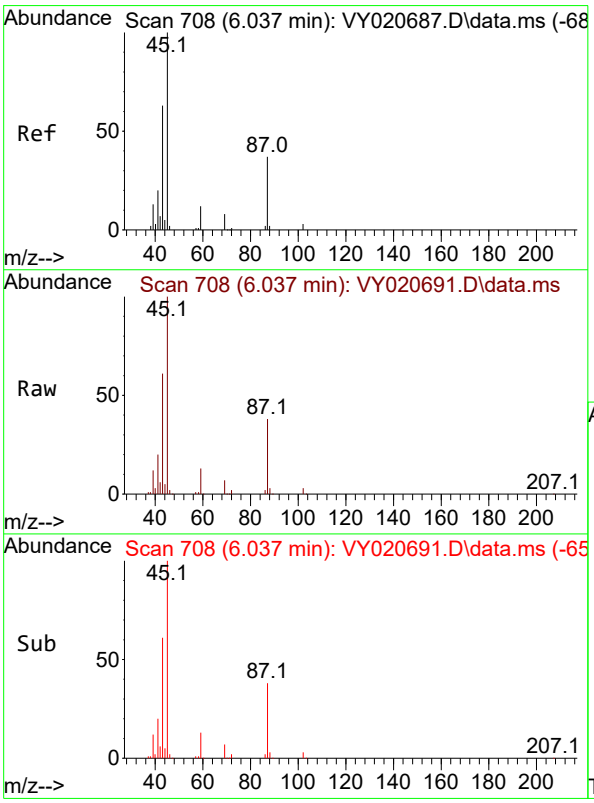
#21
trans-1,2-Dichloroethene
Concen: 52.333 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 96 Resp: 45012

Ion	Ratio	Lower	Upper
96	100		
61	119.9	113.7	170.5
98	60.4	51.7	77.5

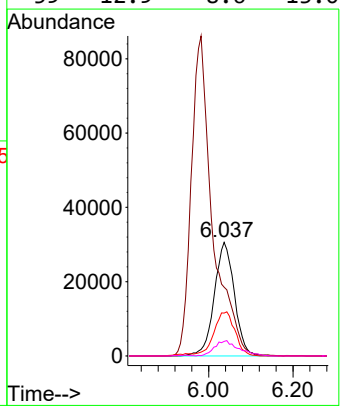


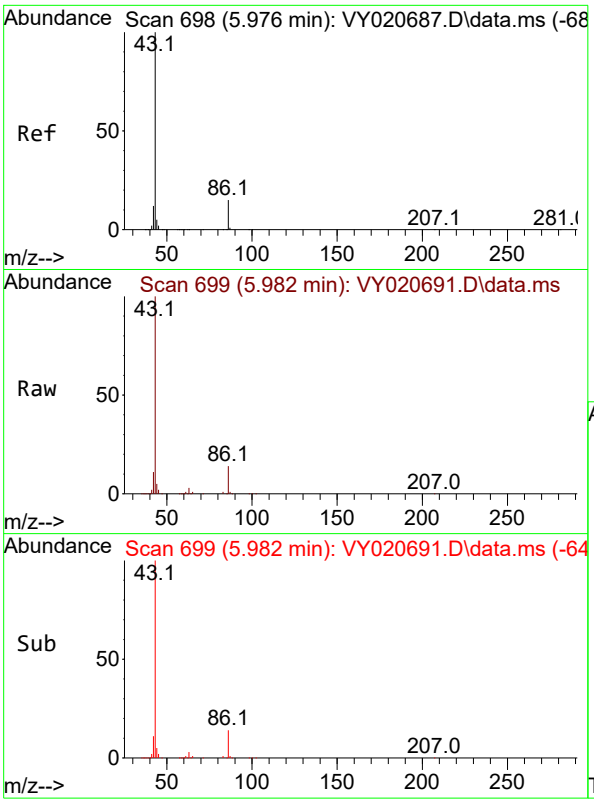


#22
Diisopropyl ether
Concen: 52.766 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 45 Resp: 100906

Ion	Ratio	Lower	Upper
45	100		
43	60.2	42.6	64.0
87	37.7	20.6	31.0#
59	12.9	8.6	13.0



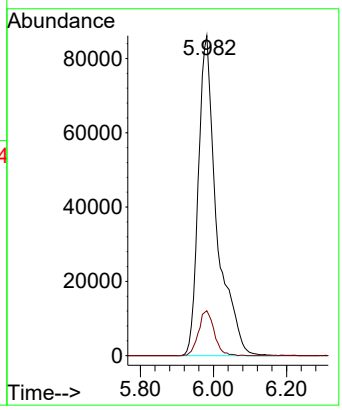


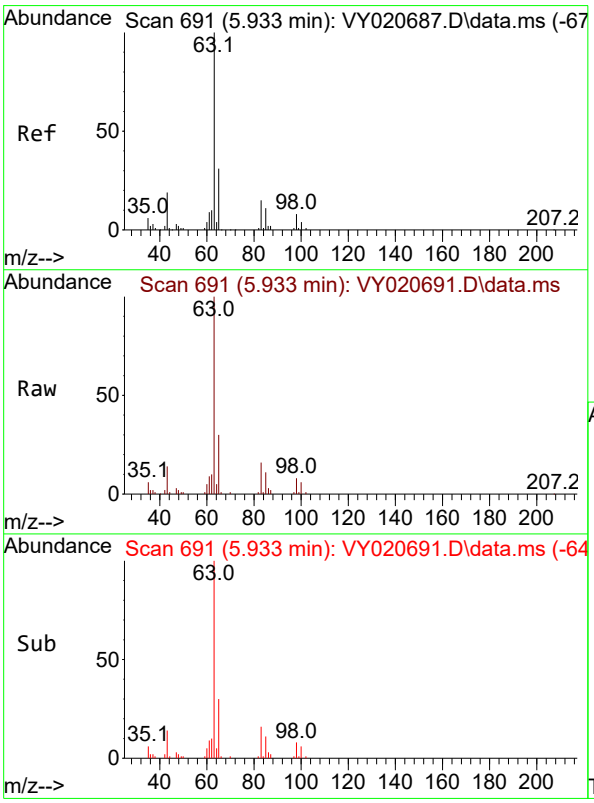
#23
Vinyl Acetate
Concen: 266.212 ug/l
RT: 5.982 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 301455

Ion	Ratio	Lower	Upper
43	100		
86	14.0	8.1	12.1#

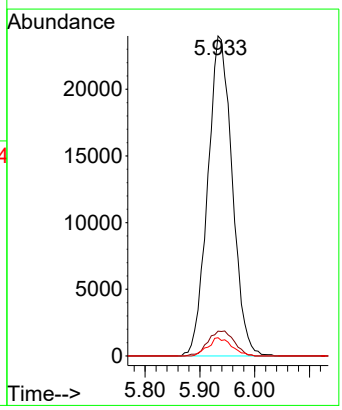


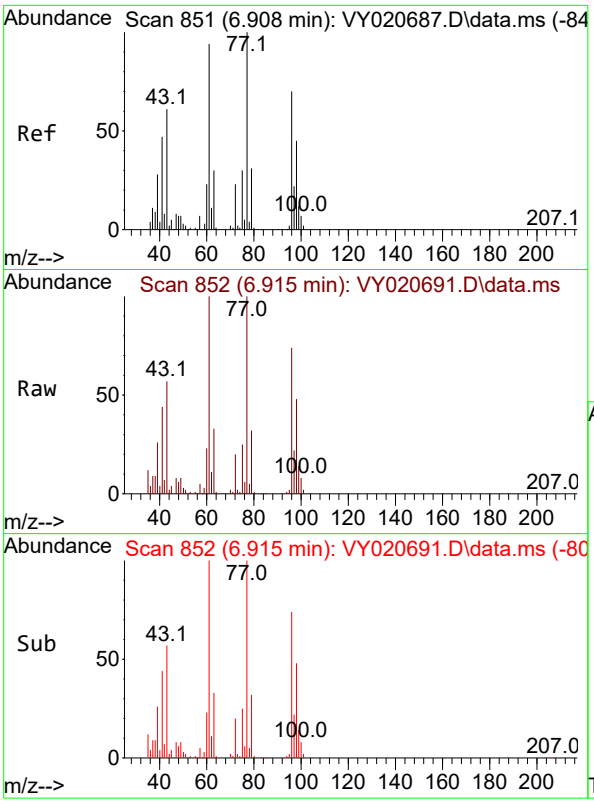


#24
1,1-Dichloroethane
Concen: 52.176 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 63 Resp: 74382

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.1
100	5.7	2.1	6.5



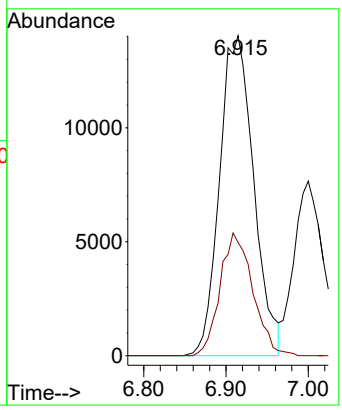


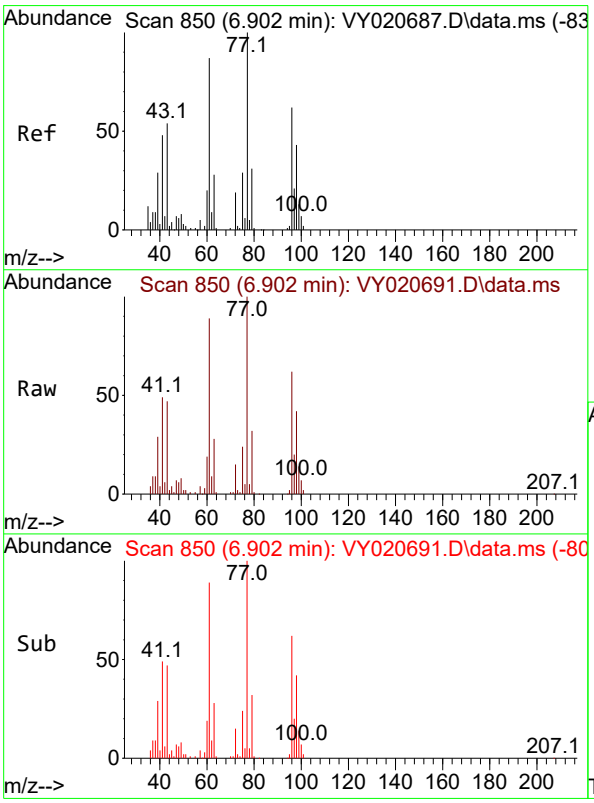
#25
2-Butanone
Concen: 238.673 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 40567

Ion	Ratio	Lower	Upper
43	100		
72	35.4	20.6	31.0#

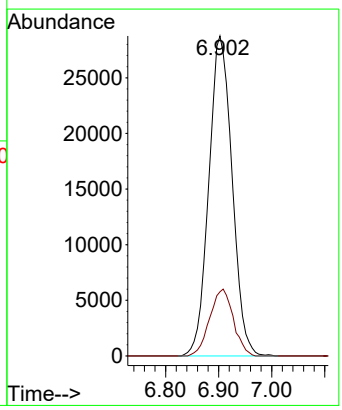


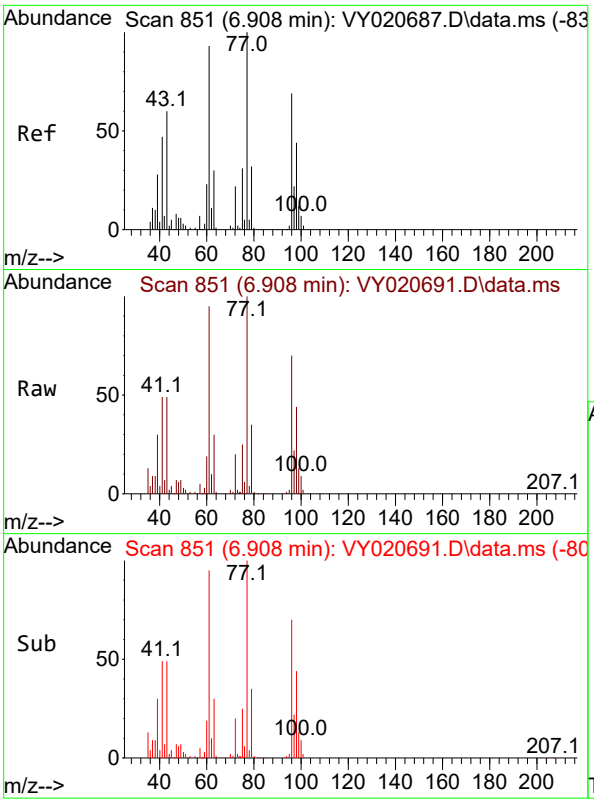


#26
2,2-Dichloropropane
Concen: 49.220 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 77 Resp: 87787

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.6



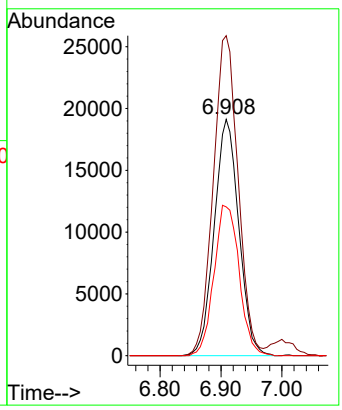


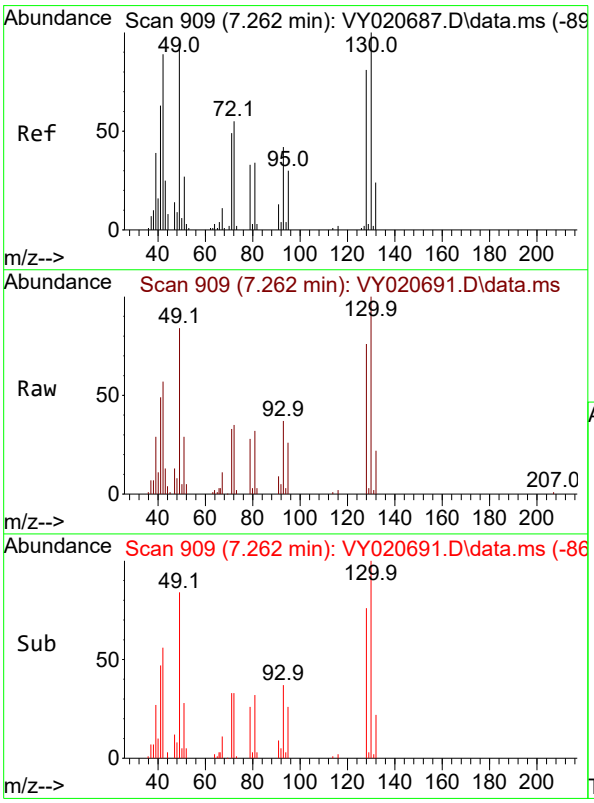
#27
cis-1,2-Dichloroethene
Concen: 52.271 ug/l
RT: 6.908 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 96 Resp: 53548

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	306.2
98	65.2	0.0	127.2

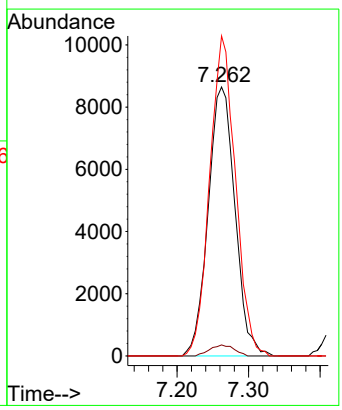


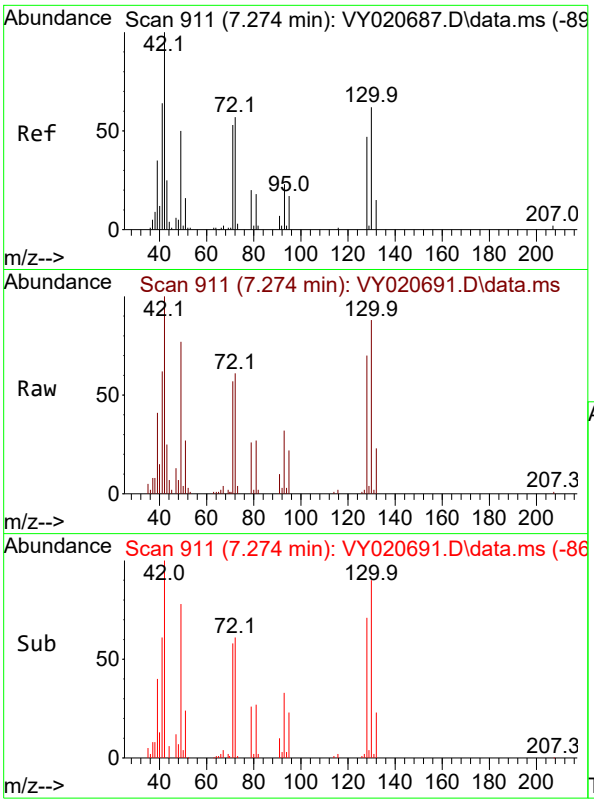


#28
Bromochloromethane
Concen: 52.907 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 49 Resp: 22519

Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	3.8
130	114.2	58.3	87.5#



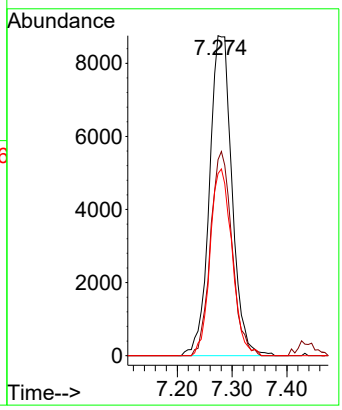


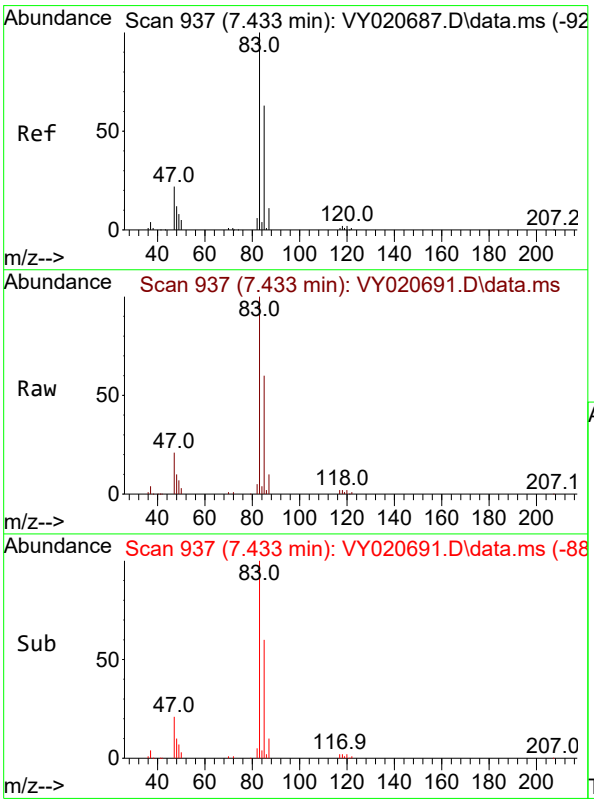
#29
Tetrahydrofuran
Concen: 249.938 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 42 Resp: 24969

Ion	Ratio	Lower	Upper
42	100		
72	60.9	34.0	51.0#
71	56.5	31.6	47.4#

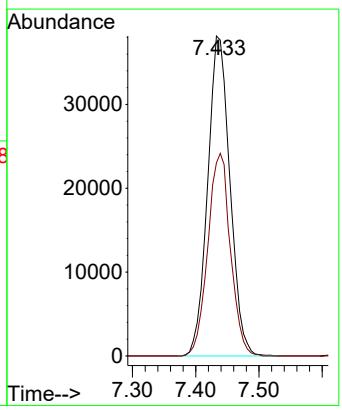


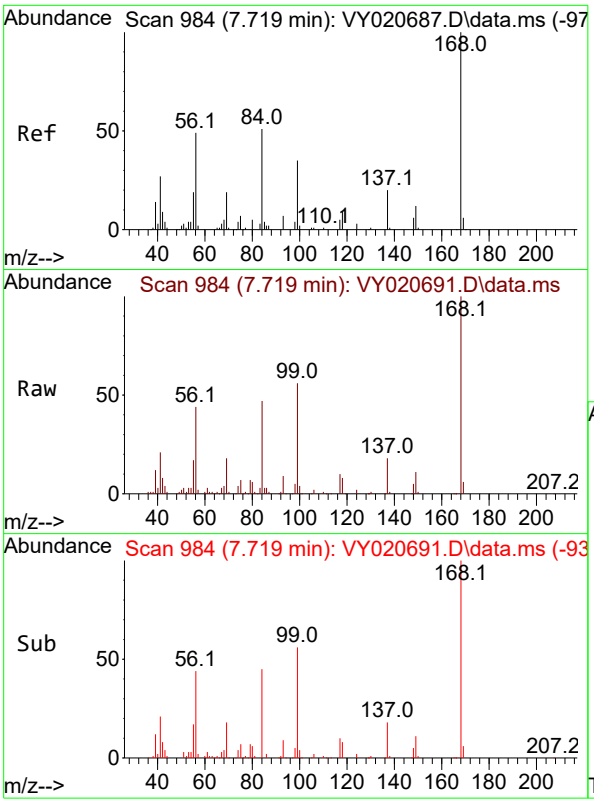


#30
Chloroform
Concen: 49.838 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 83 Resp: 93391

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.7	79.1



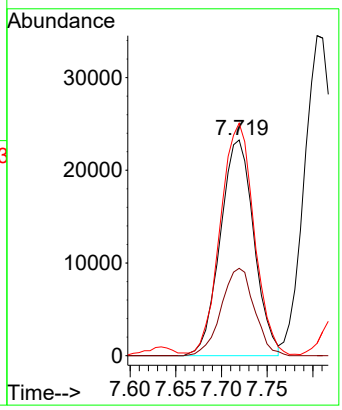


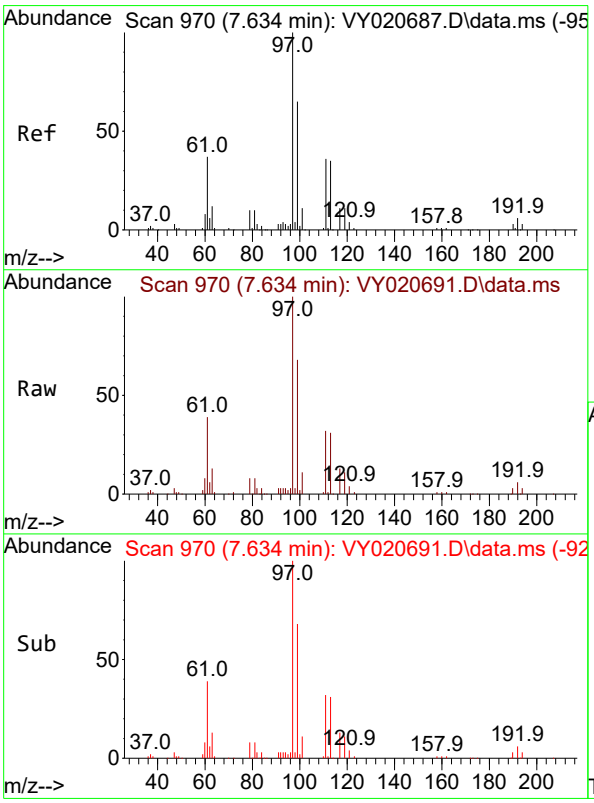
#31
Cyclohexane
Concen: 47.751 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 56 Resp: 59687

Ion	Ratio	Lower	Upper
56	100		
69	40.5	25.4	38.0#
84	106.5	68.3	102.5#

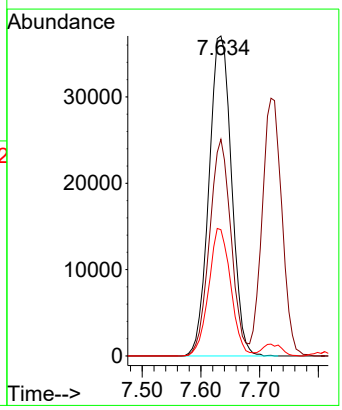


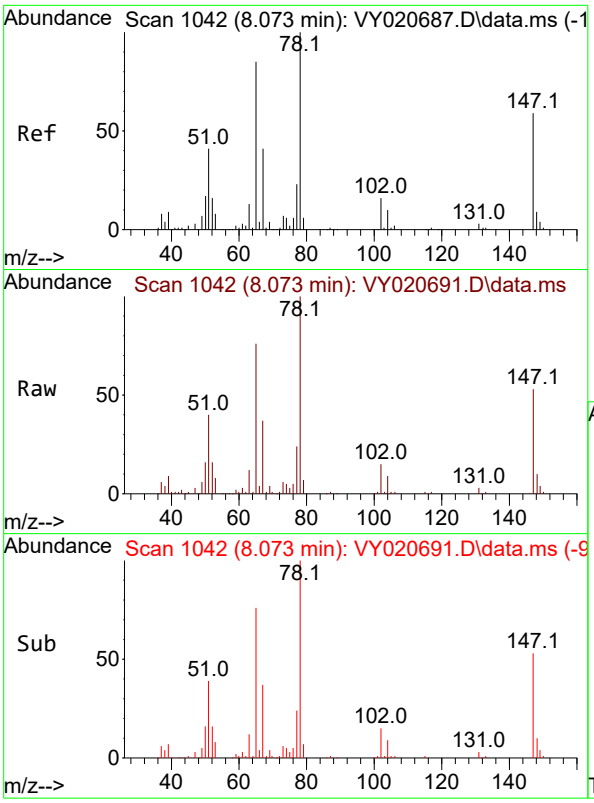


#32
1,1,1-Trichloroethane
Concen: 50.458 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 97 Resp: 98779

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	39.0	34.7	52.1



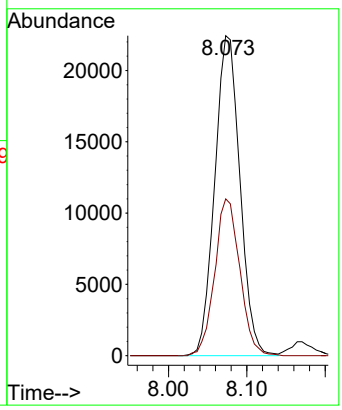


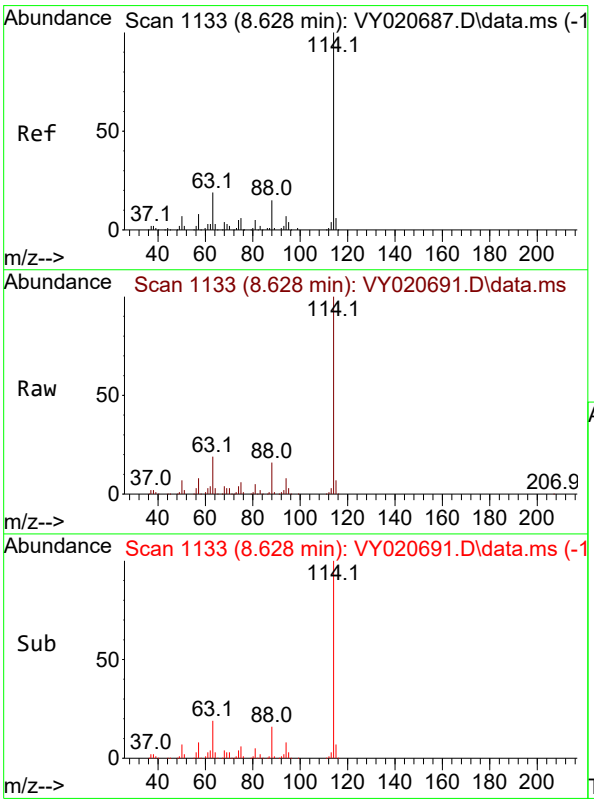
#33
1,2-Dichloroethane-d4
Concen: 47.345 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 65 Resp: 50153

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	108.0

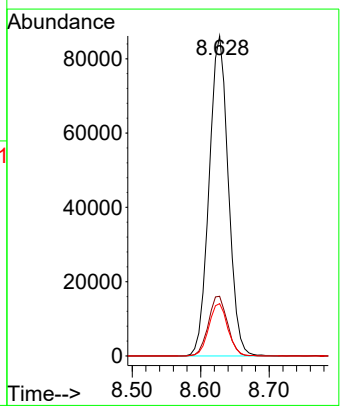


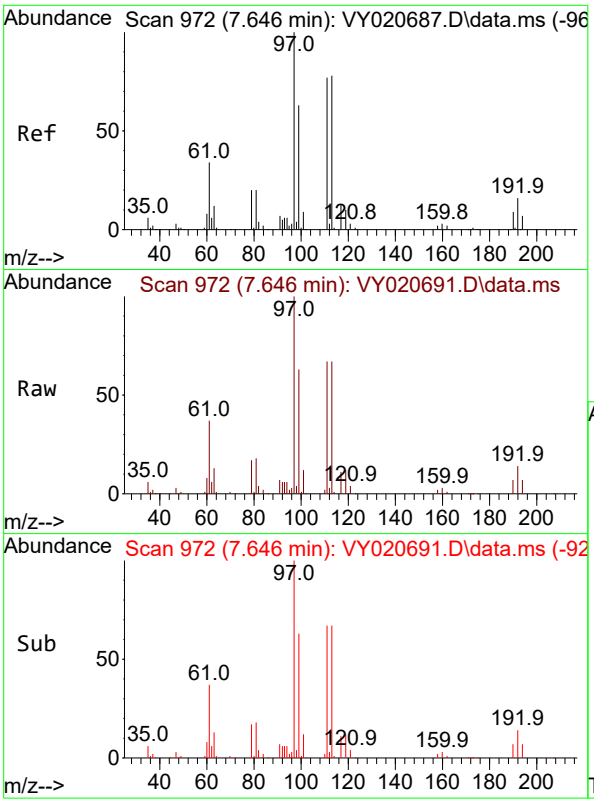


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:114 Resp: 167175

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	44.0
88	16.4	0.0	32.8



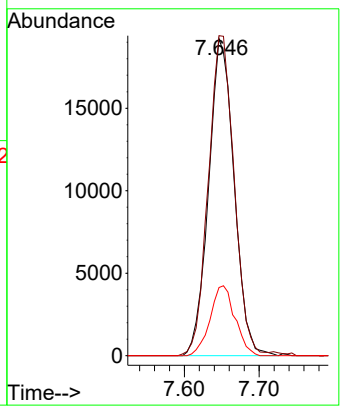


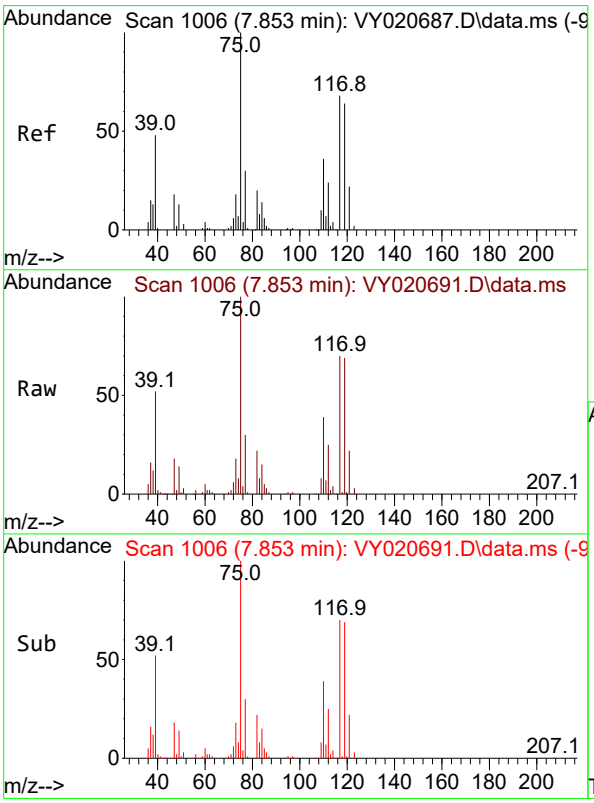
#35
Dibromofluoromethane
Concen: 46.401 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:113 Resp: 45548

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	21.6	15.7	23.5

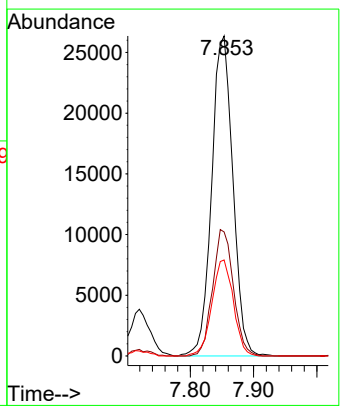


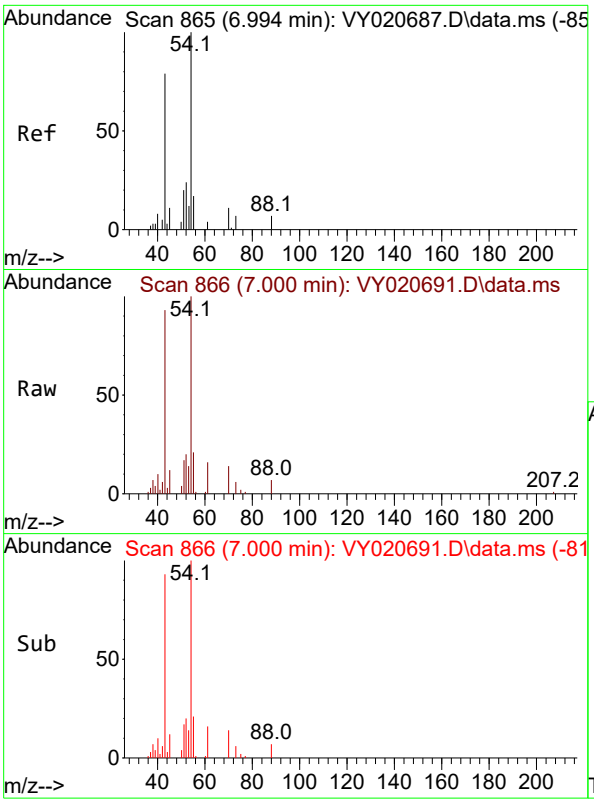


#36
1,1-Dichloropropene
Concen: 51.538 ug/l
RT: 7.853 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 61494

Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.8	50.4
77	30.3	25.0	37.6



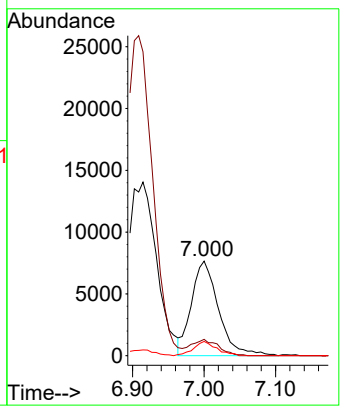


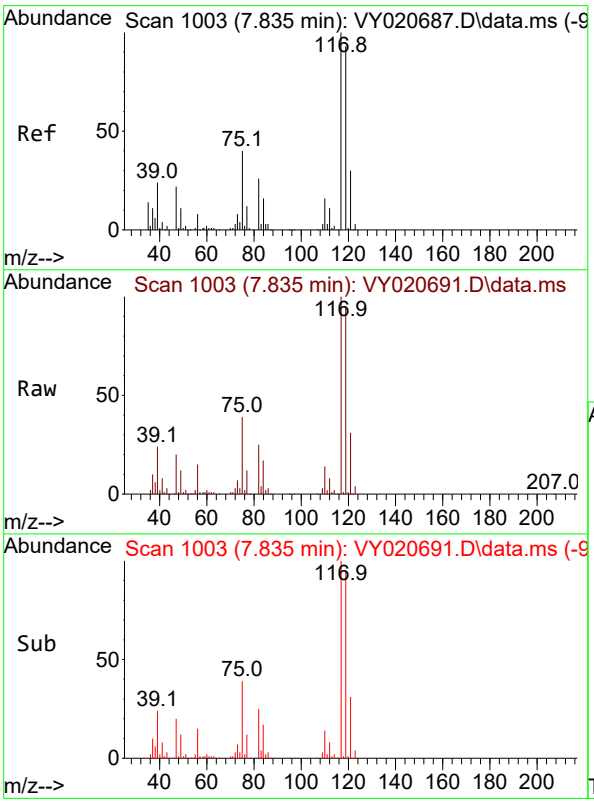
#37
Ethyl Acetate
Concen: 51.669 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 20148

Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.0	16.4#
70	12.7	7.9	11.9#

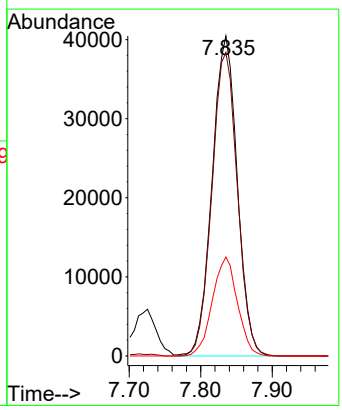


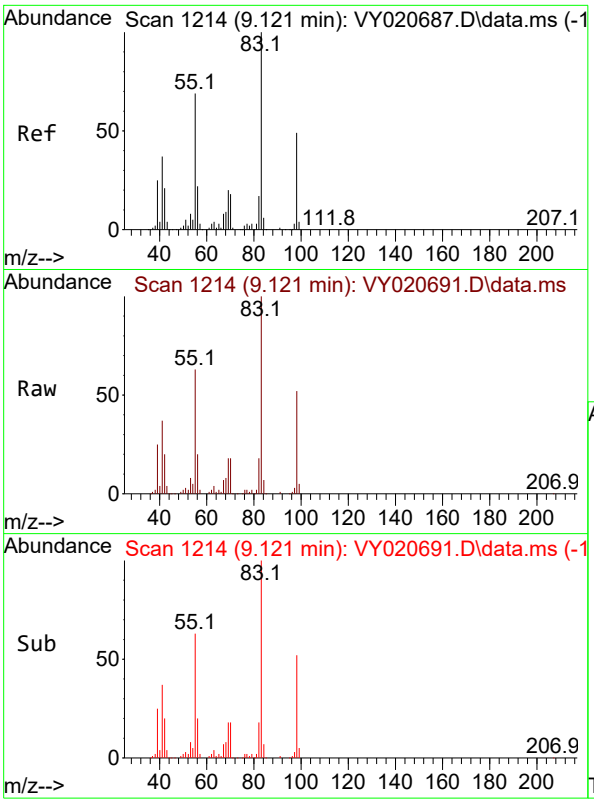


#38
Carbon Tetrachloride
Concen: 51.140 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:117 Resp: 98743

Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.3	117.5
121	30.9	25.1	37.7



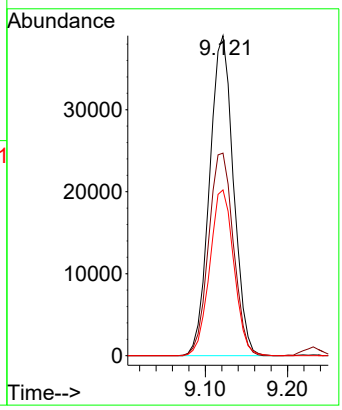


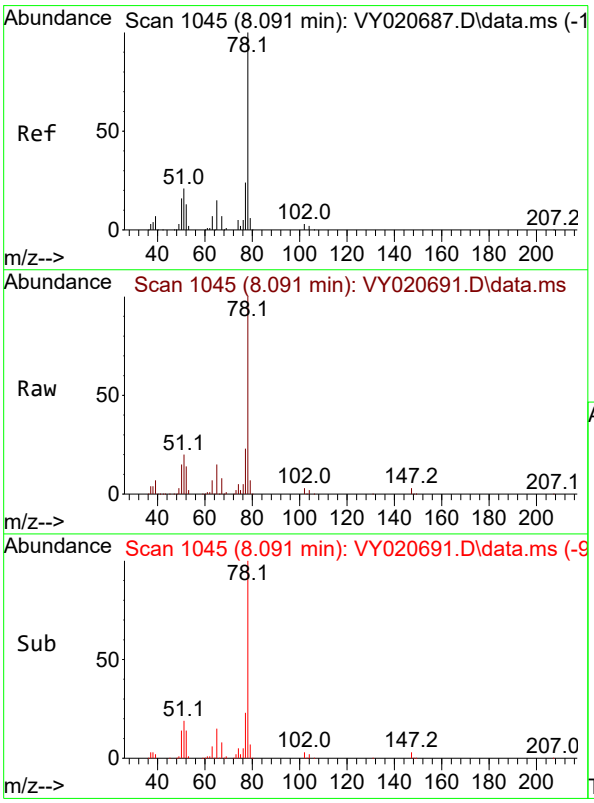
#39
Methylcyclohexane
Concen: 51.850 ug/l
RT: 9.121 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 83 Resp: 78636

Ion	Ratio	Lower	Upper
83	100		
55	63.3	61.4	92.0
98	51.8	37.3	55.9

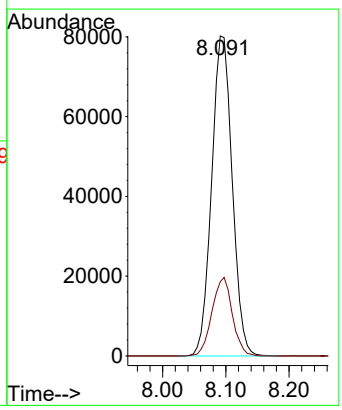


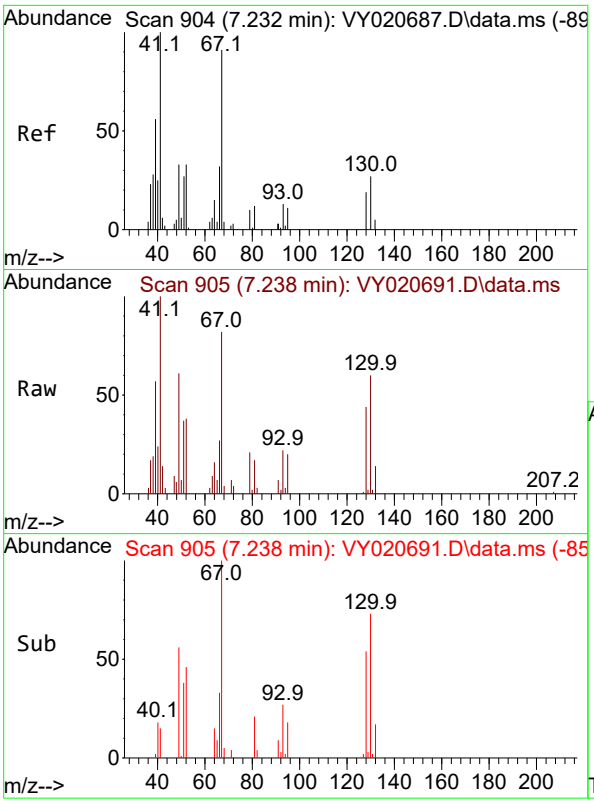


#40
Benzene
Concen: 52.566 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 78 Resp: 180937

Ion	Ratio	Lower	Upper
78	100		
77	23.2	20.1	30.1



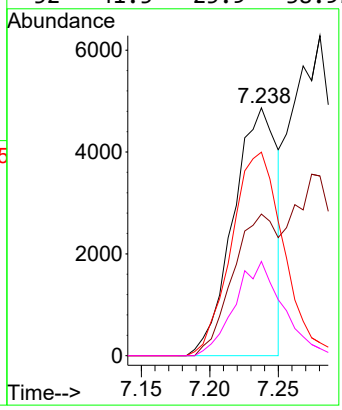


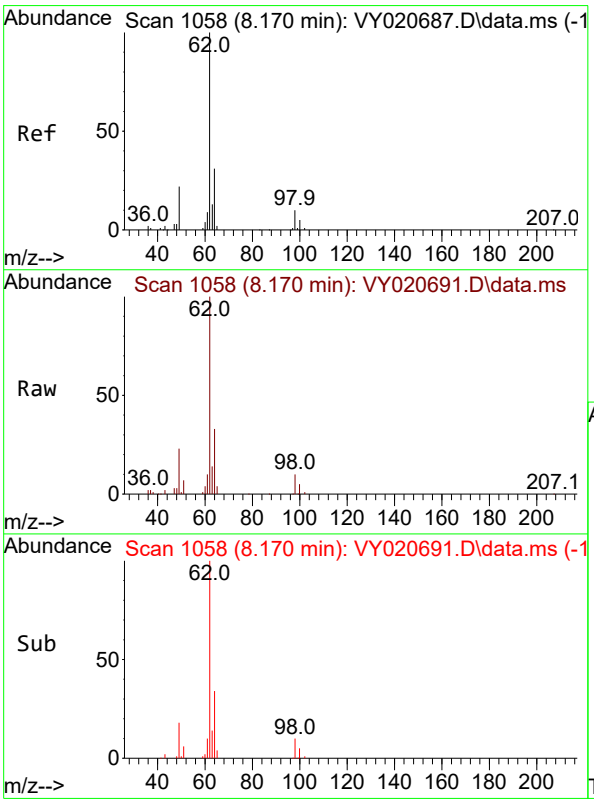
#41
Methacrylonitrile
Concen: 49.072 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 41 Resp: 10841

Ion	Ratio	Lower	Upper
41	100		
39	58.0	53.6	80.4
67	97.6	62.0	93.0#
52	41.5	25.9	38.9#

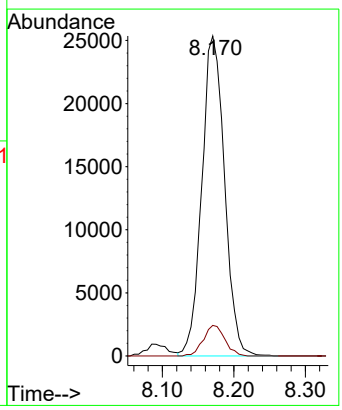


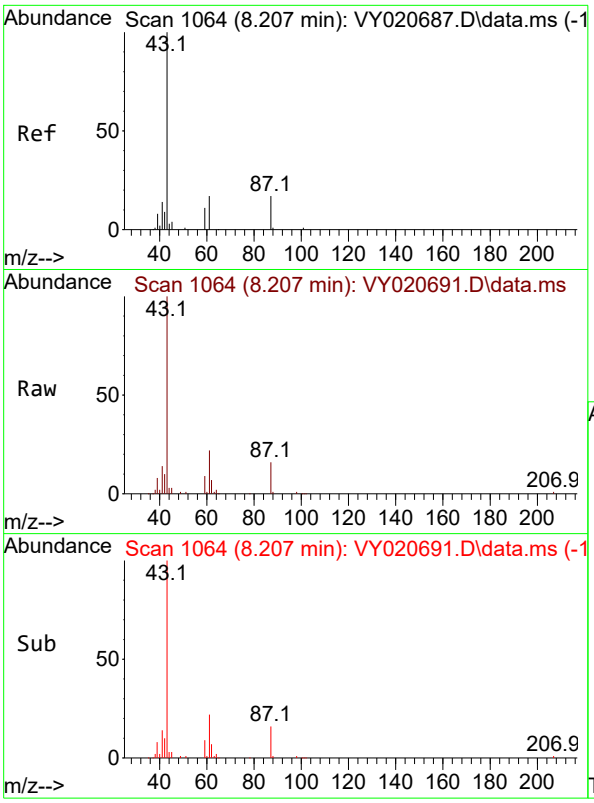


#42
1,2-Dichloroethane
Concen: 51.098 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 62 Resp: 55938

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0



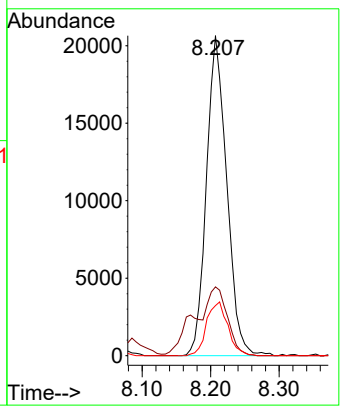


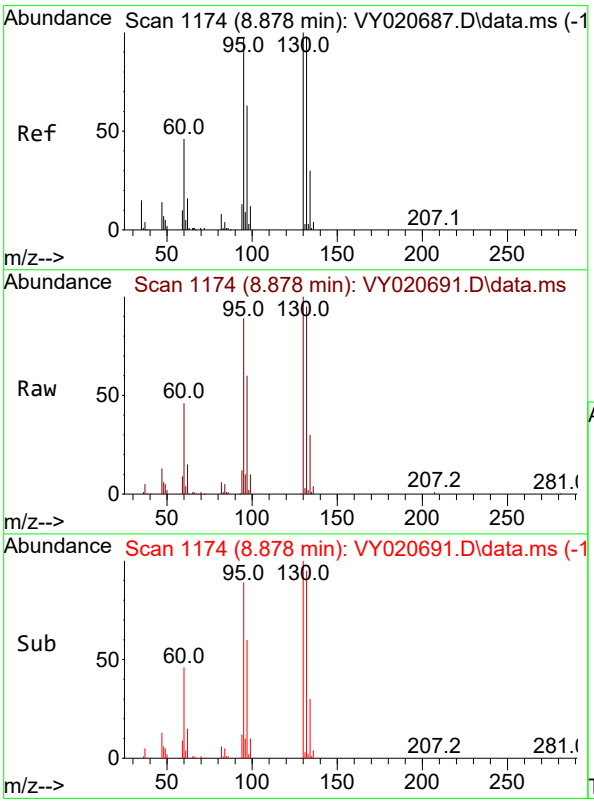
#43
Isopropyl Acetate
Concen: 52.443 ug/l
RT: 8.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 42503

Ion	Ratio	Lower	Upper
43	100		
61	21.1	23.8	35.6#
87	17.6	10.2	15.4#

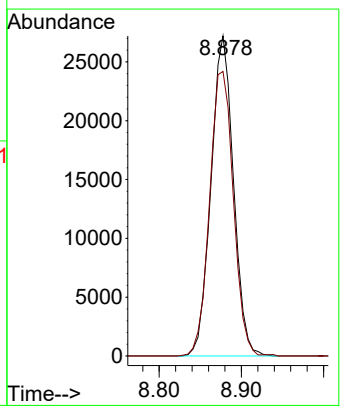


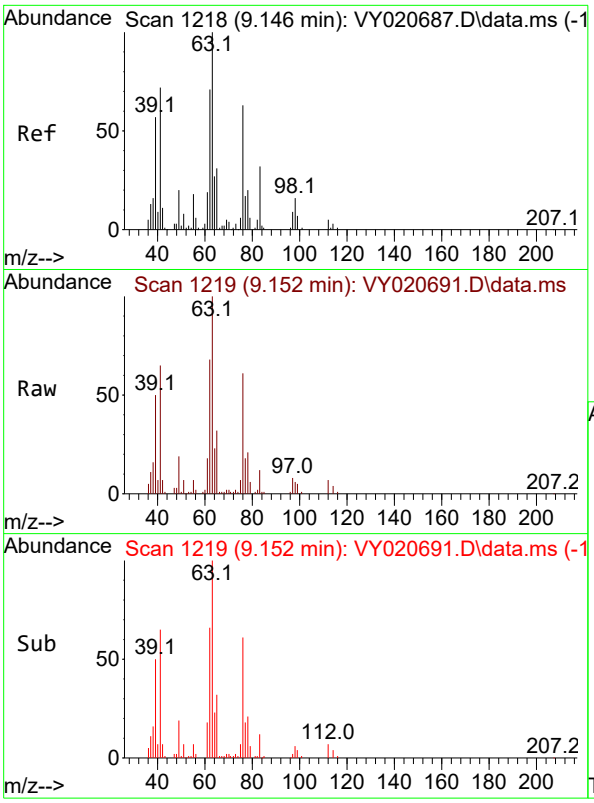


#44
Trichloroethene
Concen: 50.474 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:130 Resp: 51562

Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	203.2



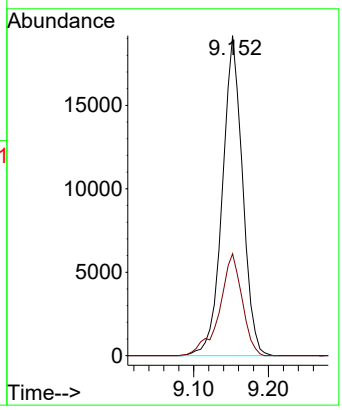


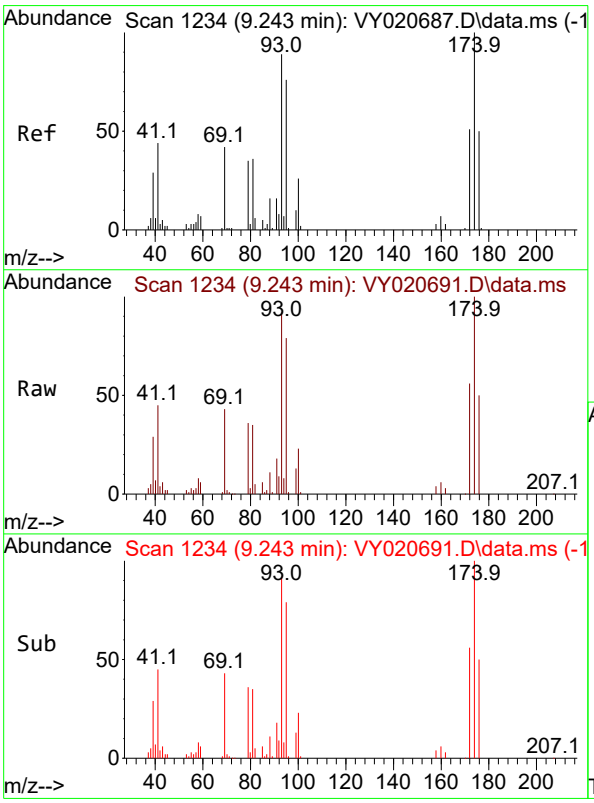
#45
1,2-Dichloropropane
Concen: 53.265 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 63 Resp: 36023

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9

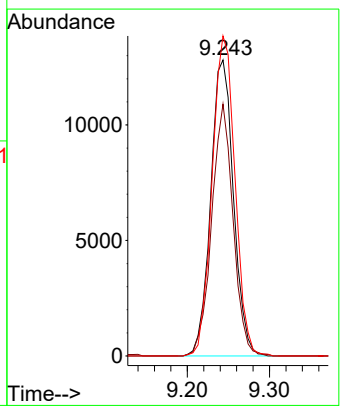


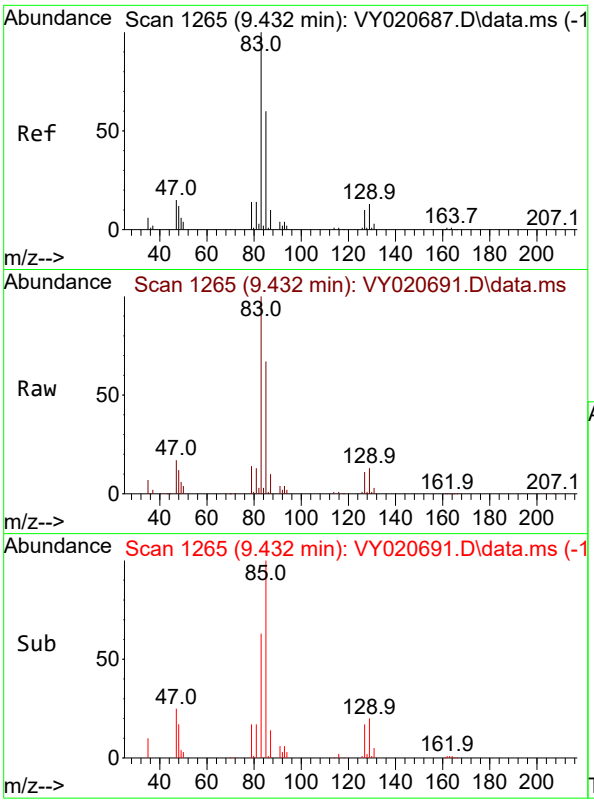


#46
Dibromomethane
Concen: 52.921 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 93 Resp: 24708

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.7	100.1
174	108.4	77.8	116.6



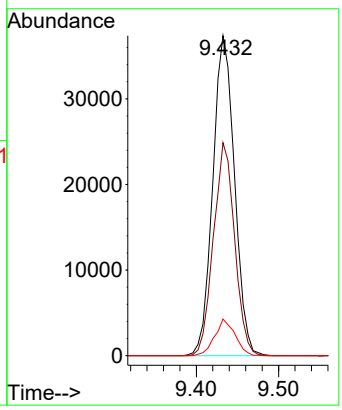


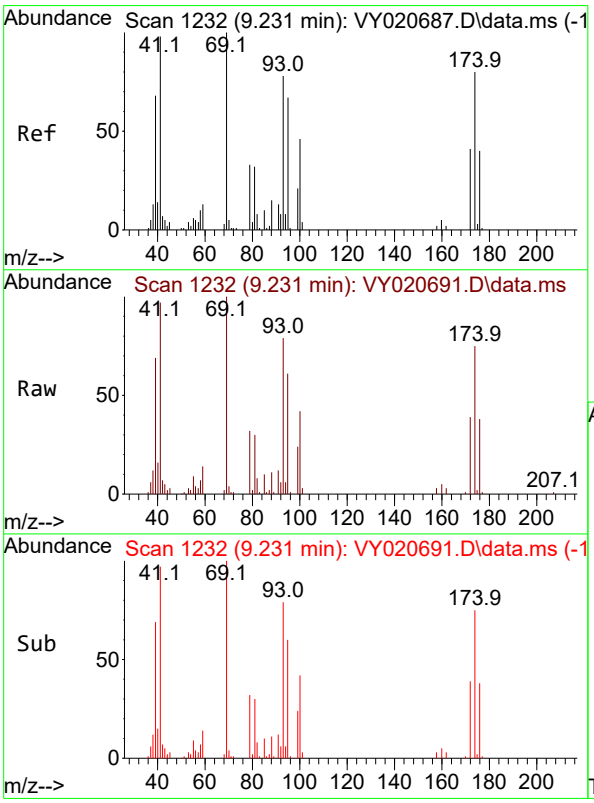
#47
Bromodichloromethane
Concen: 51.846 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 83 Resp: 68666

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1
127	11.4	6.7	10.1#

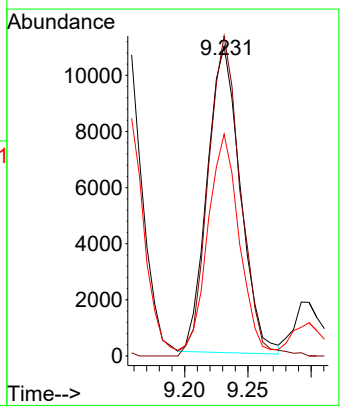


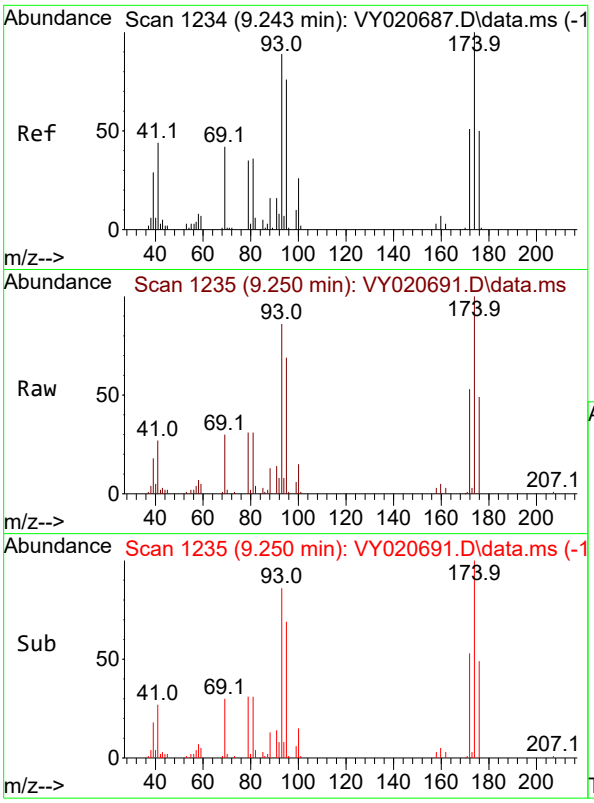


#48
Methyl methacrylate
Concen: 51.742 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 41 Resp: 19879

Ion	Ratio	Lower	Upper
41	100		
69	101.3	67.2	100.8#
39	65.8	42.2	63.4#



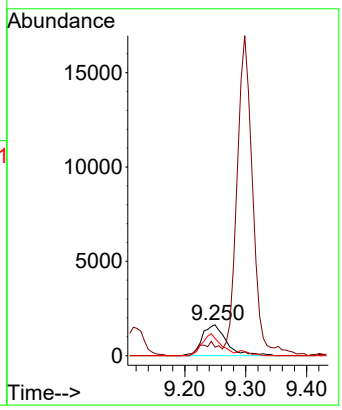


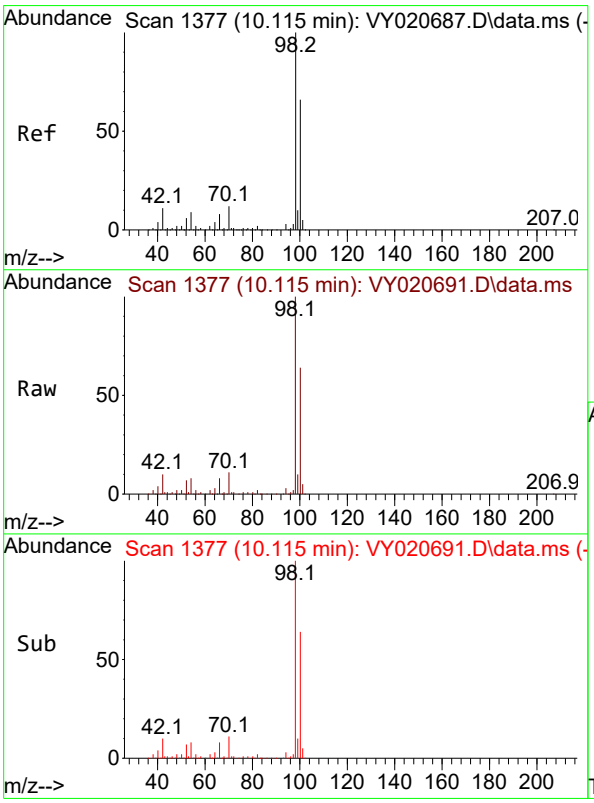
#49
1,4-Dioxane
Concen: 926.264 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 88 Resp: 4527

Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.6	41.4
58	54.6	61.7	92.5#

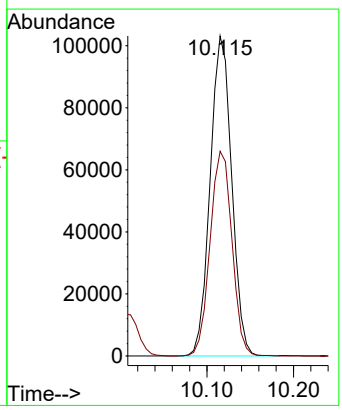


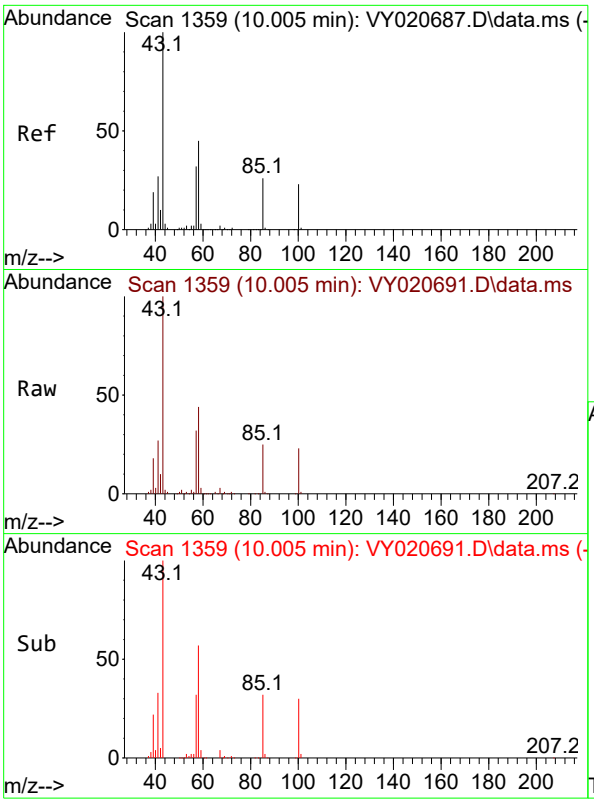


#50
Toluene-d8
Concen: 49.867 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 98 Resp: 177791

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



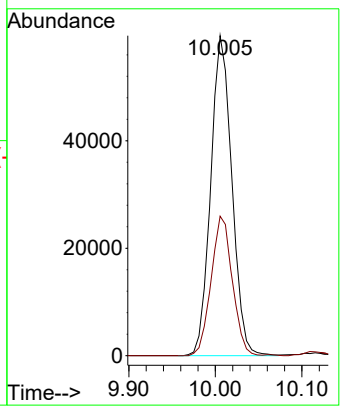


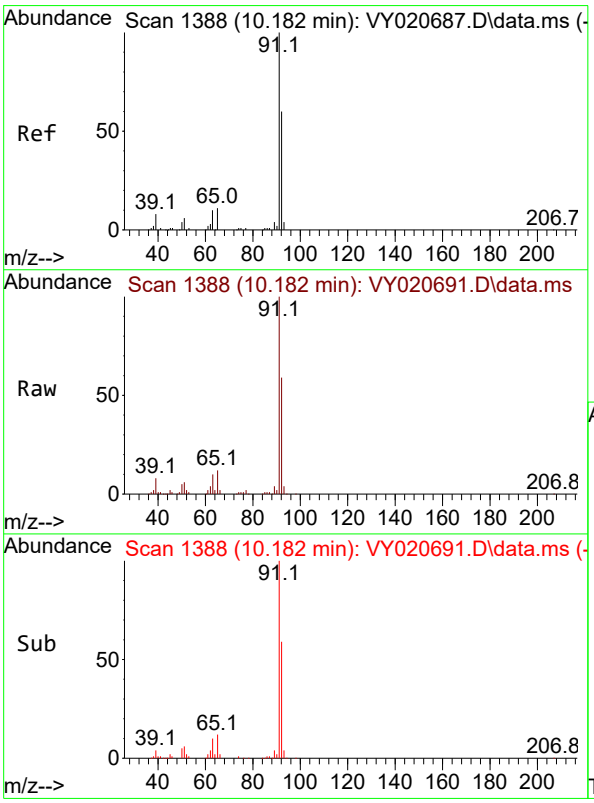
#51
4-Methyl-2-Pentanone
Concen: 249.741 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 101109

Ion	Ratio	Lower	Upper
43	100		
58	43.7	31.4	47.2

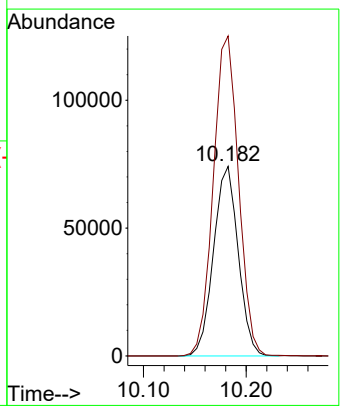


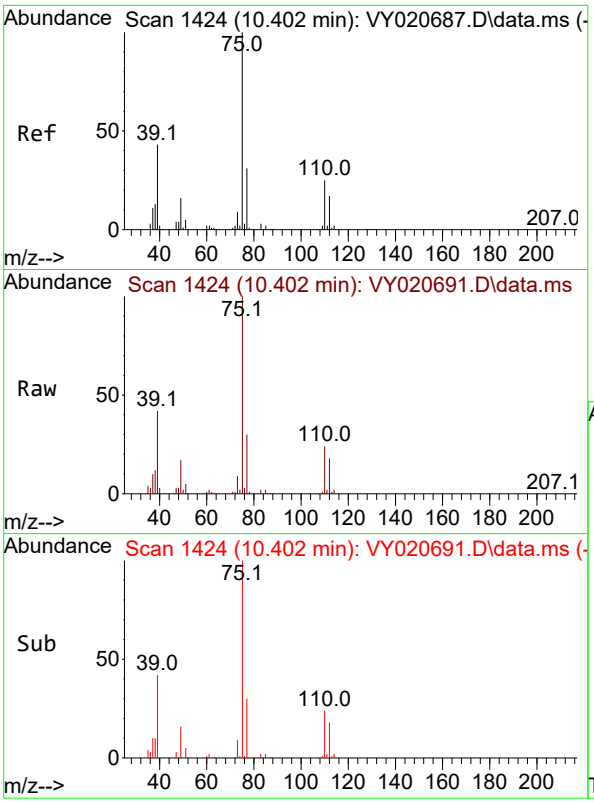


#52
Toluene
Concen: 52.641 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 92 Resp: 123390

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.0



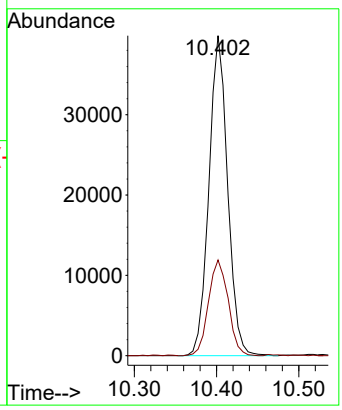


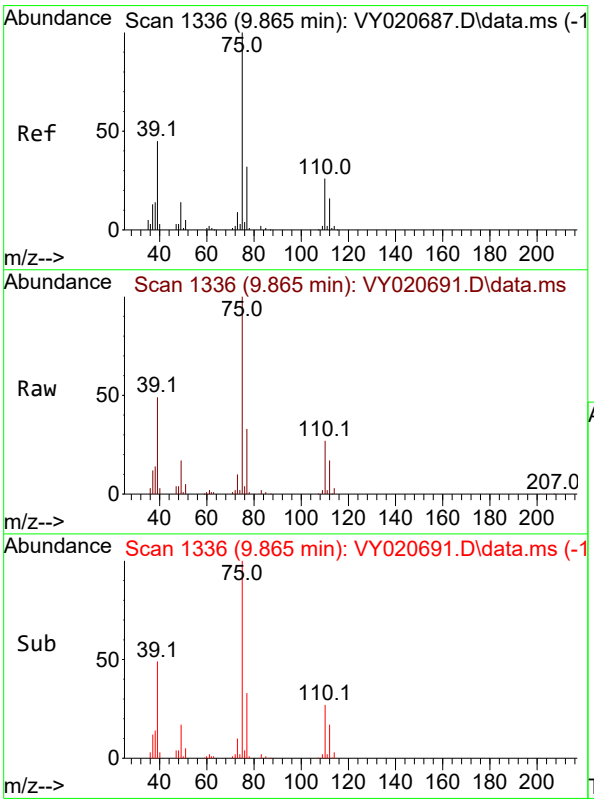
#53
t-1,3-Dichloropropene
Concen: 53.732 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 75 Resp: 62970

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.2

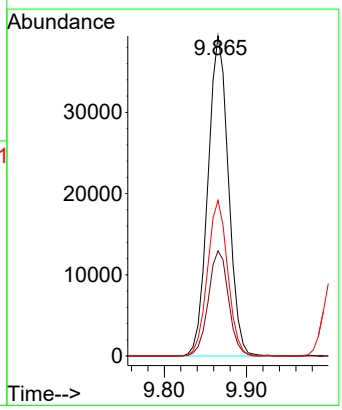


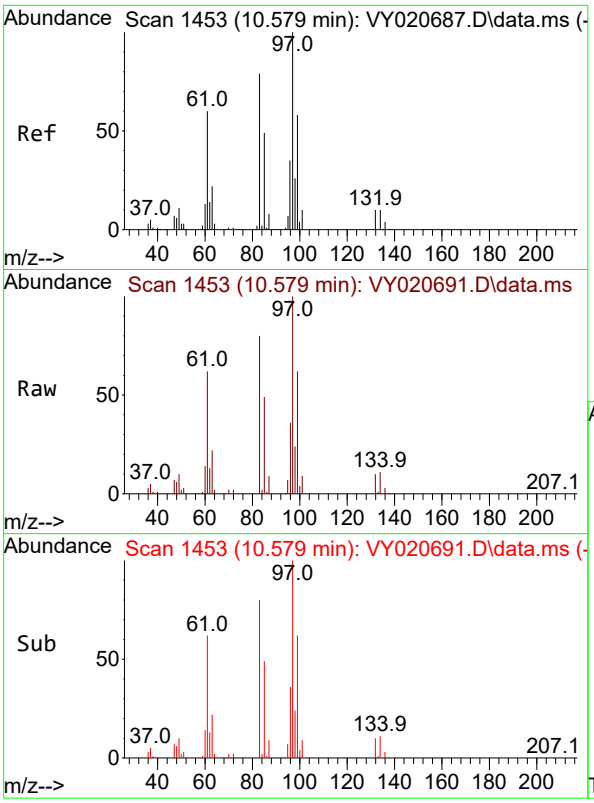


#54
cis-1,3-Dichloropropene
Concen: 52.743 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 68108

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	36.8
39	48.6	36.4	54.6



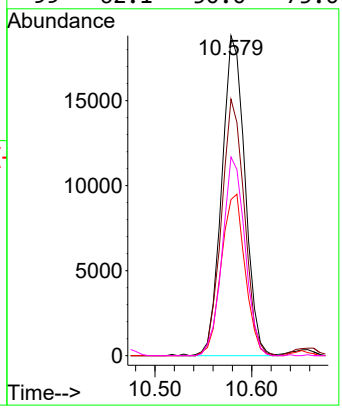


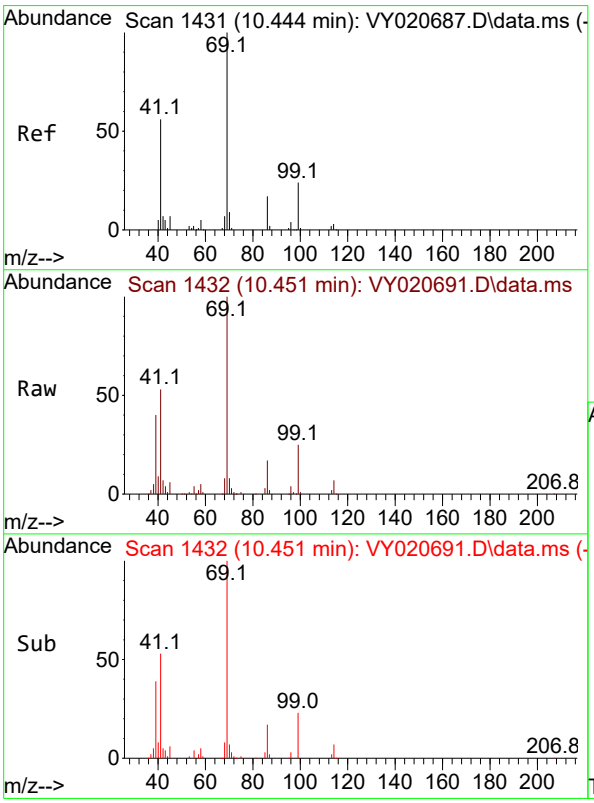
#55
1,1,2-Trichloroethane
Concen: 51.725 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 97 Resp: 31270

Ion	Ratio	Lower	Upper
97	100		
83	80.2	70.4	105.6
85	48.8	47.2	70.8
99	62.1	50.0	75.0

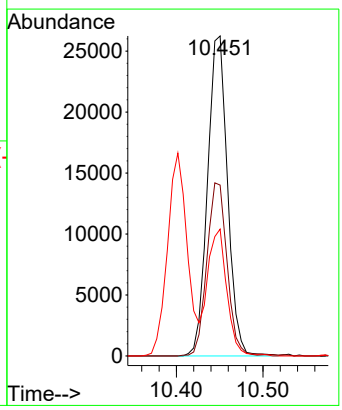


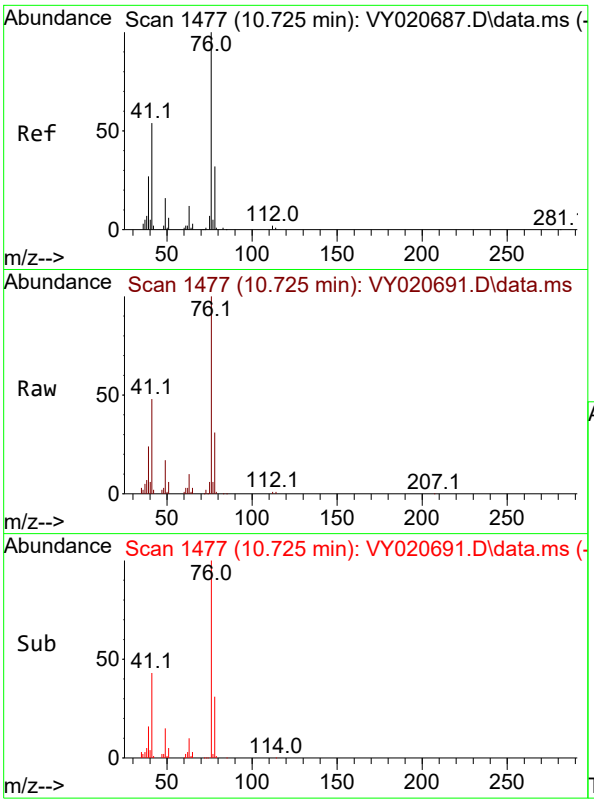


#56
Ethyl methacrylate
Concen: 54.626 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 69 Resp: 42125

Ion	Ratio	Lower	Upper
69	100		
41	54.4	54.0	81.0
39	38.3	27.9	41.9



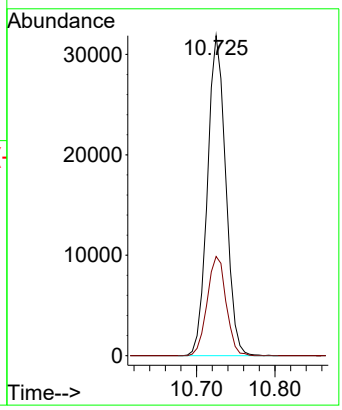


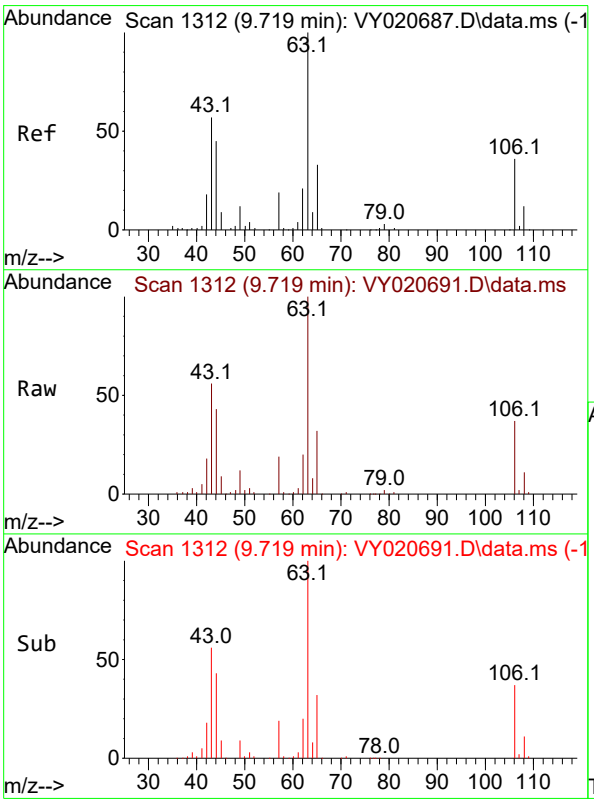
#57
1,3-Dichloropropane
Concen: 52.137 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 76 Resp: 51521

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

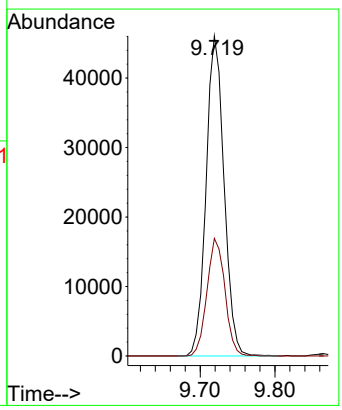


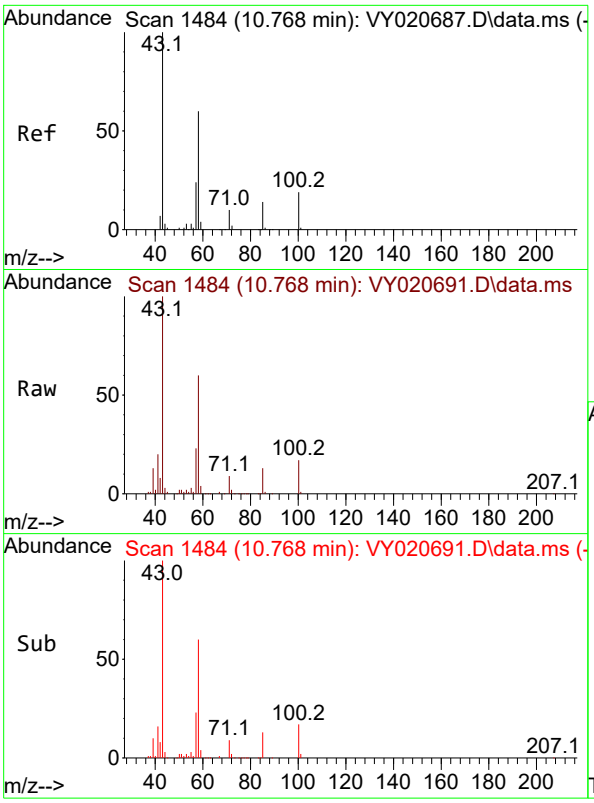


#58
2-Chloroethyl Vinyl ether
Concen: 266.463 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 63 Resp: 76787

Ion	Ratio	Lower	Upper
63	100		
106	36.8	21.5	32.3#



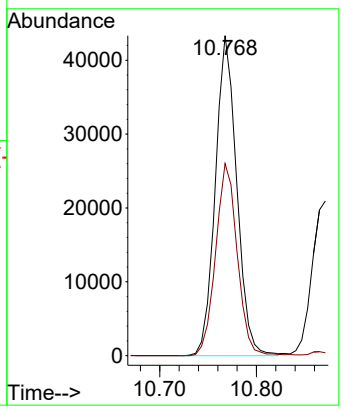


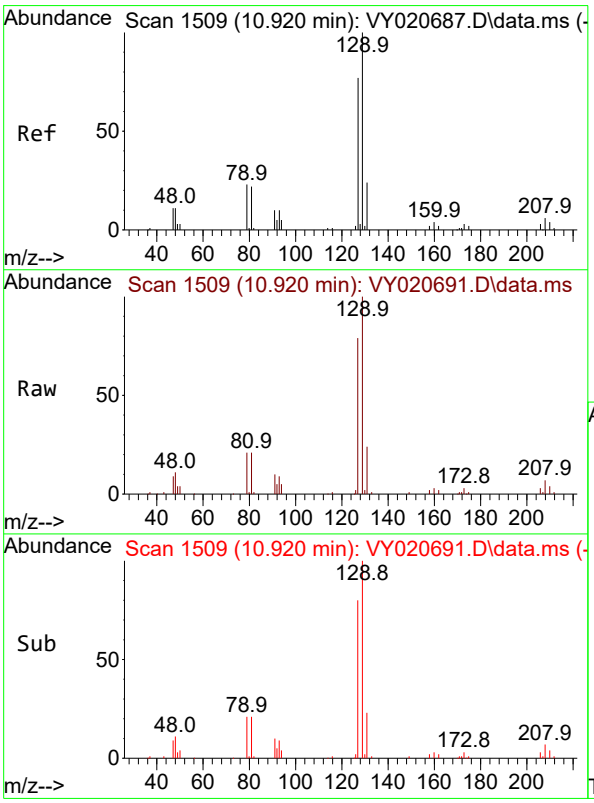
#59
2-Hexanone
Concen: 257.733 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 43 Resp: 66464

Ion	Ratio	Lower	Upper
43	100		
58	60.8	27.2	81.6

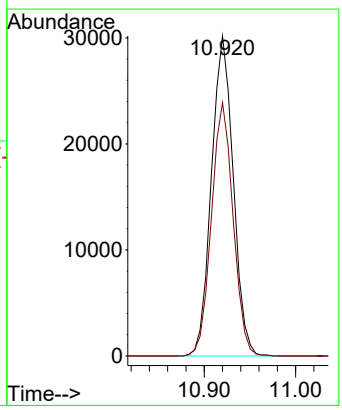


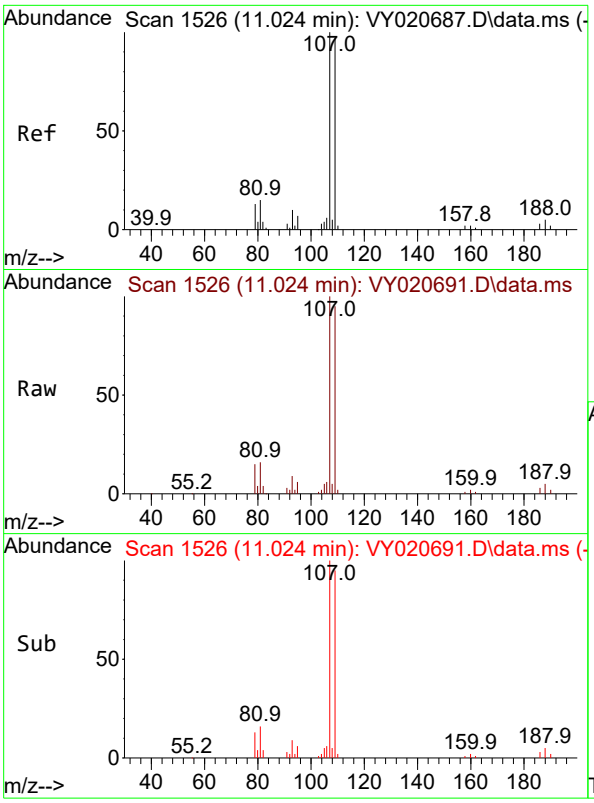


#60
Dibromochloromethane
Concen: 51.738 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:129 Resp: 49937

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.1	114.3



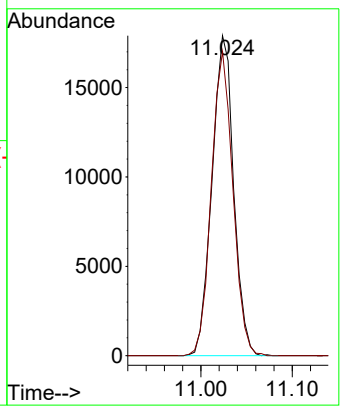


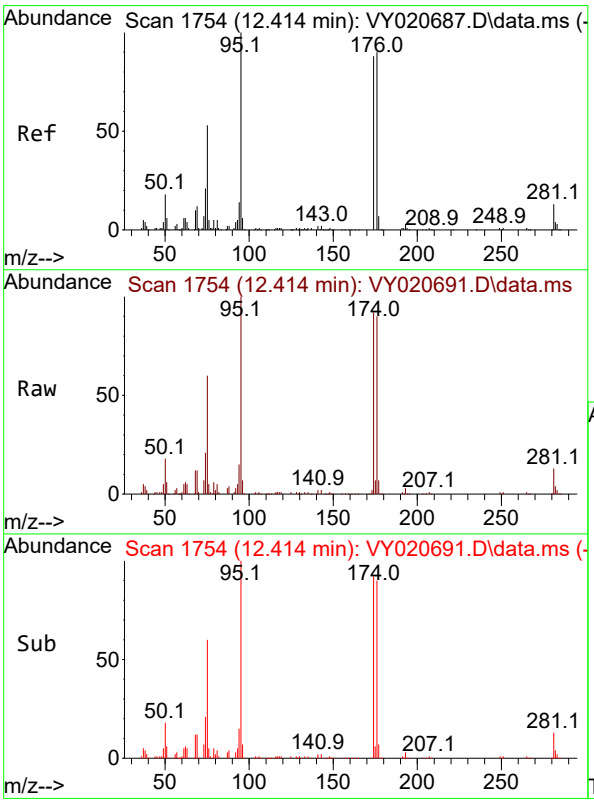
#61
1,2-Dibromoethane
Concen: 52.038 ug/l
RT: 11.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:107 Resp: 29492

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

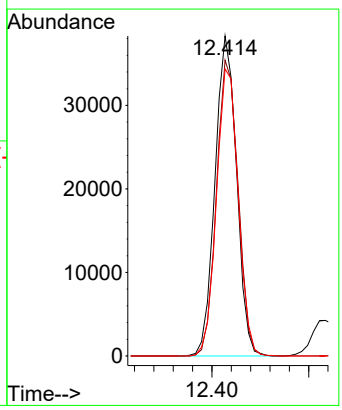


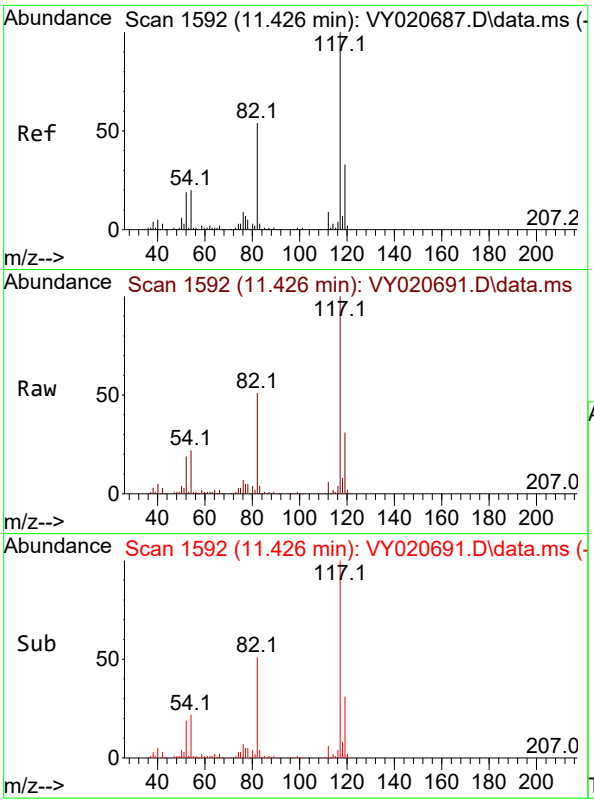


#62
4-Bromofluorobenzene
Concen: 45.571 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 95 Resp: 59136

Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	161.8
176	90.7	0.0	156.6



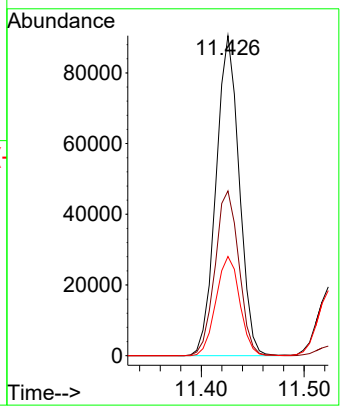


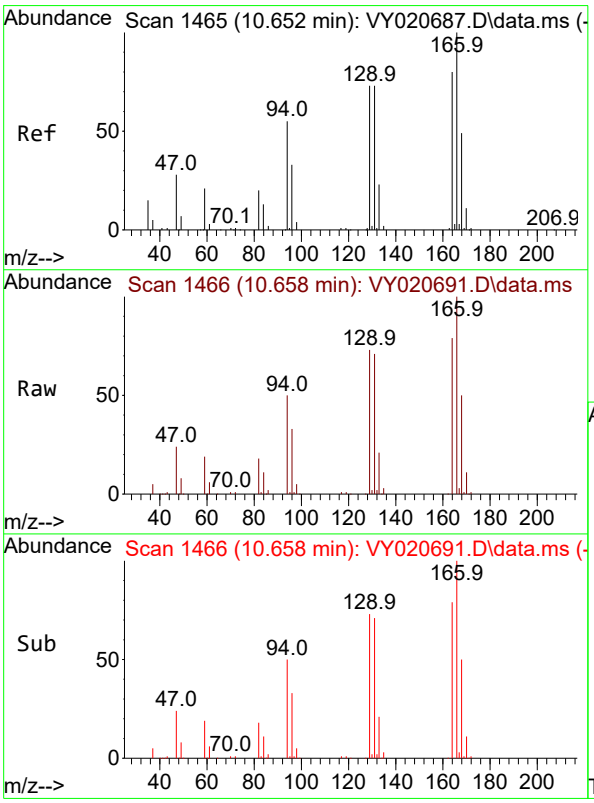
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:117 Resp: 141658

Ion	Ratio	Lower	Upper
117	100		
82	51.5	45.8	68.6
119	31.0	25.3	37.9

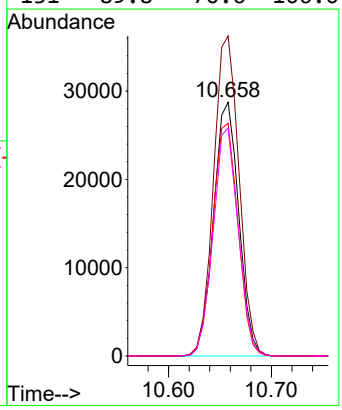


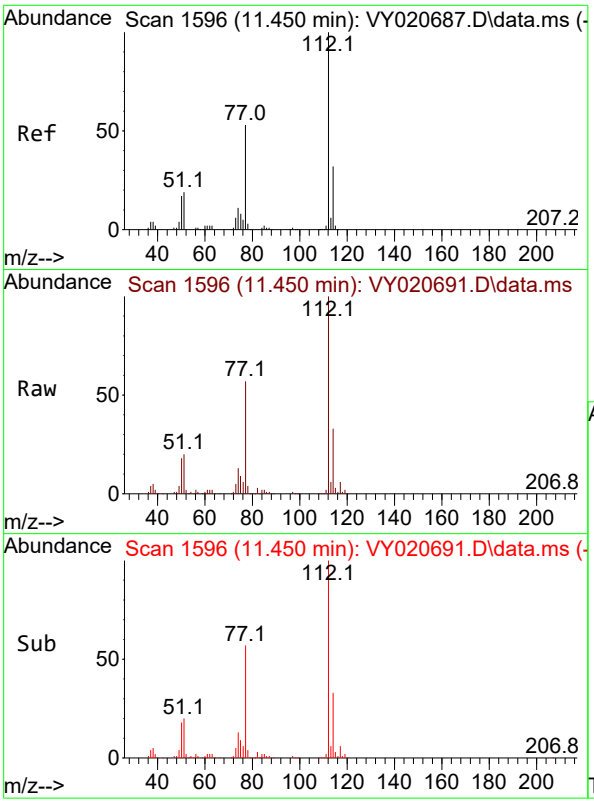


#64
Tetrachloroethene
Concen: 52.019 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:164 Resp: 48939

Ion	Ratio	Lower	Upper
164	100		
166	126.1	97.9	146.9
129	91.7	73.4	110.0
131	89.8	70.6	106.0



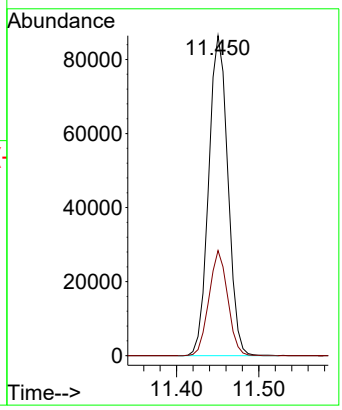


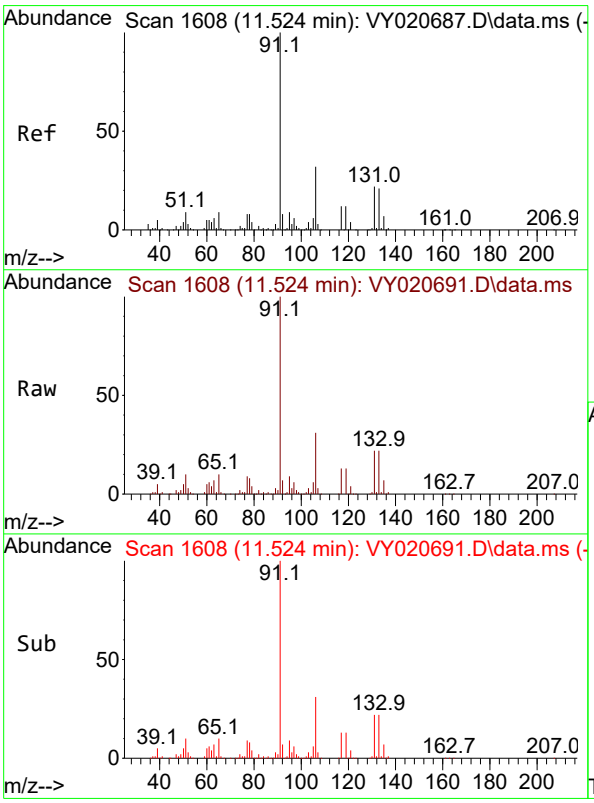
#65
Chlorobenzene
Concen: 52.937 ug/l
RT: 11.450 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:112 Resp: 140132

Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.0	39.0

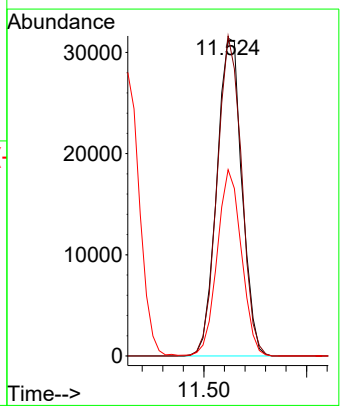


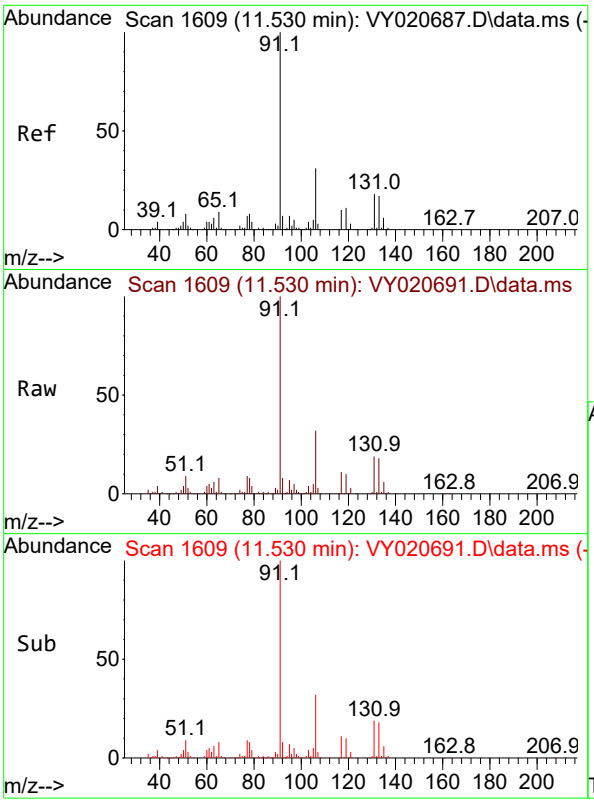


#66
1,1,1,2-Tetrachloroethane
Concen: 51.525 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:131 Resp: 53263

Ion	Ratio	Lower	Upper
131	100		
133	97.9	46.8	140.3
119	56.8	31.8	95.3



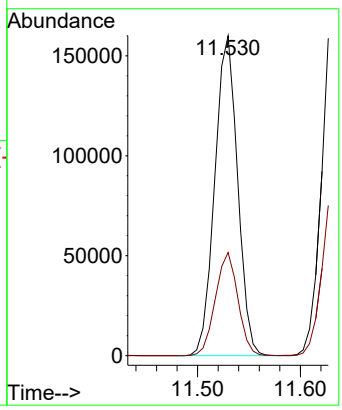


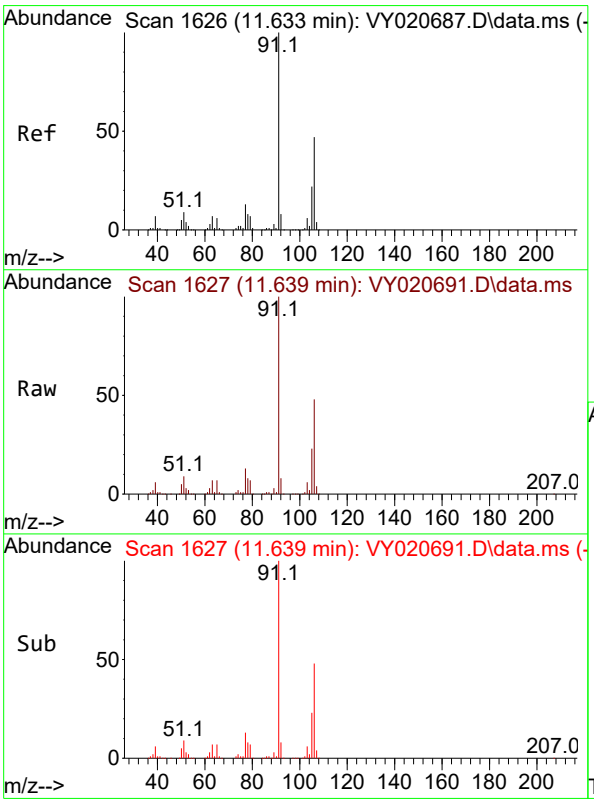
#67
Ethyl Benzene
Concen: 51.841 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 91 Resp: 246210

Ion	Ratio	Lower	Upper
91	100		
106	32.3	23.9	35.9

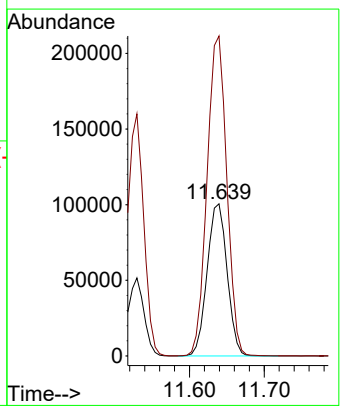


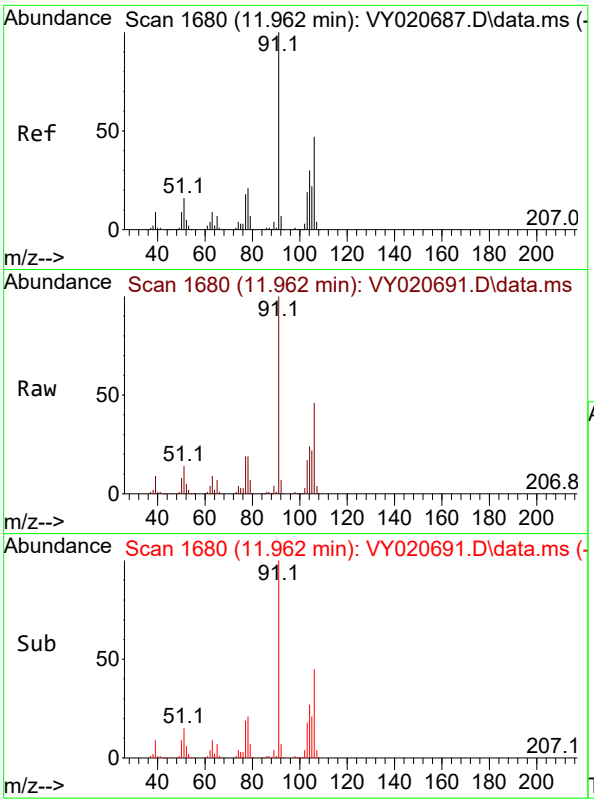


#68
m/p-Xylenes
Concen: 103.259 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:106 Resp: 187007

Ion	Ratio	Lower	Upper
106	100		
91	208.2	165.0	247.4



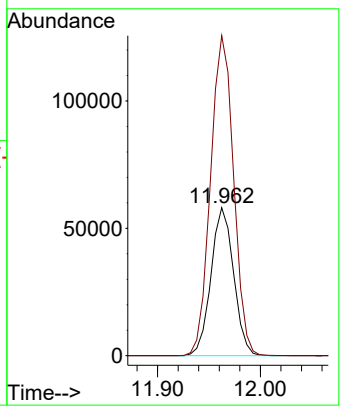


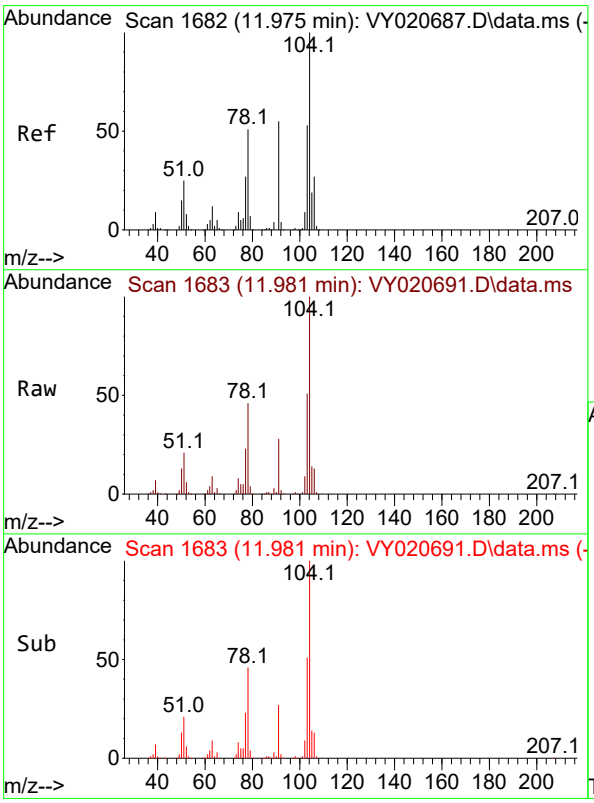
#69
o-Xylene
Concen: 52.237 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:106 Resp: 88867

Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.4	325.2

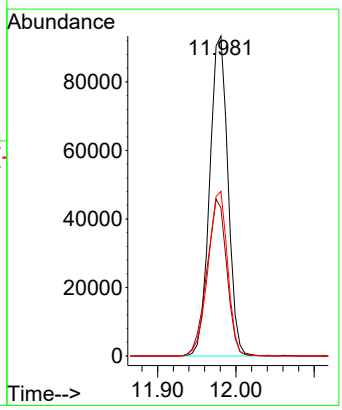


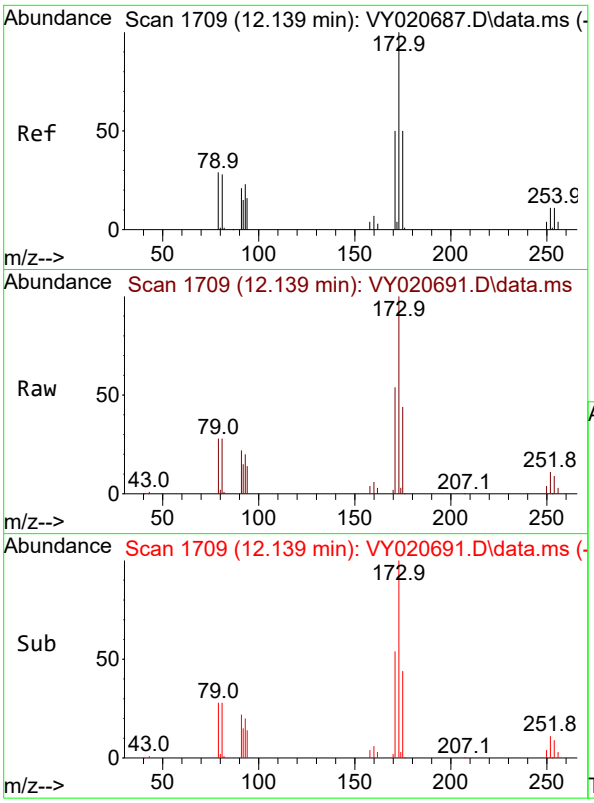


#70
Styrene
Concen: 52.914 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:104 Resp: 151410

Ion	Ratio	Lower	Upper
104	100		
78	53.6	41.6	62.4
103	55.2	43.7	65.5



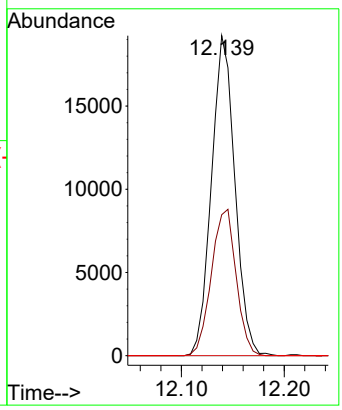


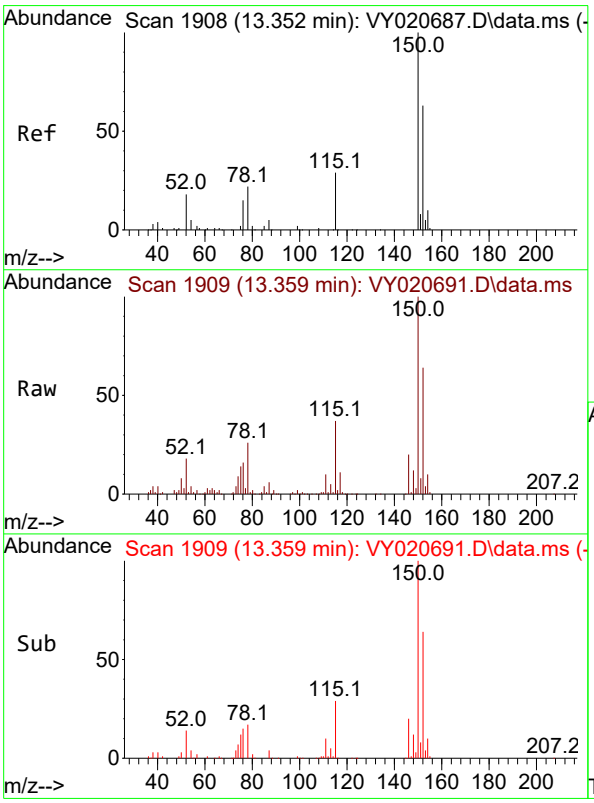
#71
Bromoform
Concen: 51.466 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:173 Resp: 30473

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.0	0.0

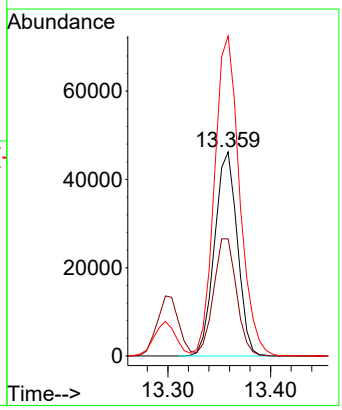


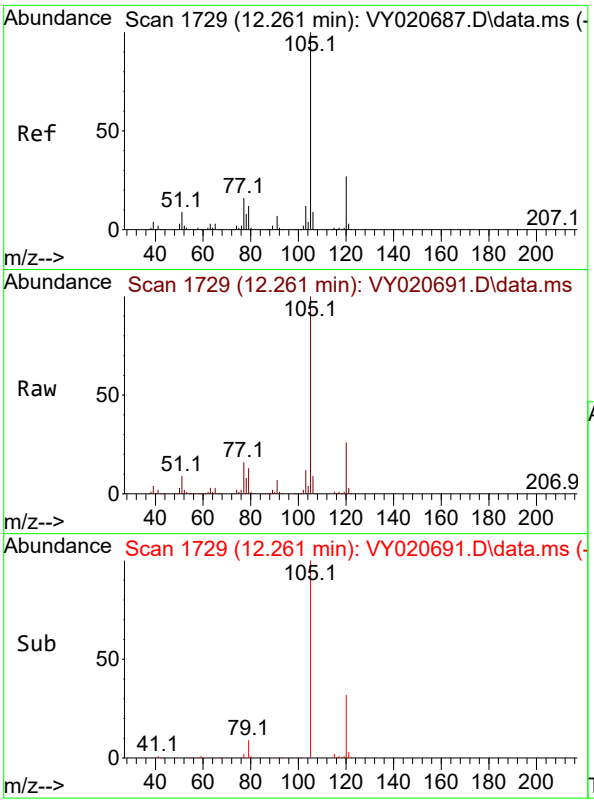


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:152 Resp: 71166

Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.2	90.6
150	172.4	0.0	355.4



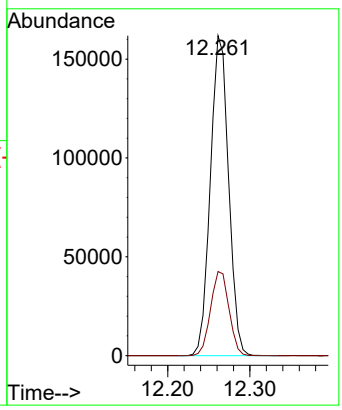


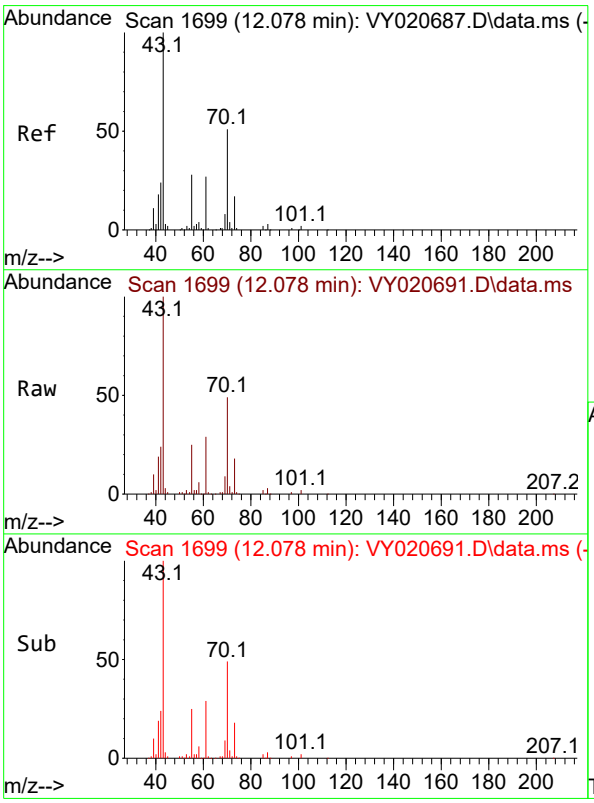
#73
Isopropylbenzene
Concen: 51.364 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:105 Resp: 248637

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.1

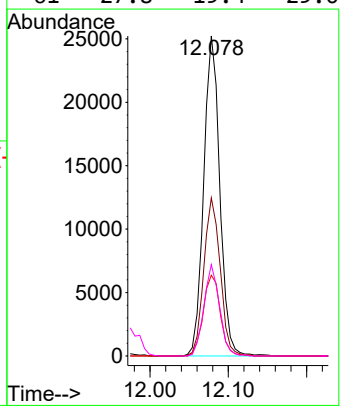


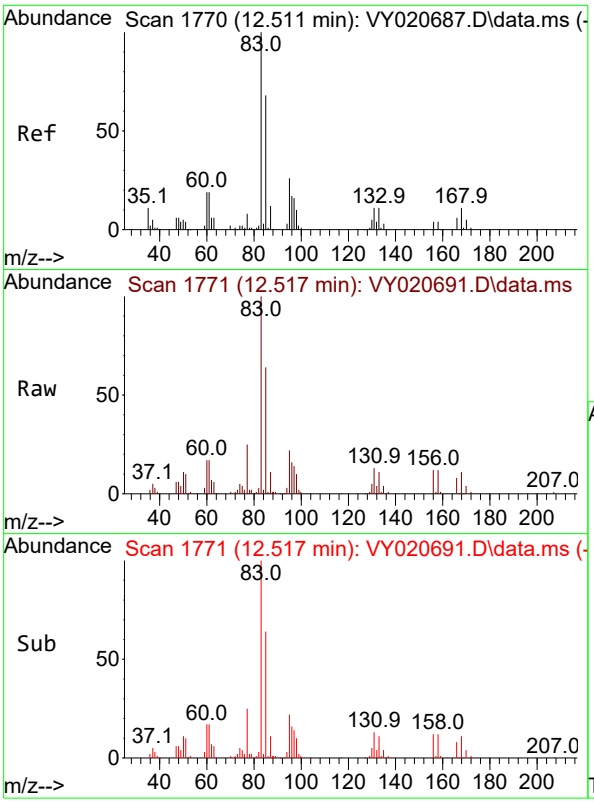


#74
N-amyl acetate
Concen: 52.869 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 43 Resp: 35961

Ion	Ratio	Lower	Upper
43	100		
70	50.2	34.2	51.2
55	26.8	19.6	29.4
61	27.8	19.4	29.0



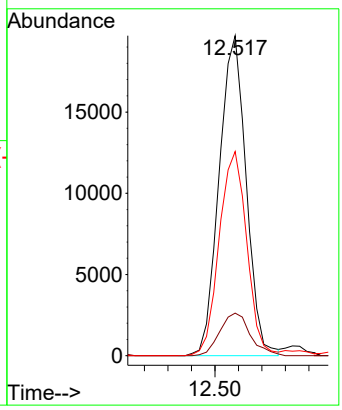


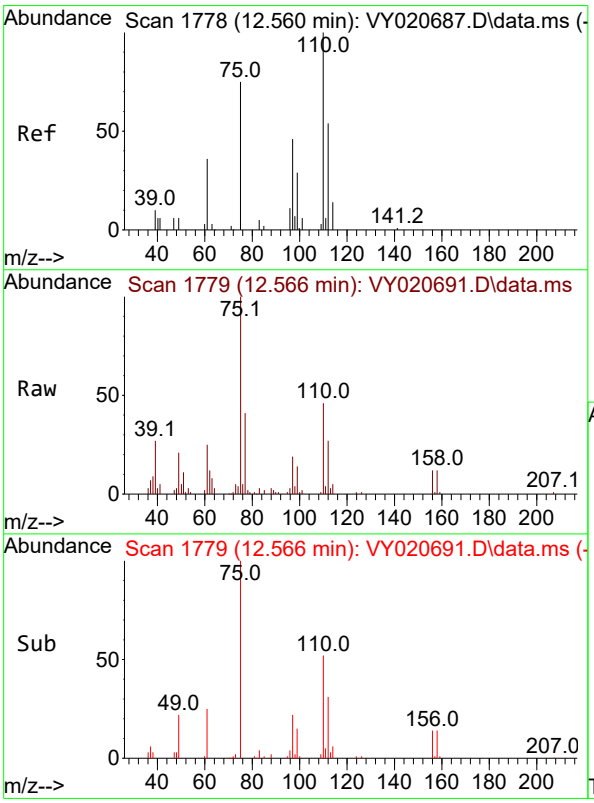
#75
1,1,2,2-Tetrachloroethane
Concen: 50.579 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 83 Resp: 31507

Ion	Ratio	Lower	Upper
83	100		
131	15.0	5.2	15.6
85	65.0	32.5	97.4

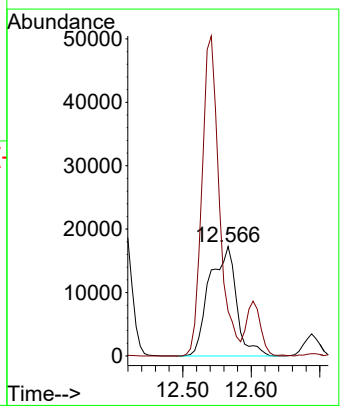


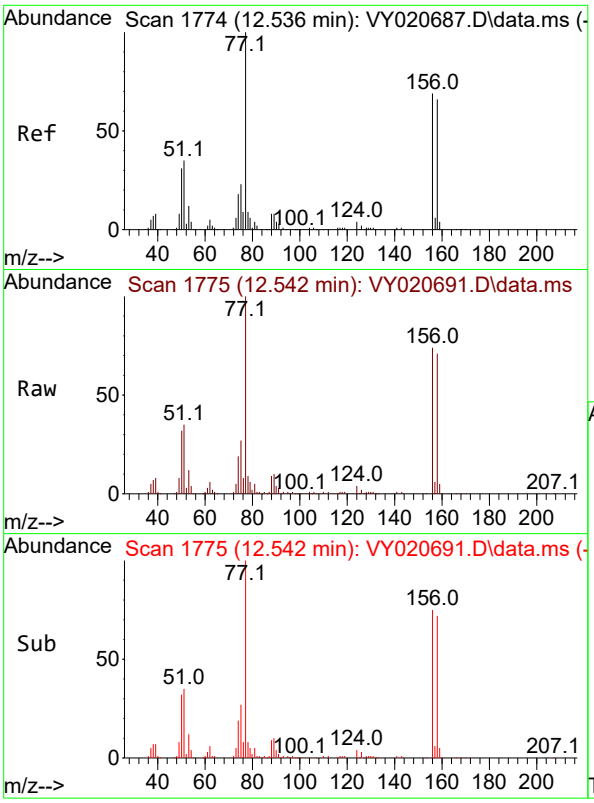


#76
1,2,3-Trichloropropane
Concen: 96.367 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 47296

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



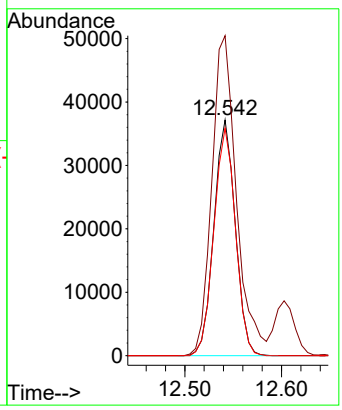


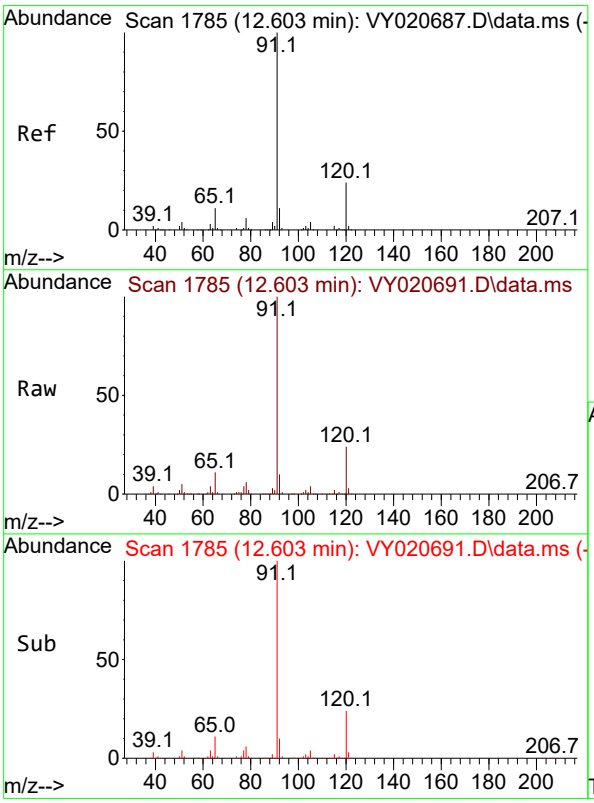
#77
Bromobenzene
Concen: 51.722 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:156 Resp: 57012

Ion	Ratio	Lower	Upper
156	100		
77	156.5	94.2	282.4
158	97.6	48.9	146.6

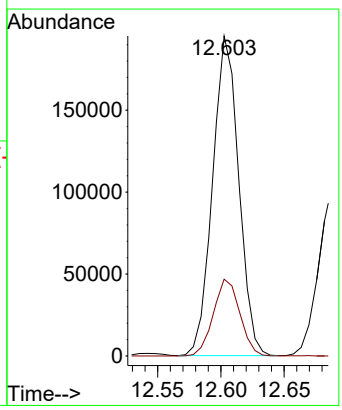


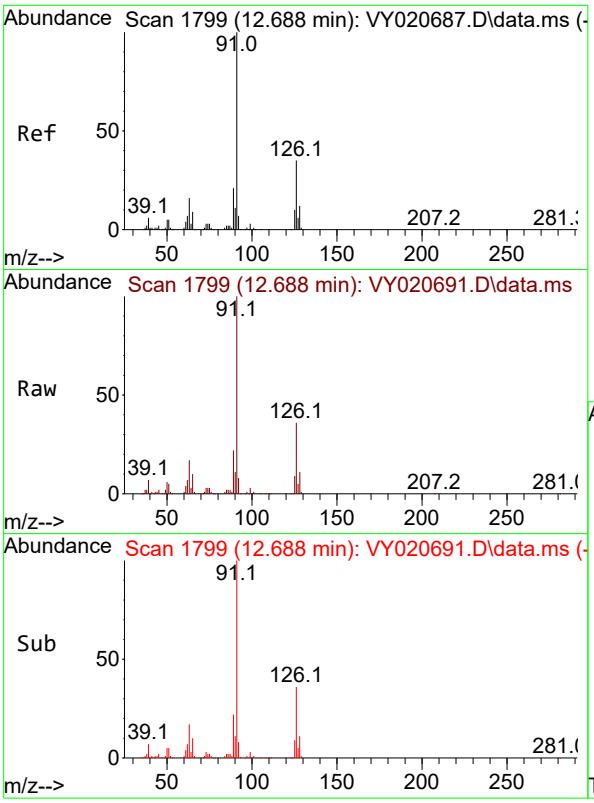


#78
n-propylbenzene
Concen: 51.350 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 280237

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.1	33.1



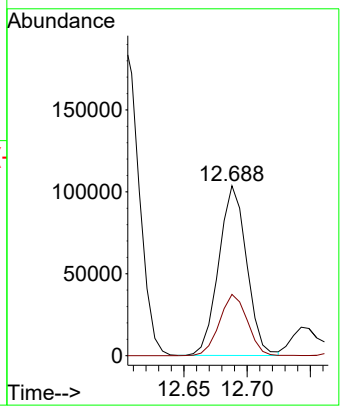


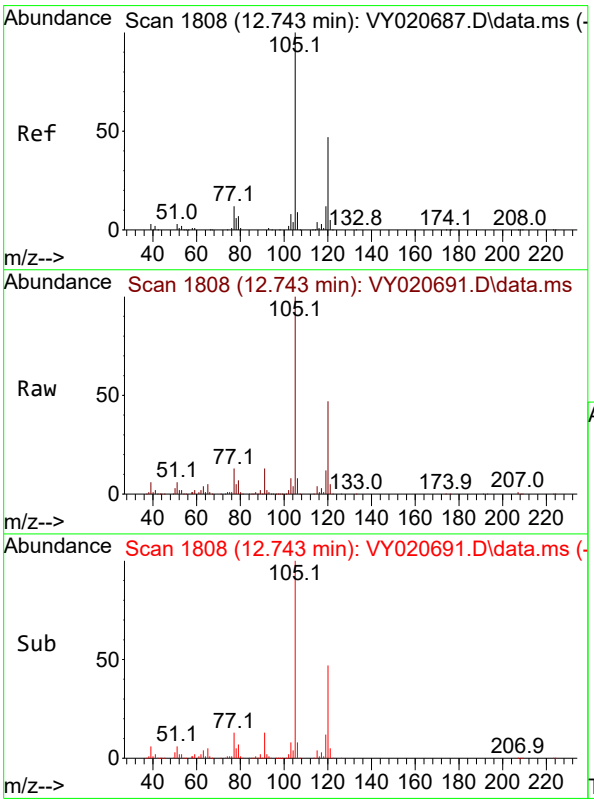
#79
2-Chlorotoluene
Concen: 51.267 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 91 Resp: 159275

Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.6	49.7

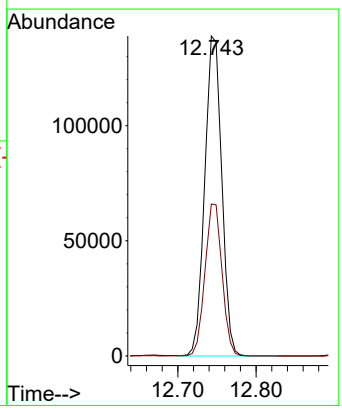


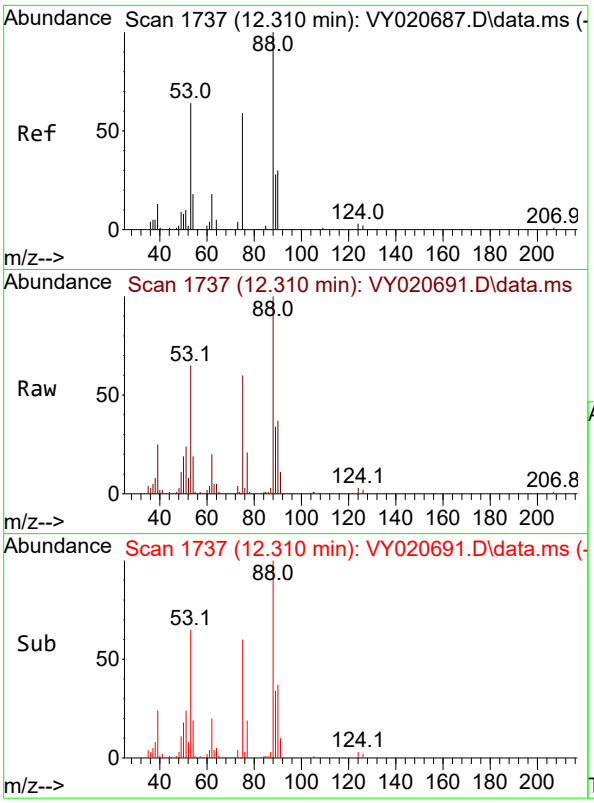


#80
1,3,5-Trimethylbenzene
Concen: 52.166 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 209445

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.9	71.7



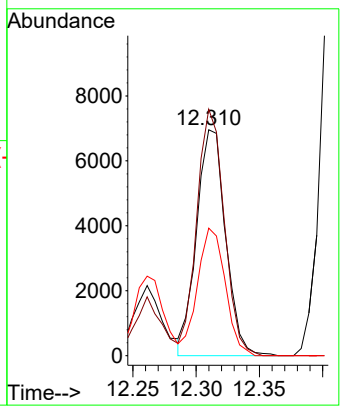


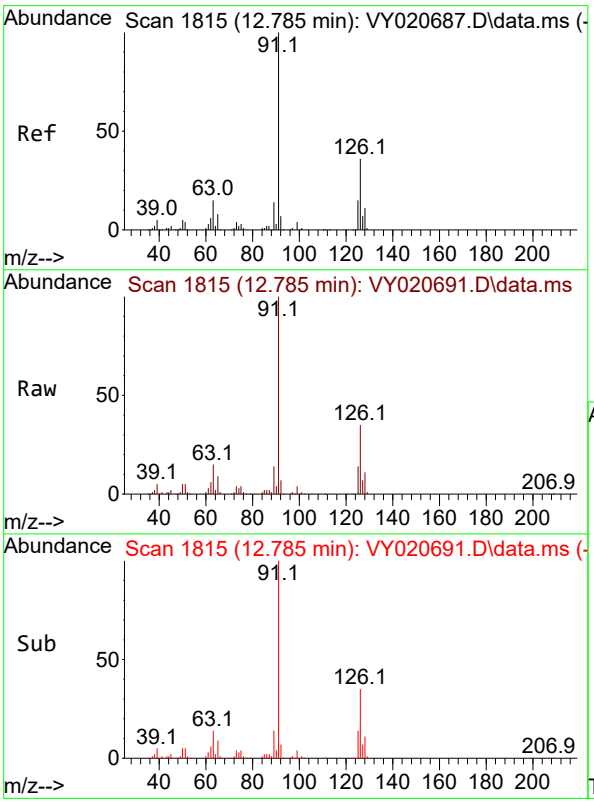
#81
trans-1,4-Dichloro-2-butene
Concen: 49.292 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 75 Resp: 11129

Ion	Ratio	Lower	Upper
75	100		
53	103.0	75.4	113.2
89	54.2	37.0	55.4

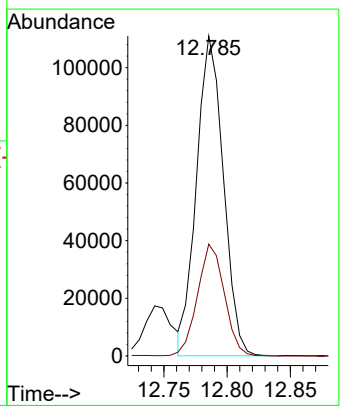


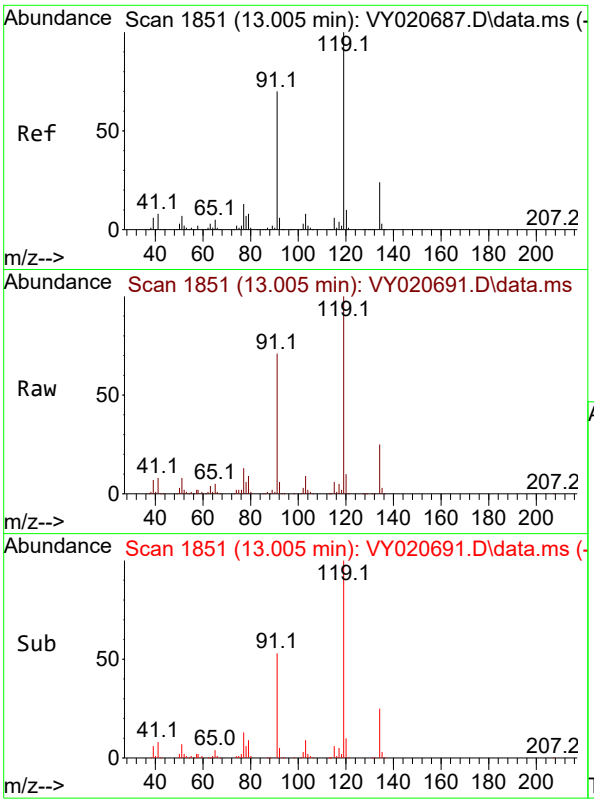


#82
4-Chlorotoluene
Concen: 51.687 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 91 Resp: 163776

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.6	49.7



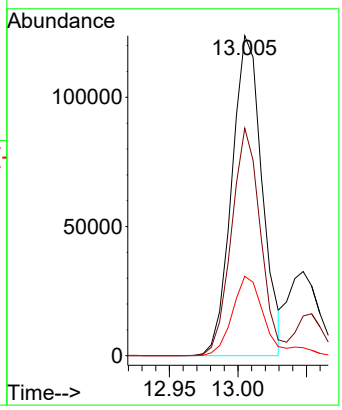


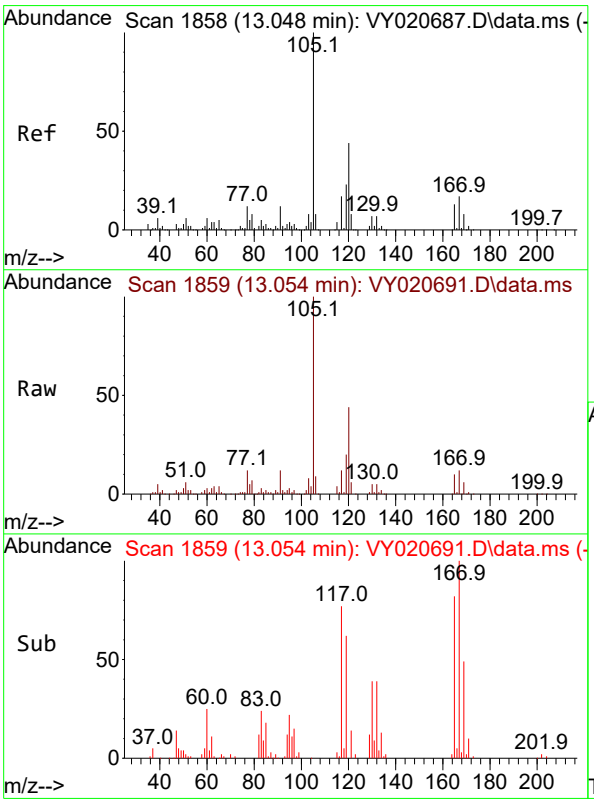
#83
tert-Butylbenzene
Concen: 51.113 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:119 Resp: 190947

Ion	Ratio	Lower	Upper
119	100		
91	68.5	32.9	98.6
134	26.9	13.1	39.1

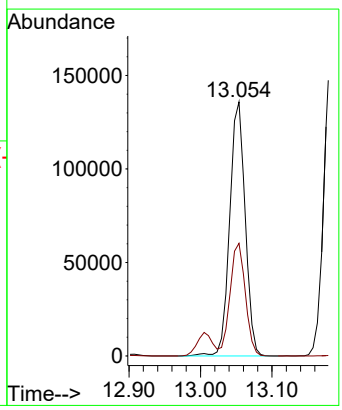


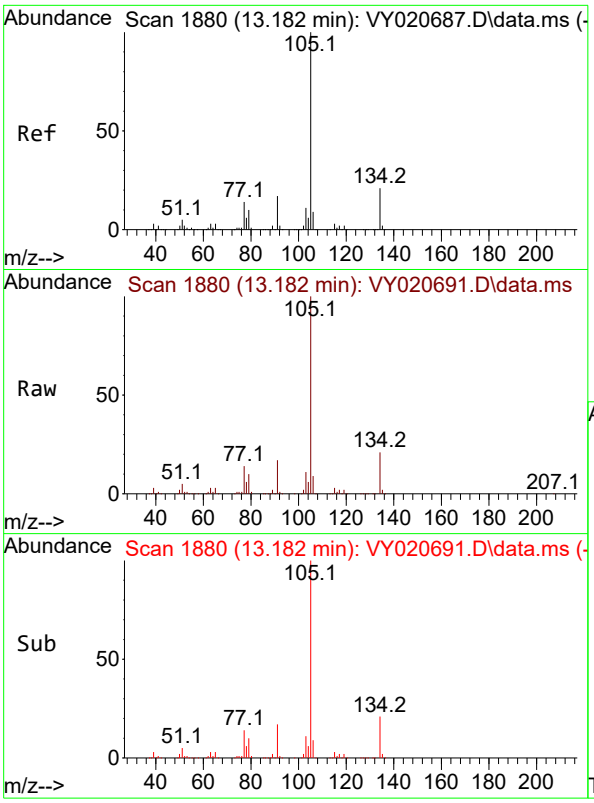


#84
1,2,4-Trimethylbenzene
Concen: 52.000 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:105 Resp: 203948

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4



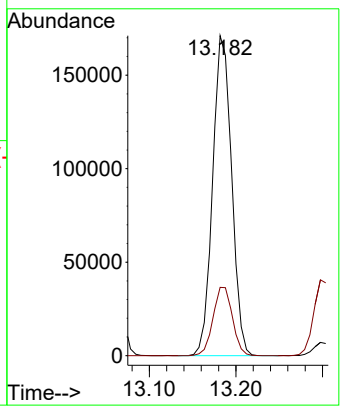


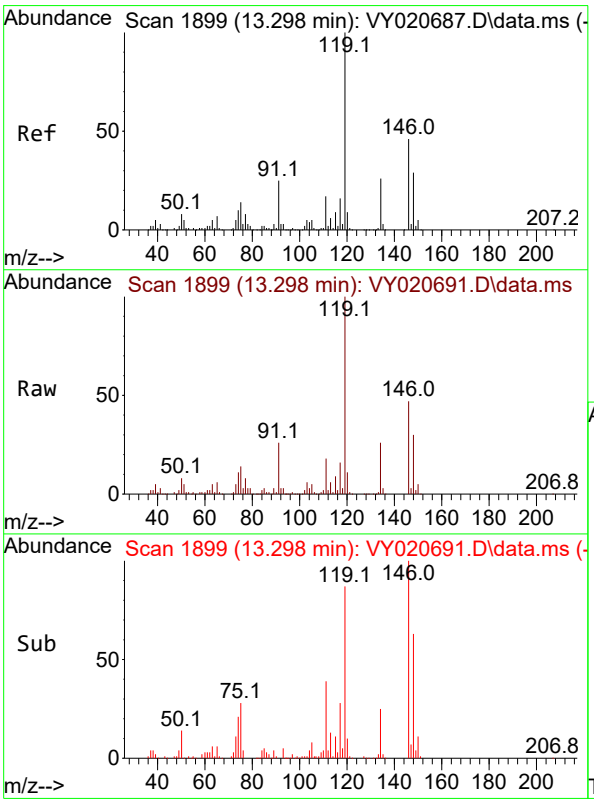
#85
sec-Butylbenzene
Concen: 51.742 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:105 Resp: 260272

Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.0	30.0

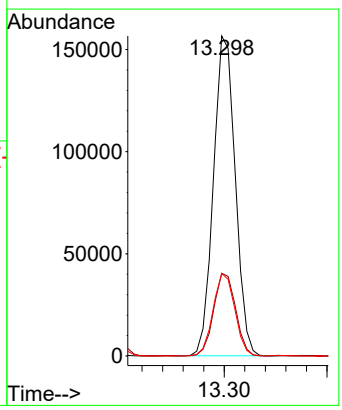


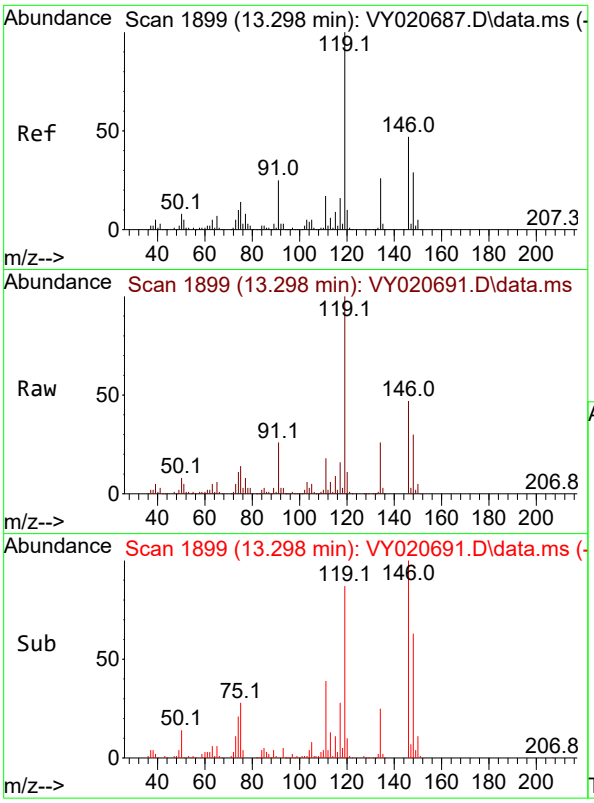


#86
p-Isopropyltoluene
Concen: 52.390 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:119 Resp: 230395

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.6	12.1	36.3



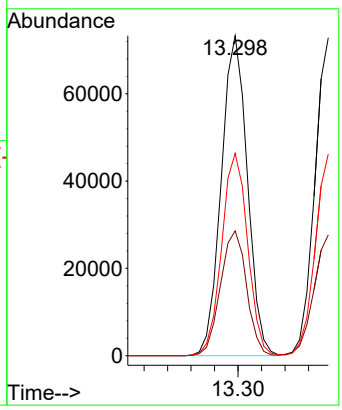


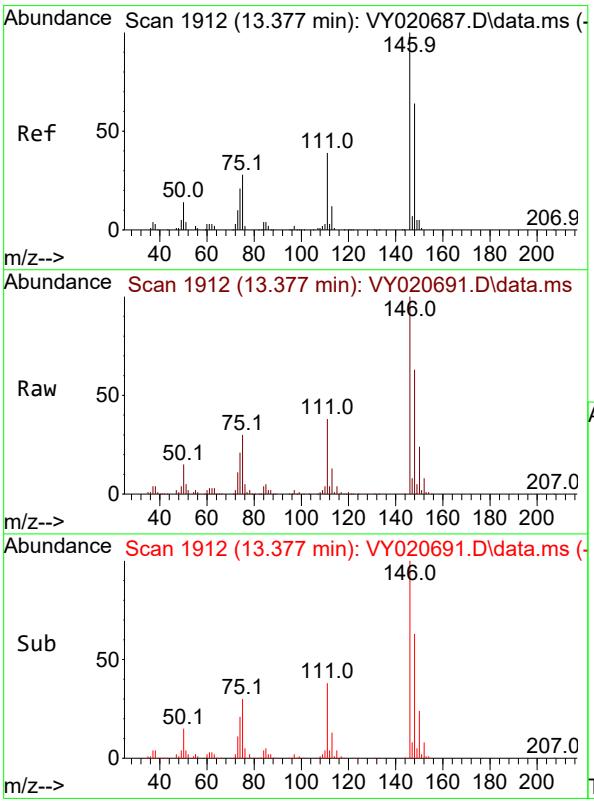
#87
1,3-Dichlorobenzene
Concen: 52.766 ug/l
RT: 13.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:146 Resp: 112990

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.6	61.8
148	62.8	31.4	94.0

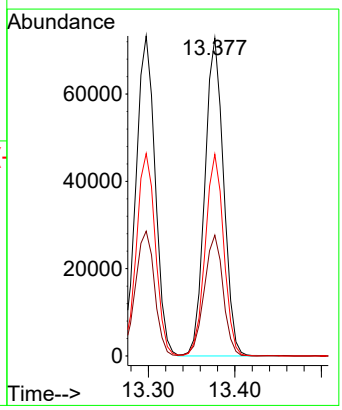


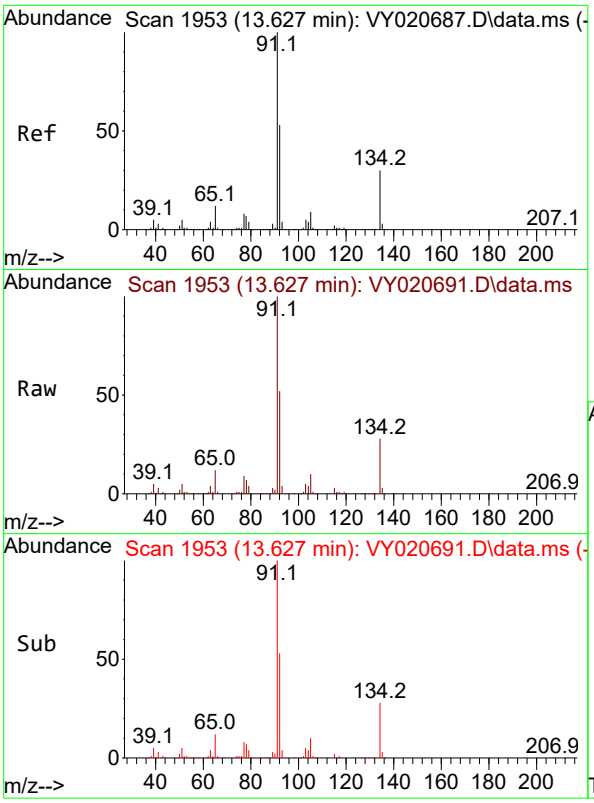


#88
1,4-Dichlorobenzene
Concen: 52.057 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:146 Resp: 109214

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	62.8	31.9	95.5



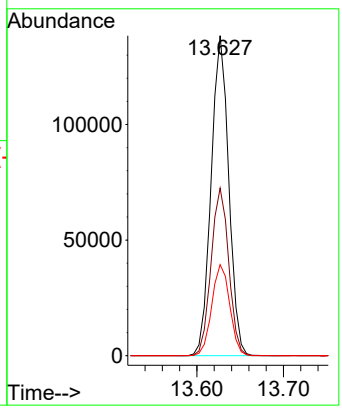


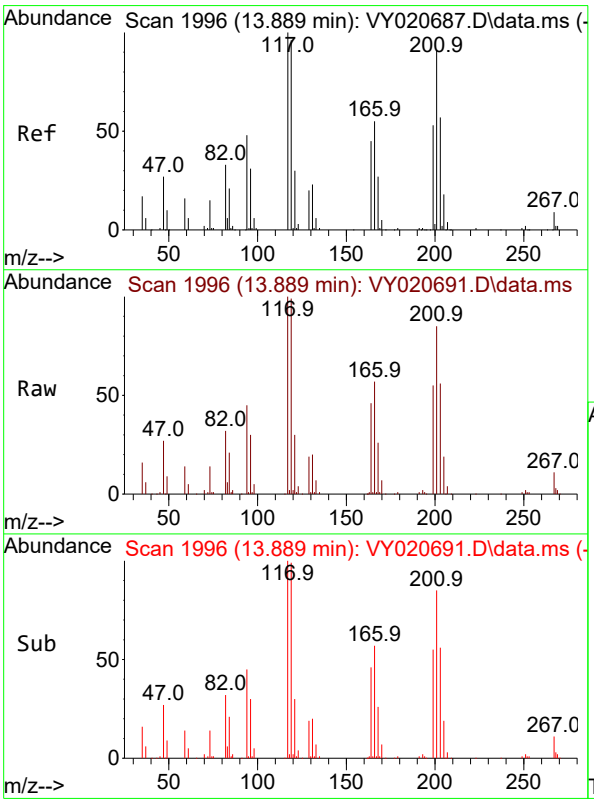
#89
n-Butylbenzene
Concen: 52.674 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion: 91 Resp: 195149

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	29.0	12.5	37.5

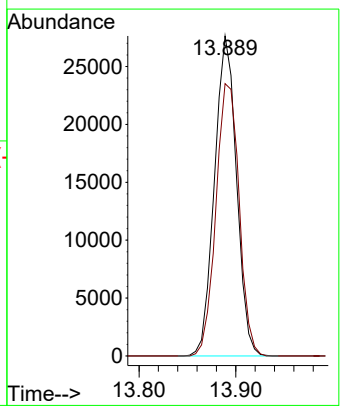


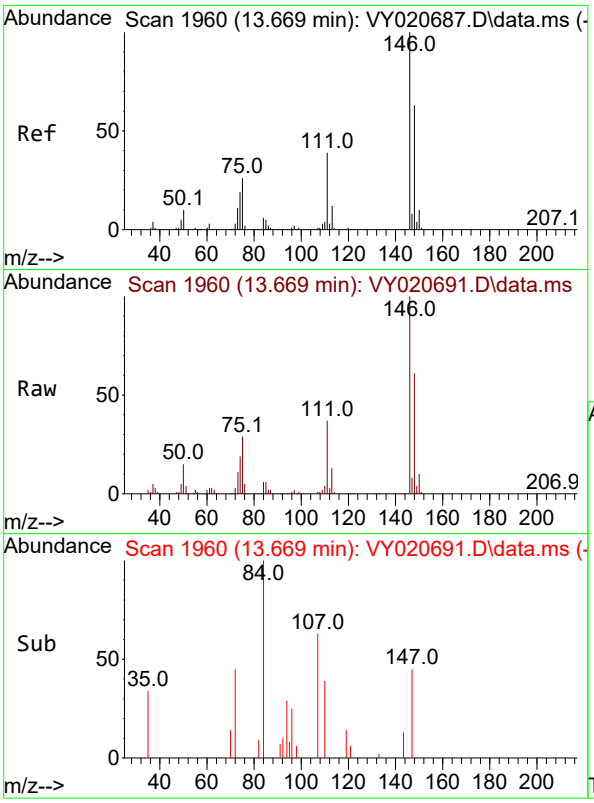


#90
Hexachloroethane
Concen: 52.306 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:117 Resp: 43638

Ion	Ratio	Lower	Upper
117	100		
201	89.6	39.1	117.3



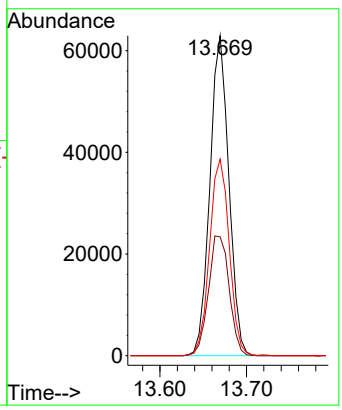


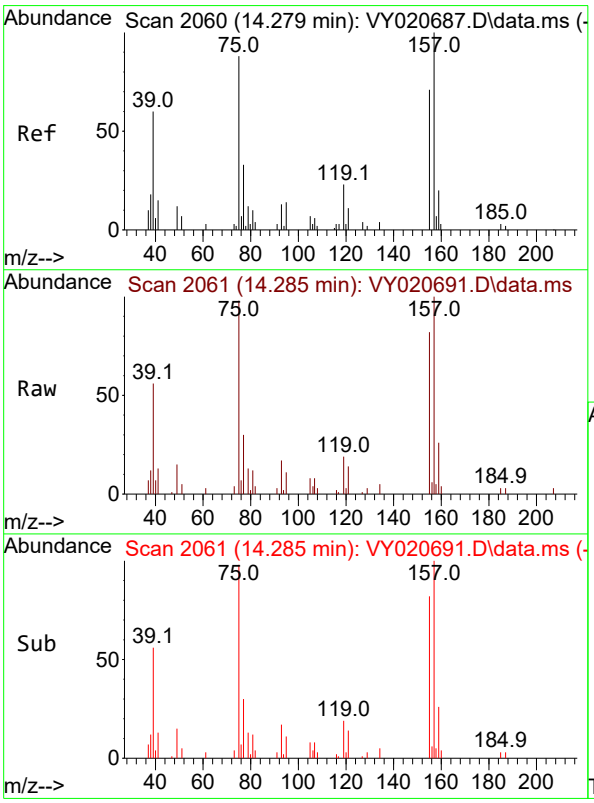
#91
1,2-Dichlorobenzene
Concen: 52.069 ug/l
RT: 13.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:146 Resp: 95689

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	63.6	32.0	96.0

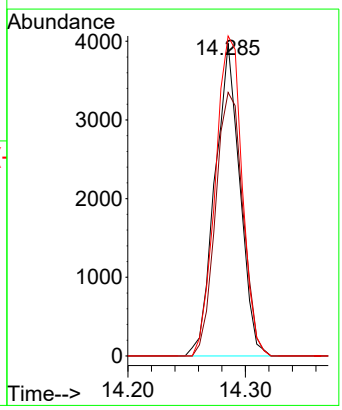


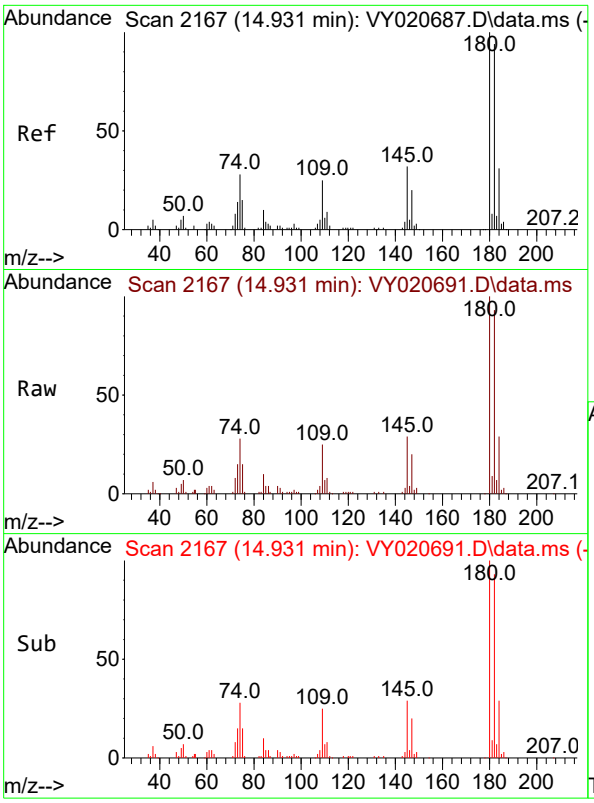


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.369 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion: 75 Resp: 5860

Ion	Ratio	Lower	Upper
75	100		
155	92.6	41.1	123.3
157	110.1	52.9	158.8



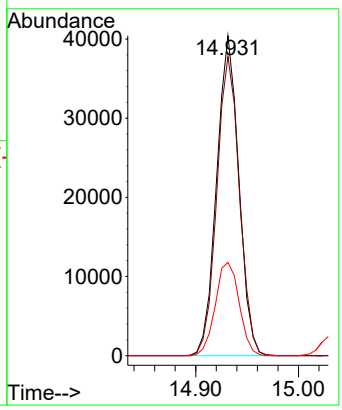


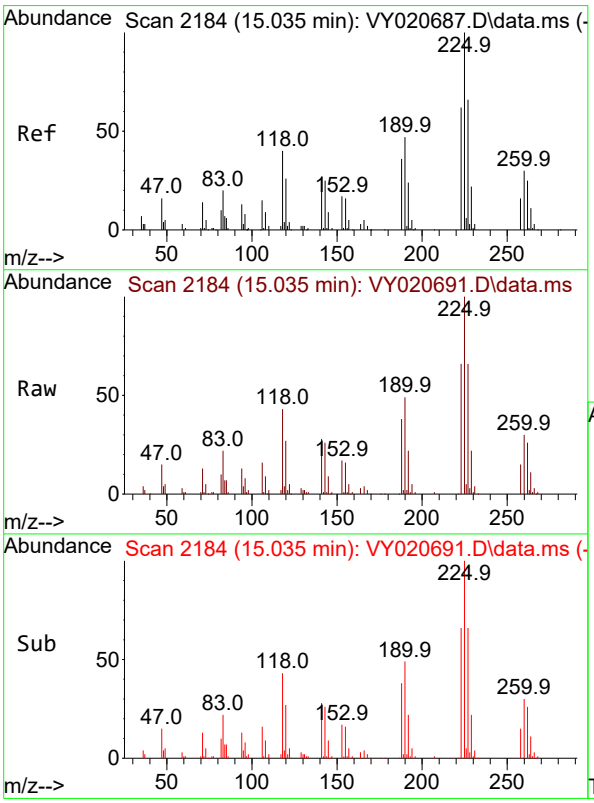
#93
1,2,4-Trichlorobenzene
Concen: 55.512 ug/l
RT: 14.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:180 Resp: 60565

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	31.3	15.6	46.7

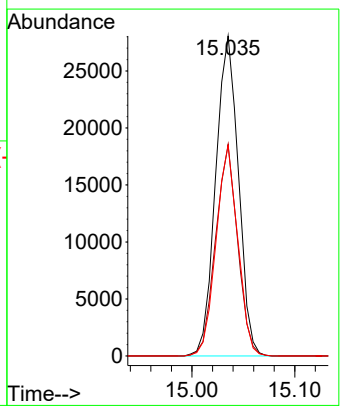


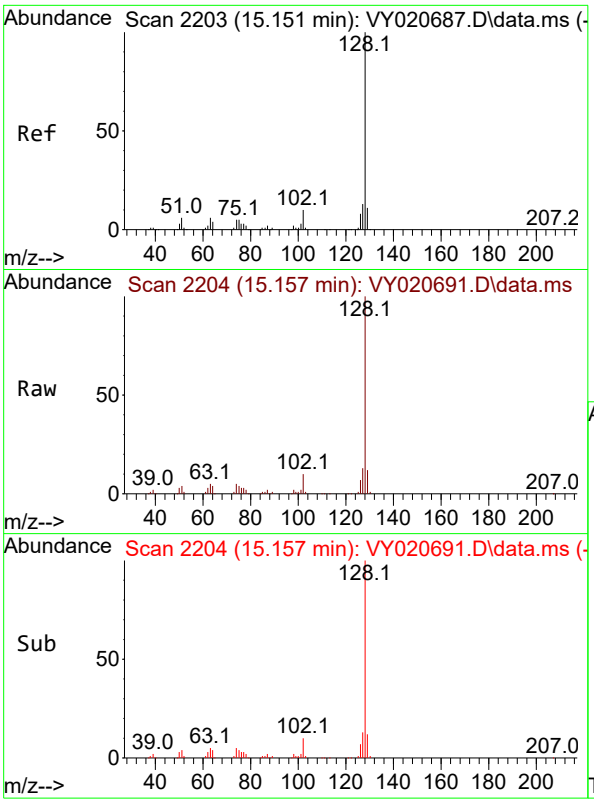


#94
Hexachlorobutadiene
Concen: 53.025 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:225 Resp: 43075

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.3
227	62.9	32.2	96.6



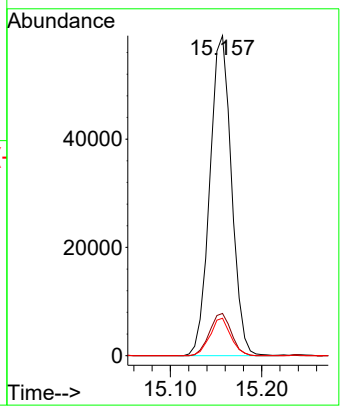


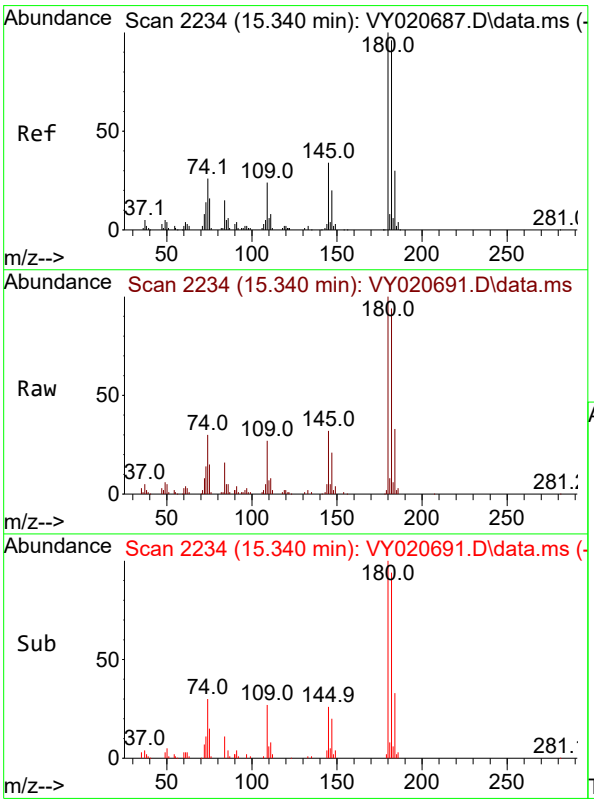
#95
Naphthalene
Concen: 48.290 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122324

Tgt Ion:128 Resp: 97309

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.2	8.5	12.7

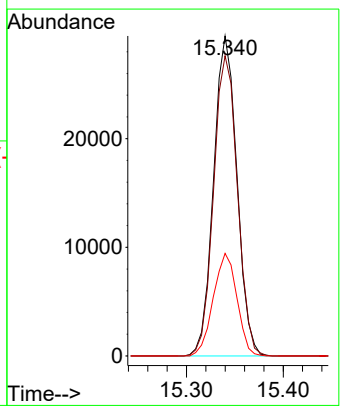




#96
1,2,3-Trichlorobenzene
Concen: 54.067 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020691.D
Acq: 23 Dec 2024 14:17

Tgt Ion:180 Resp: 49317

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.5	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	116113	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	161575	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134443	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68792	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	52460	51.014	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.020%				
35) Dibromofluoromethane	7.646	113	47926	50.516	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%				
50) Toluene-d8	10.115	98	190819	55.376	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.760%				
62) 4-Bromofluorobenzene	12.414	95	63200	50.391	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.780%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	19070	21.318	ug/l		96
3) Chloromethane	2.080	50	7726	21.200	ug/l		89
4) Vinyl Chloride	2.214	62	9014	20.287	ug/l		93
5) Bromomethane	2.610	94	6829	21.766	ug/l		98
6) Chloroethane	2.751	64	5481	20.297	ug/l		94
7) Trichlorofluoromethane	3.074	101	33419	20.915	ug/l		92
8) Diethyl Ether	3.464	74	7834	20.483	ug/l		72
9) 1,1,2-Trichlorotrifluo...	3.830	101	18473	21.172	ug/l		92
10) Methyl Iodide	4.019	142	19403	19.304	ug/l	#	84
11) Tert butyl alcohol	4.884	59	7014	93.353	ug/l	#	88
12) 1,1-Dichloroethene	3.811	96	16257	20.994	ug/l	#	72
13) Acrolein	3.671	56	2829	146.178	ug/l		96
14) Allyl chloride	4.397	41	19606	21.590	ug/l	#	77
15) Acrylonitrile	5.073	53	14391	102.084	ug/l		96
16) Acetone	3.891	43	11433	97.335	ug/l		90
17) Carbon Disulfide	4.122	76	39139	20.272	ug/l		99
18) Methyl Acetate	4.409	43	7884	25.944	ug/l	#	85
19) Methyl tert-butyl Ether	5.128	73	43581	20.690	ug/l		92
20) Methylene Chloride	4.628	84	16568	21.167	ug/l	#	78
21) trans-1,2-Dichloroethene	5.128	96	17790	21.306	ug/l		89
22) Diisopropyl ether	6.031	45	40004	21.549	ug/l	#	81
23) Vinyl Acetate	5.976	43	109581	99.683	ug/l	#	90
24) 1,1-Dichloroethane	5.933	63	29890	21.598	ug/l		99
25) 2-Butanone	6.908	43	16204	98.205	ug/l	#	82
26) 2,2-Dichloropropane	6.896	77	36752	21.226	ug/l		99
27) cis-1,2-Dichloroethene	6.908	96	20635	20.749	ug/l		92
28) Bromochloromethane	7.262	49	7297	19.983	ug/l	#	59
29) Tetrahydrofuran	7.274	42	9439	97.328	ug/l	#	67
30) Chloroform	7.433	83	37539	20.636	ug/l		98
31) Cyclohexane	7.713	56	24199	19.943	ug/l	#	76
32) 1,1,1-Trichloroethane	7.628	97	41061	21.606	ug/l		96
36) 1,1-Dichloropropene	7.847	75	25245	21.891	ug/l		96
37) Ethyl Acetate	7.000	43	7186	19.067	ug/l	#	94
38) Carbon Tetrachloride	7.829	117	40083	21.479	ug/l		95
39) Methylcyclohexane	9.115	83	31014	21.159	ug/l		88
40) Benzene	8.091	78	72425	21.770	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3212	15.043 ug/l	#	61
42) 1,2-Dichloroethane	8.164	62	21881	20.681 ug/l		99
43) Isopropyl Acetate	8.207	43	15542	19.841 ug/l	#	88
44) Trichloroethene	8.878	130	21118	21.389 ug/l		85
45) 1,2-Dichloropropane	9.146	63	14078	21.538 ug/l		96
46) Dibromomethane	9.237	93	9618	21.314 ug/l		90
47) Bromodichloromethane	9.432	83	27504	21.486 ug/l		97
48) Methyl methacrylate	9.231	41	7342	19.772 ug/l	#	74
49) 1,4-Dioxane	9.237	88	1811	427.889 ug/l		88
51) 4-Methyl-2-Pentanone	10.005	43	38532	98.474 ug/l		93
52) Toluene	10.176	92	49502	21.851 ug/l		100
53) t-1,3-Dichloropropene	10.402	75	23556	20.797 ug/l		96
54) cis-1,3-Dichloropropene	9.865	75	27001	21.634 ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	12224	20.921 ug/l		94
56) Ethyl methacrylate	10.444	69	14890	19.978 ug/l		88
57) 1,3-Dichloropropane	10.725	76	20055	20.998 ug/l		97
58) 2-Chloroethyl Vinyl ether	9.719	63	25366	91.075 ug/l	#	81
59) 2-Hexanone	10.768	43	24683	99.033 ug/l		91
60) Dibromochloromethane	10.914	129	20089	21.535 ug/l		100
61) 1,2-Dibromoethane	11.024	107	11435	20.876 ug/l		100
64) Tetrachloroethene	10.652	164	19601	21.953 ug/l		95
65) Chlorobenzene	11.450	112	55302	22.012 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	20919	21.323 ug/l		95
67) Ethyl Benzene	11.523	91	98855	21.932 ug/l		98
68) m/p-Xylenes	11.633	106	75012	43.642 ug/l		100
69) o-Xylene	11.962	106	35407	21.930 ug/l		97
70) Styrene	11.975	104	60026	22.103 ug/l		100
71) Bromoform	12.139	173	12130	21.586 ug/l	#	100
73) Isopropylbenzene	12.261	105	100172	21.408 ug/l		99
74) N-amyl acetate	12.078	43	12342	18.771 ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.517	83	12299	20.425 ug/l		97
76) 1,2,3-Trichloropropane	12.566	75	18125	38.205 ug/l	#	100
77) Bromobenzene	12.535	156	22661	21.268 ug/l		84
78) n-propylbenzene	12.603	91	112609	21.346 ug/l		95
79) 2-Chlorotoluene	12.688	91	64543	21.492 ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	84160	21.685 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4317	19.781 ug/l		95
82) 4-Chlorotoluene	12.785	91	64790	21.153 ug/l		95
83) tert-Butylbenzene	13.005	119	77381	21.428 ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	82010	21.631 ug/l		99
85) sec-Butylbenzene	13.182	105	105840	21.767 ug/l		97
86) p-Isopropyltoluene	13.298	119	93419	21.976 ug/l		98
87) 1,3-Dichlorobenzene	13.298	146	44326	21.414 ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	43876	21.635 ug/l		99
89) n-Butylbenzene	13.627	91	78283	21.859 ug/l		95
90) Hexachloroethane	13.889	117	16570	20.547 ug/l		83
91) 1,2-Dichlorobenzene	13.669	146	37520	21.121 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2285	19.915 ug/l		99
93) 1,2,4-Trichlorobenzene	14.931	180	21862	20.729 ug/l		98
94) Hexachlorobutadiene	15.035	225	17176	21.873 ug/l		98
95) Naphthalene	15.151	128	33900	19.644 ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	17632	19.997 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration

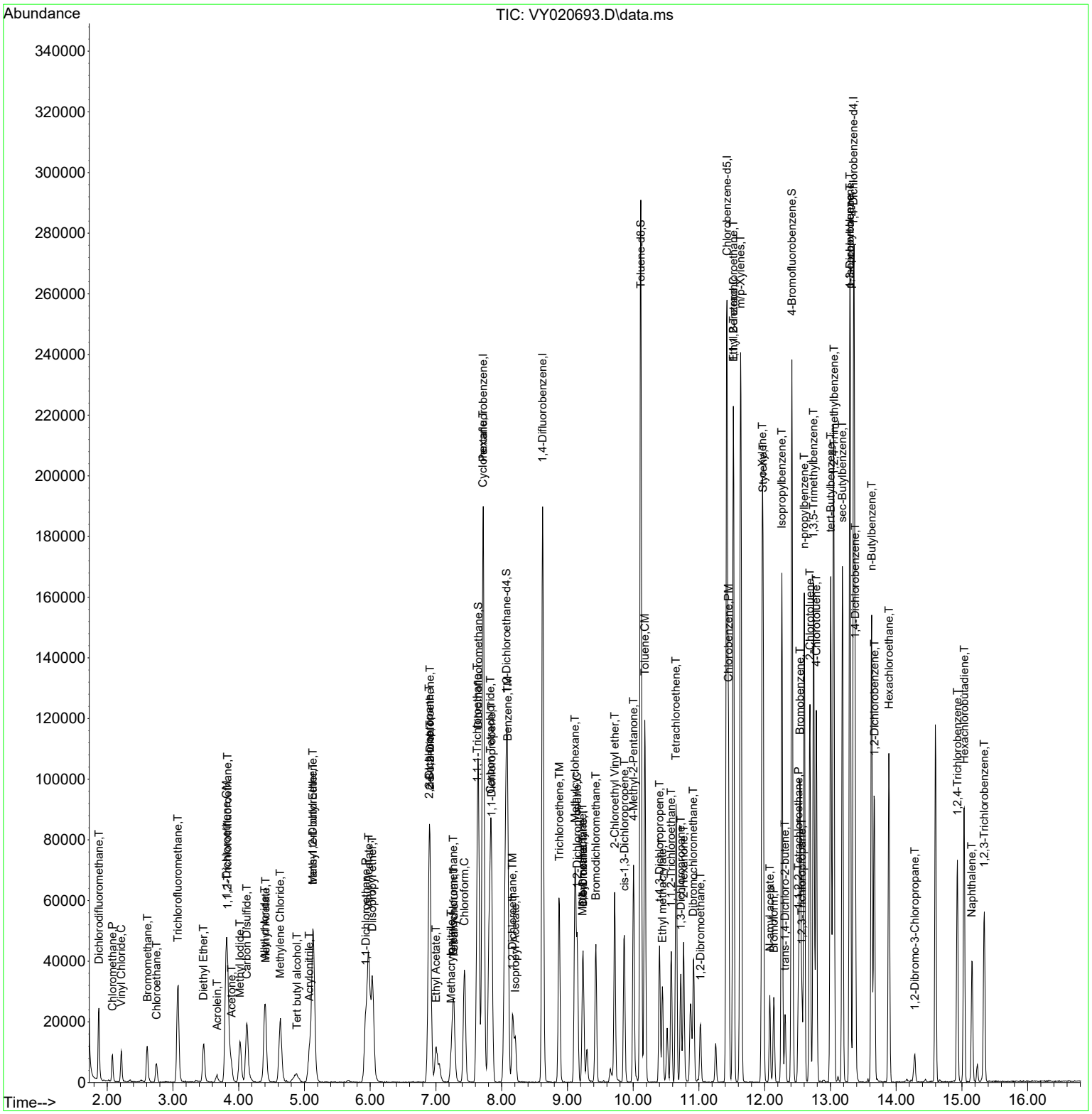
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

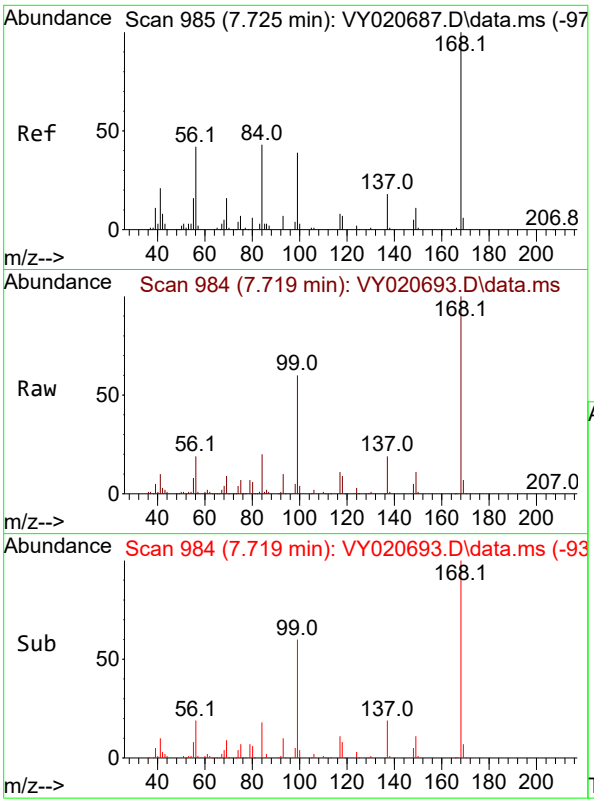
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020693.D
Acq On : 23 Dec 2024 15:51
Operator : SY/MD
Sample : VY1223SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Quant Time: Dec 23 16:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 15:11:18 2024
Response via : Initial Calibration



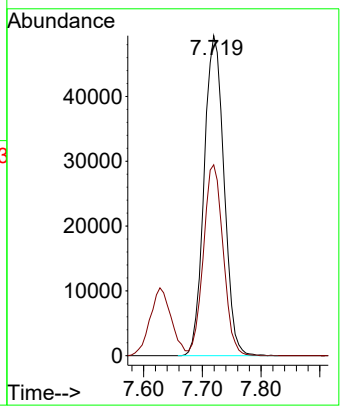


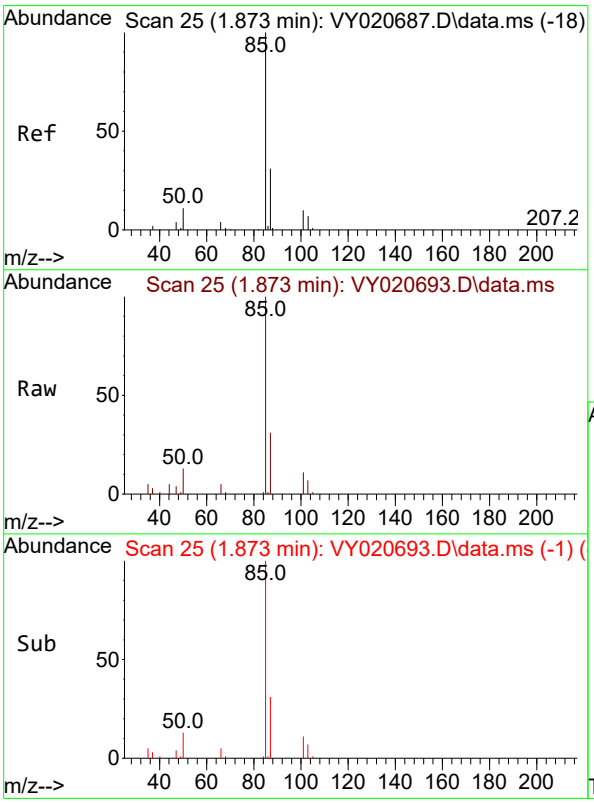
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:168 Resp: 116113

Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.0	70.6

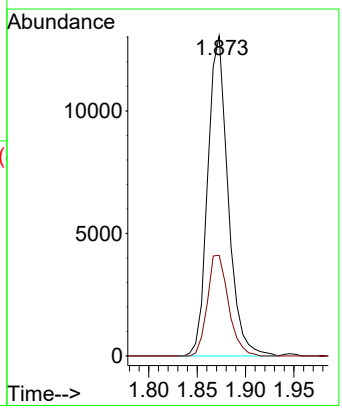


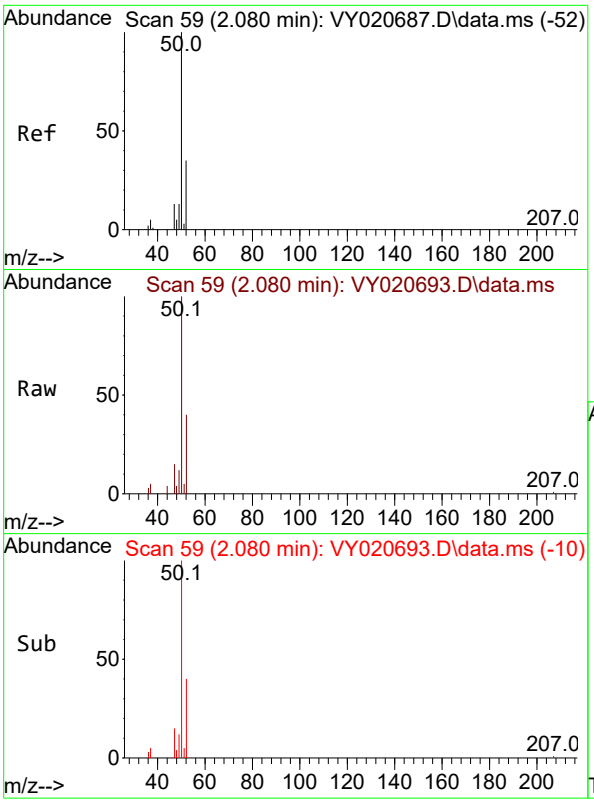


#2
Dichlorodifluoromethane
Concen: 21.318 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 85 Resp: 19070

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.8	50.3



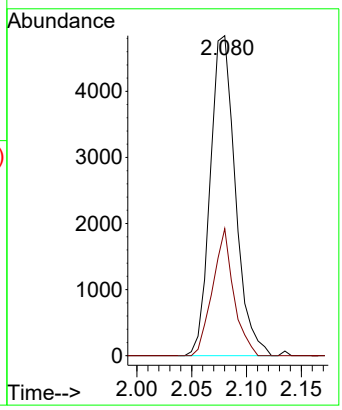


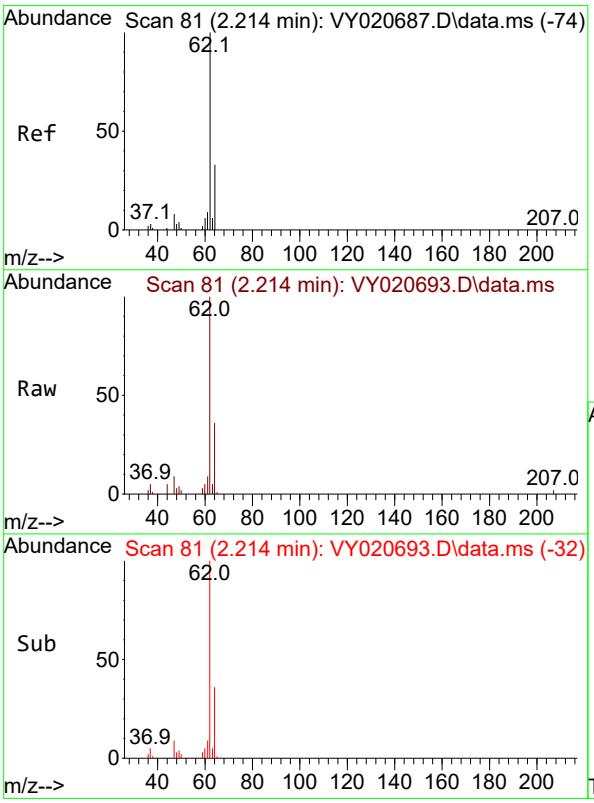
#3
Chloromethane
Concen: 21.200 ug/l
RT: 2.080 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 50 Resp: 7726

Ion	Ratio	Lower	Upper
50	100		
52	39.7	26.8	40.2

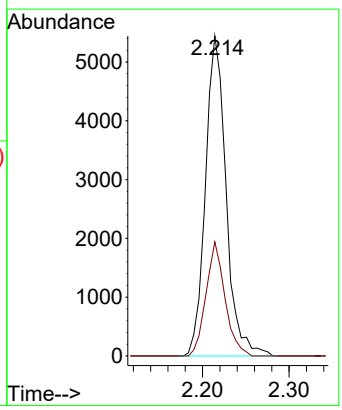


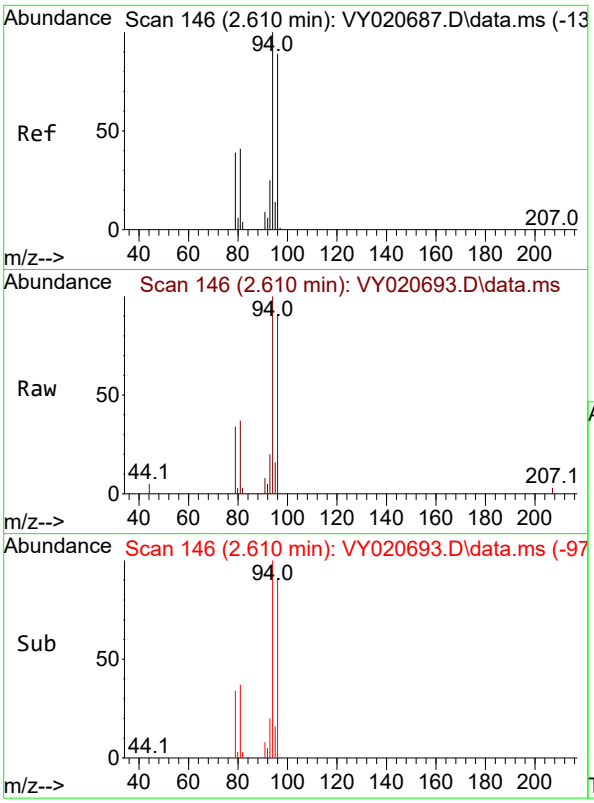


#4
Vinyl Chloride
Concen: 20.287 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 62 Resp: 9014

Ion	Ratio	Lower	Upper
62	100		
64	35.7	25.3	37.9



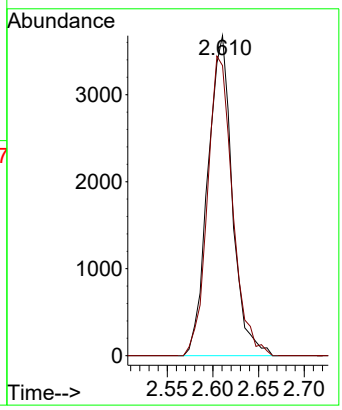


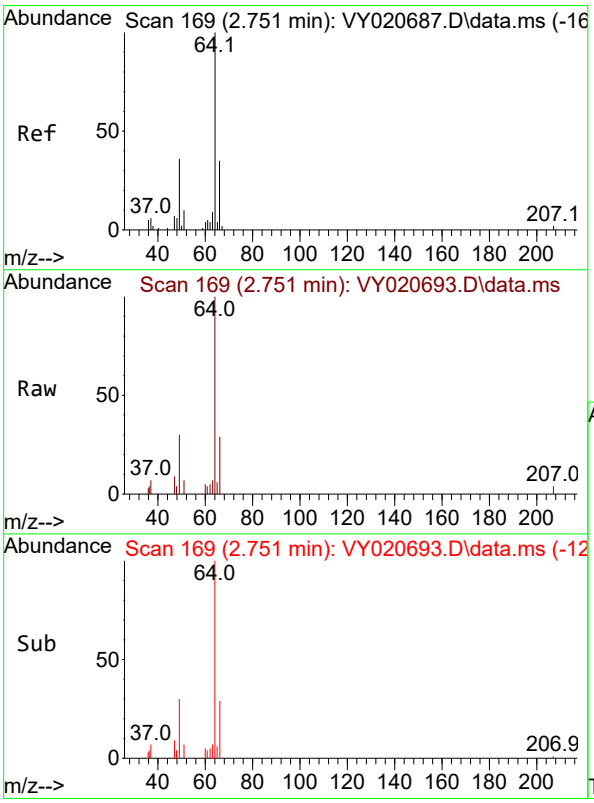
#5
Bromomethane
Concen: 21.766 ug/l
RT: 2.610 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 94 Resp: 6829

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.8	110.6

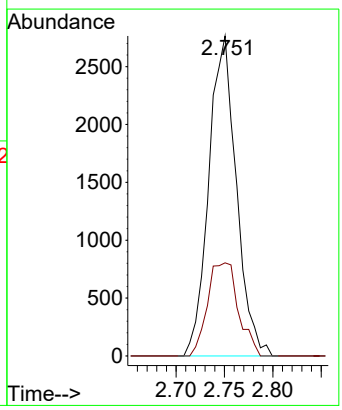


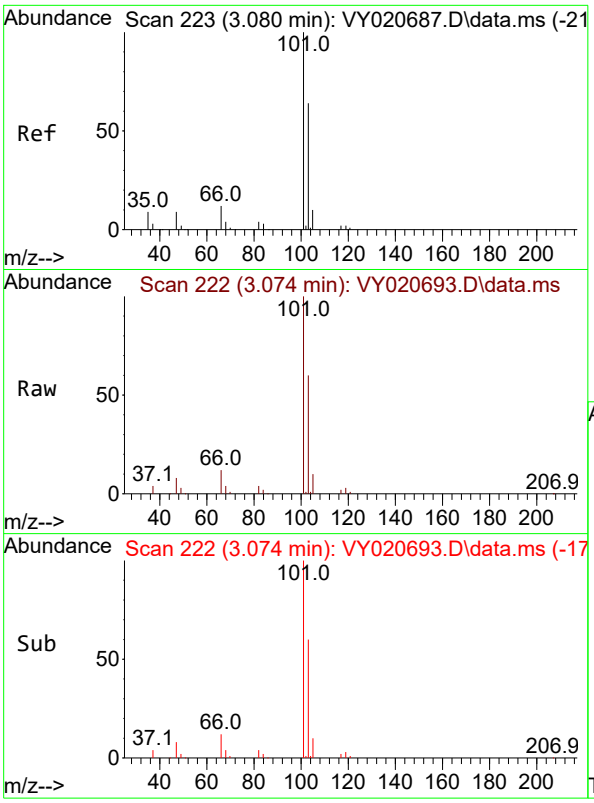


#6
Chloroethane
Concen: 20.297 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 64 Resp: 5481

Ion	Ratio	Lower	Upper
64	100		
66	29.1	25.8	38.6



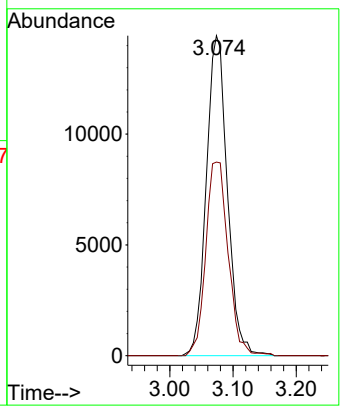


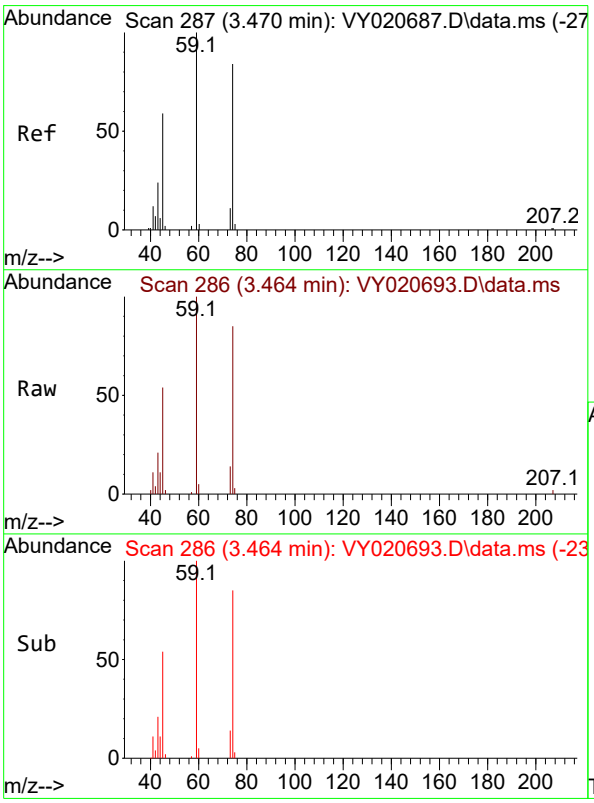
#7
Trichlorofluoromethane
Concen: 20.915 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:101 Resp: 33419

Ion	Ratio	Lower	Upper
101	100		
103	60.5	53.4	80.0

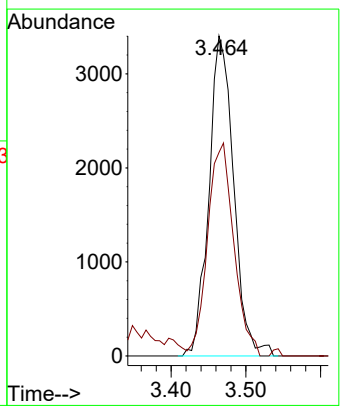


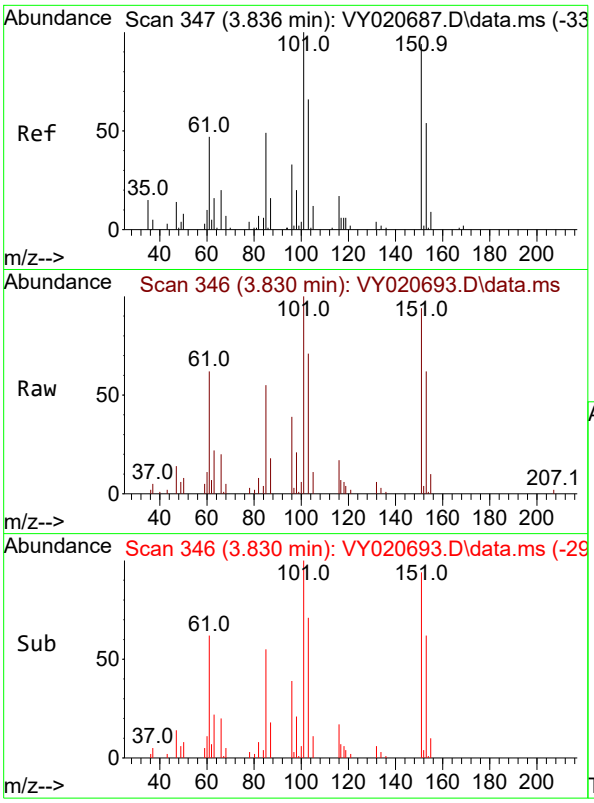


#8
Diethyl Ether
Concen: 20.483 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 74 Resp: 7834

Ion	Ratio	Lower	Upper
74	100		
45	70.3	49.0	147.2



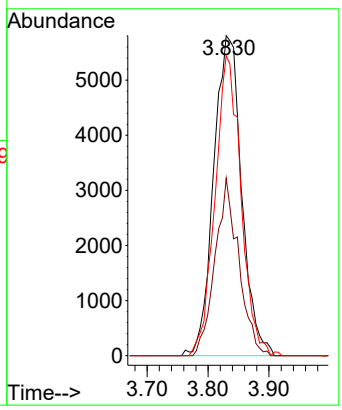


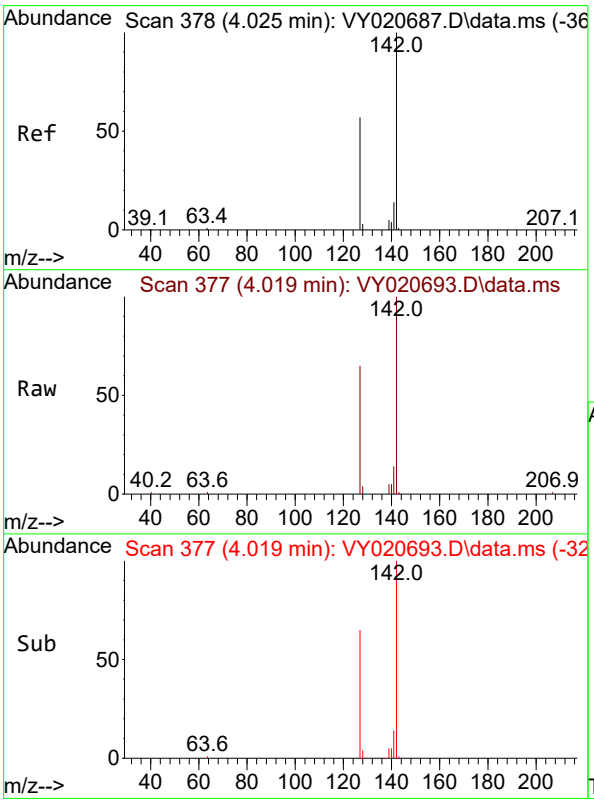
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.172 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:101 Resp: 18473

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.6	54.8
151	87.2	61.5	92.3

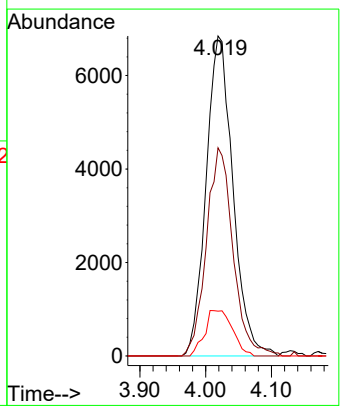


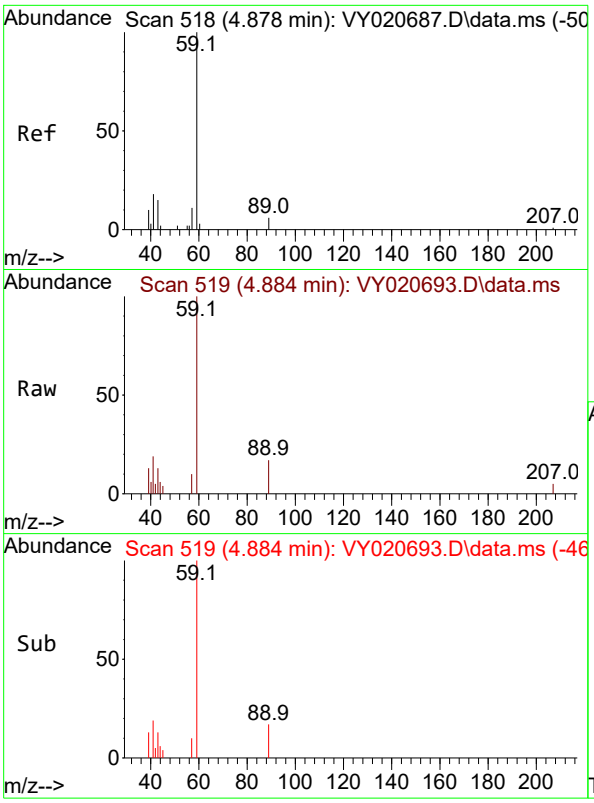


#10
Methyl Iodide
Concen: 19.304 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:142 Resp: 19403

Ion	Ratio	Lower	Upper
142	100		
127	64.7	40.6	61.0#
141	14.7	11.7	17.5



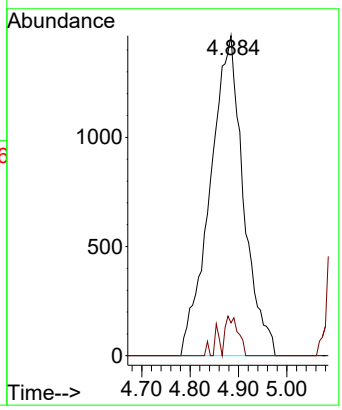


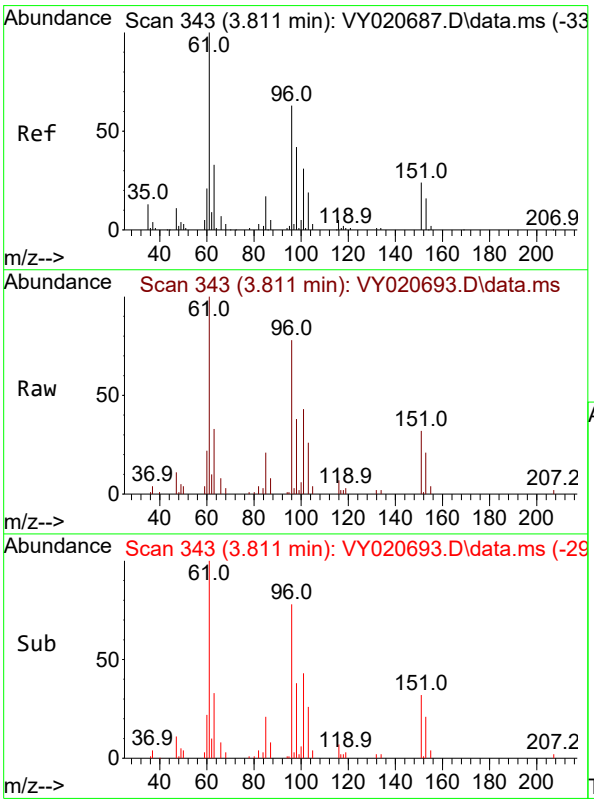
#11
Tert butyl alcohol
Concen: 93.353 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 59 Resp: 7014

Ion	Ratio	Lower	Upper
59	100		
57	4.7	7.4	11.0#

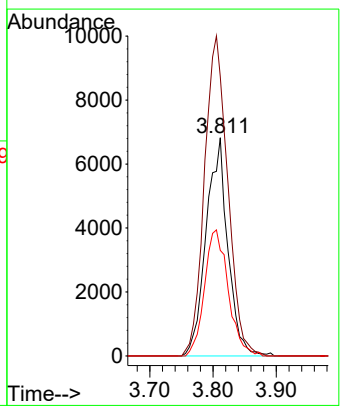


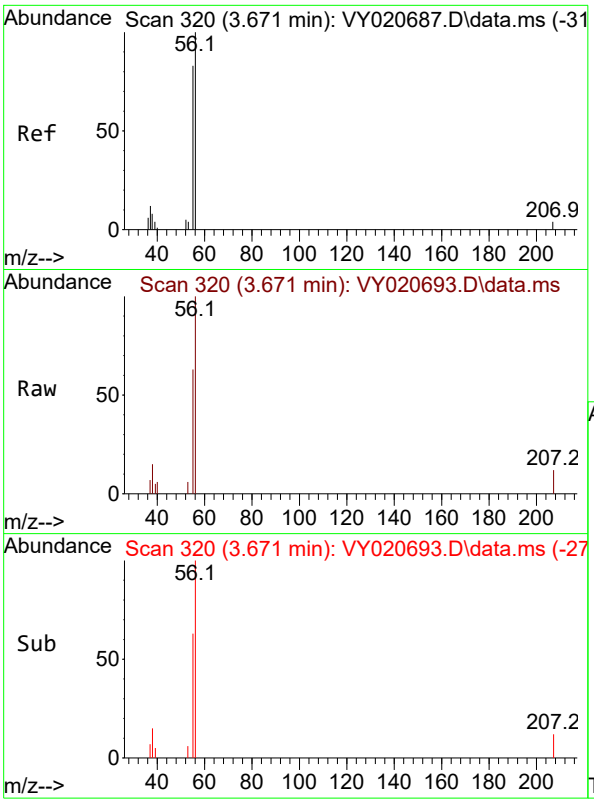


#12
1,1-Dichloroethene
Concen: 20.994 ug/l
RT: 3.811 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 96 Resp: 16257

Ion	Ratio	Lower	Upper
96	100		
61	128.0	136.9	205.3#
98	48.4	50.2	75.4#



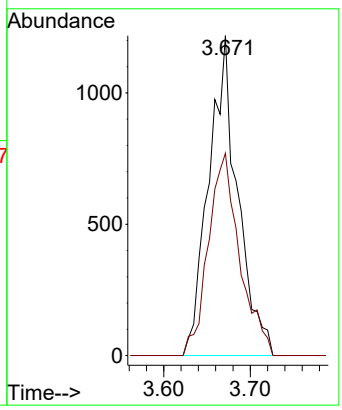


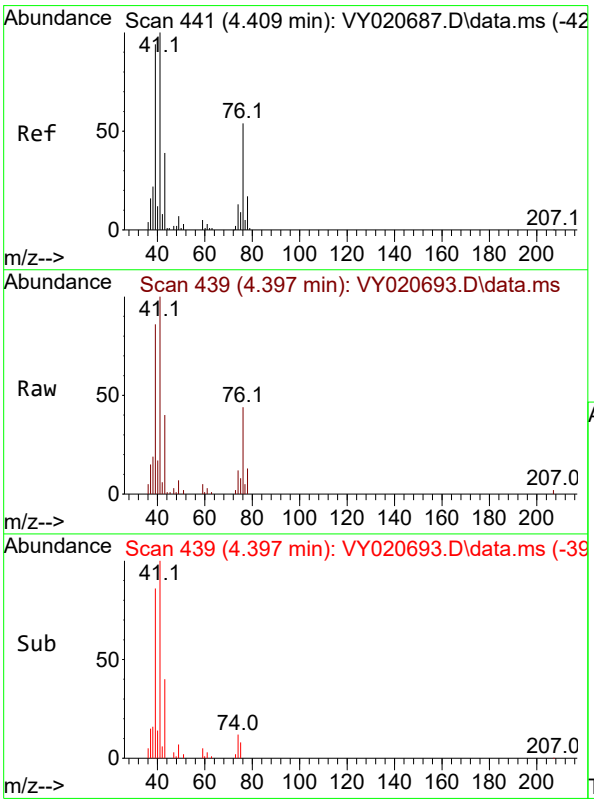
#13
Acrolein
Concen: 146.178 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 56 Resp: 2829

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.5	86.3

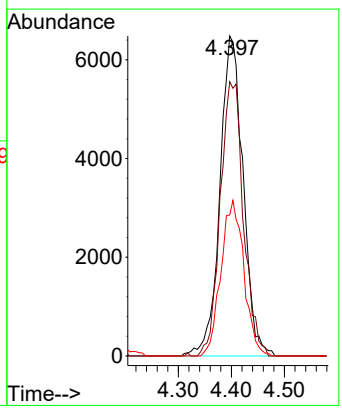


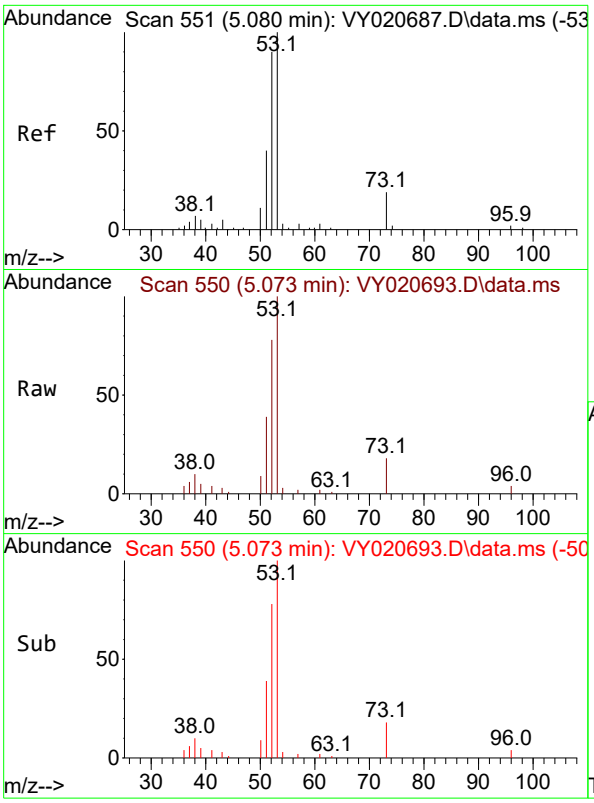


#14
Allyl chloride
Concen: 21.590 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 41 Resp: 19606

Ion	Ratio	Lower	Upper
41	100		
39	85.8	53.0	79.4#
76	48.2	29.5	44.3#



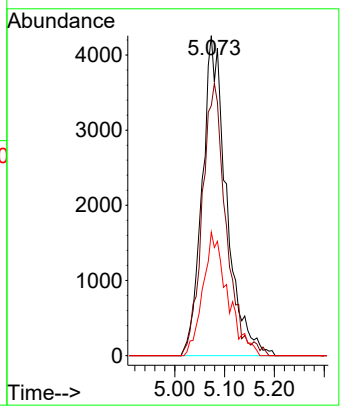


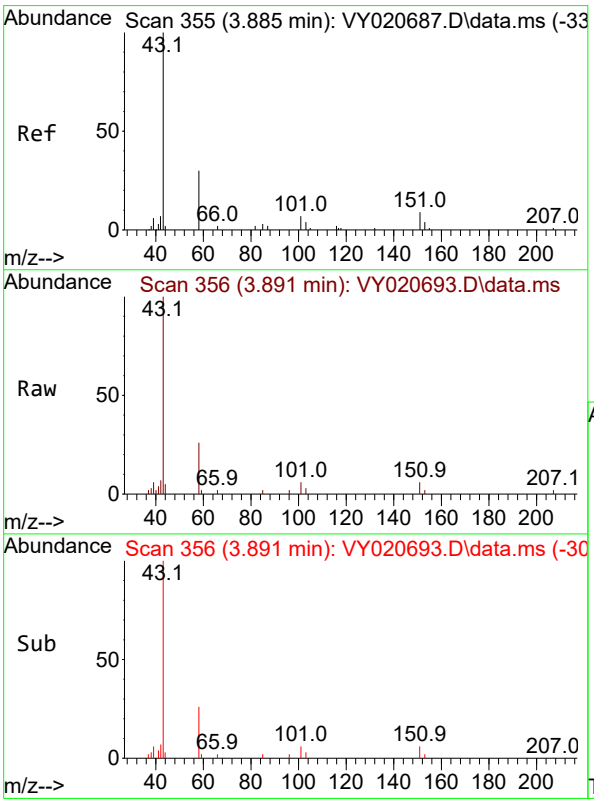
#15
Acrylonitrile
Concen: 102.084 ug/l
RT: 5.073 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 53 Resp: 14391

Ion	Ratio	Lower	Upper
53	100		
52	83.3	64.5	96.7
51	39.4	29.4	44.0

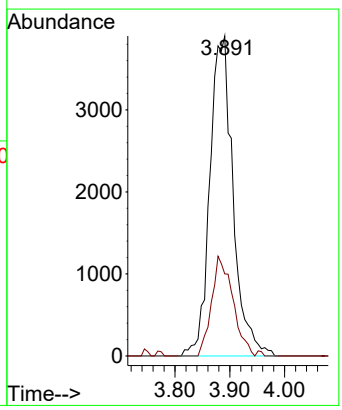


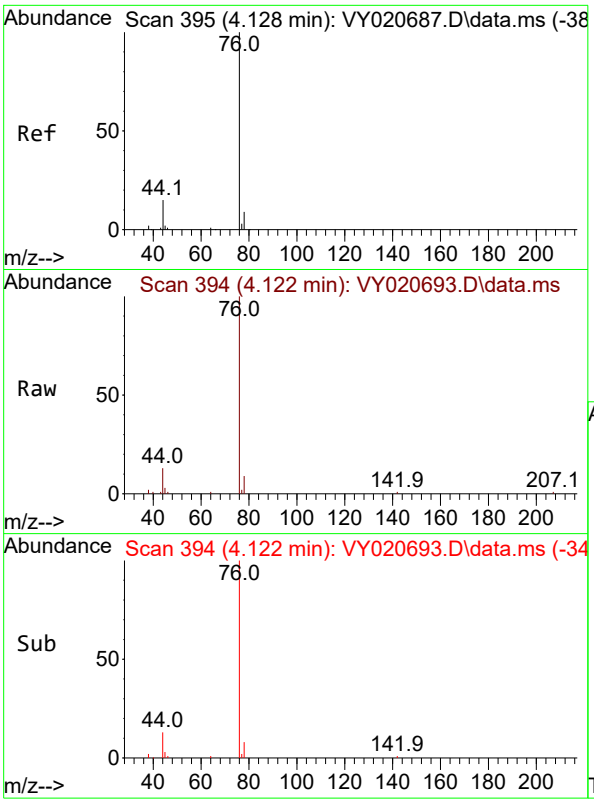


#16
Acetone
Concen: 97.335 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 11433

Ion	Ratio	Lower	Upper
43	100		
58	25.6	25.0	37.6



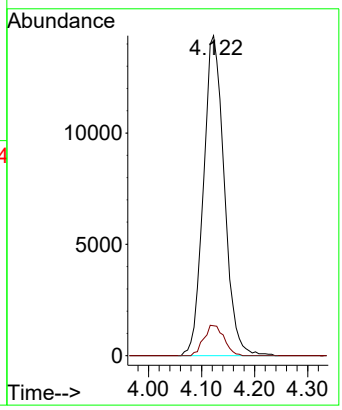


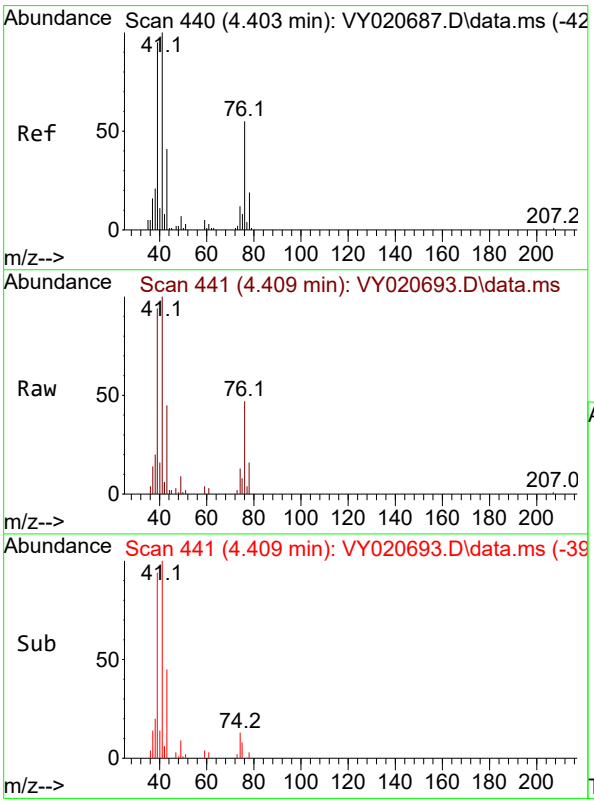
#17
Carbon Disulfide
Concen: 20.272 ug/l
RT: 4.122 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 76 Resp: 39139

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

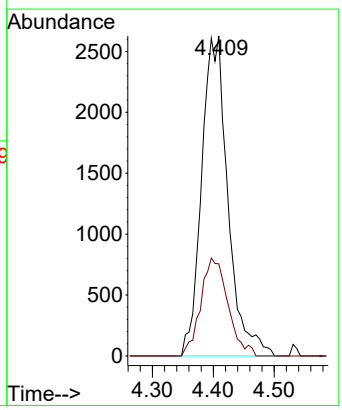


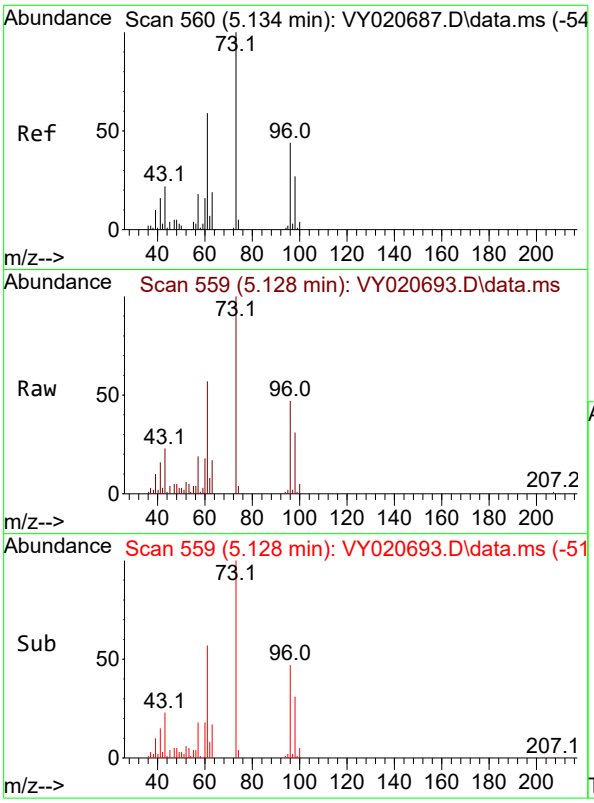


#18
Methyl Acetate
Concen: 25.944 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 7884

Ion	Ratio	Lower	Upper
43	100		
74	31.6	19.2	28.8#



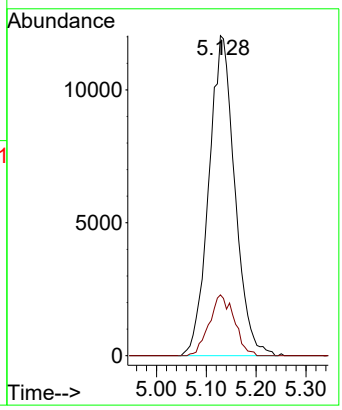


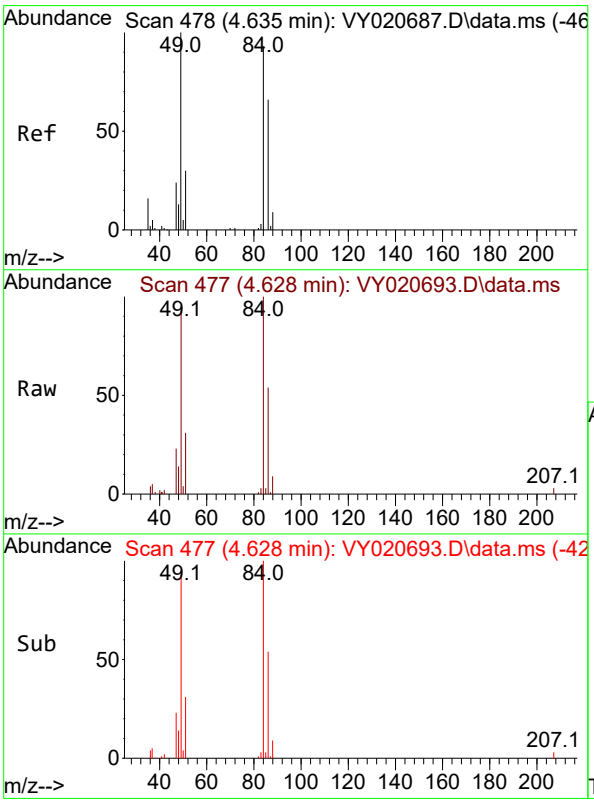
#19
Methyl tert-butyl Ether
Concen: 20.690 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 73 Resp: 43581

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

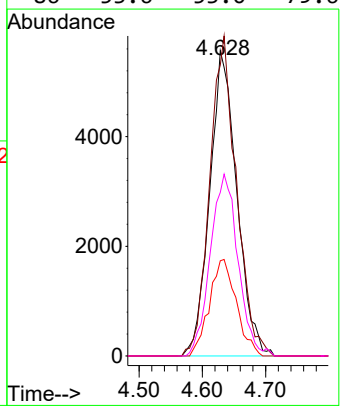


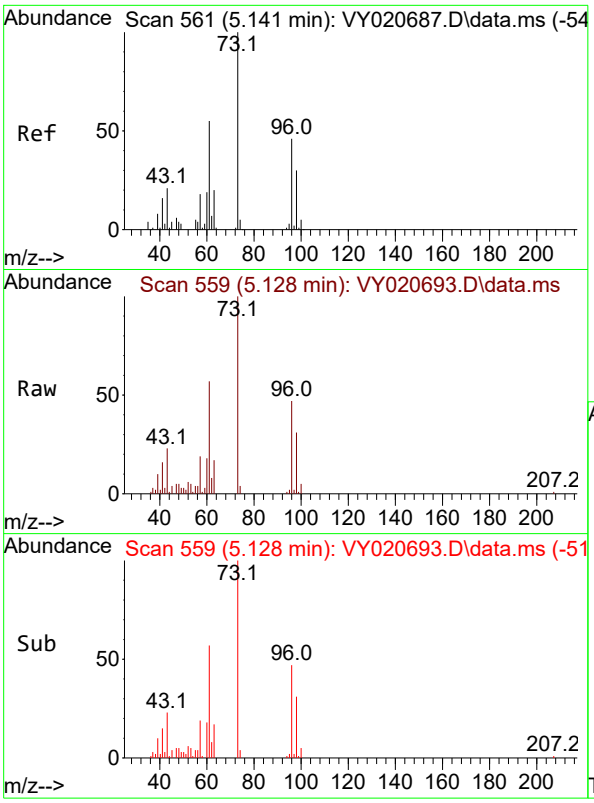


#20
Methylene Chloride
Concen: 21.167 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 84 Resp: 16568

Ion	Ratio	Lower	Upper
84	100		
49	95.3	100.7	151.1#
51	31.2	32.2	48.2#
86	53.6	53.0	79.6



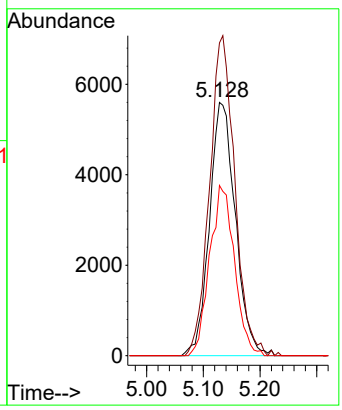


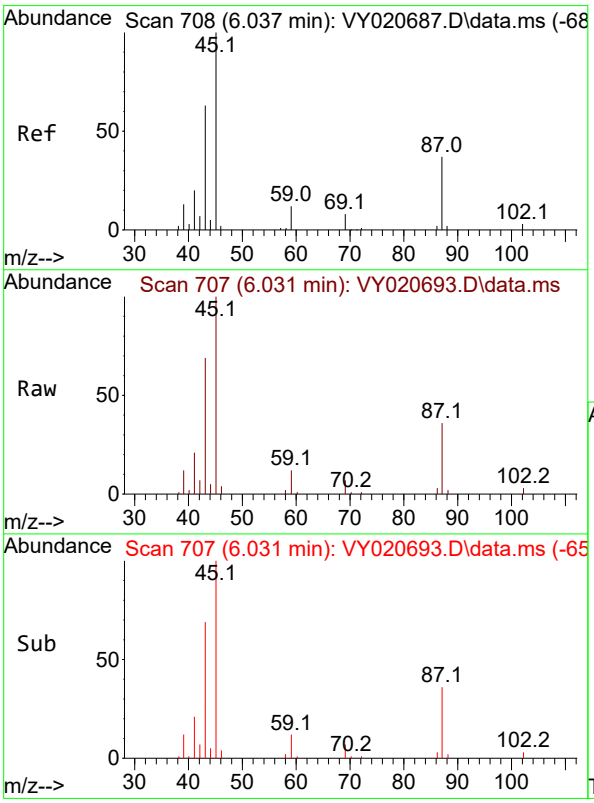
#21
trans-1,2-Dichloroethene
Concen: 21.306 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 96 Resp: 17790

Ion	Ratio	Lower	Upper
96	100		
61	123.5	113.7	170.5
98	67.2	51.7	77.5

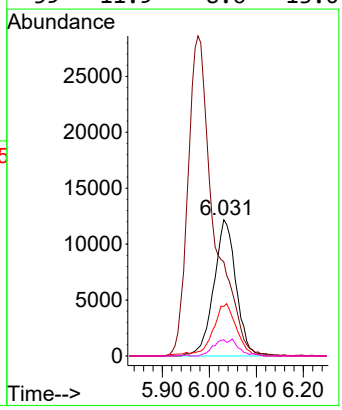


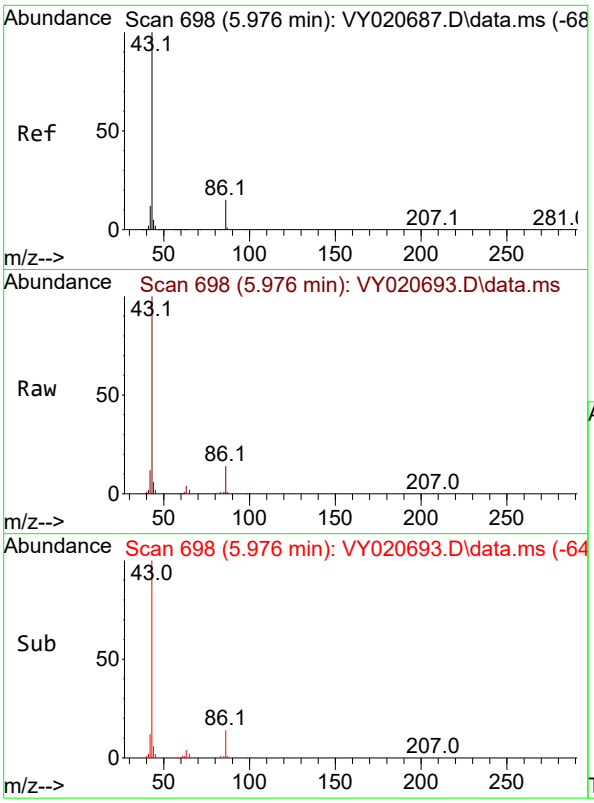


#22
Diisopropyl ether
Concen: 21.549 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 45 Resp: 40004

Ion	Ratio	Lower	Upper
45	100		
43	68.3	42.6	64.0#
87	36.4	20.6	31.0#
59	11.9	8.6	13.0



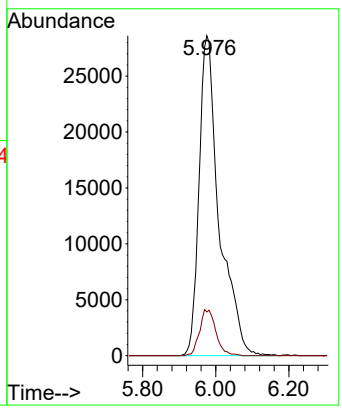


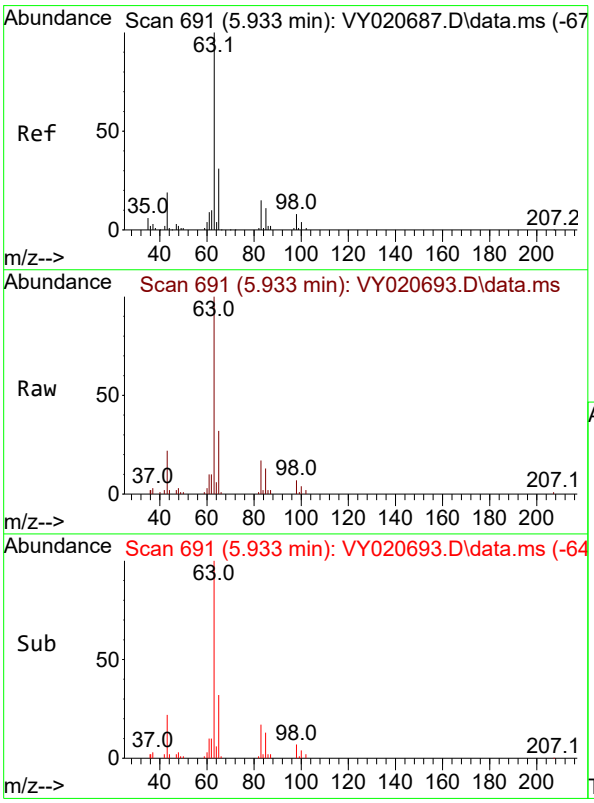
#23
Vinyl Acetate
Concen: 99.683 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 109581

Ion	Ratio	Lower	Upper
43	100		
86	13.6	8.1	12.1#

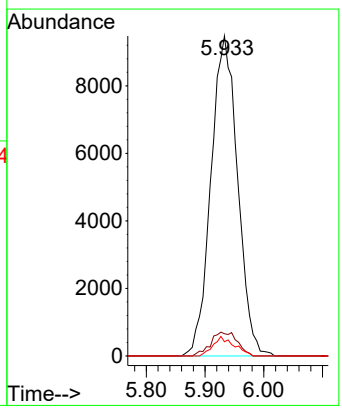


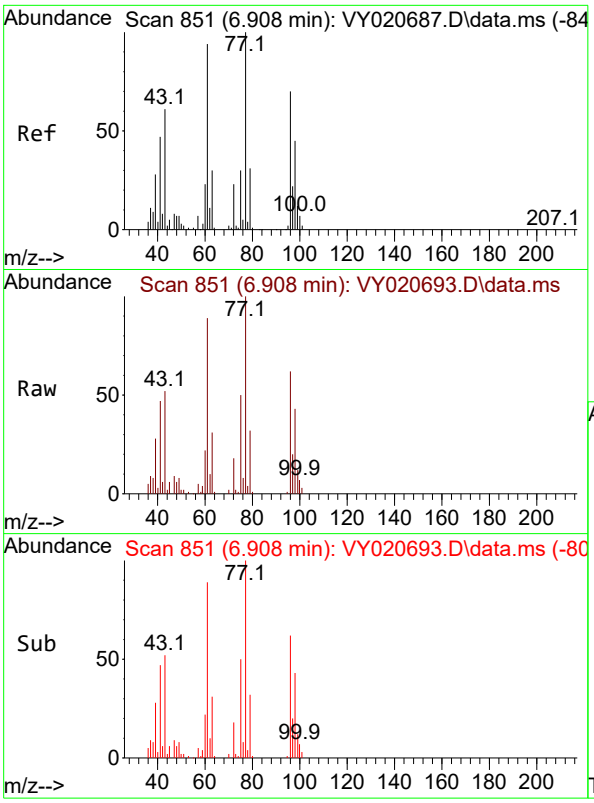


#24
1,1-Dichloroethane
Concen: 21.598 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 63 Resp: 29890

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.5	2.1	6.5



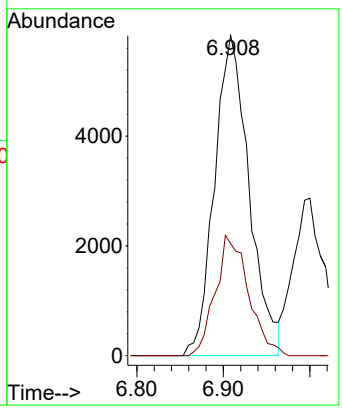


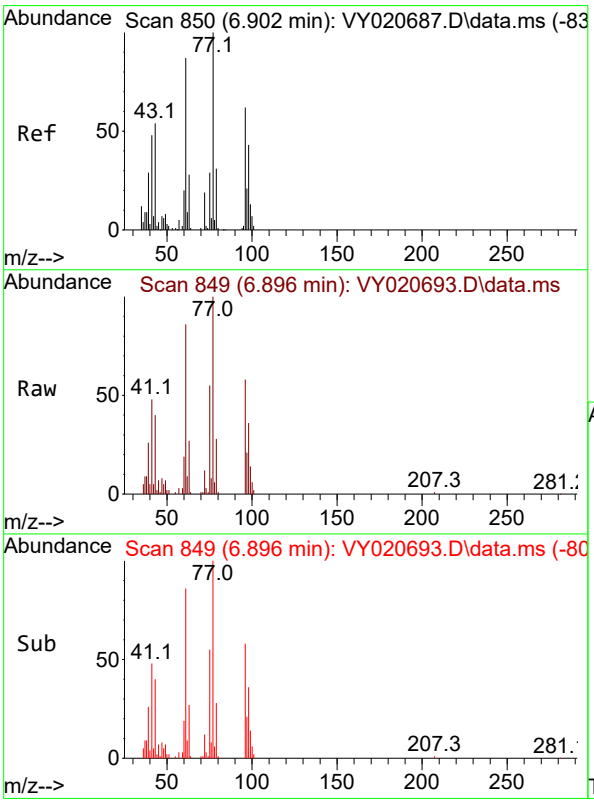
#25
2-Butanone
Concen: 98.205 ug/l
RT: 6.908 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 16204

Ion	Ratio	Lower	Upper
43	100		
72	35.0	20.6	31.0#

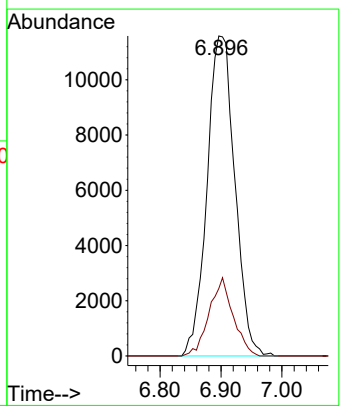


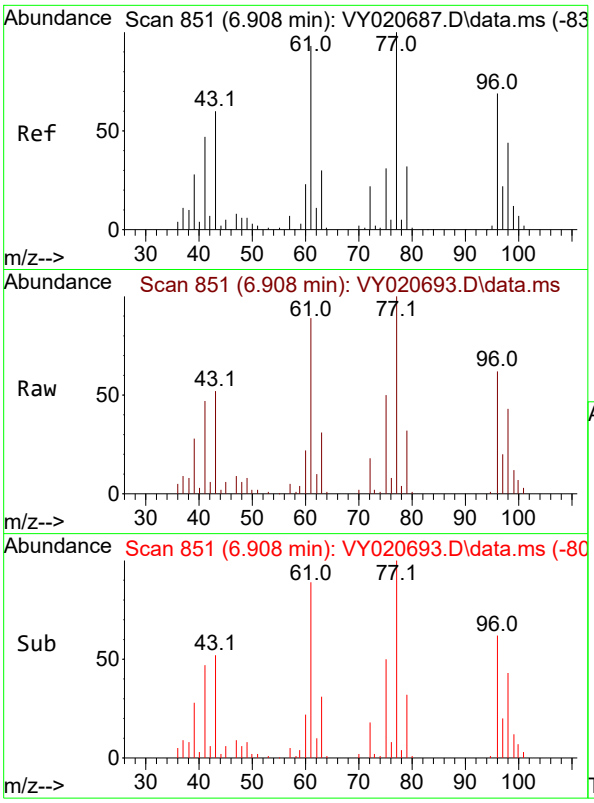


#26
2,2-Dichloropropane
Concen: 21.226 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 77 Resp: 36752

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.9	32.6



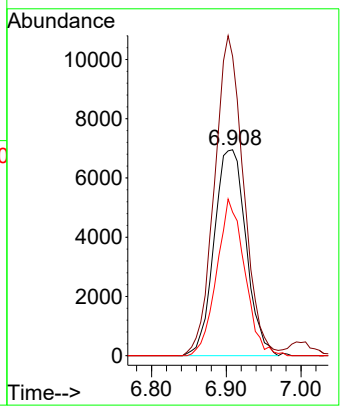


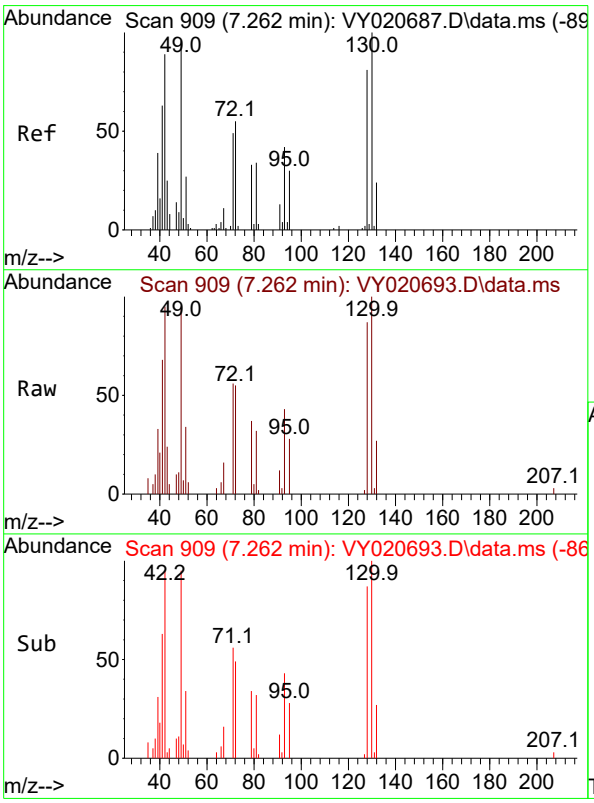
#27
cis-1,2-Dichloroethene
Concen: 20.749 ug/l
RT: 6.908 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 96 Resp: 20635

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	306.2
98	66.8	0.0	127.2

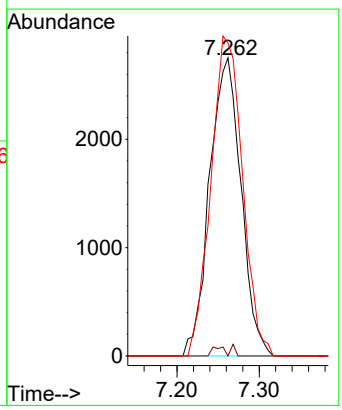


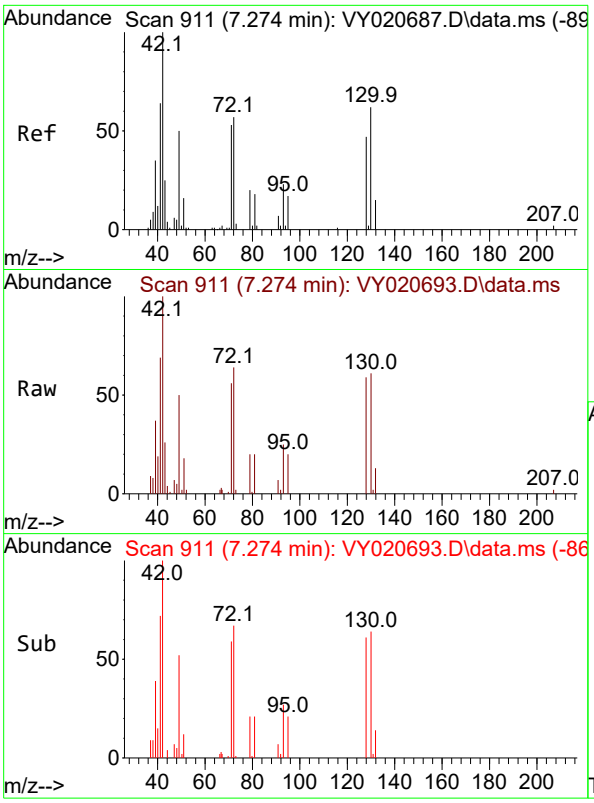


#28
Bromochloromethane
Concen: 19.983 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 49 Resp: 7297

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	107.8	58.3	87.5#



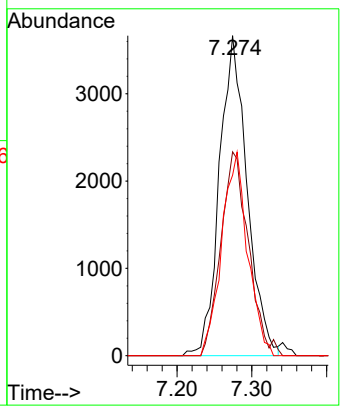


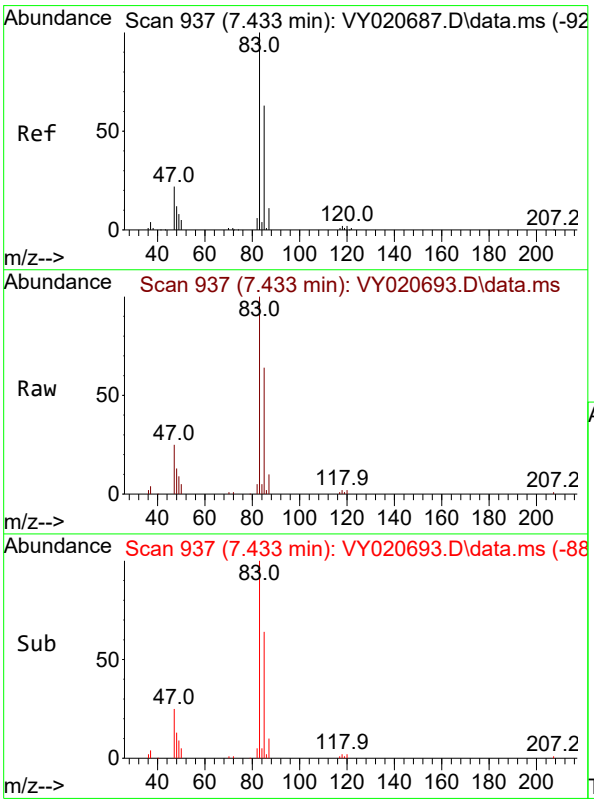
#29
Tetrahydrofuran
Concen: 97.328 ug/l
RT: 7.274 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 42 Resp: 9439

Ion	Ratio	Lower	Upper
42	100		
72	63.8	34.0	51.0#
71	59.6	31.6	47.4#

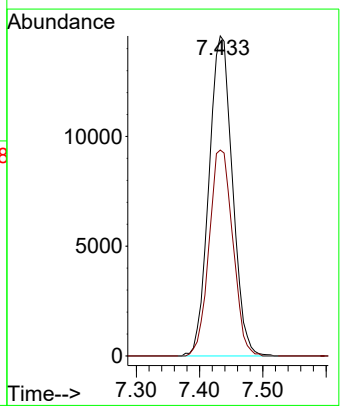


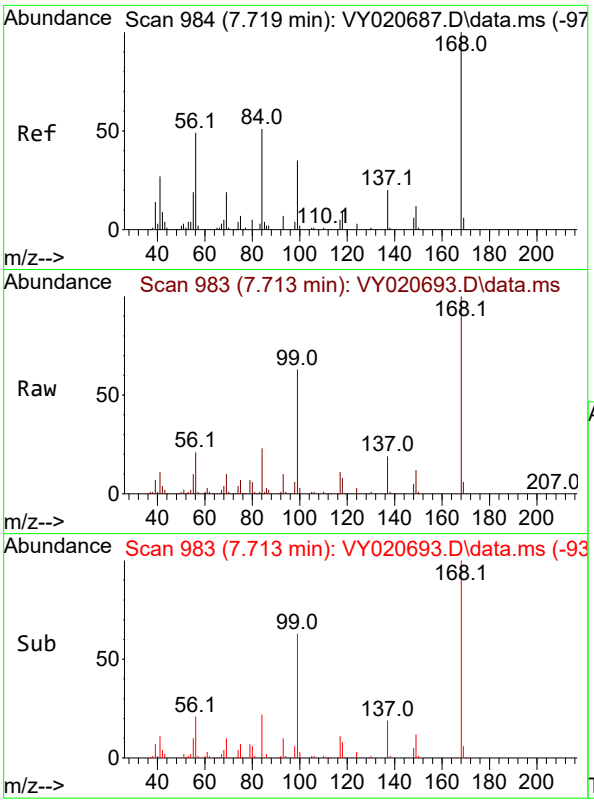


#30
Chloroform
Concen: 20.636 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 83 Resp: 37539

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.7	79.1



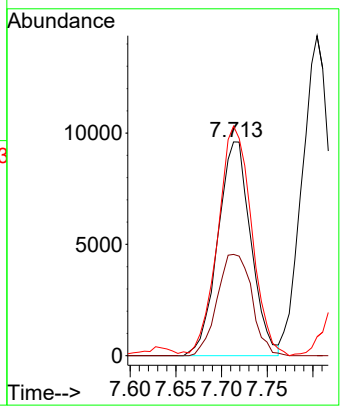


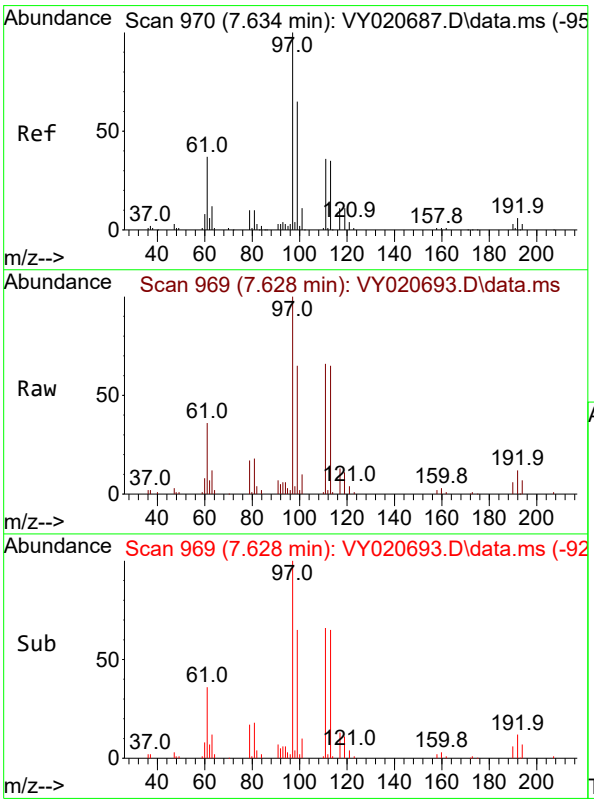
#31
Cyclohexane
Concen: 19.943 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 56 Resp: 24199

Ion	Ratio	Lower	Upper
56	100		
69	47.4	25.4	38.0#
84	106.4	68.3	102.5#

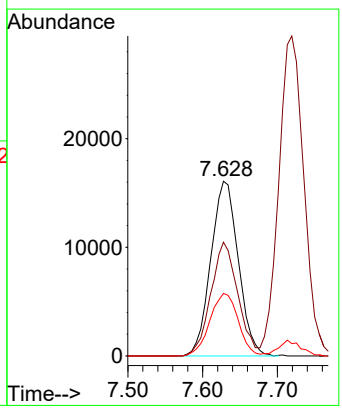


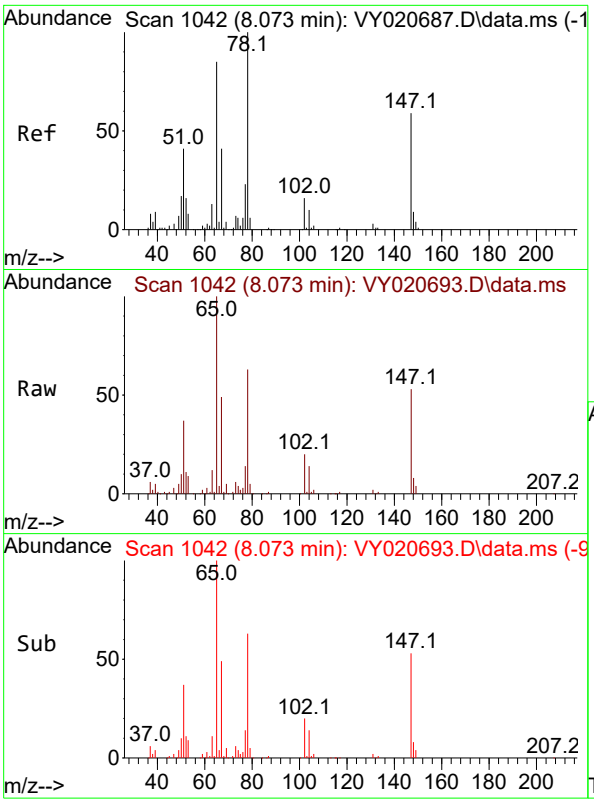


#32
1,1,1-Trichloroethane
Concen: 21.606 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 97 Resp: 41061

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	36.9	34.7	52.1



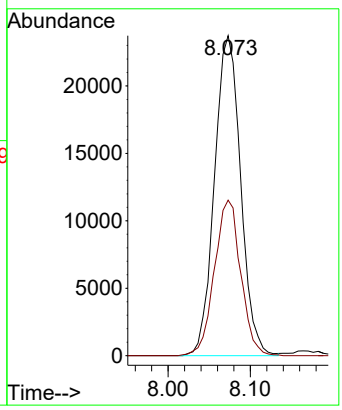


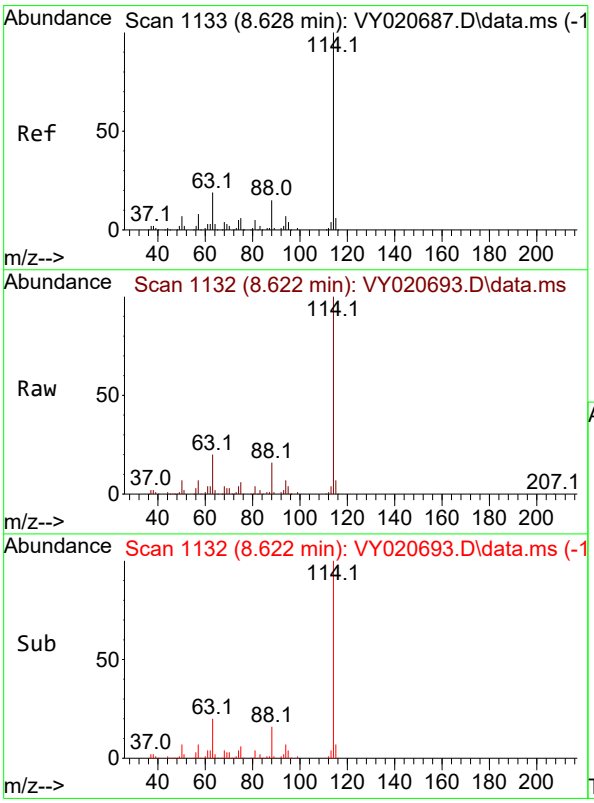
#33
1,2-Dichloroethane-d4
Concen: 51.014 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 65 Resp: 52460

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	108.0

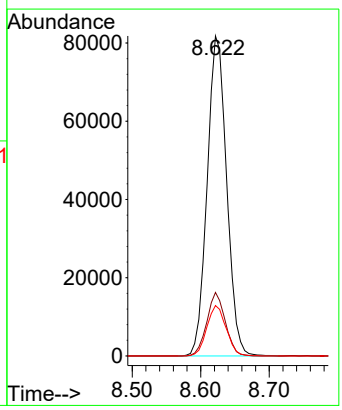


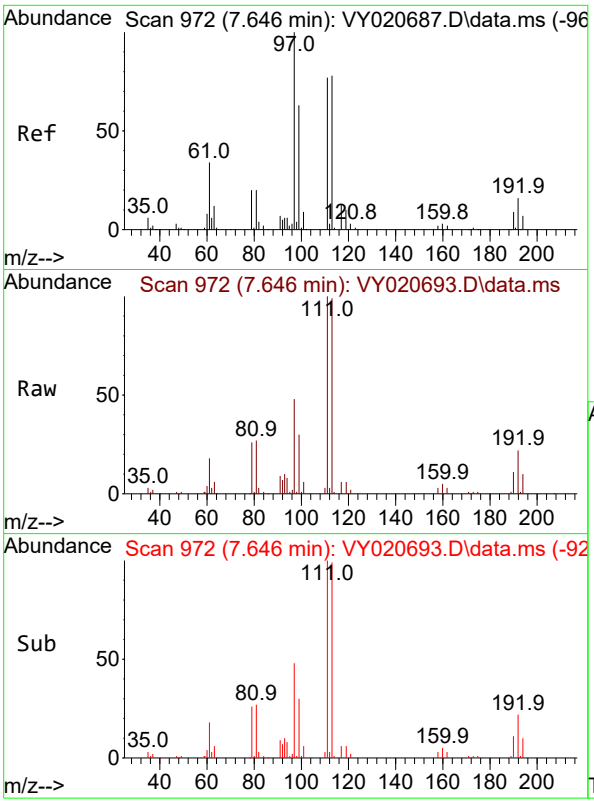


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:114 Resp: 161575

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	44.0
88	15.8	0.0	32.8



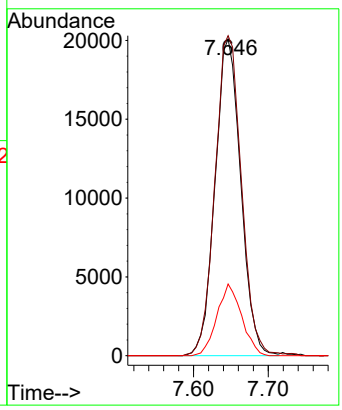


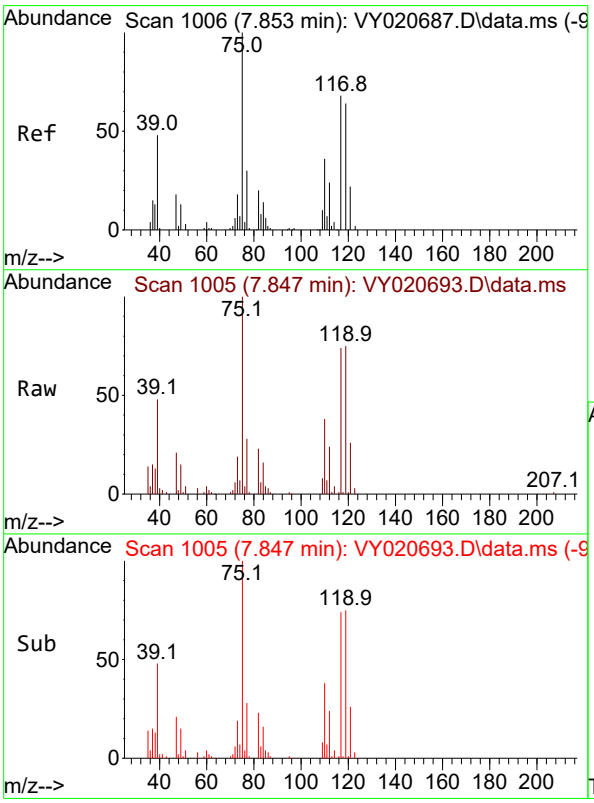
#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:113 Resp: 47926

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	21.8	15.7	23.5

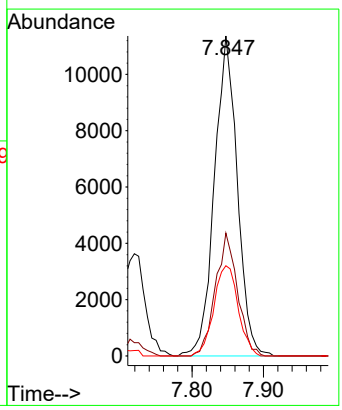


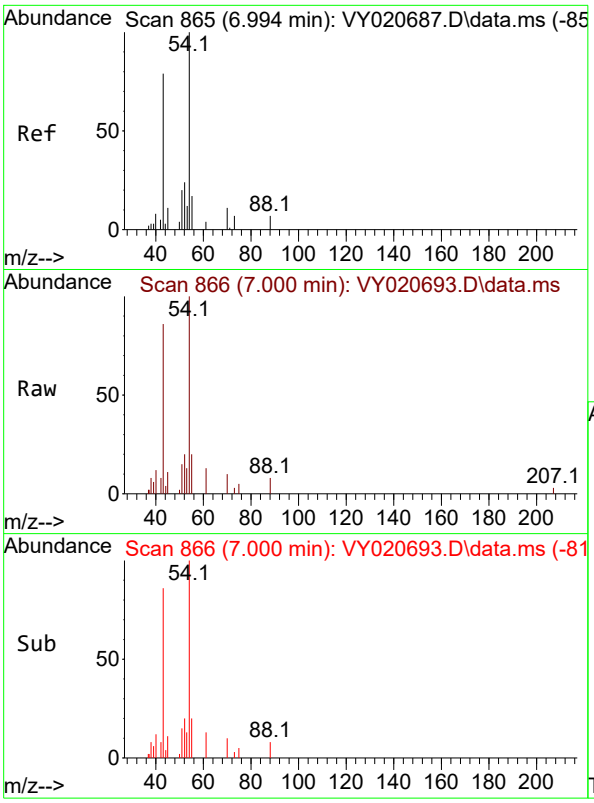


#36
1,1-Dichloropropene
Concen: 21.891 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 25245

Ion	Ratio	Lower	Upper
75	100		
110	37.1	16.8	50.4
77	30.0	25.0	37.6



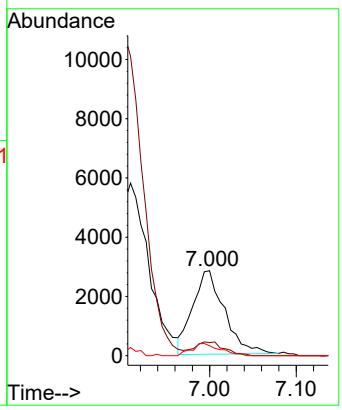


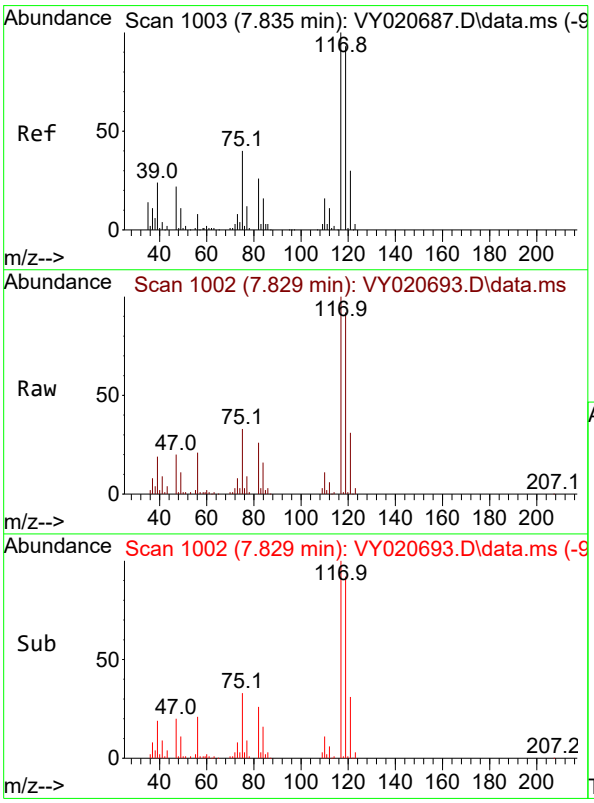
#37
Ethyl Acetate
Concen: 19.067 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 7186

Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.0	16.4
70	12.9	7.9	11.9#

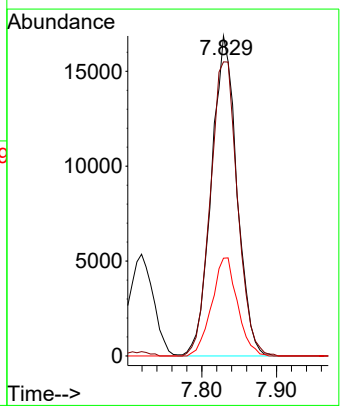


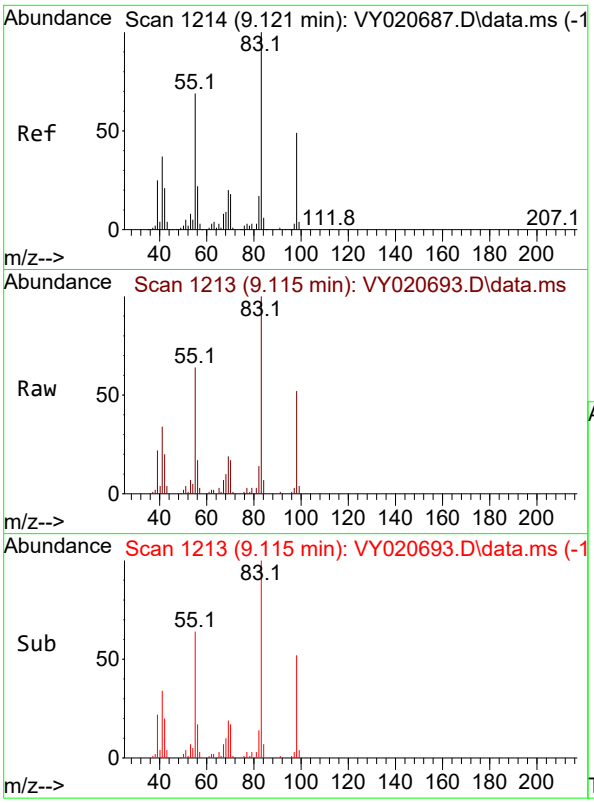


#38
Carbon Tetrachloride
Concen: 21.479 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:117 Resp: 40083

Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.3	117.5
121	30.6	25.1	37.7



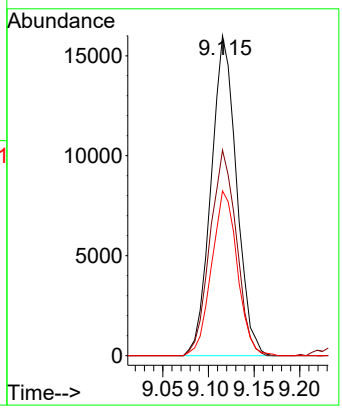


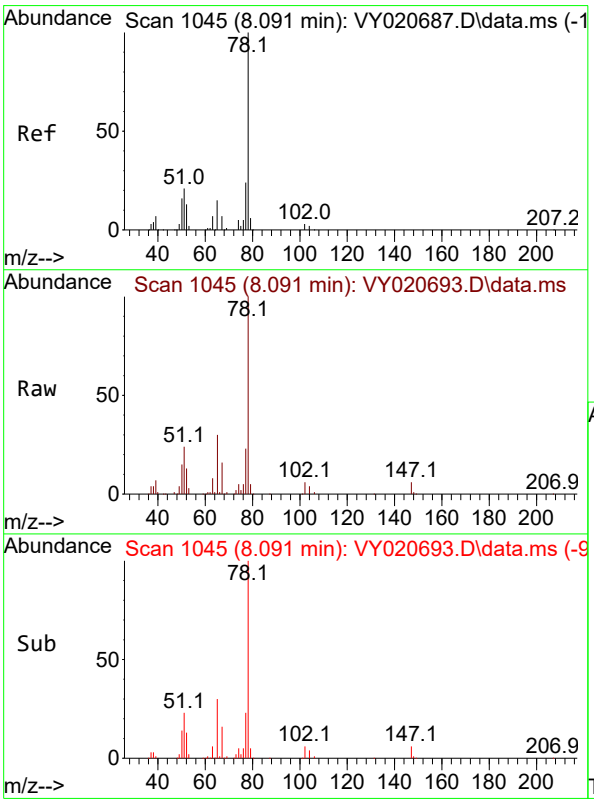
#39
Methylcyclohexane
Concen: 21.159 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 83 Resp: 31014

Ion	Ratio	Lower	Upper
83	100		
55	64.3	61.4	92.0
98	51.5	37.3	55.9

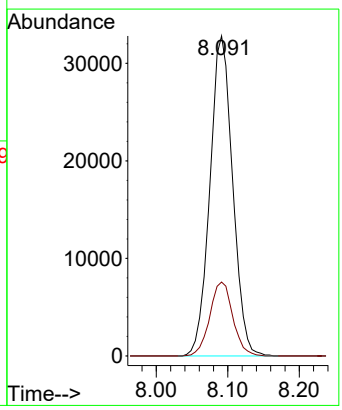


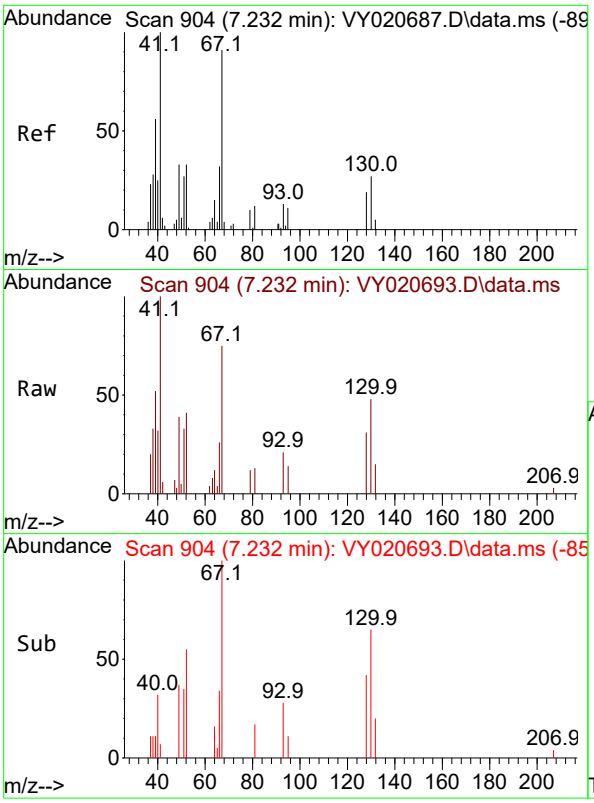


#40
Benzene
Concen: 21.770 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 78 Resp: 72425

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.1	30.1



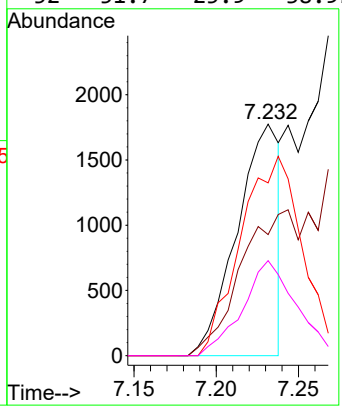


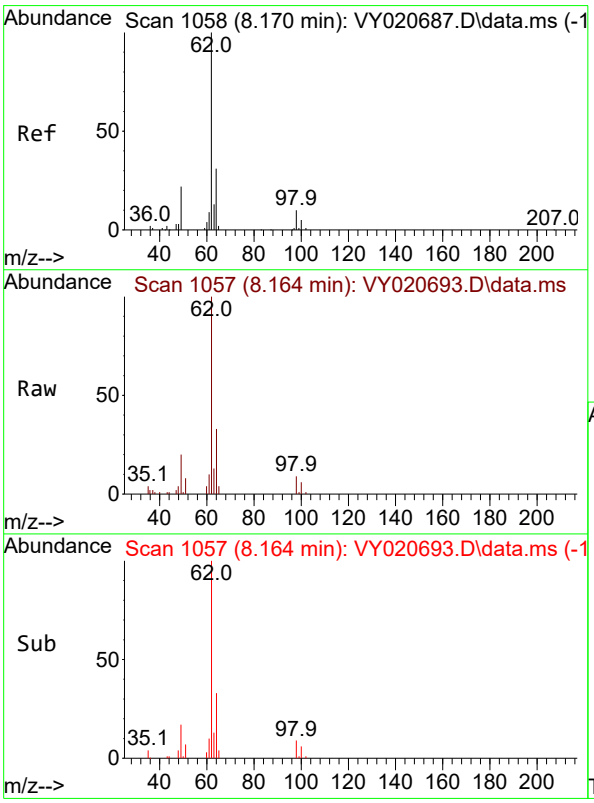
#41
Methacrylonitrile
Concen: 15.043 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 41 Resp: 3212

Ion	Ratio	Lower	Upper
41	100		
39	82.8	53.6	80.4#
67	126.9	62.0	93.0#
52	51.7	25.9	38.9#

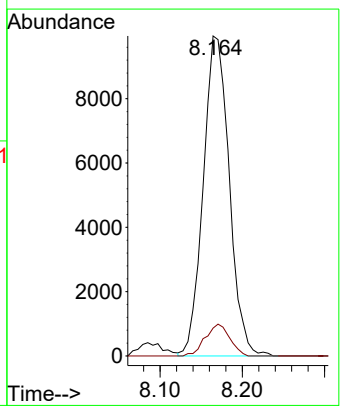


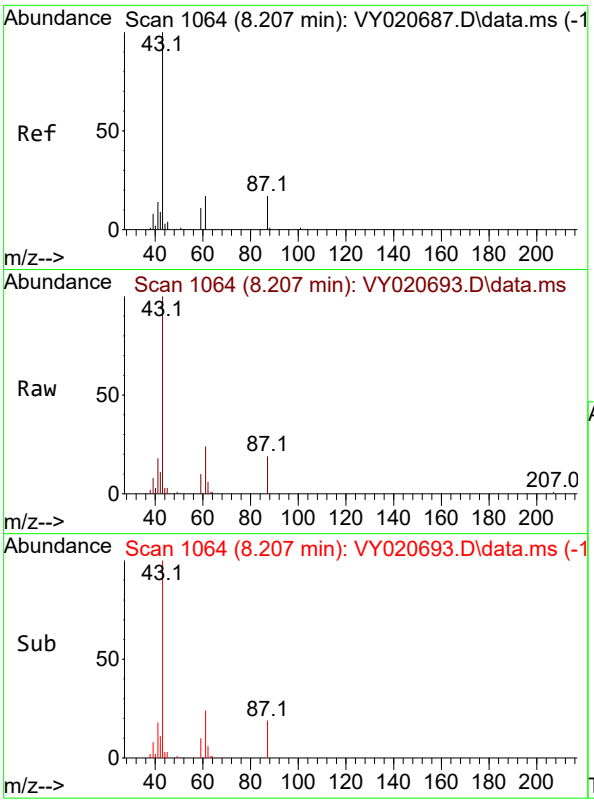


#42
1,2-Dichloroethane
Concen: 20.681 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 62 Resp: 21881

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0



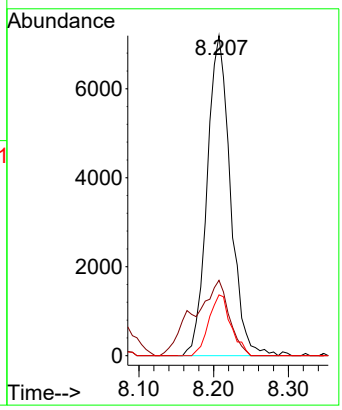


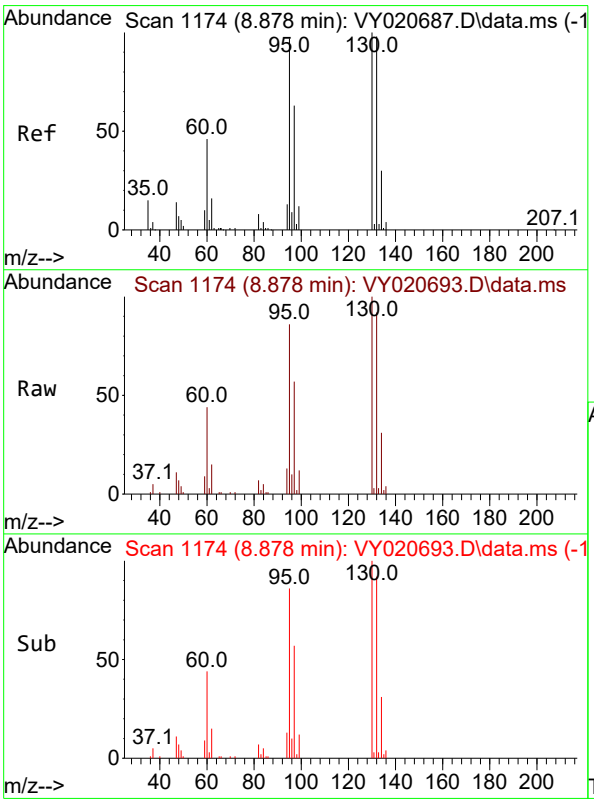
#43
Isopropyl Acetate
Concen: 19.841 ug/l
RT: 8.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 15542

Ion	Ratio	Lower	Upper
43	100		
61	35.6	23.8	35.6
87	18.1	10.2	15.4#

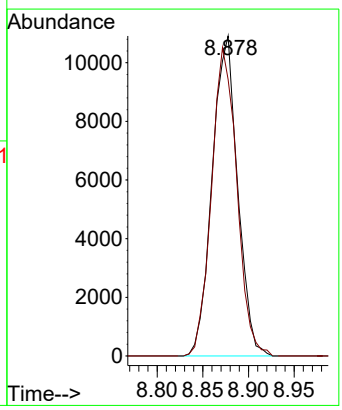


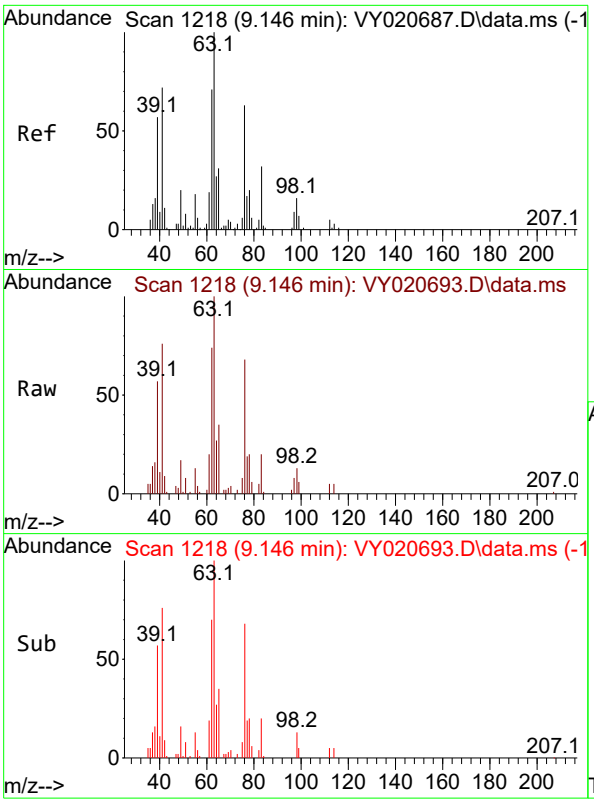


#44
Trichloroethene
Concen: 21.389 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:130 Resp: 21118

Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	203.2



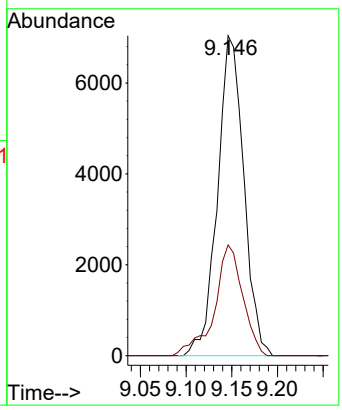


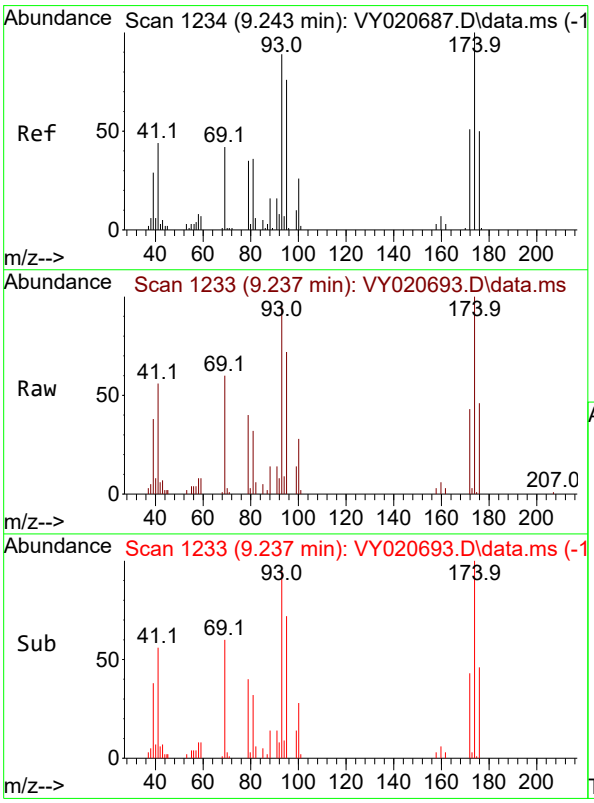
#45
1,2-Dichloropropane
Concen: 21.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 63 Resp: 14078

Ion	Ratio	Lower	Upper
63	100		
65	34.6	25.9	38.9

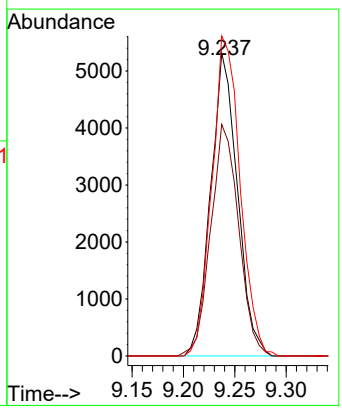


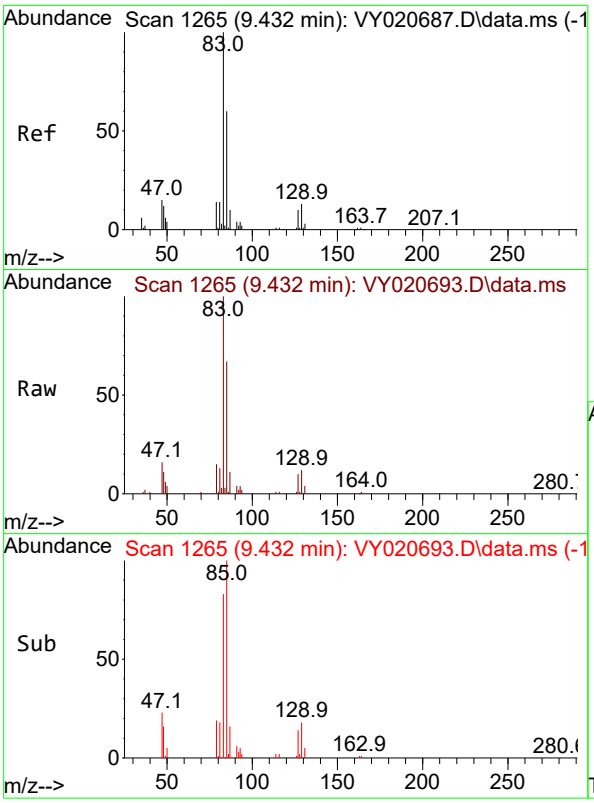


#46
Dibromomethane
Concen: 21.314 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 93 Resp: 9618

Ion	Ratio	Lower	Upper
93	100		
95	79.7	66.7	100.1
174	111.4	77.8	116.6



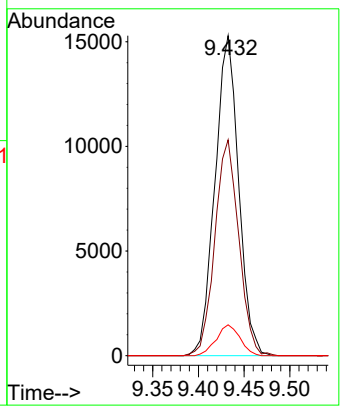


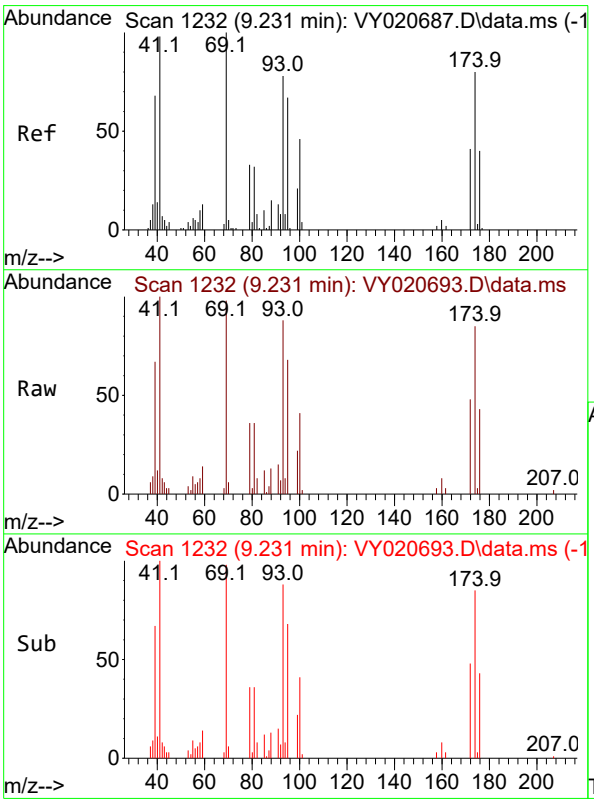
#47
Bromodichloromethane
Concen: 21.486 ug/l
RT: 9.432 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 83 Resp: 27504

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.1	78.1
127	9.7	6.7	10.1

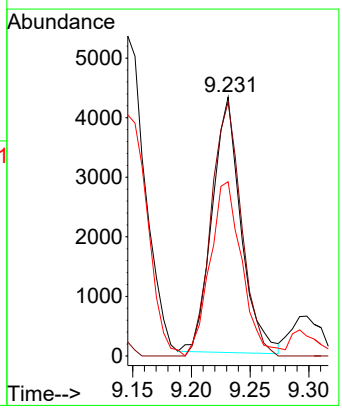


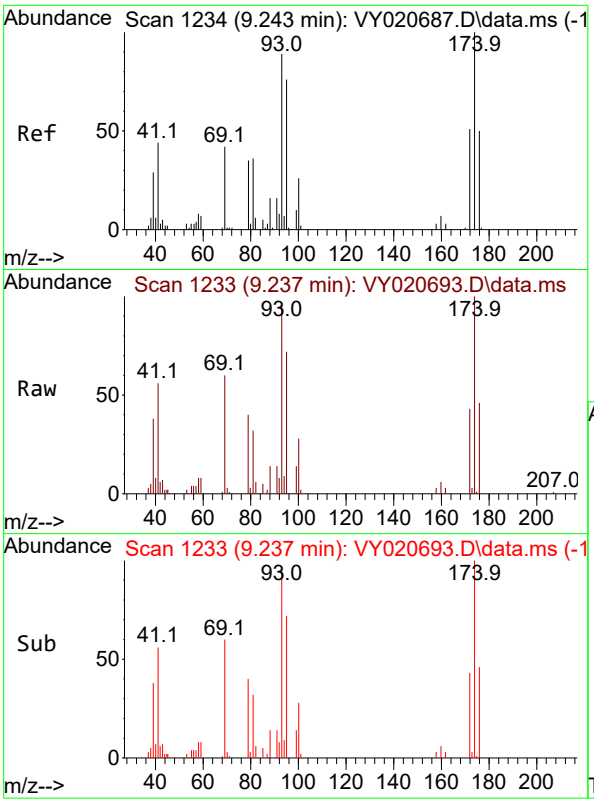


#48
Methyl methacrylate
Concen: 19.772 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 41 Resp: 7342

Ion	Ratio	Lower	Upper
41	100		
69	103.9	67.2	100.8#
39	75.0	42.2	63.4#



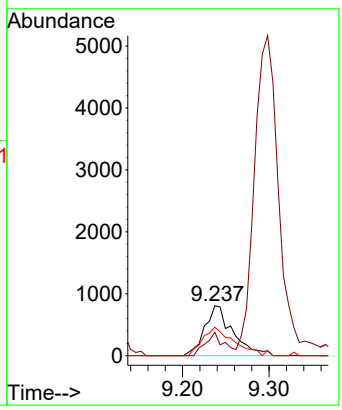


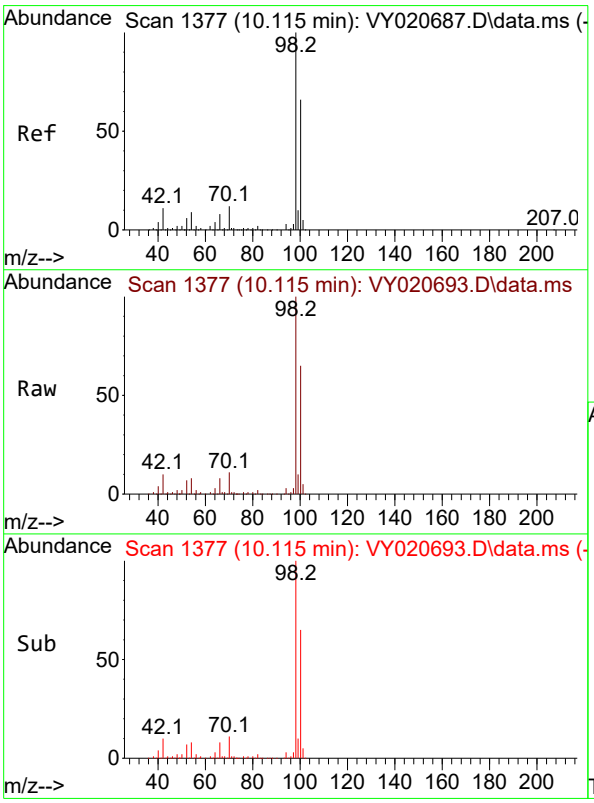
#49
1,4-Dioxane
Concen: 427.889 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 88 Resp: 1811

Ion	Ratio	Lower	Upper
88	100		
43	31.5	27.6	41.4
58	63.5	61.7	92.5

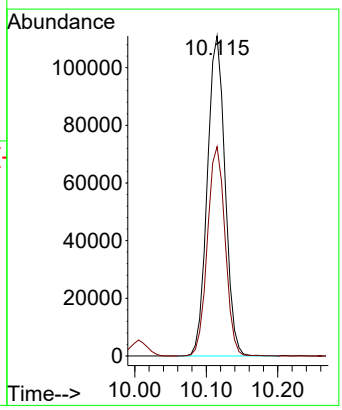


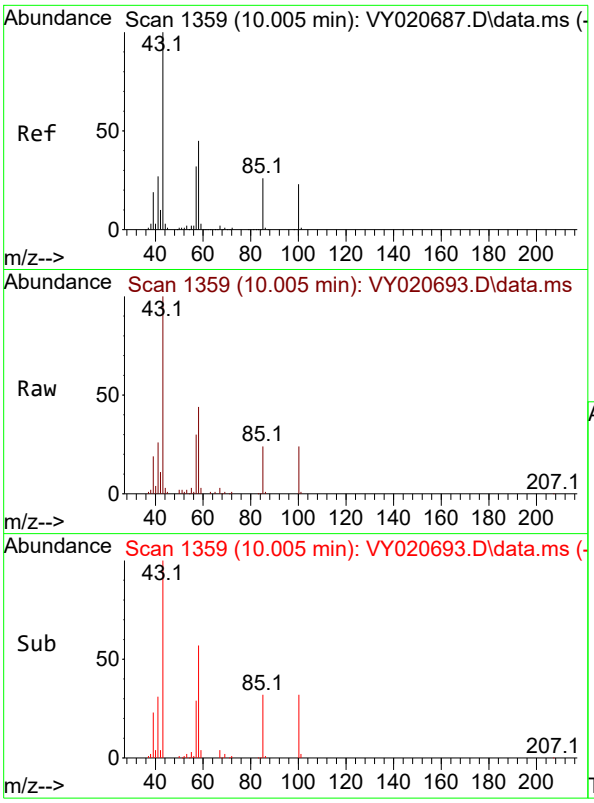


#50
Toluene-d8
Concen: 55.376 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 98 Resp: 190819

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1



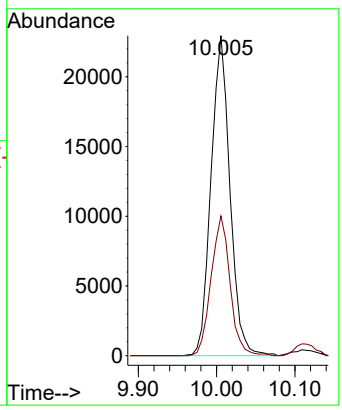


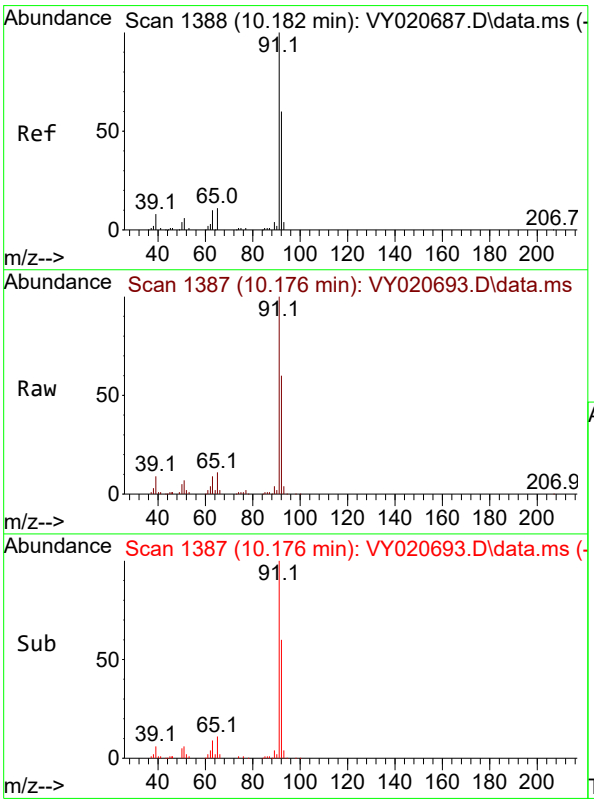
#51
4-Methyl-2-Pentanone
Concen: 98.474 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 38532

Ion	Ratio	Lower	Upper
43	100		
58	43.8	31.4	47.2

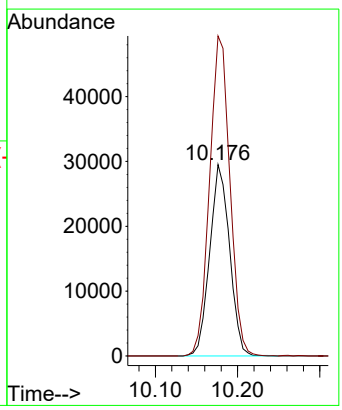


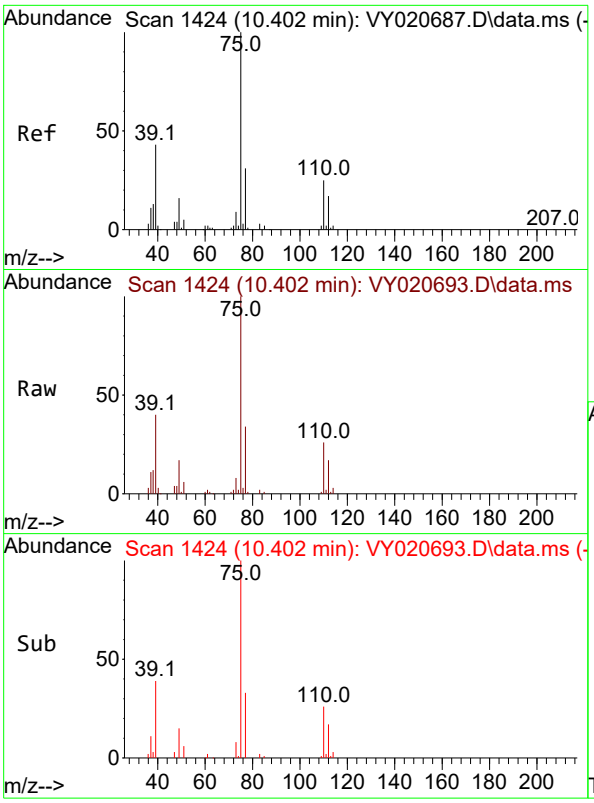


#52
Toluene
Concen: 21.851 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 92 Resp: 49502

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.4	206.0



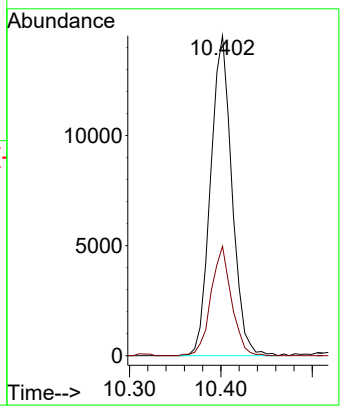


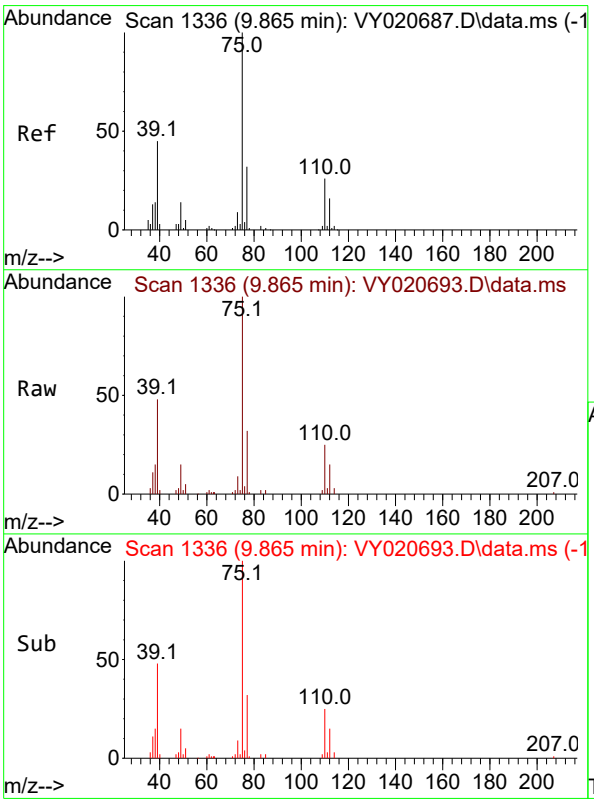
#53
t-1,3-Dichloropropene
Concen: 20.797 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 75 Resp: 23556

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.2

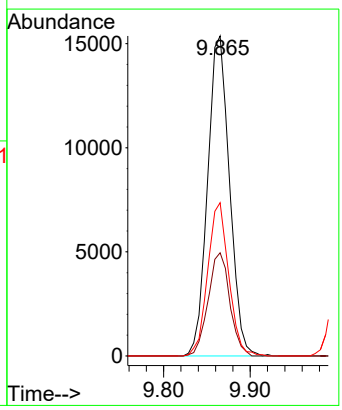


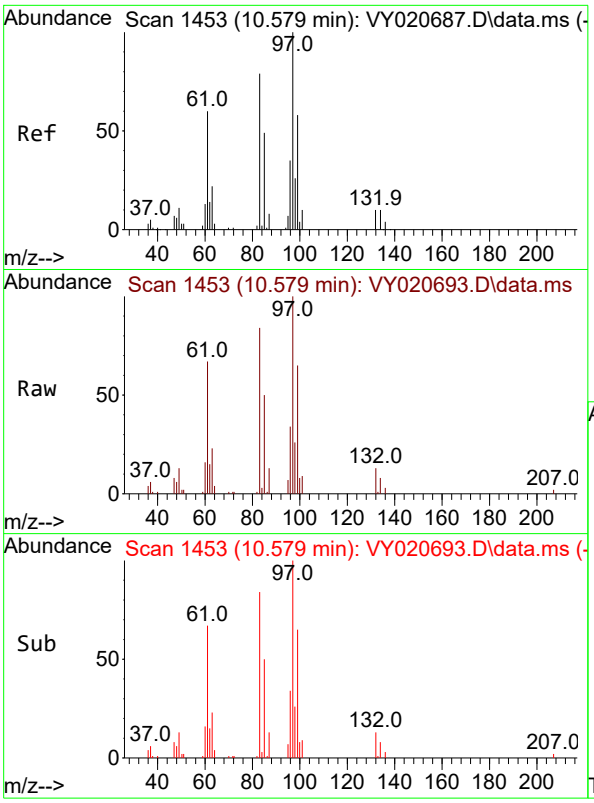


#54
cis-1,3-Dichloropropene
Concen: 21.634 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 27001

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	36.8
39	47.9	36.4	54.6



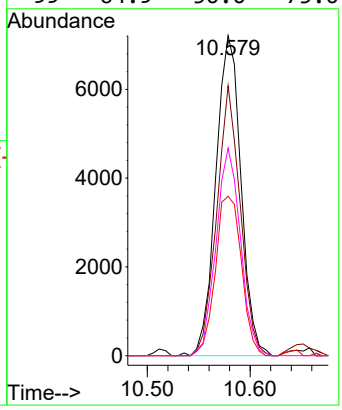


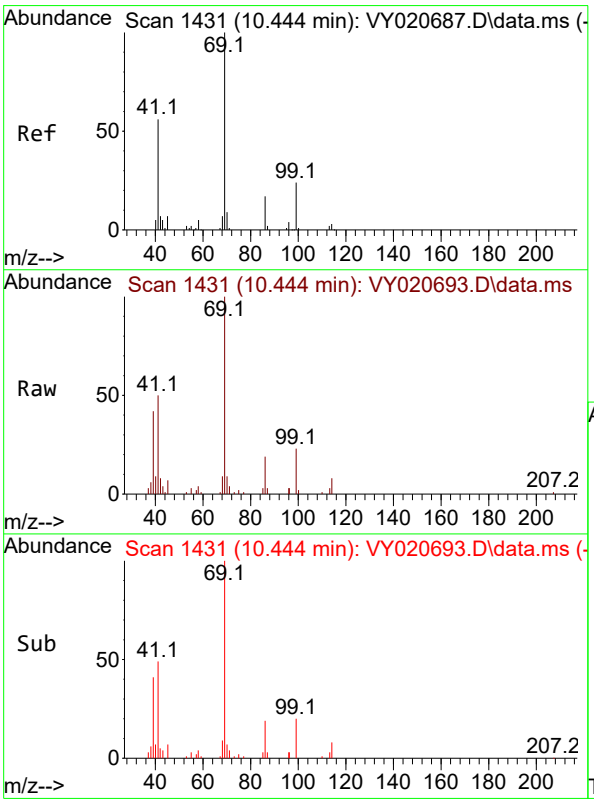
#55
1,1,2-Trichloroethane
Concen: 20.921 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 97 Resp: 12224

Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.4	105.6
85	49.8	47.2	70.8
99	64.9	50.0	75.0

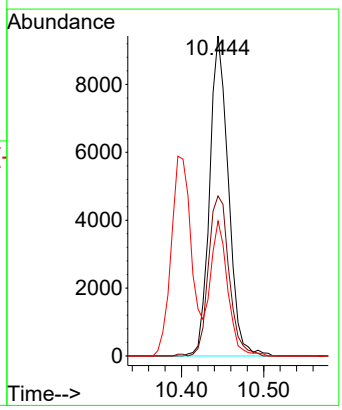


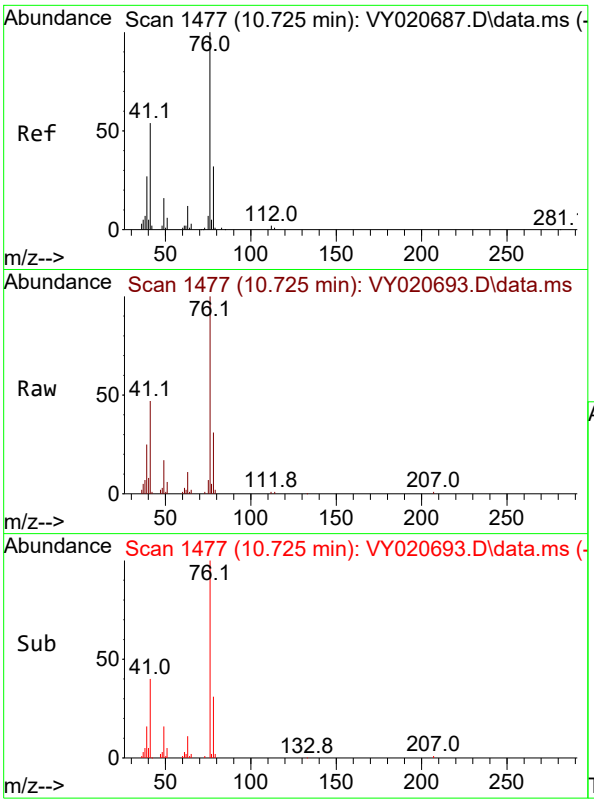


#56
Ethyl methacrylate
Concen: 19.978 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 69 Resp: 14890

Ion	Ratio	Lower	Upper
69	100		
41	55.4	54.0	81.0
39	38.5	27.9	41.9



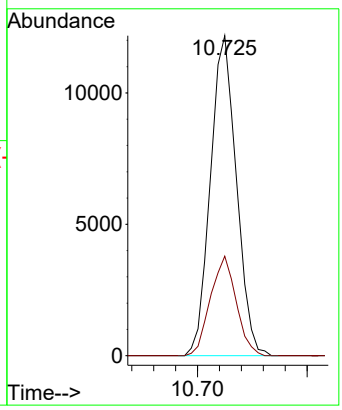


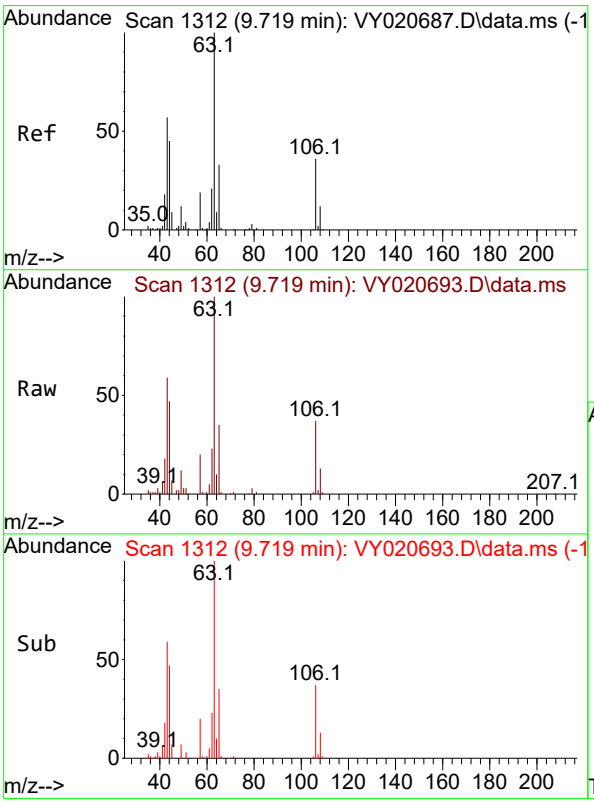
#57
1,3-Dichloropropane
Concen: 20.998 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 76 Resp: 20055

Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.8	38.8

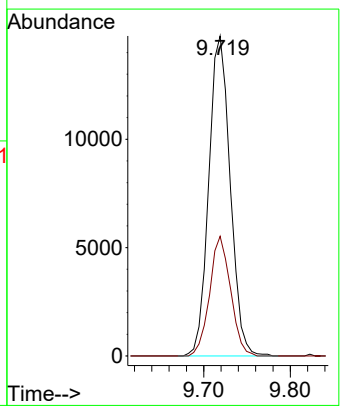


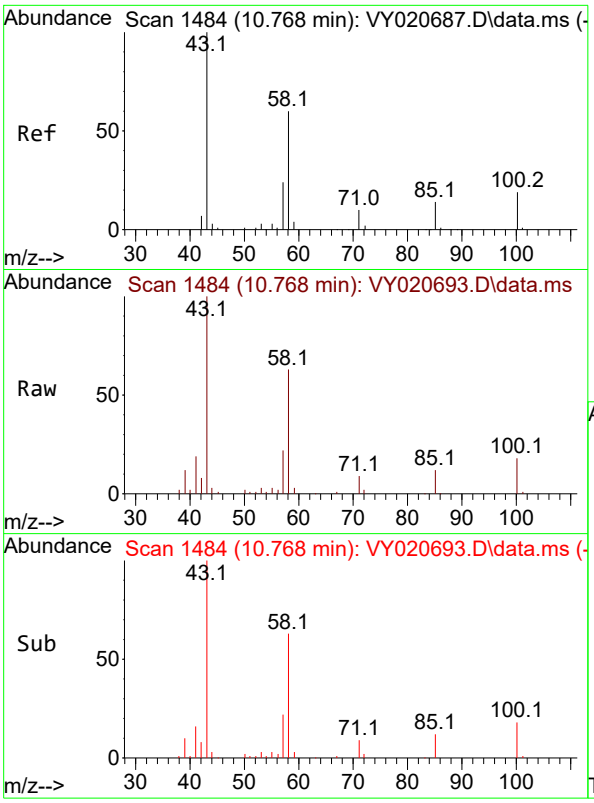


#58
2-Chloroethyl Vinyl ether
Concen: 91.075 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 63 Resp: 25366

Ion	Ratio	Lower	Upper
63	100		
106	36.6	21.5	32.3#



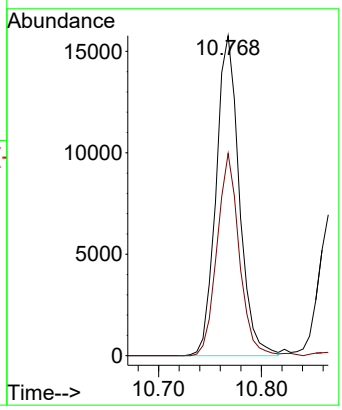


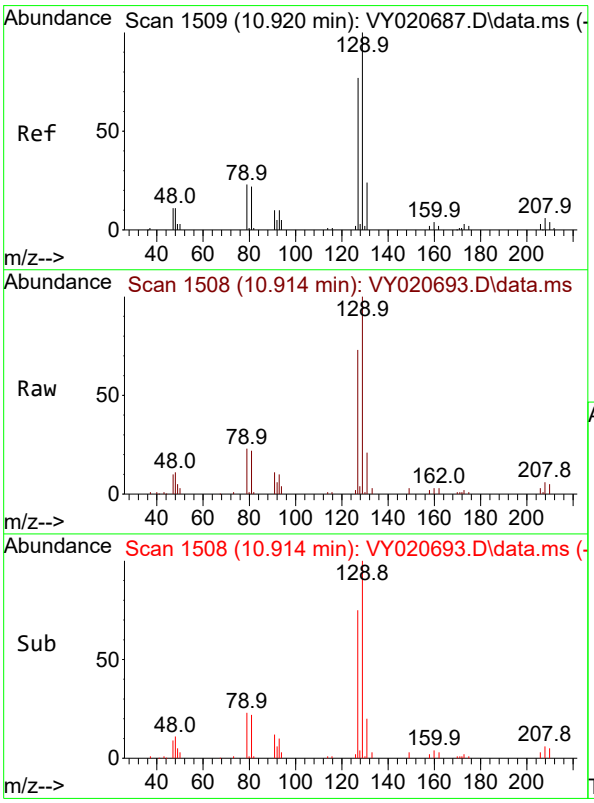
#59
2-Hexanone
Concen: 99.033 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 43 Resp: 24683

Ion	Ratio	Lower	Upper
43	100		
58	60.6	27.2	81.6

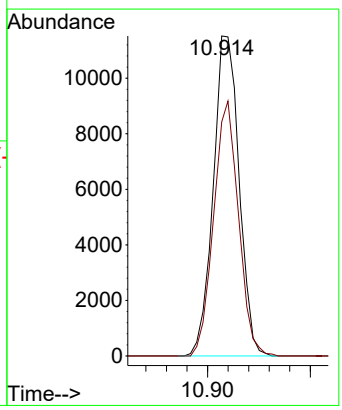


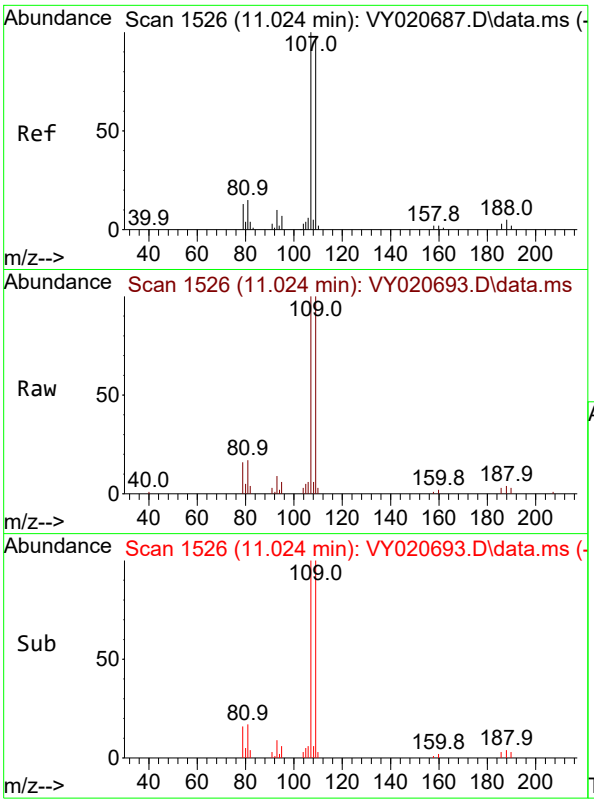


#60
Dibromochloromethane
Concen: 21.535 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:129 Resp: 20089

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3



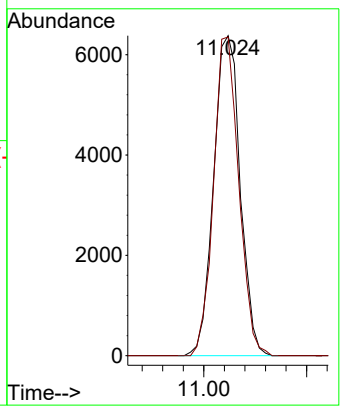


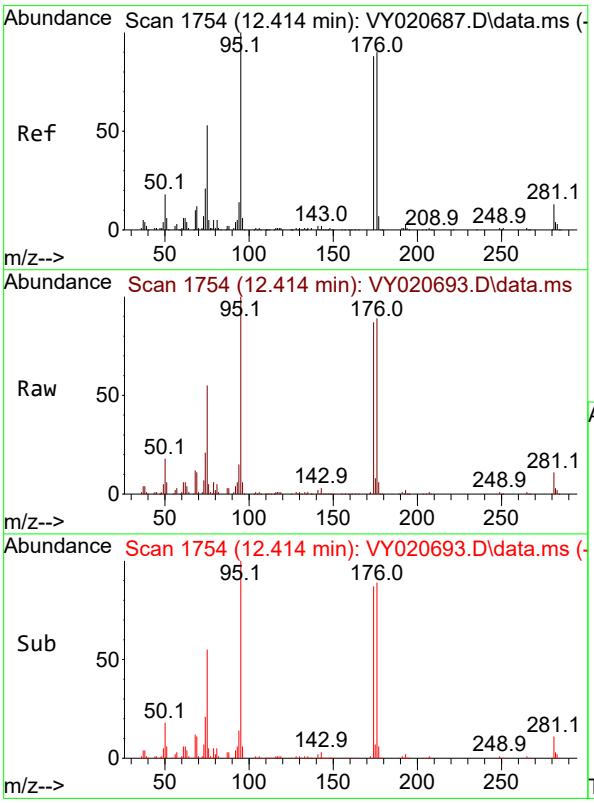
#61
1,2-Dibromoethane
Concen: 20.876 ug/l
RT: 11.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:107 Resp: 11435

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

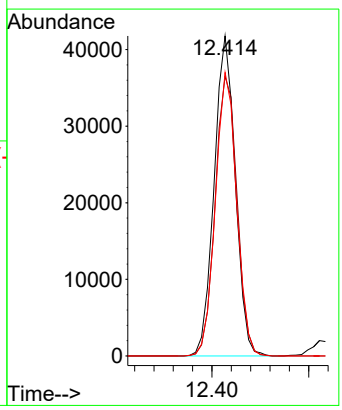


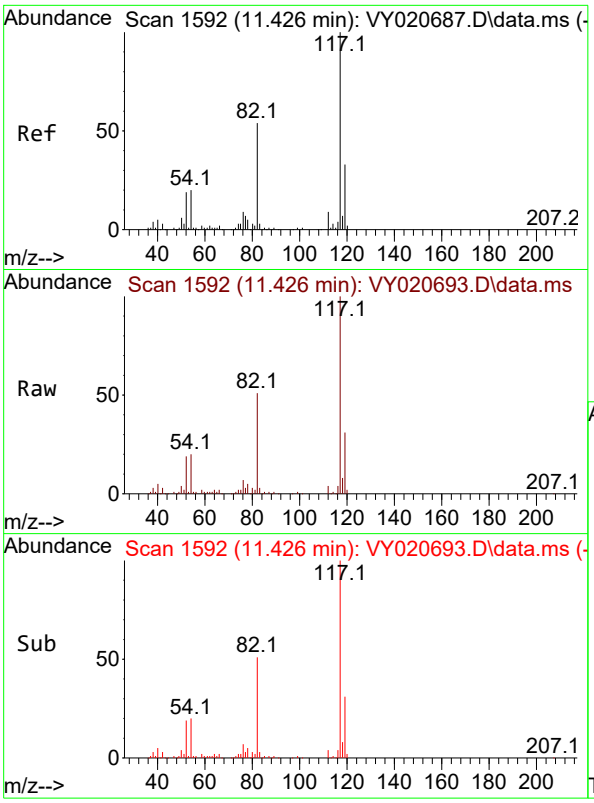


#62
4-Bromofluorobenzene
Concen: 50.391 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 95 Resp: 63200

Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	161.8
176	89.0	0.0	156.6



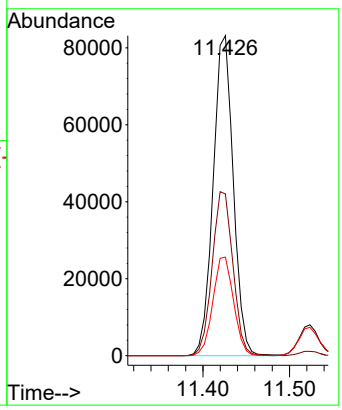


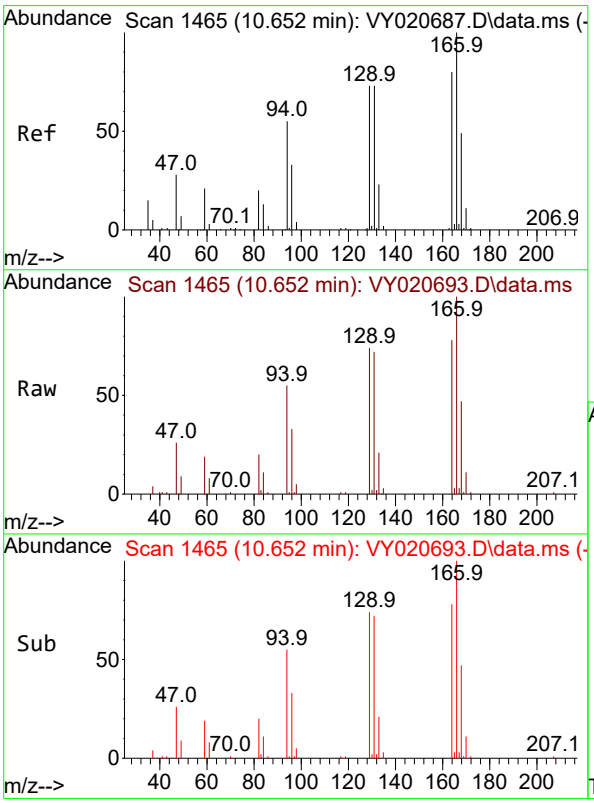
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:117 Resp: 134443

Ion	Ratio	Lower	Upper
117	100		
82	50.6	45.8	68.6
119	30.8	25.3	37.9

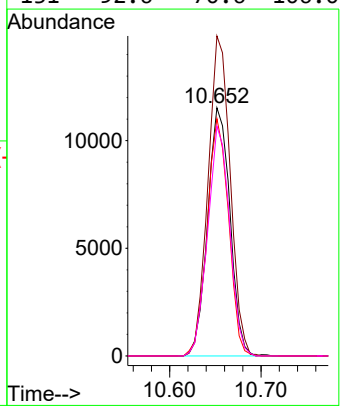


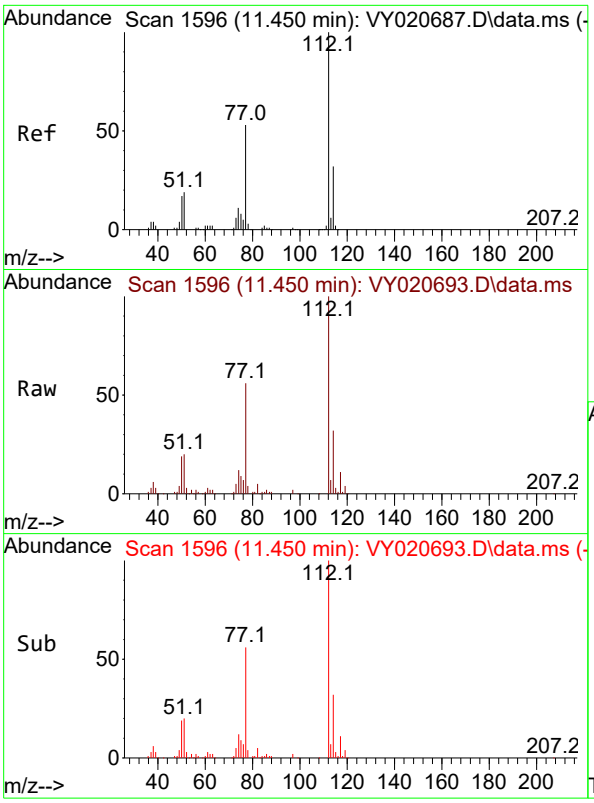


#64
Tetrachloroethene
Concen: 21.953 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:164 Resp: 19601

Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.9	146.9
129	95.6	73.4	110.0
131	92.6	70.6	106.0



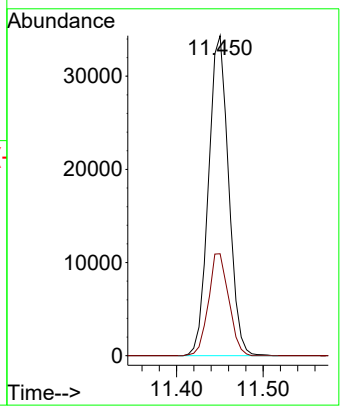


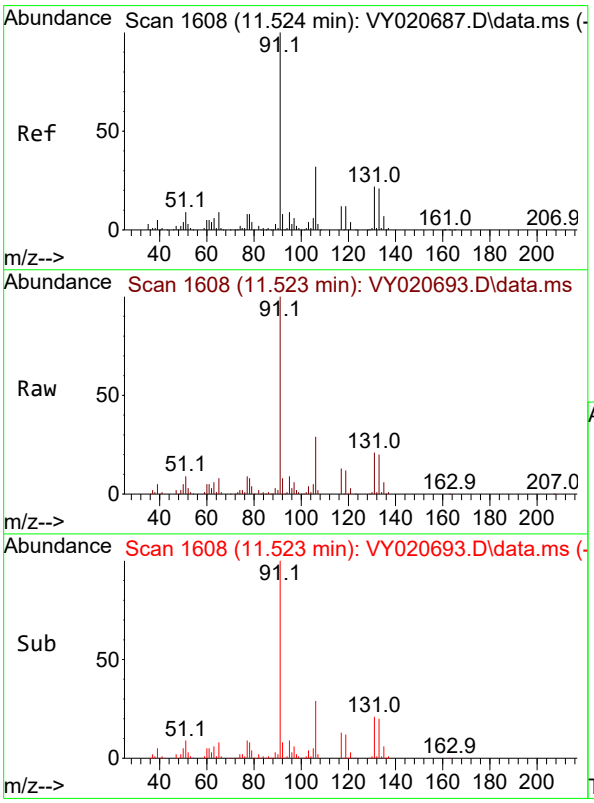
#65
Chlorobenzene
Concen: 22.012 ug/l
RT: 11.450 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:112 Resp: 55302

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

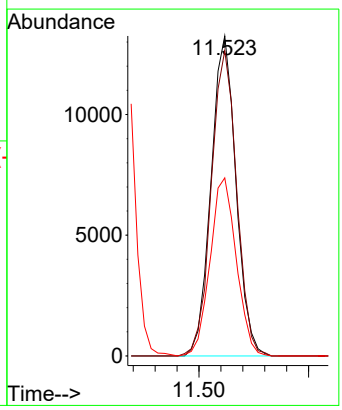


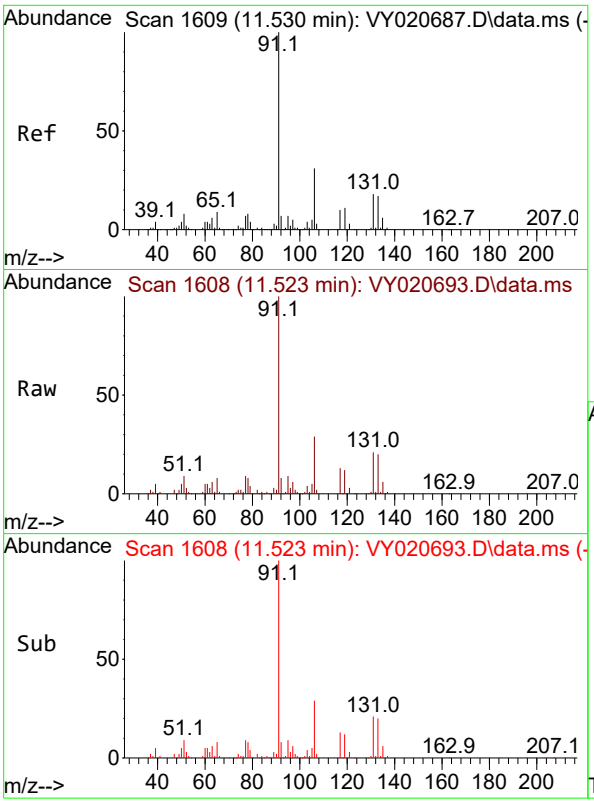


#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:131 Resp: 20919

Ion	Ratio	Lower	Upper
131	100		
133	97.3	46.8	140.3
119	58.5	31.8	95.3



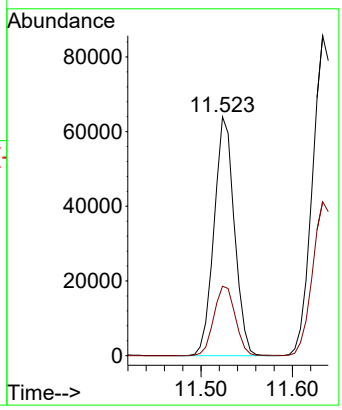


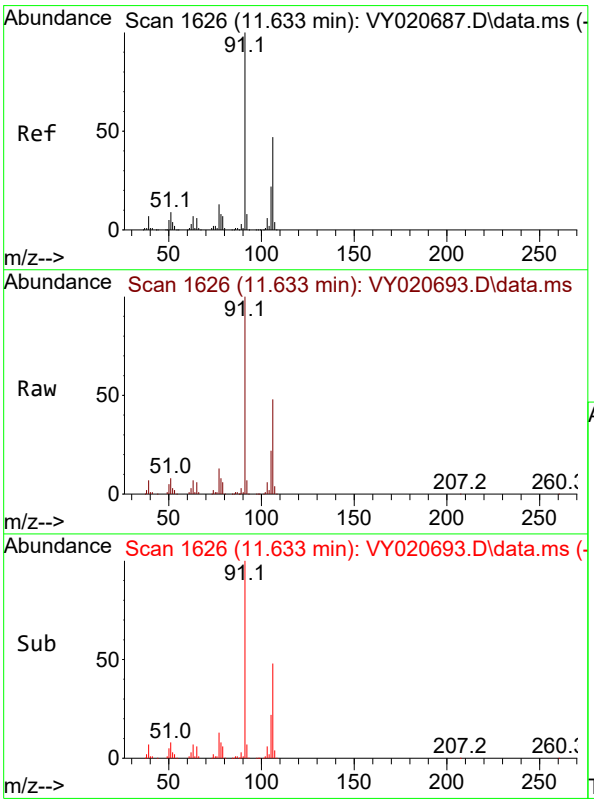
#67
Ethyl Benzene
Concen: 21.932 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 91 Resp: 98855

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9

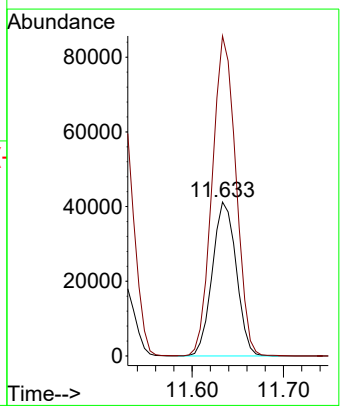


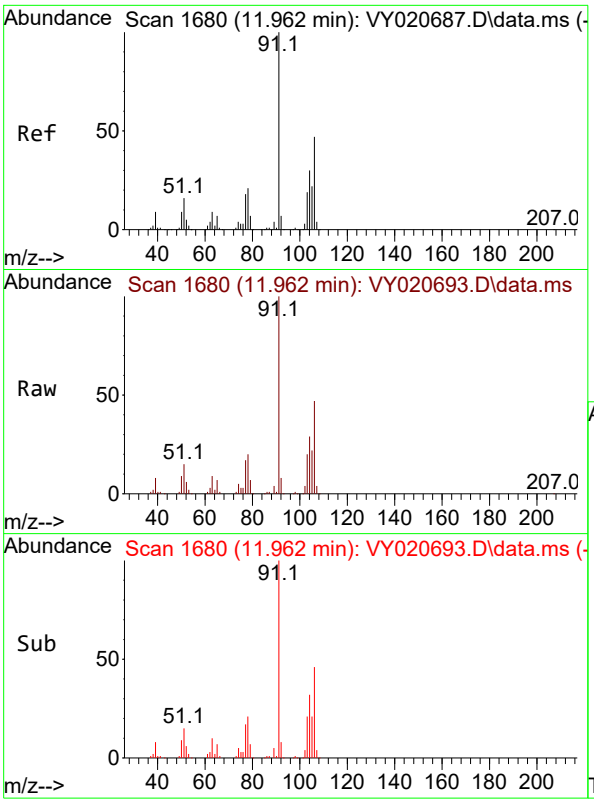


#68
m/p-Xylenes
Concen: 43.642 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:106 Resp: 75012

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.0	247.4



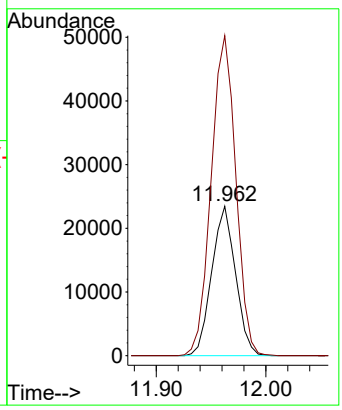


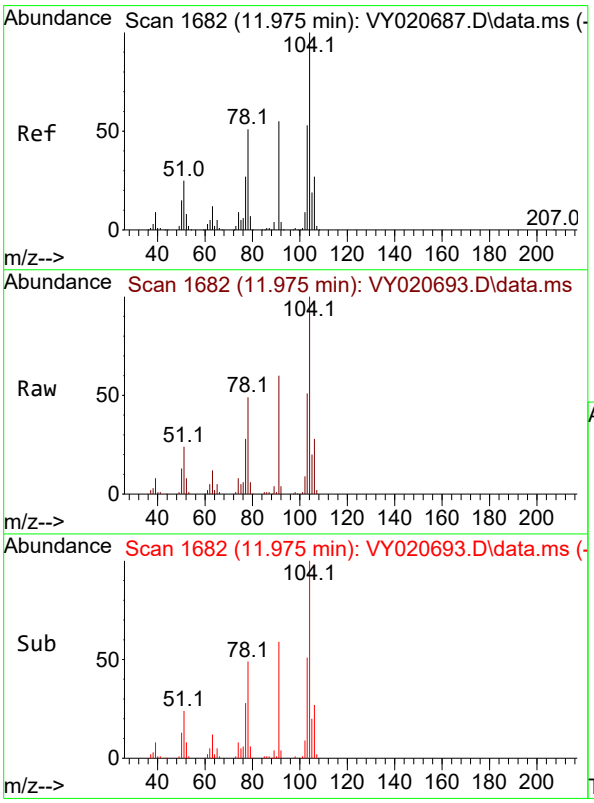
#69
o-Xylene
Concen: 21.930 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:106 Resp: 35407

Ion	Ratio	Lower	Upper
106	100		
91	221.7	108.4	325.2

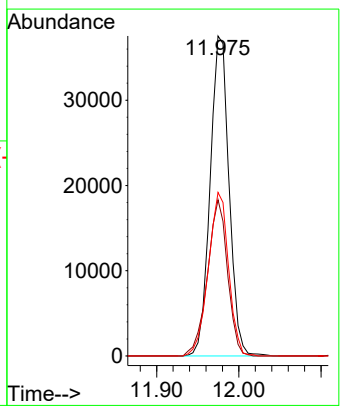


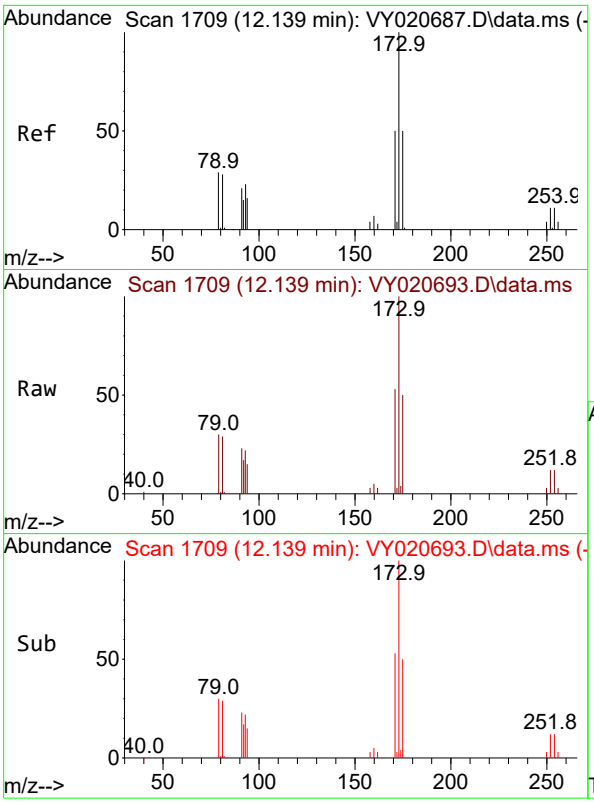


#70
Styrene
Concen: 22.103 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:104 Resp: 60026

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	54.5	43.7	65.5



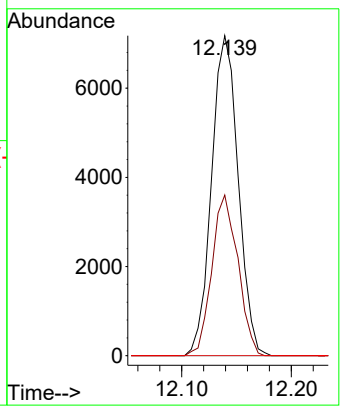


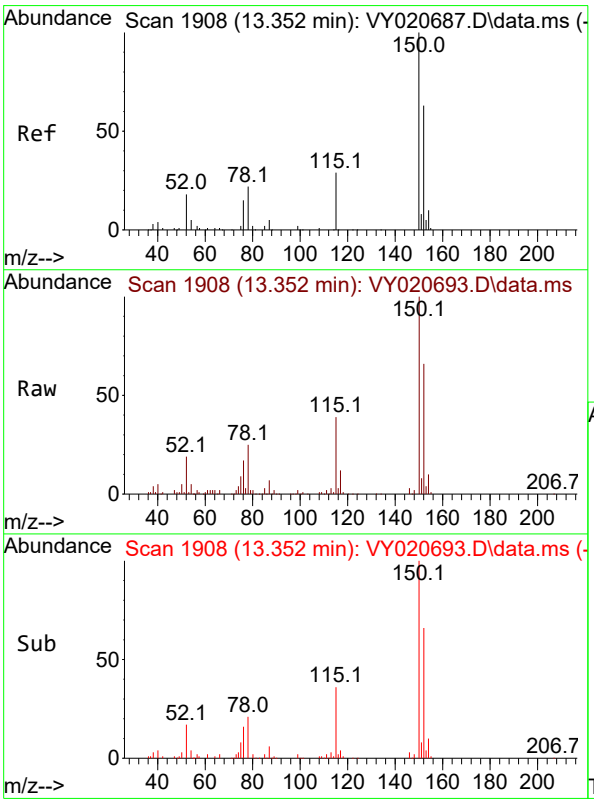
#71
Bromoform
Concen: 21.586 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:173 Resp: 12130

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.0	0.0	0.0

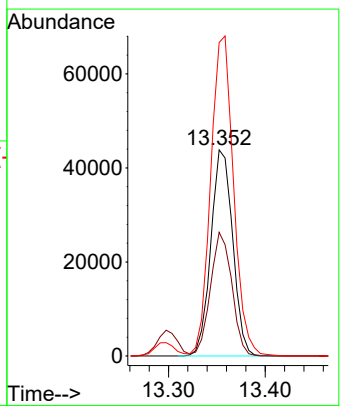


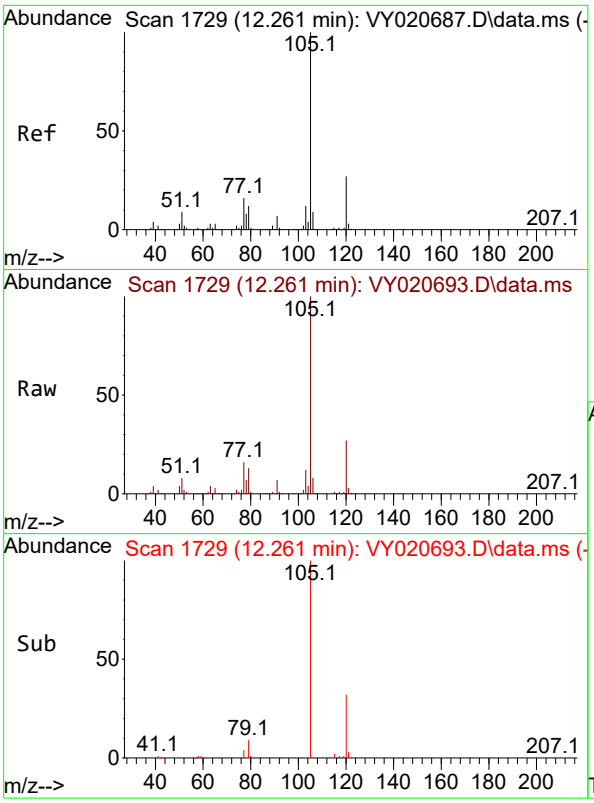


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:152 Resp: 68792

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.2	90.6
150	162.3	0.0	355.4



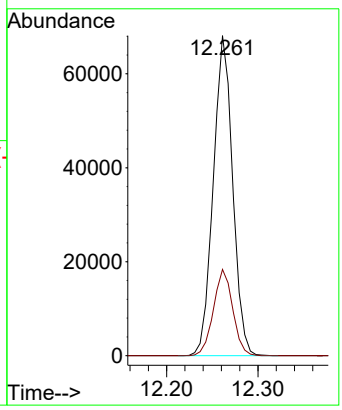


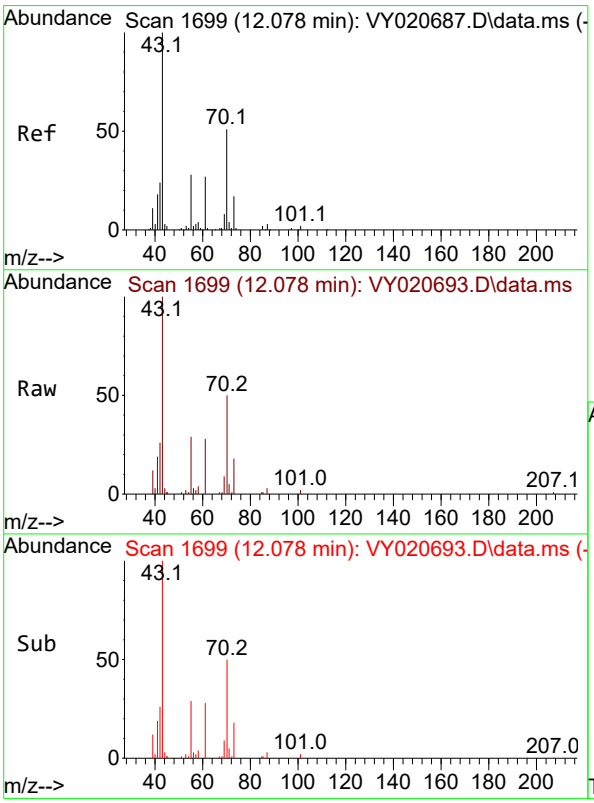
#73
Isopropylbenzene
Concen: 21.408 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:105 Resp: 100172

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.1	39.1

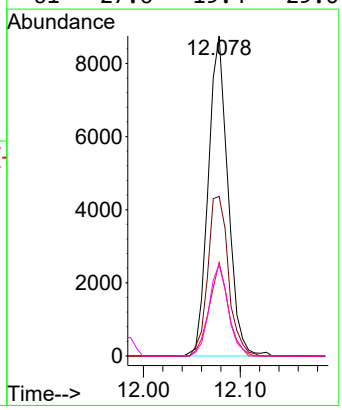


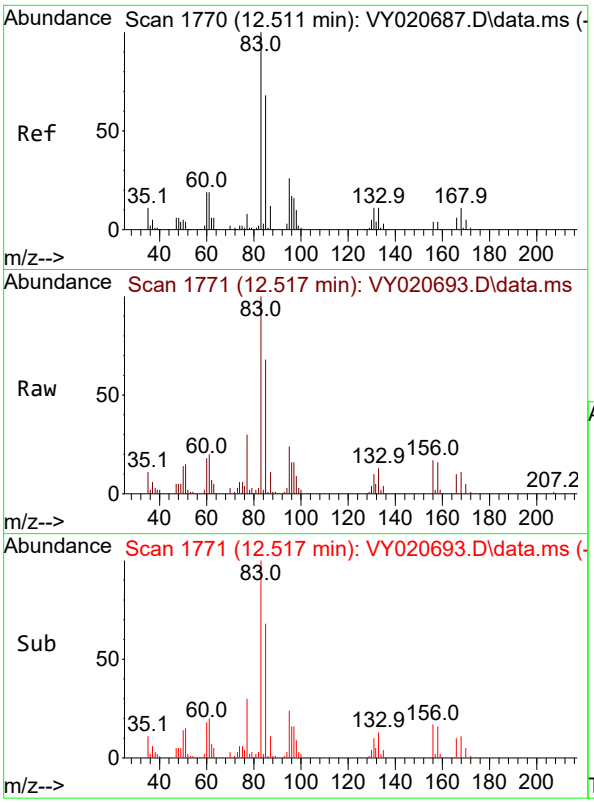


#74
N-amyl acetate
Concen: 18.771 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 43 Resp: 12342

Ion	Ratio	Lower	Upper
43	100		
70	52.6	34.2	51.2#
55	28.2	19.6	29.4
61	27.6	19.4	29.0



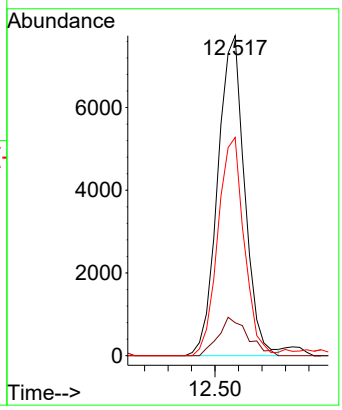


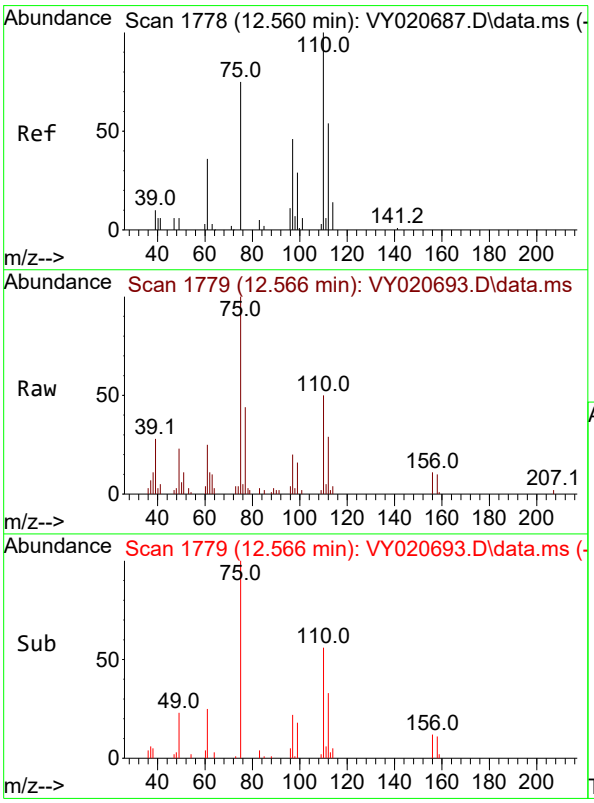
#75
1,1,2,2-Tetrachloroethane
Concen: 20.425 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 83 Resp: 12299

Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.2	15.6
85	66.8	32.5	97.4

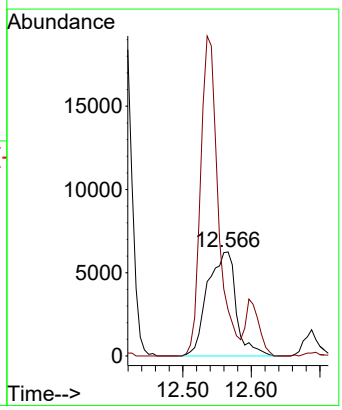


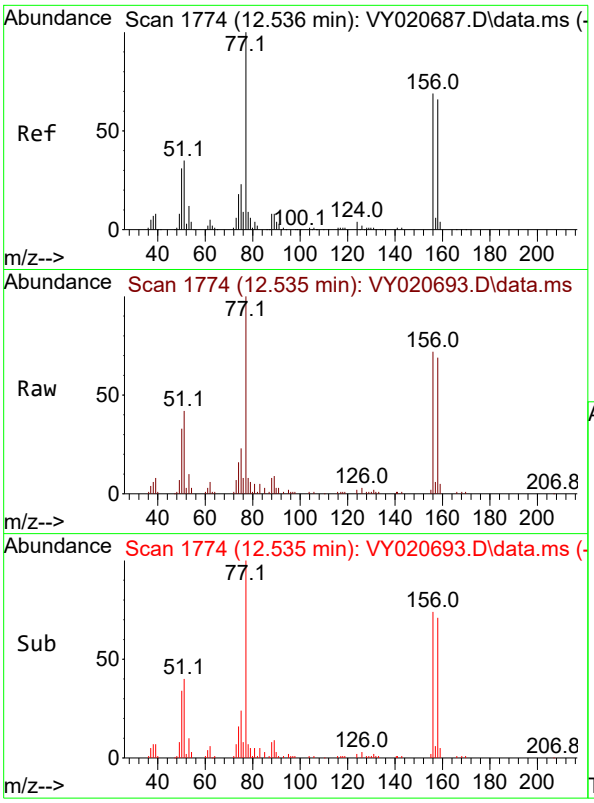


#76
1,2,3-Trichloropropane
Concen: 38.205 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 18125

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



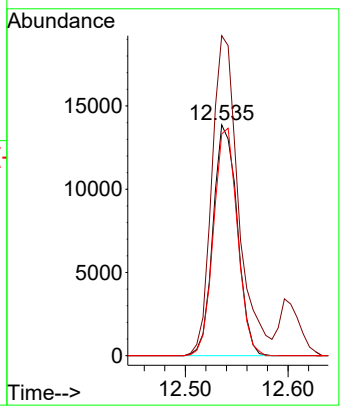


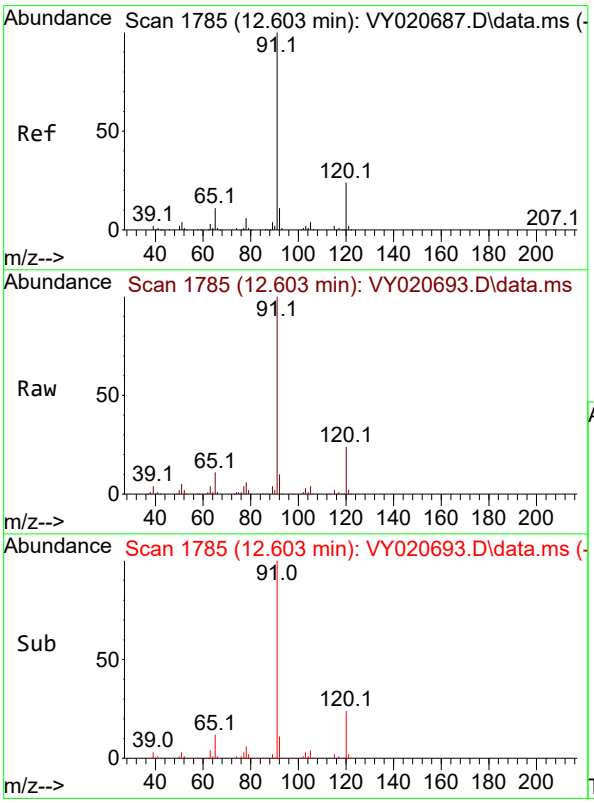
#77
Bromobenzene
Concen: 21.268 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:156 Resp: 22661

Ion	Ratio	Lower	Upper
156	100		
77	152.7	94.2	282.4
158	97.2	48.9	146.6

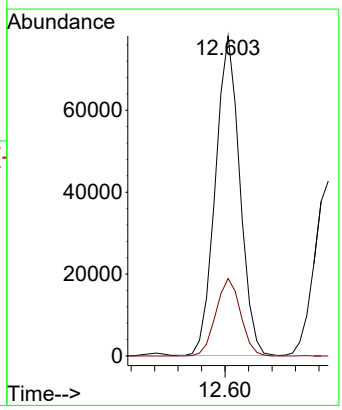


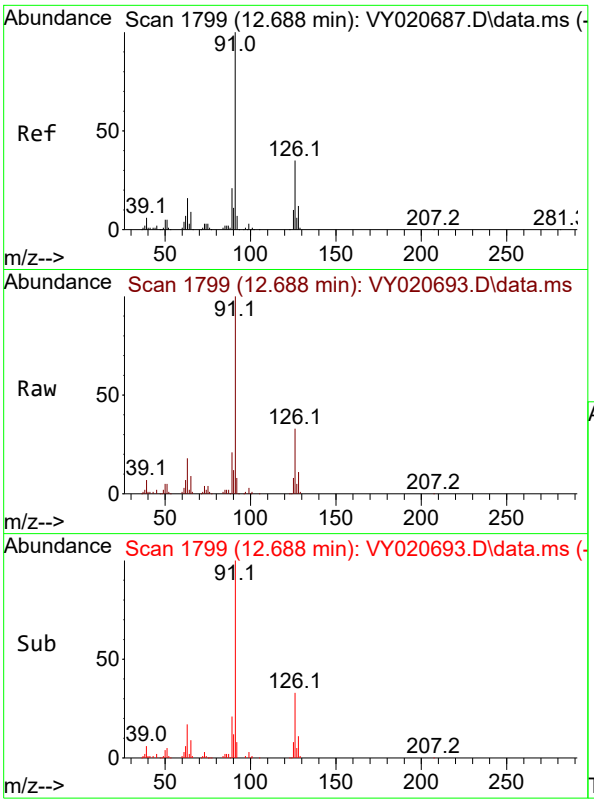


#78
n-propylbenzene
Concen: 21.346 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 112609

Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.1	33.1



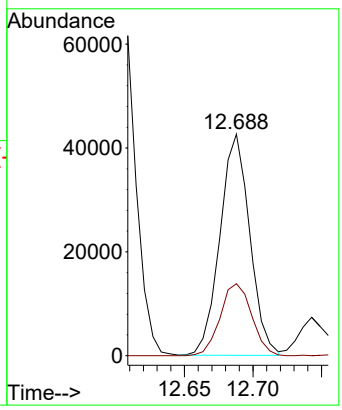


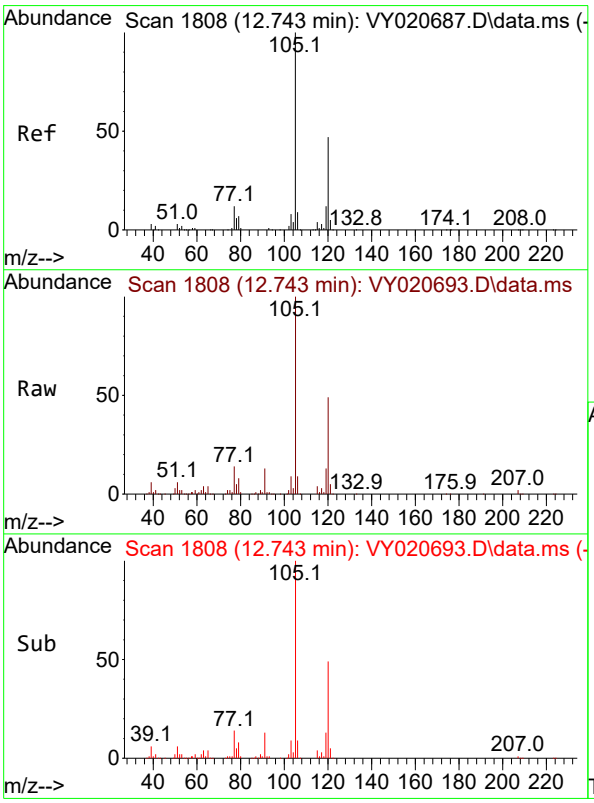
#79
2-Chlorotoluene
Concen: 21.492 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 91 Resp: 64543

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.6	49.7

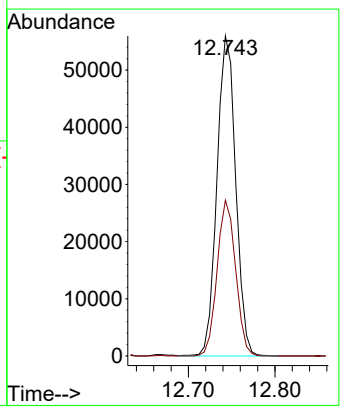


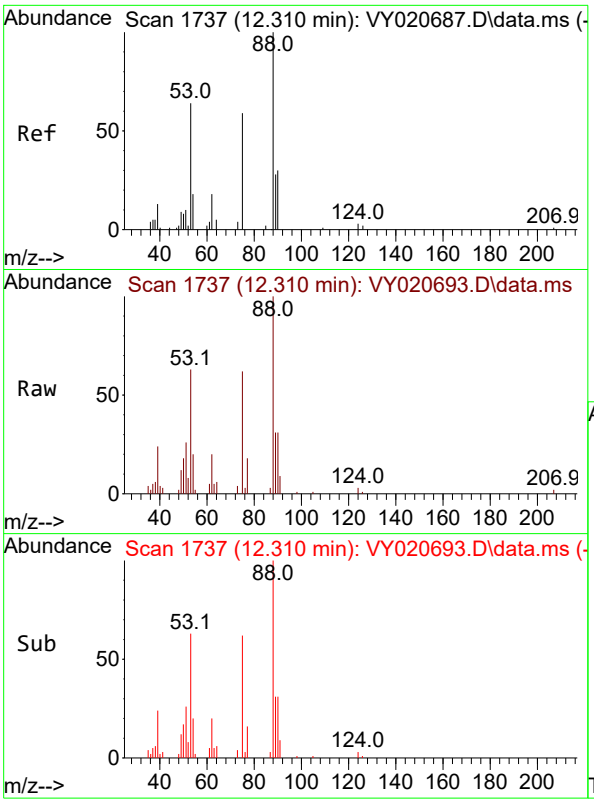


#80
1,3,5-Trimethylbenzene
Concen: 21.685 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:105 Resp: 84160

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



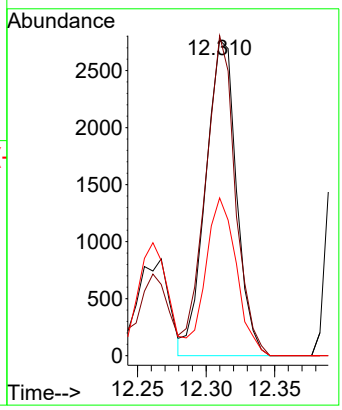


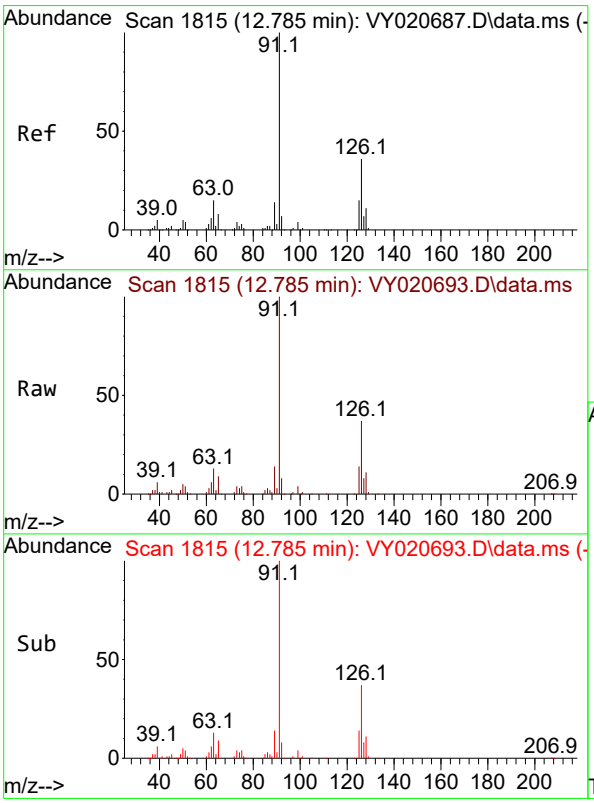
#81
trans-1,4-Dichloro-2-butene
Concen: 19.781 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 75 Resp: 4317

Ion	Ratio	Lower	Upper
75	100		
53	99.1	75.4	113.2
89	49.6	37.0	55.4

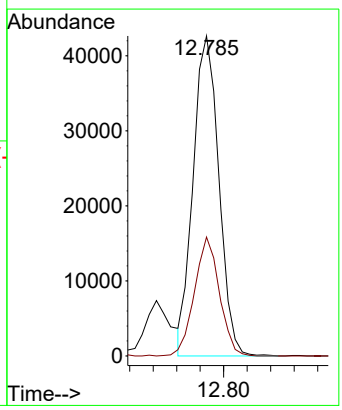


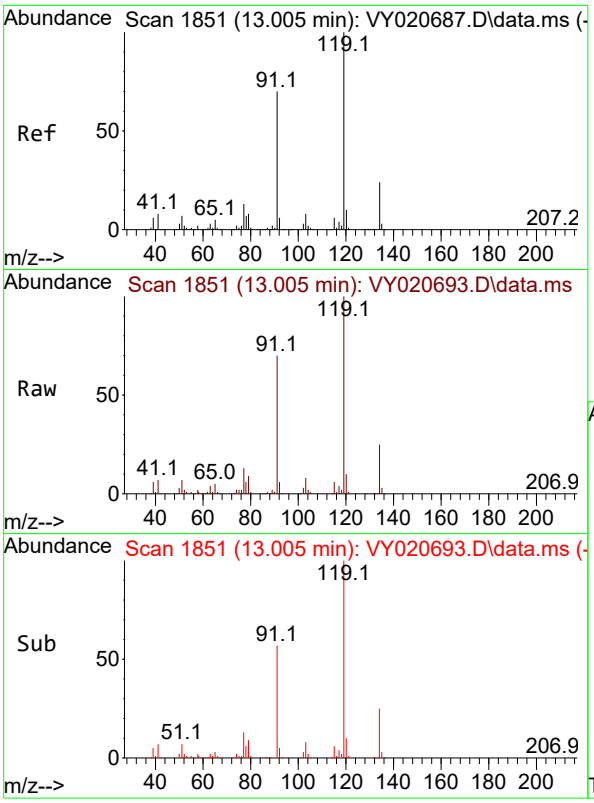


#82
4-Chlorotoluene
Concen: 21.153 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 91 Resp: 64790

Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.6	49.7



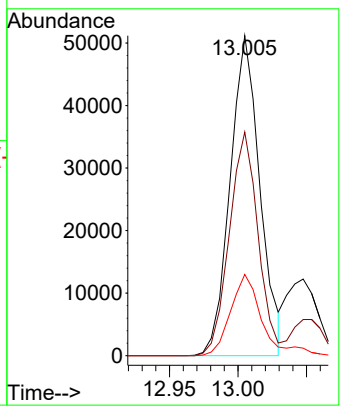


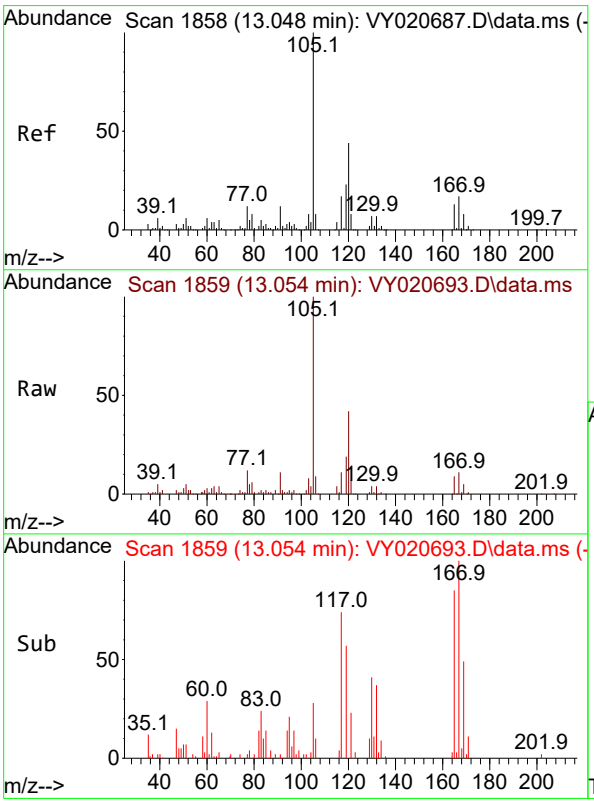
#83
tert-Butylbenzene
Concen: 21.428 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:119 Resp: 77381

Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.9	98.6
134	26.8	13.1	39.1

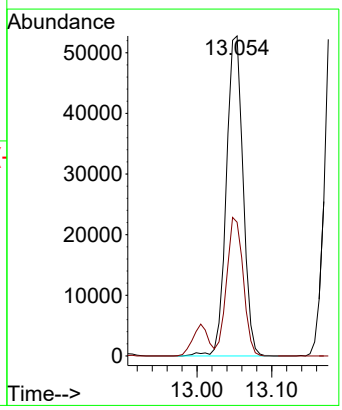


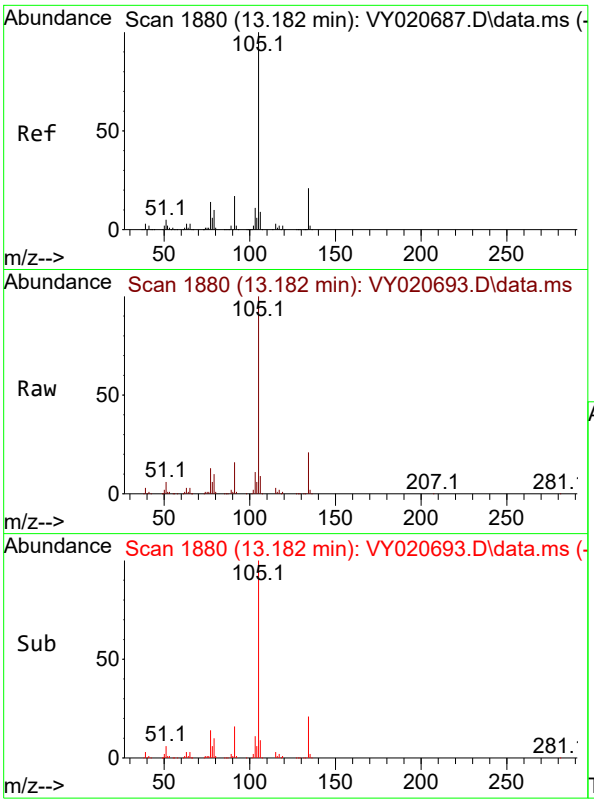


#84
1,2,4-Trimethylbenzene
Concen: 21.631 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:105 Resp: 82010

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.8	65.4



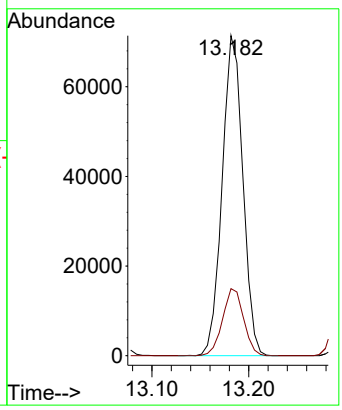


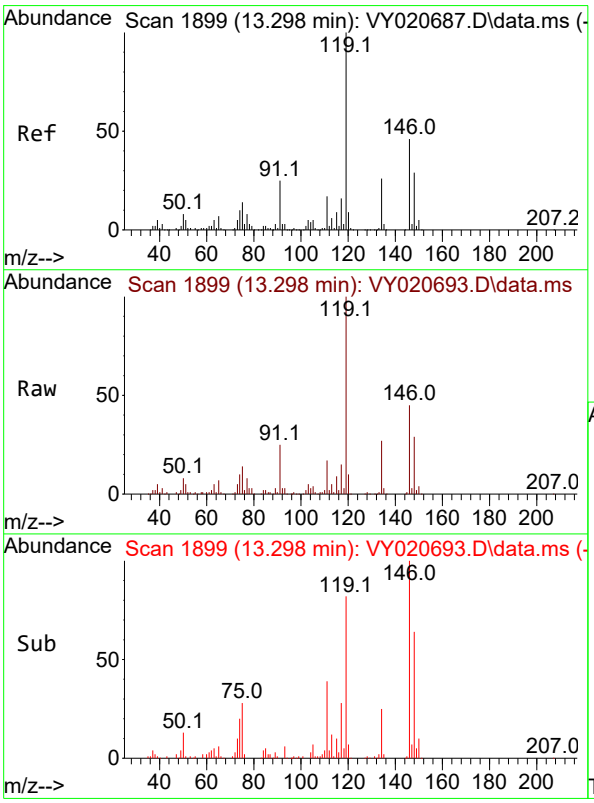
#85
sec-Butylbenzene
Concen: 21.767 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:105 Resp: 105840

Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.0	30.0

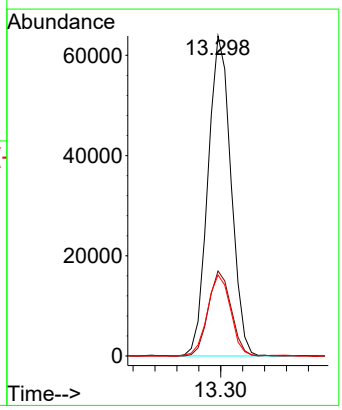


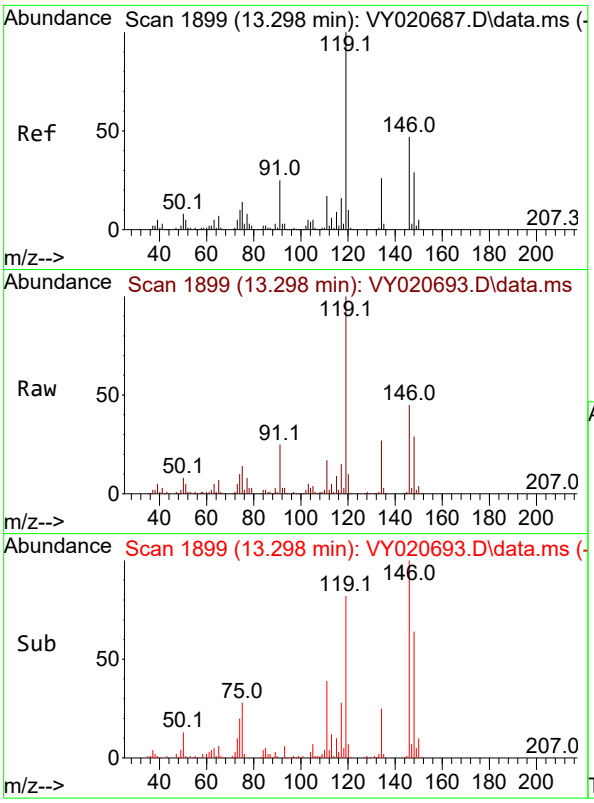


#86
p-Isopropyltoluene
Concen: 21.976 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:119 Resp: 93419

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	25.4	12.1	36.3



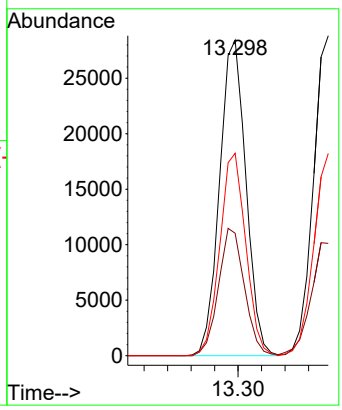


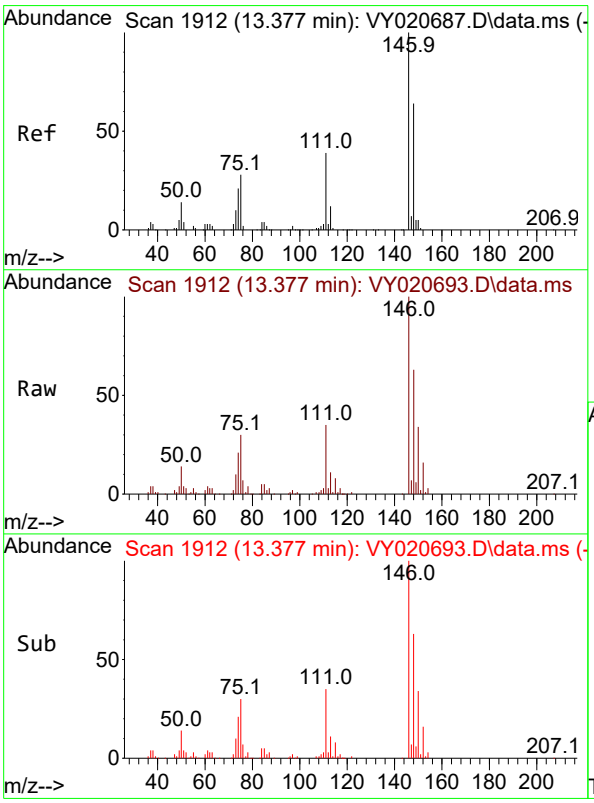
#87
1,3-Dichlorobenzene
Concen: 21.414 ug/l
RT: 13.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:146 Resp: 44326

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	63.2	31.4	94.0

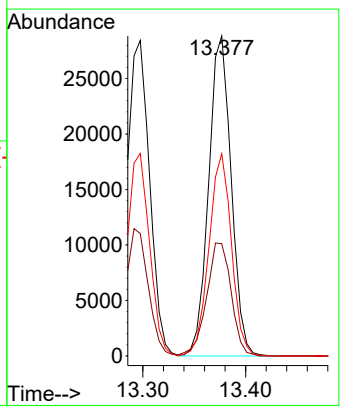


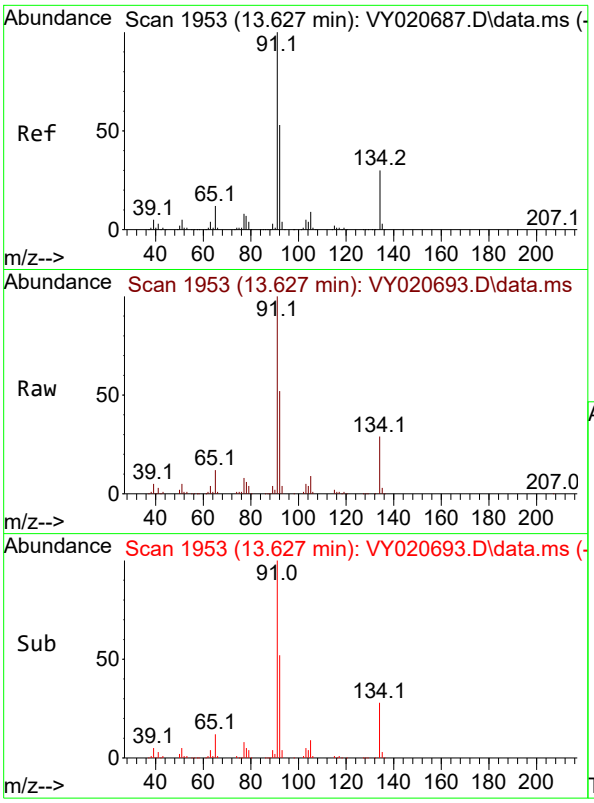


#88
1,4-Dichlorobenzene
Concen: 21.635 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:146 Resp: 43876

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	63.1	31.9	95.5



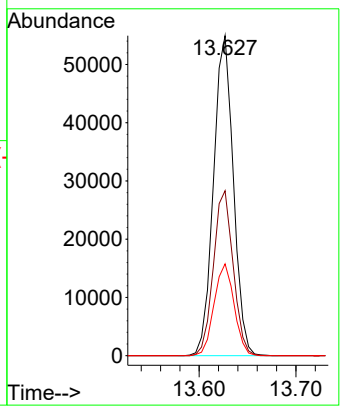


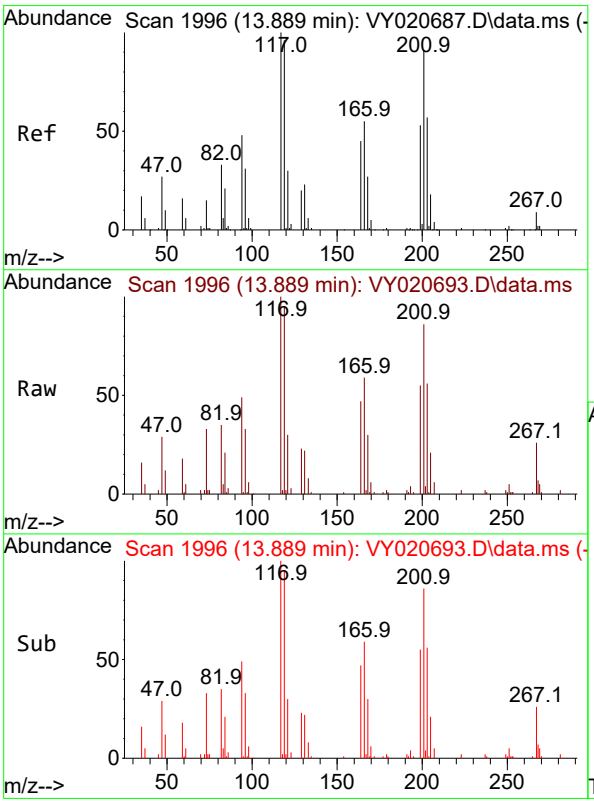
#89
n-Butylbenzene
Concen: 21.859 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion: 91 Resp: 78283

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.8	80.4
134	28.9	12.5	37.5

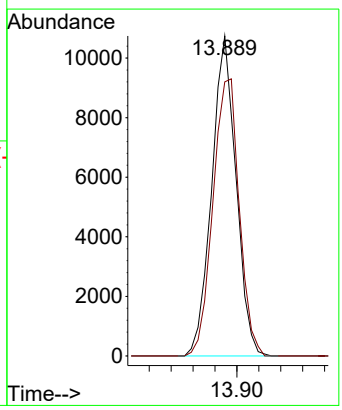


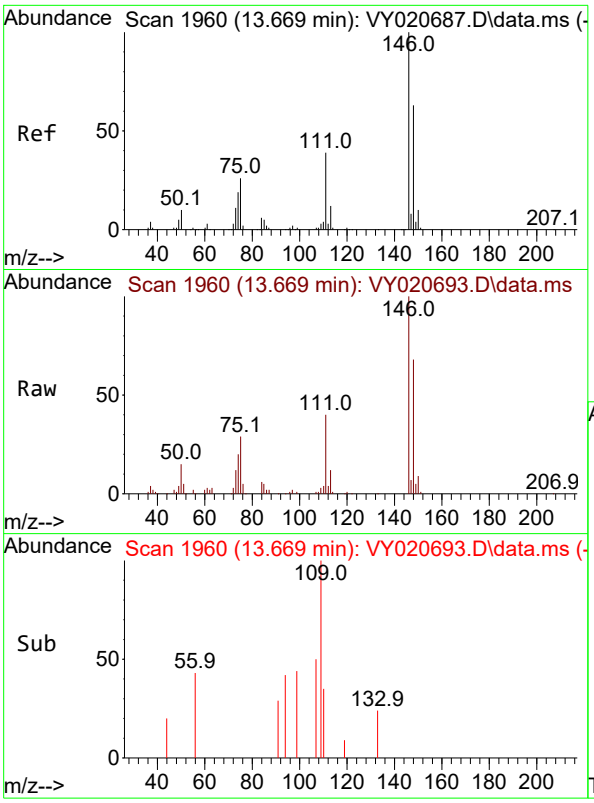


#90
Hexachloroethane
Concen: 20.547 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:117 Resp: 16570

Ion	Ratio	Lower	Upper
117	100		
201	93.4	39.1	117.3



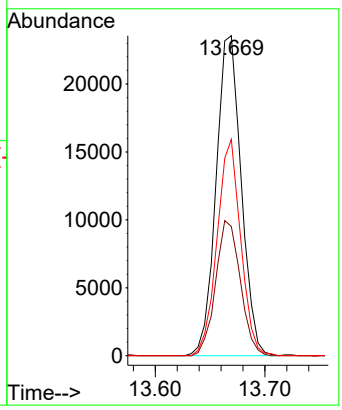


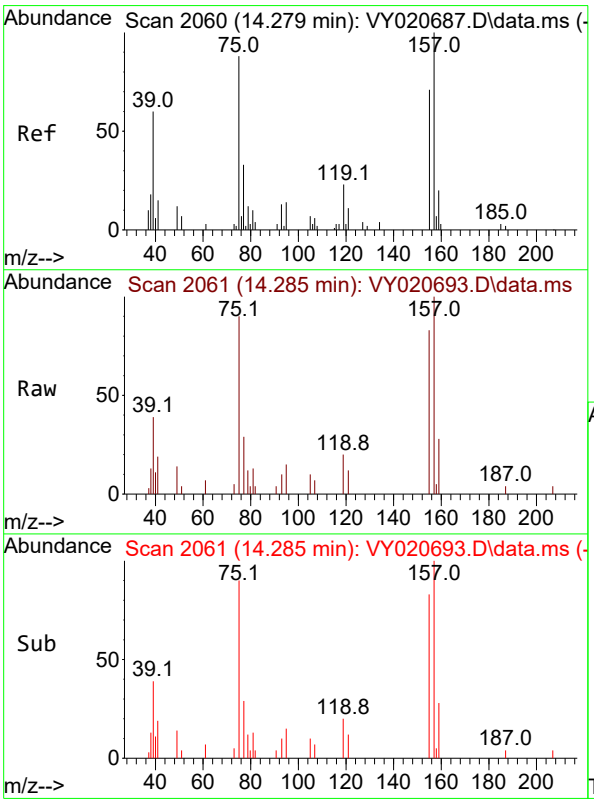
#91
1,2-Dichlorobenzene
Concen: 21.121 ug/l
RT: 13.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:146 Resp: 37520

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	63.6	32.0	96.0

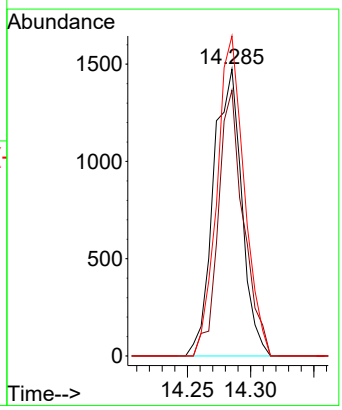


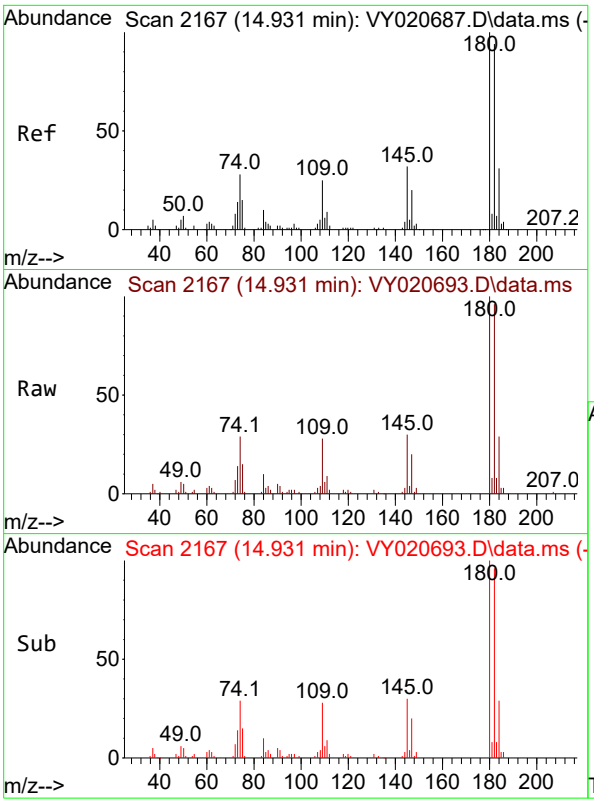


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.915 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion: 75 Resp: 2285

Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.1	123.3
157	107.7	52.9	158.8



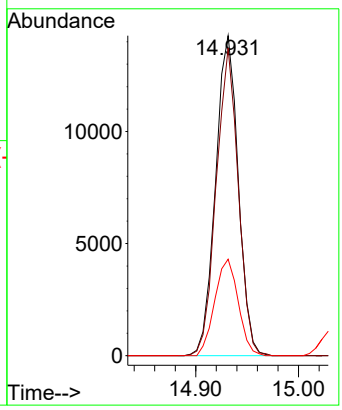


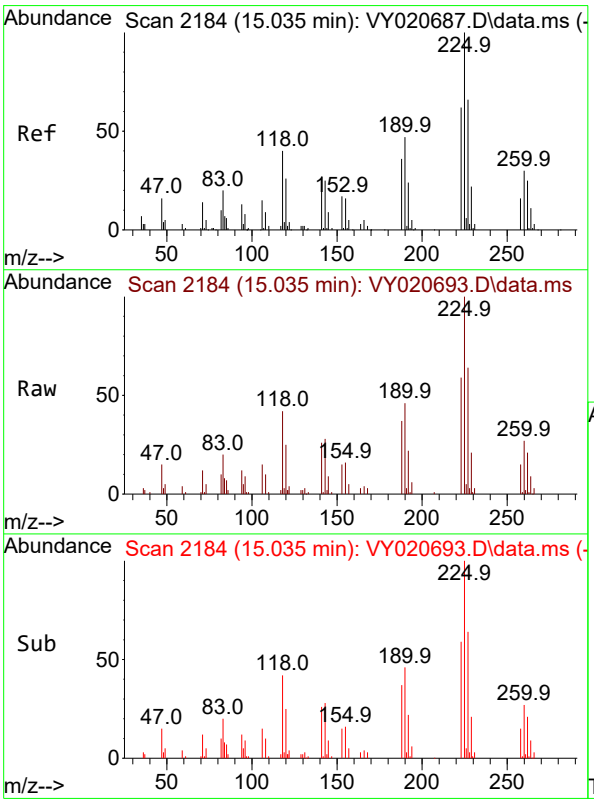
#93
1,2,4-Trichlorobenzene
Concen: 20.729 ug/l
RT: 14.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:180 Resp: 21862

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.9	143.6
145	31.2	15.6	46.7

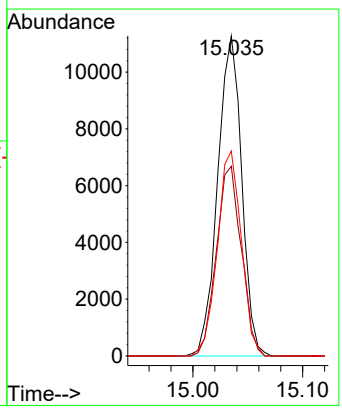


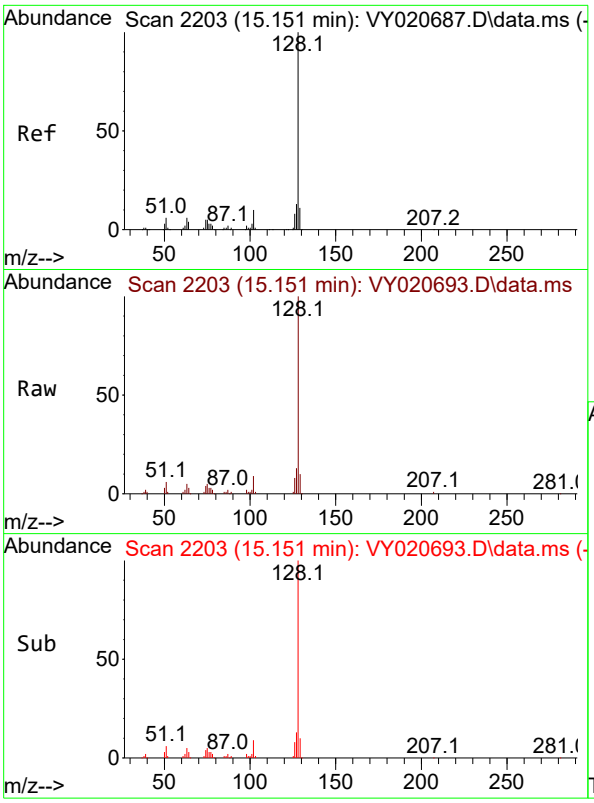


#94
Hexachlorobutadiene
Concen: 21.873 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:225 Resp: 17176

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.8	95.3
227	63.9	32.2	96.6



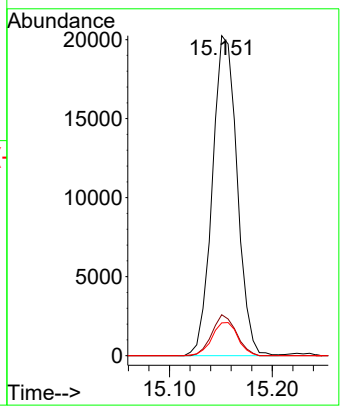


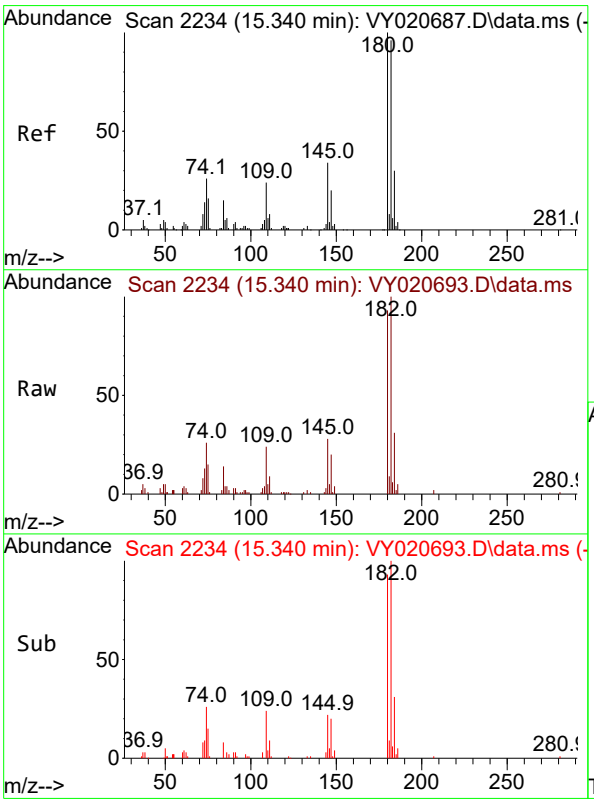
#95
Naphthalene
Concen: 19.644 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tgt Ion:128 Resp: 33900

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	10.8	8.5	12.7

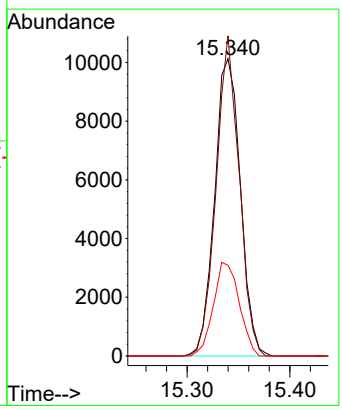




#96
1,2,3-Trichlorobenzene
Concen: 19.997 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020693.D
Acq: 23 Dec 2024 15:51

Tgt Ion:180 Resp: 17632

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	31.6	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	104834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	154339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	131930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52754	56.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.640%			
35) Dibromofluoromethane	7.646	113	48159	53.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.280%			
50) Toluene-d8	10.109	98	184098	55.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.860%			
62) 4-Bromofluorobenzene	12.414	95	63417	52.934	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	16152	19.999	ug/l	99
3) Chloromethane	2.074	50	6233	18.943	ug/l	100
4) Vinyl Chloride	2.214	62	7104	17.709	ug/l	93
5) Bromomethane	2.605	94	5714	20.171	ug/l	95
6) Chloroethane	2.745	64	4299	17.632	ug/l	96
7) Trichlorofluoromethane	3.068	101	28952	20.069	ug/l	100
8) Diethyl Ether	3.464	74	7345	21.271	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	15648	19.863	ug/l	98
10) Methyl Iodide	4.013	142	17395	19.168	ug/l	100
11) Tert butyl alcohol	4.879	59	6977	93.870	ug/l #	93
12) 1,1-Dichloroethene	3.799	96	14011	20.040	ug/l	98
13) Acrolein	3.671	56	2497	141.348	ug/l	97
14) Allyl chloride	4.397	41	16858	20.562	ug/l	100
15) Acrylonitrile	5.074	53	13947	109.579	ug/l	98
16) Acetone	3.873	43	10717	101.056	ug/l	98
17) Carbon Disulfide	4.116	76	33010	18.937	ug/l #	93
18) Methyl Acetate	4.409	43	6183	22.535	ug/l	99
19) Methyl tert-butyl Ether	5.135	73	42423	22.307	ug/l	98
20) Methylene Chloride	4.635	84	15288	21.633	ug/l	86
21) trans-1,2-Dichloroethene	5.128	96	15798	20.956	ug/l	92
22) Diisopropyl ether	6.025	45	37677	22.479	ug/l #	96
23) Vinyl Acetate	5.970	43	107461	108.272	ug/l	99
24) 1,1-Dichloroethane	5.933	63	27342	21.882	ug/l #	95
25) 2-Butanone	6.903	43	15672	105.199	ug/l	91
26) 2,2-Dichloropropane	6.896	77	31303	20.024	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	19772	22.020	ug/l	98
28) Bromochloromethane	7.256	49	6466	19.677	ug/l	99
29) Tetrahydrofuran	7.274	42	9534	108.884	ug/l	98
30) Chloroform	7.427	83	34856	21.222	ug/l	97
31) Cyclohexane	7.713	56	21545	19.666	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	36239	21.120	ug/l	97
36) 1,1-Dichloropropene	7.841	75	22098	20.061	ug/l	97
37) Ethyl Acetate	6.994	43	7719	20.609	ug/l	97
38) Carbon Tetrachloride	7.829	117	35214	19.755	ug/l	95
39) Methylcyclohexane	9.116	83	27500	19.641	ug/l	99
40) Benzene	8.085	78	65063	20.474	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	4454	21.838	ug/l		94
42) 1,2-Dichloroethane	8.165	62	21724	21.495	ug/l		99
43) Isopropyl Acetate	8.207	43	15842	21.172	ug/l	#	83
44) Trichloroethene	8.872	130	18586	19.707	ug/l		99
45) 1,2-Dichloropropane	9.146	63	13056	20.911	ug/l		98
46) Dibromomethane	9.238	93	9334	21.655	ug/l		97
47) Bromodichloromethane	9.427	83	26059	21.312	ug/l		94
48) Methyl methacrylate	9.225	41	7217	20.347	ug/l		96
49) 1,4-Dioxane	9.238	88	1762	435.830	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.006	43	38706	103.556	ug/l		98
52) Toluene	10.176	92	44815	20.709	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	23137	21.385	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	25177	21.119	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	11682	20.931	ug/l	#	90
56) Ethyl methacrylate	10.445	69	15165	21.301	ug/l		97
57) 1,3-Dichloropropane	10.725	76	19061	20.893	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.719	63	27253	102.437	ug/l		98
59) 2-Hexanone	10.768	43	24776	104.066	ug/l		99
60) Dibromochloromethane	10.914	129	19154	21.495	ug/l		96
61) 1,2-Dibromoethane	11.018	107	11054	21.127	ug/l		100
64) Tetrachloroethene	10.652	164	17595	20.081	ug/l		94
65) Chlorobenzene	11.451	112	52606	21.338	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	20004	20.778	ug/l		97
67) Ethyl Benzene	11.524	91	91241	20.628	ug/l		95
68) m/p-Xylenes	11.633	106	69958	41.477	ug/l		100
69) o-Xylene	11.957	106	34079	21.509	ug/l		98
70) Styrene	11.975	104	56763	21.300	ug/l		99
71) Bromoform	12.139	173	11461	20.784	ug/l	#	98
73) Isopropylbenzene	12.261	105	93189	19.757	ug/l		100
74) N-amyl acetate	12.078	43	13493	20.358	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	12470	20.545	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	18668	39.036	ug/l	#	100
77) Bromobenzene	12.536	156	21199	19.737	ug/l		99
78) n-propylbenzene	12.603	91	103950	19.548	ug/l		99
79) 2-Chlorotoluene	12.688	91	60340	19.932	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	79726	20.379	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4098	18.628	ug/l		97
82) 4-Chlorotoluene	12.786	91	62684	20.303	ug/l		99
83) tert-Butylbenzene	13.005	119	74013	20.332	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	79650	20.842	ug/l		99
85) sec-Butylbenzene	13.182	105	98630	20.123	ug/l		99
86) p-Isopropyltoluene	13.298	119	88167	20.575	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	43865	21.023	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	42330	20.707	ug/l		98
89) n-Butylbenzene	13.621	91	72816	20.171	ug/l		99
90) Hexachloroethane	13.883	117	15902	19.561	ug/l		95
91) 1,2-Dichlorobenzene	13.664	146	37259	20.807	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2361	20.414	ug/l		94
93) 1,2,4-Trichlorobenzene	14.932	180	21965	20.661	ug/l		97
94) Hexachlorobutadiene	15.029	225	16383	20.697	ug/l		98
95) Naphthalene	15.151	128	34561	19.827	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	17939	20.184	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

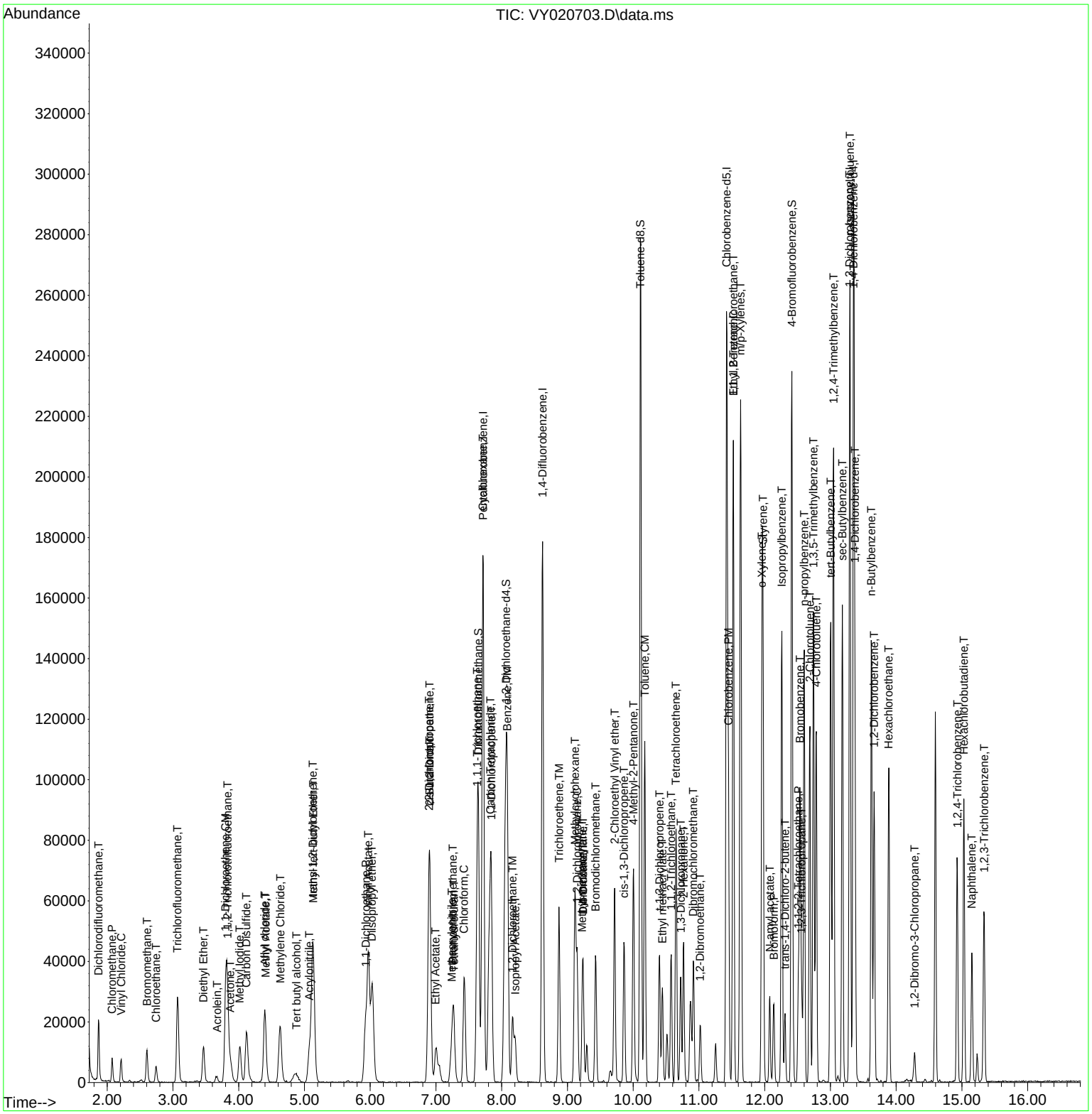
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

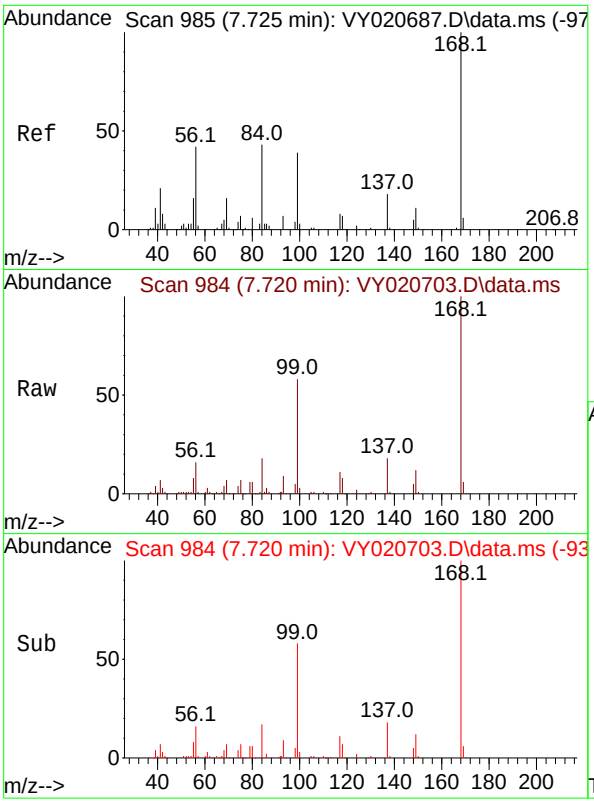
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020703.D
Acq On : 23 Dec 2024 19:47
Operator : SY/MD
Sample : VY1223SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Quant Time: Dec 25 01:03:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration



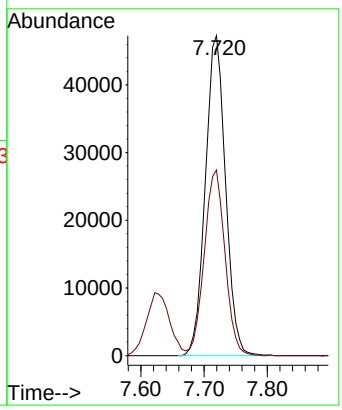


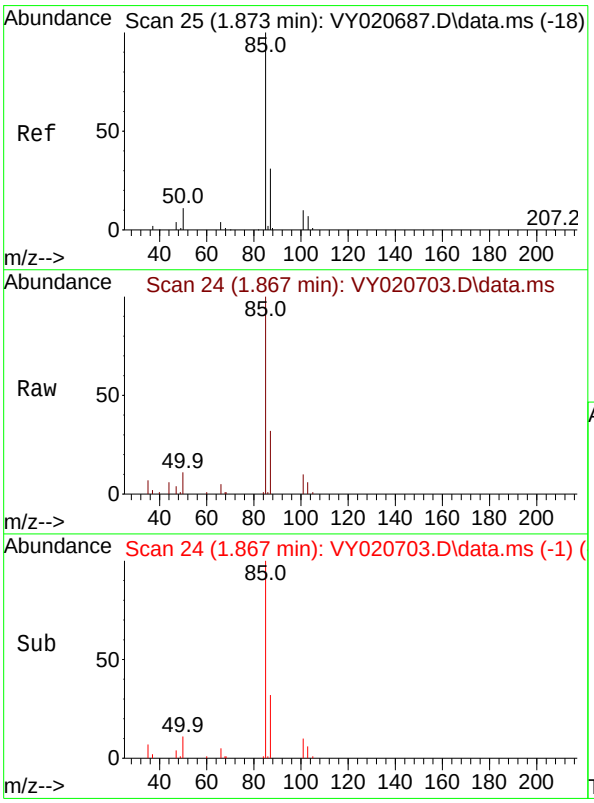
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:168 Resp: 104834

Ion	Ratio	Lower	Upper
168	100		
99	58.0	43.8	65.6

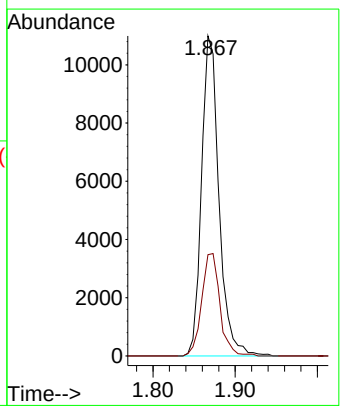


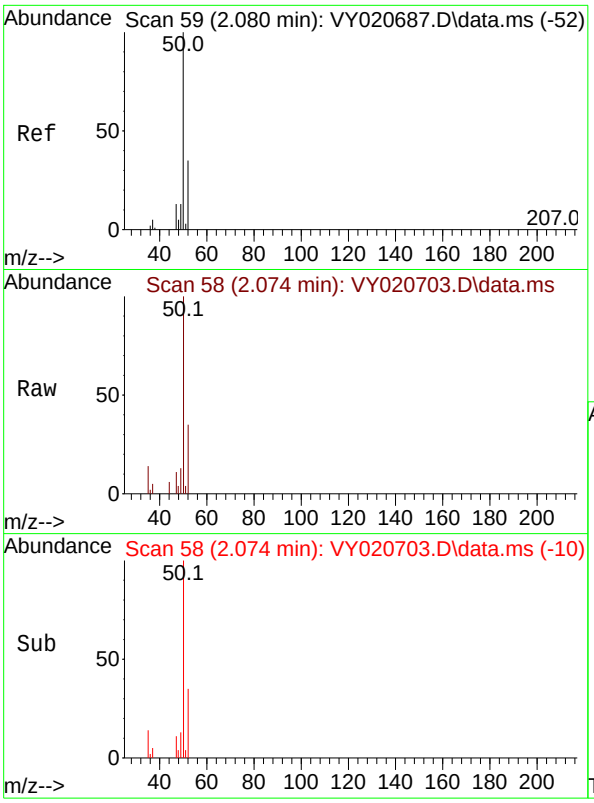


#2
Dichlorodifluoromethane
Concen: 19.999 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 85 Resp: 16152

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4



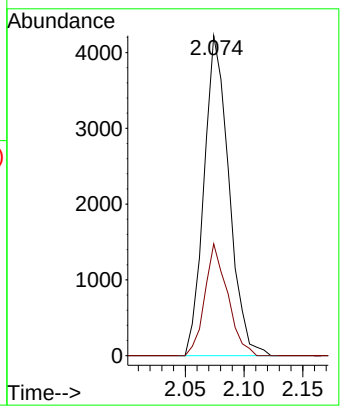


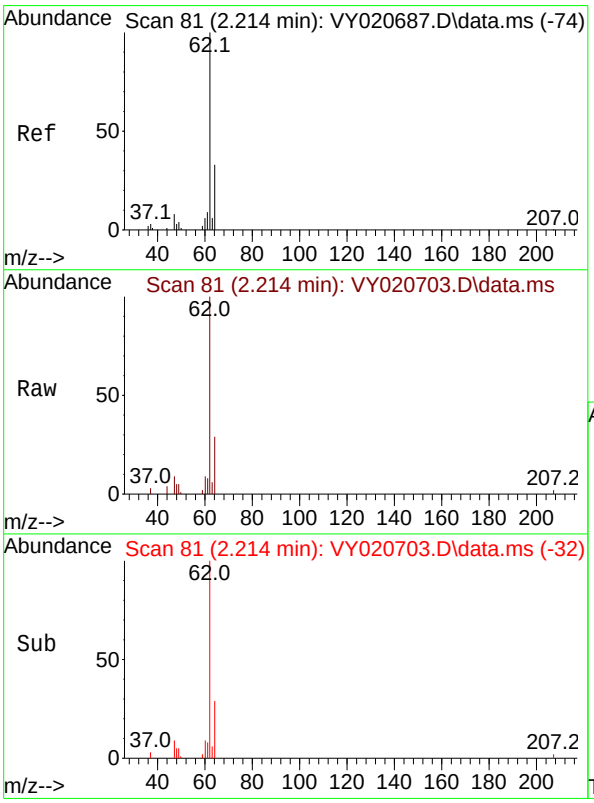
#3
Chloromethane
Concen: 18.943 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 50 Resp: 6233

Ion	Ratio	Lower	Upper
50	100		
52	34.9	28.2	42.2

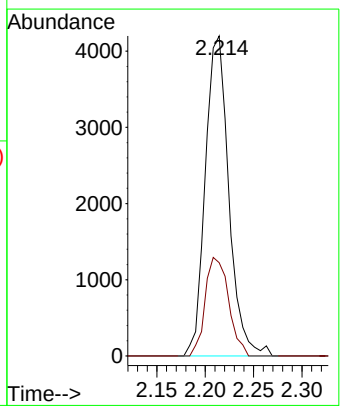


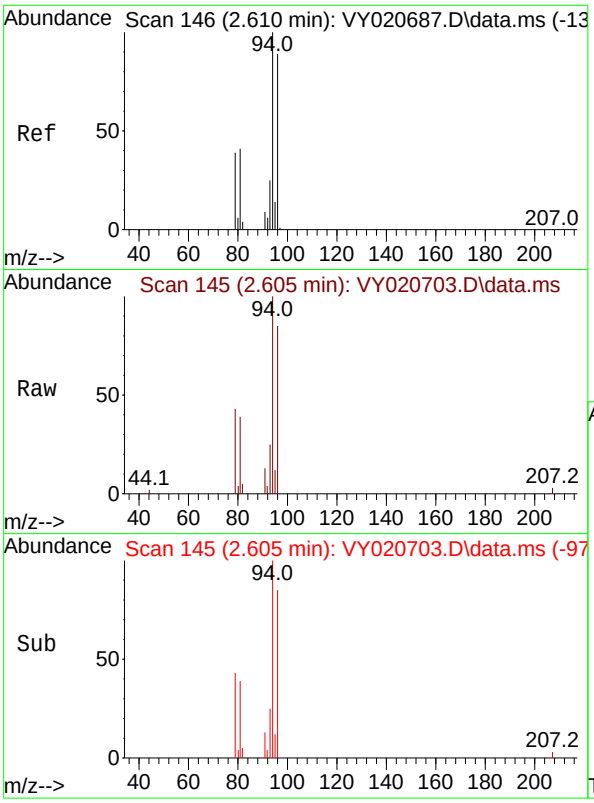


#4
Vinyl Chloride
Concen: 17.709 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 62 Resp: 7104

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.6	40.0



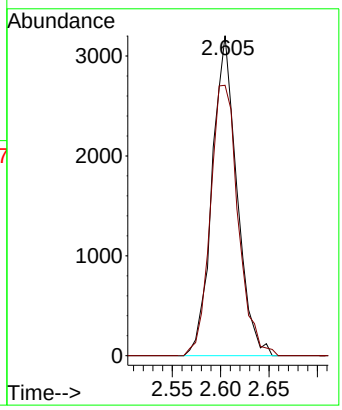


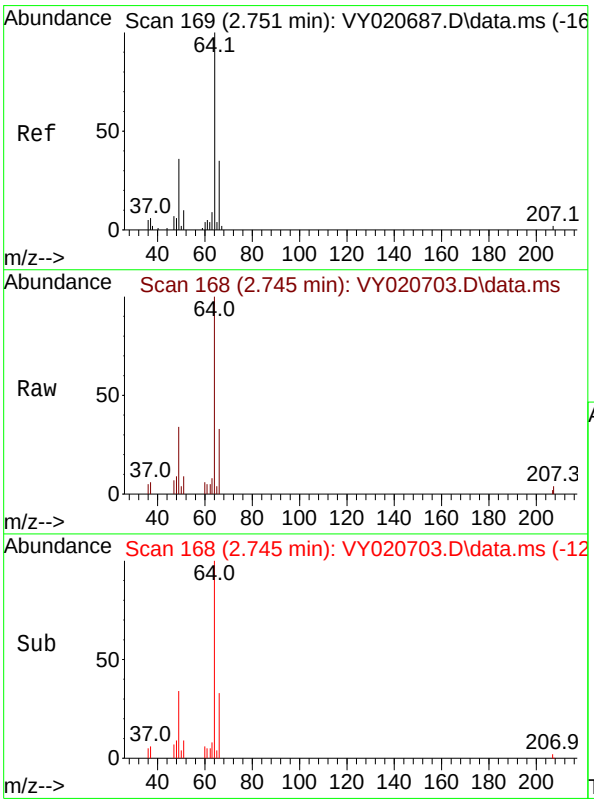
#5
Bromomethane
Concen: 20.171 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 94 Resp: 5714

Ion	Ratio	Lower	Upper
94	100		
96	84.5	71.0	106.6

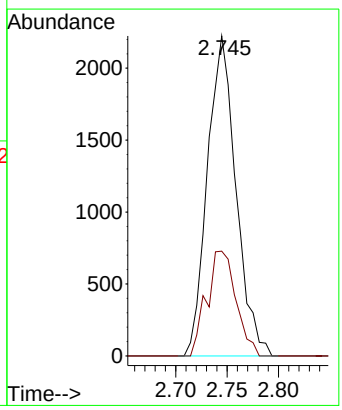


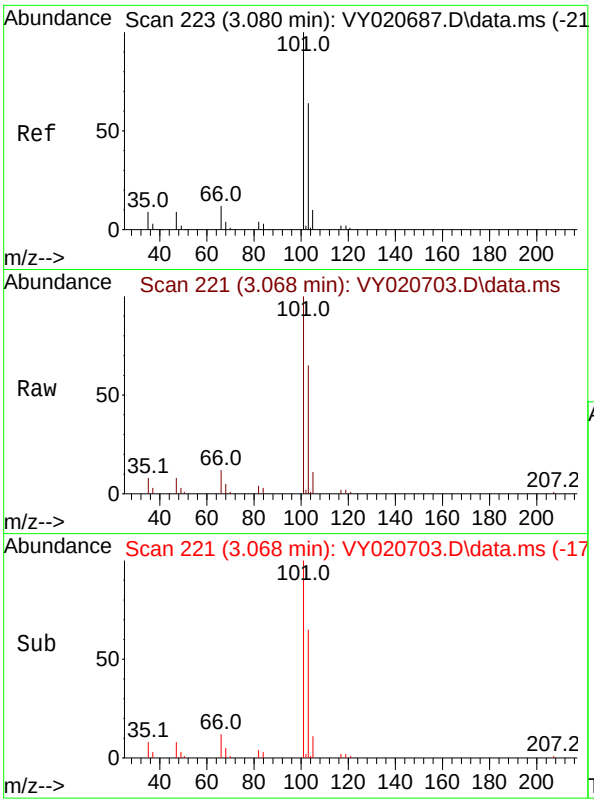


#6
Chloroethane
Concen: 17.632 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 64 Resp: 4299

Ion	Ratio	Lower	Upper
64	100		
66	32.7	27.8	41.8



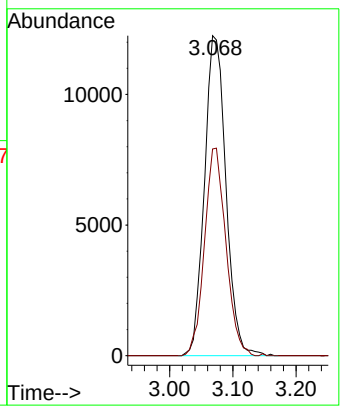


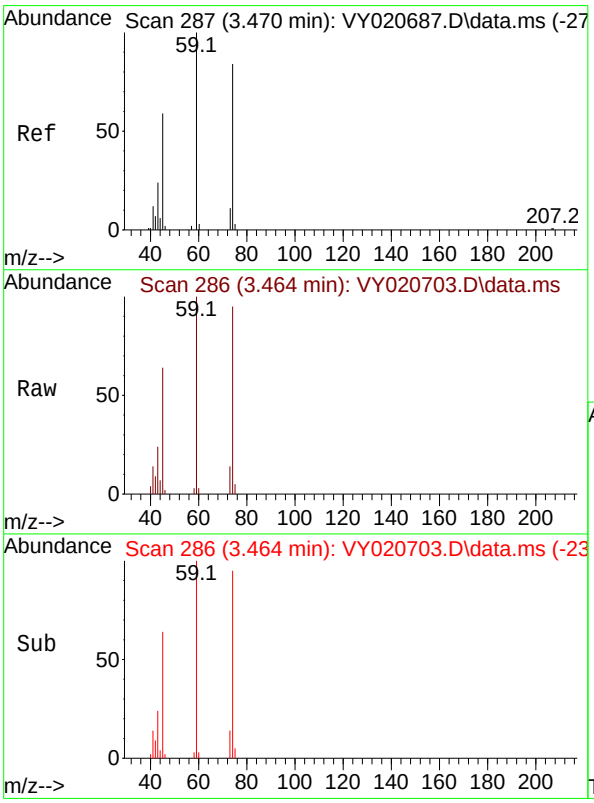
#7
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:101 Resp: 28952

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.0

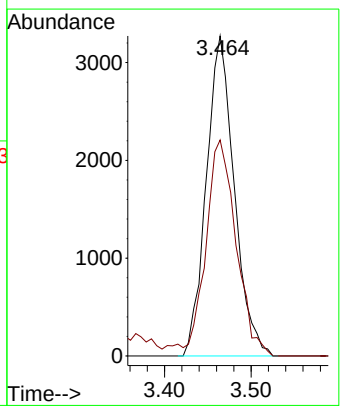


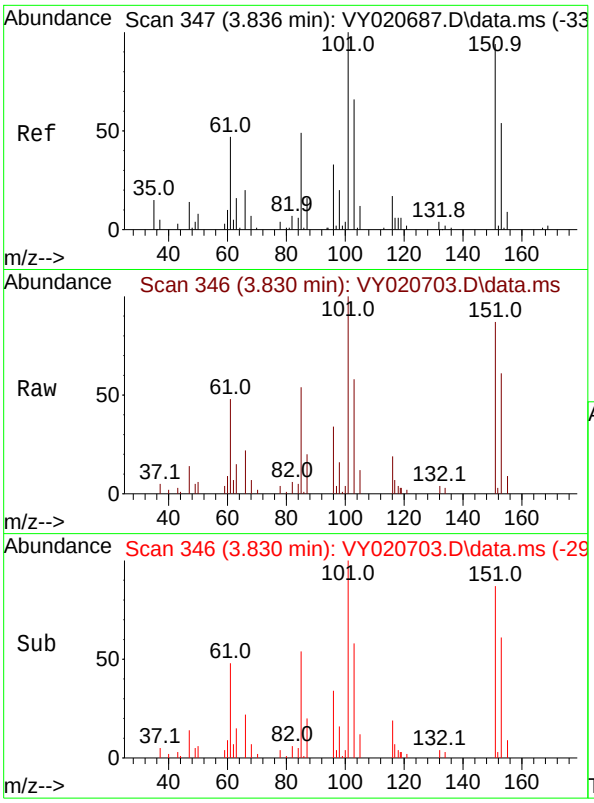


#8
Diethyl Ether
Concen: 21.271 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 74 Resp: 7345

Ion	Ratio	Lower	Upper
74	100		
45	74.4	35.8	107.4



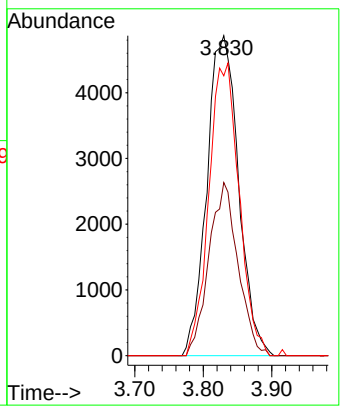


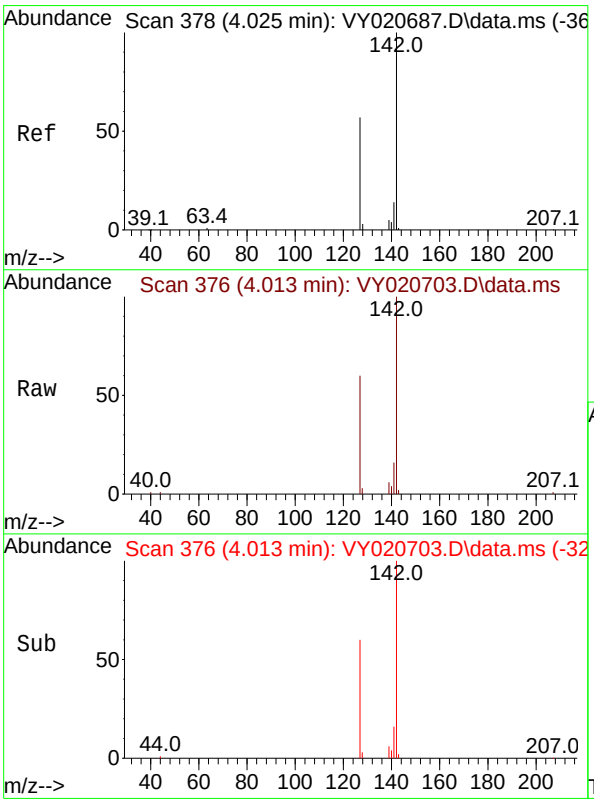
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.863 ug/l
RT: 3.830 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:101 Resp: 15648

Ion	Ratio	Lower	Upper
101	100		
85	49.6	38.2	57.2
151	87.2	68.4	102.6

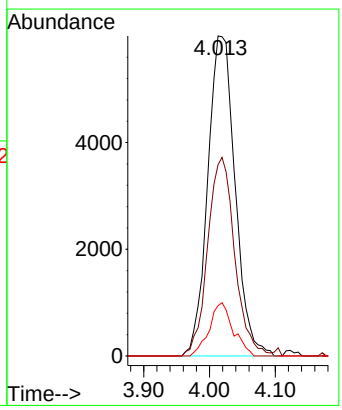


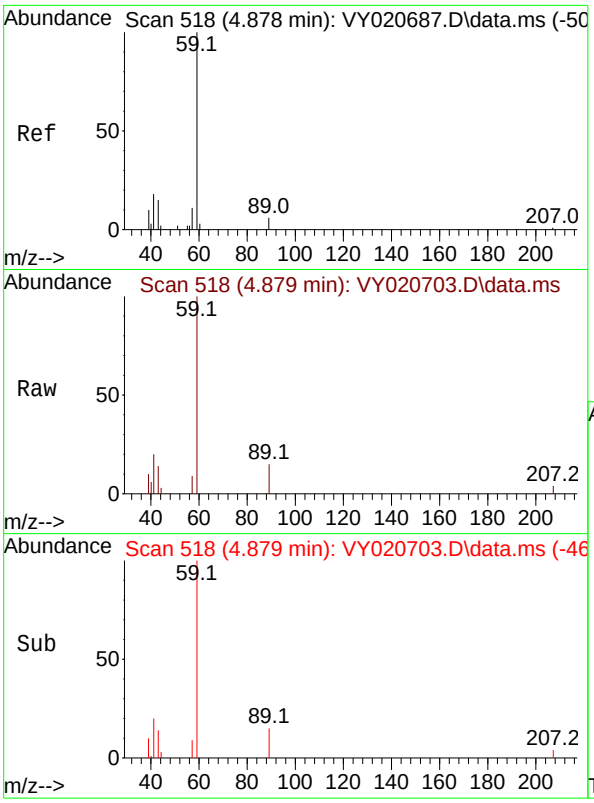


#10
Methyl Iodide
Concen: 19.168 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:142 Resp: 17395

Ion	Ratio	Lower	Upper
142	100		
127	61.1	48.8	73.2
141	14.5	11.9	17.9



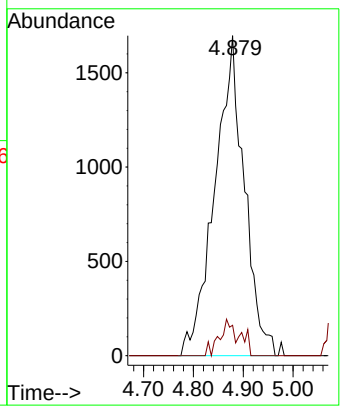


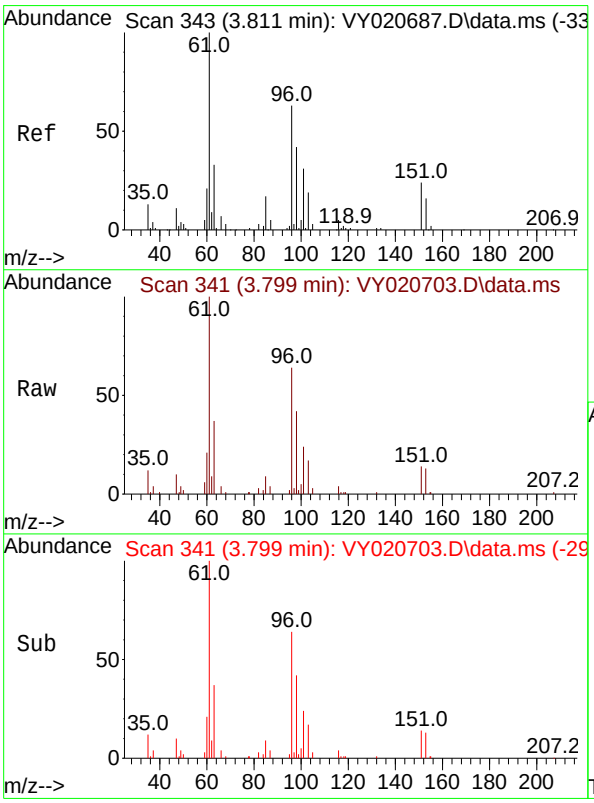
#11
Tert butyl alcohol
Concen: 93.870 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 59 Resp: 6977

Ion	Ratio	Lower	Upper
59	100		
57	5.9	2.8	4.2#

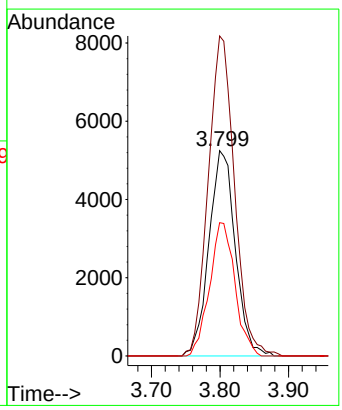


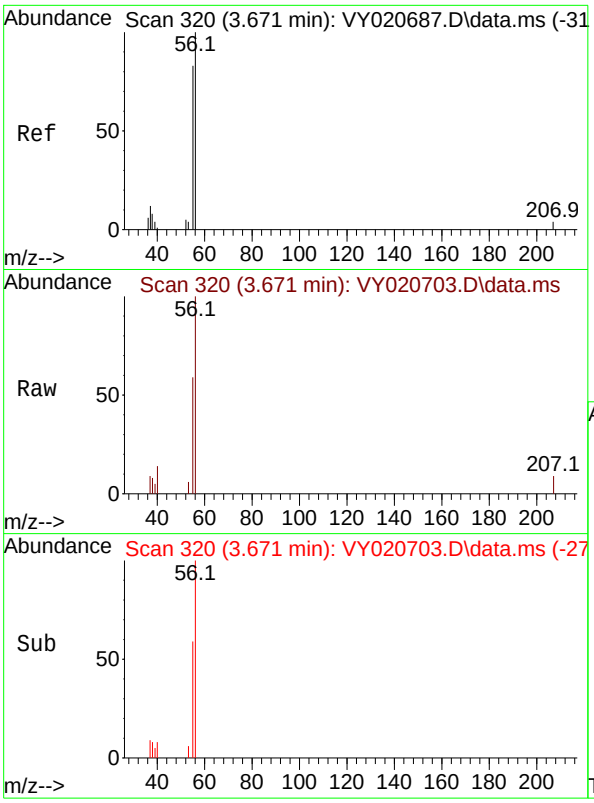


#12
1,1-Dichloroethene
Concen: 20.040 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 96 Resp: 14011

Ion	Ratio	Lower	Upper
96	100		
61	155.9	127.1	190.7
98	65.0	53.4	80.0



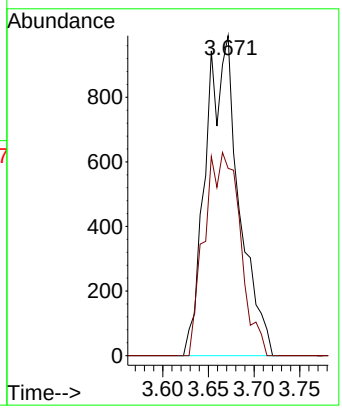


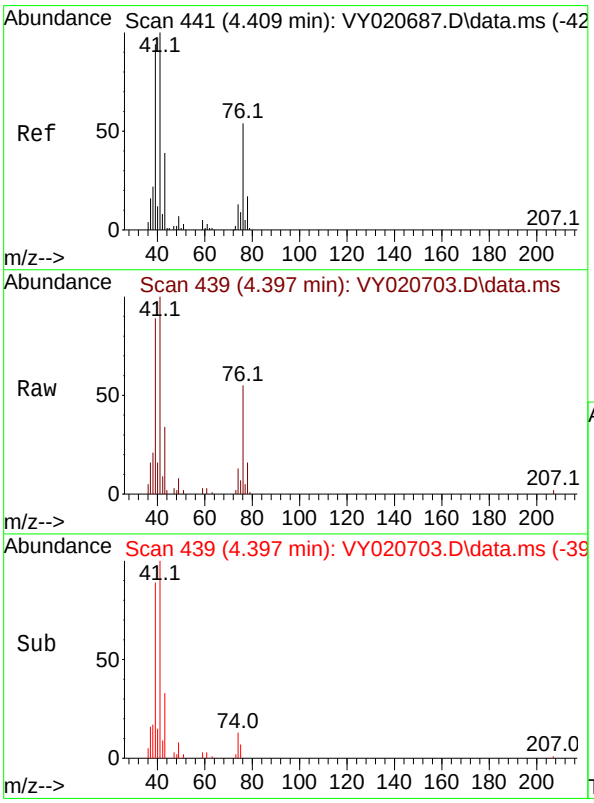
#13
Acrolein
Concen: 141.348 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 56 Resp: 2497

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.0	85.4

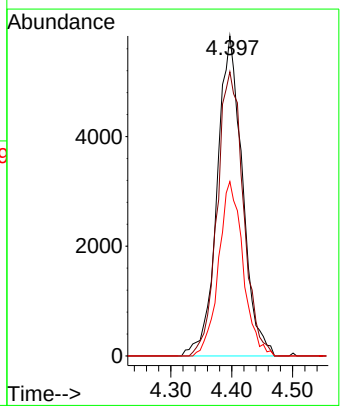


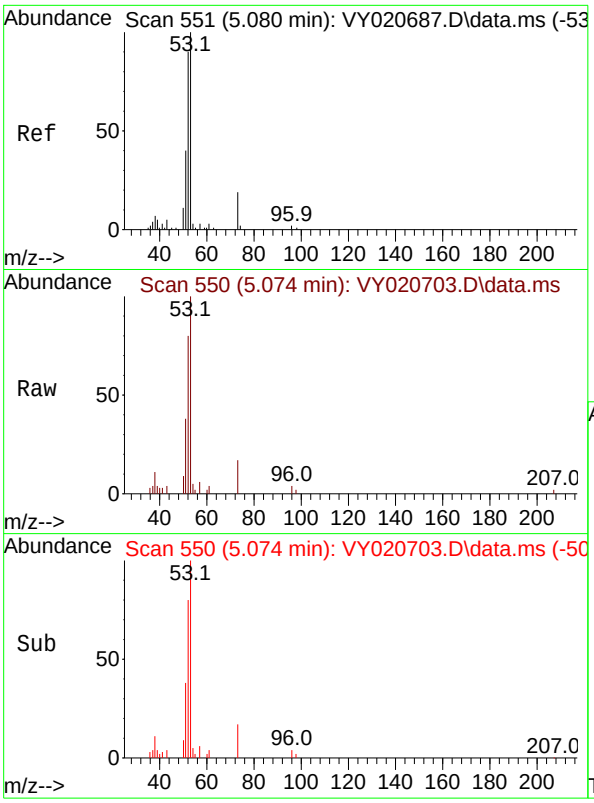


#14
Allyl chloride
Concen: 20.562 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 41 Resp: 16858

Ion	Ratio	Lower	Upper
41	100		
39	91.2	73.5	110.3
76	52.3	41.8	62.8



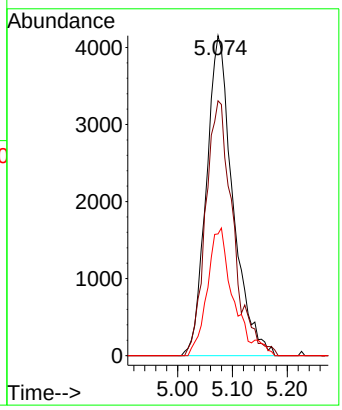


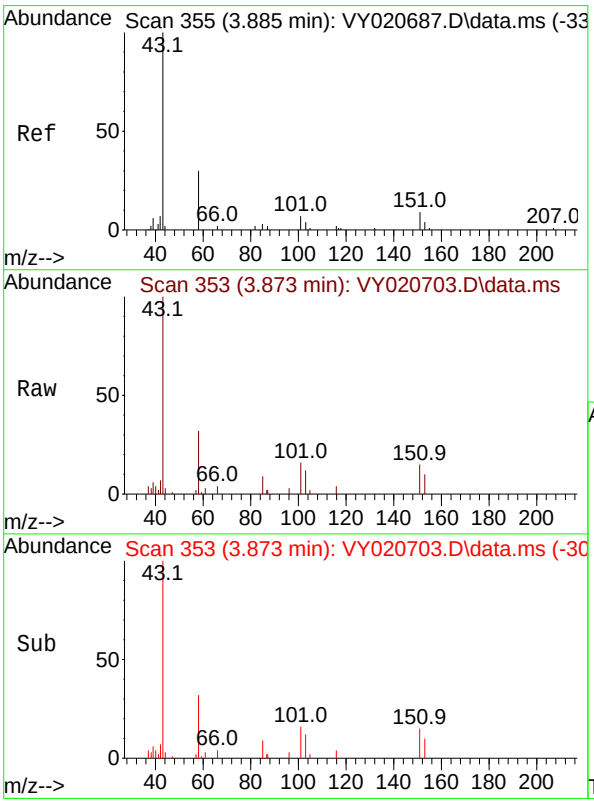
#15
Acrylonitrile
Concen: 109.579 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 53 Resp: 13947

Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.1	100.7
51	37.2	31.4	47.0

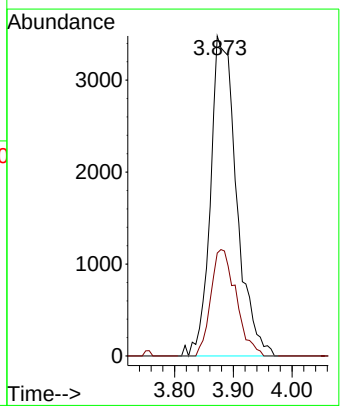


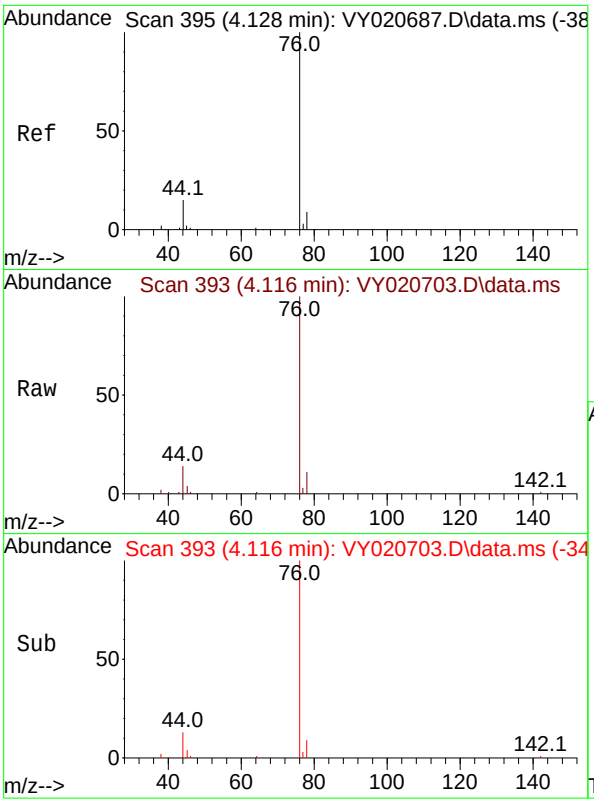


#16
Acetone
Concen: 101.056 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 10717

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.0	37.6



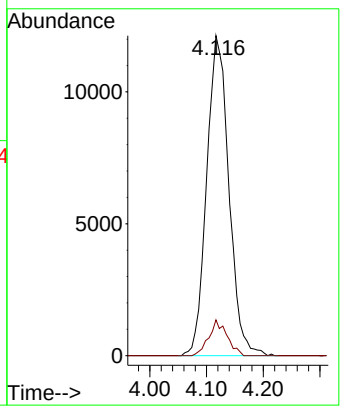


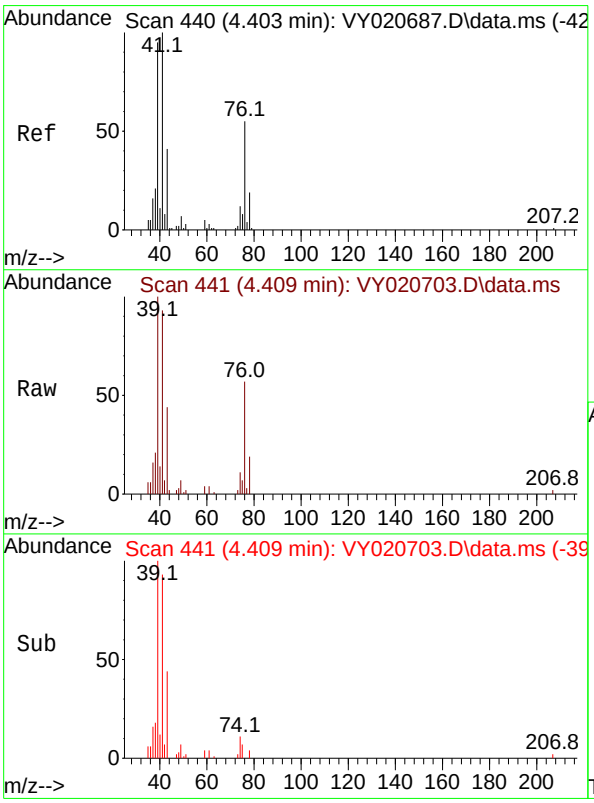
#17
Carbon Disulfide
Concen: 18.937 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 76 Resp: 33010

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.9	10.3#

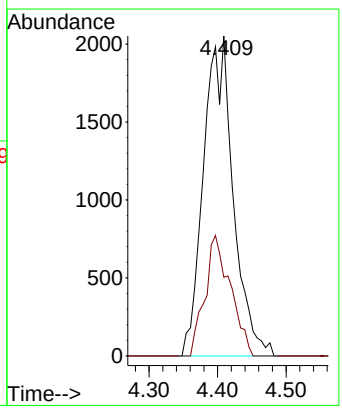


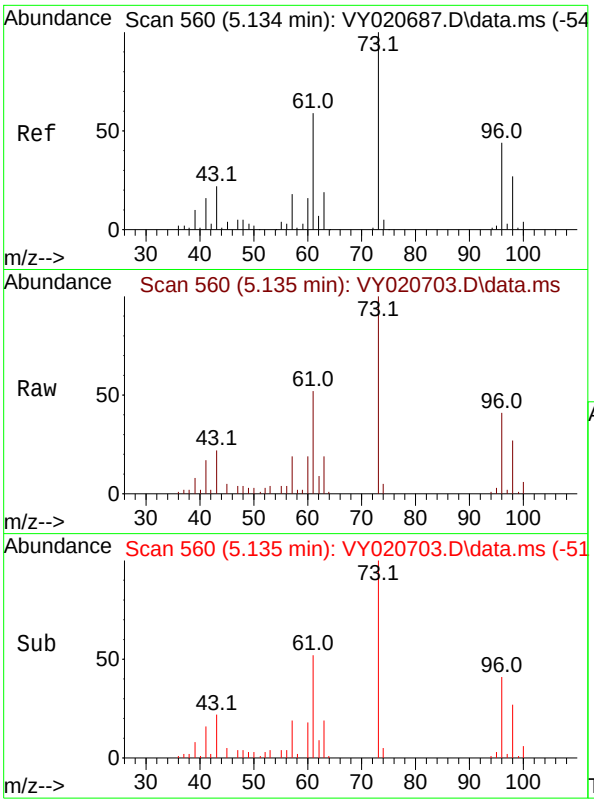


#18
Methyl Acetate
Concen: 22.535 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 6183

Ion	Ratio	Lower	Upper
43	100		
74	32.2	25.3	37.9



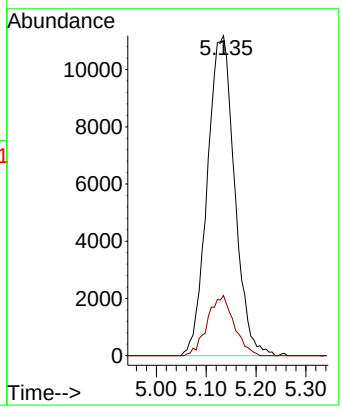


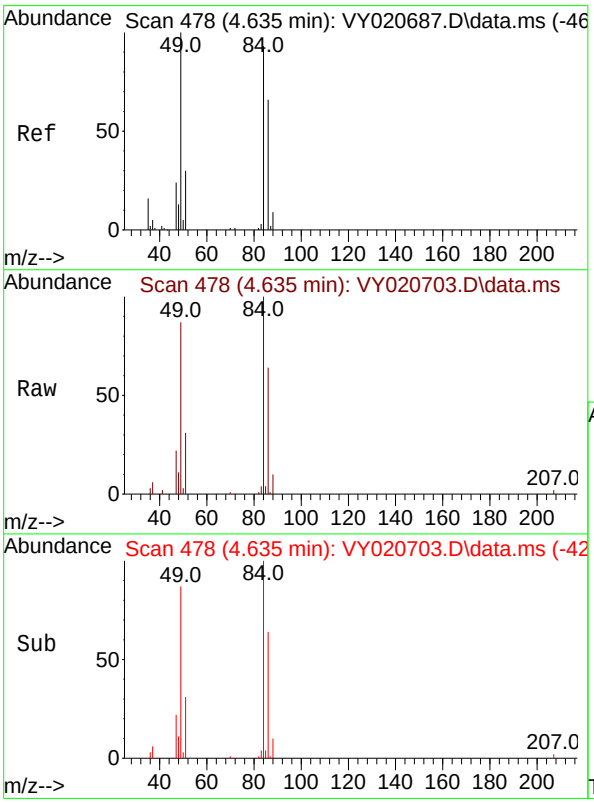
#19
Methyl tert-butyl Ether
Concen: 22.307 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 73 Resp: 42423

Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.4	21.6

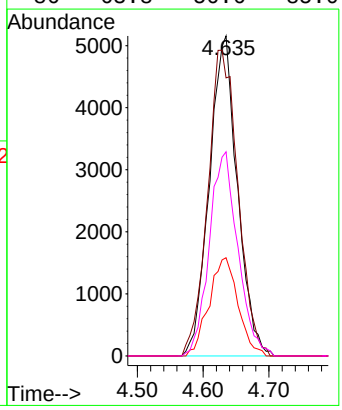


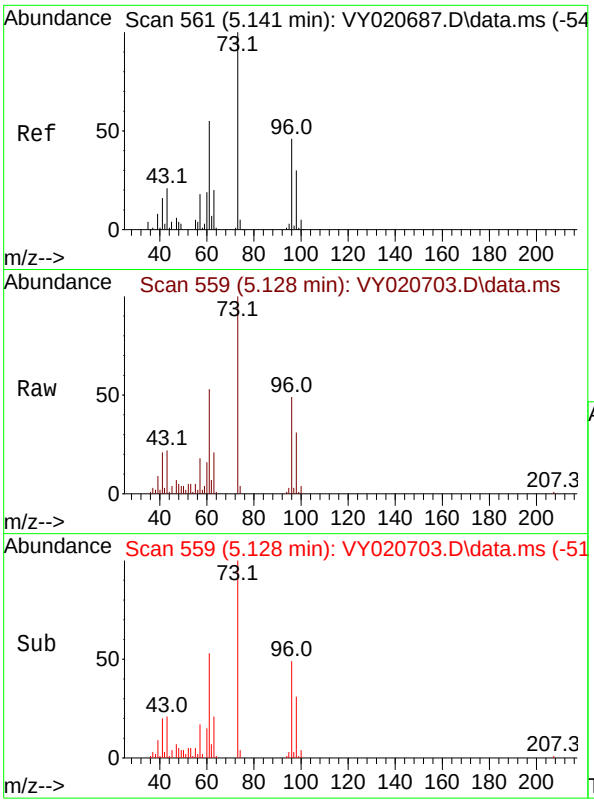


#20
Methylene Chloride
Concen: 21.633 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 84 Resp: 15288

Ion	Ratio	Lower	Upper
84	100		
49	86.9	86.4	129.6
51	30.7	25.5	38.3
86	63.8	56.6	85.0



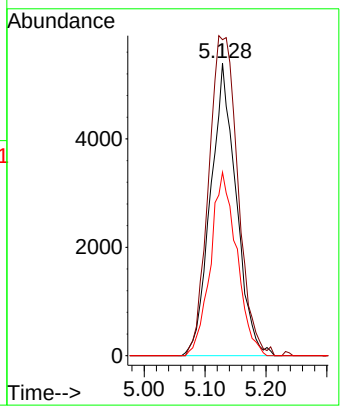


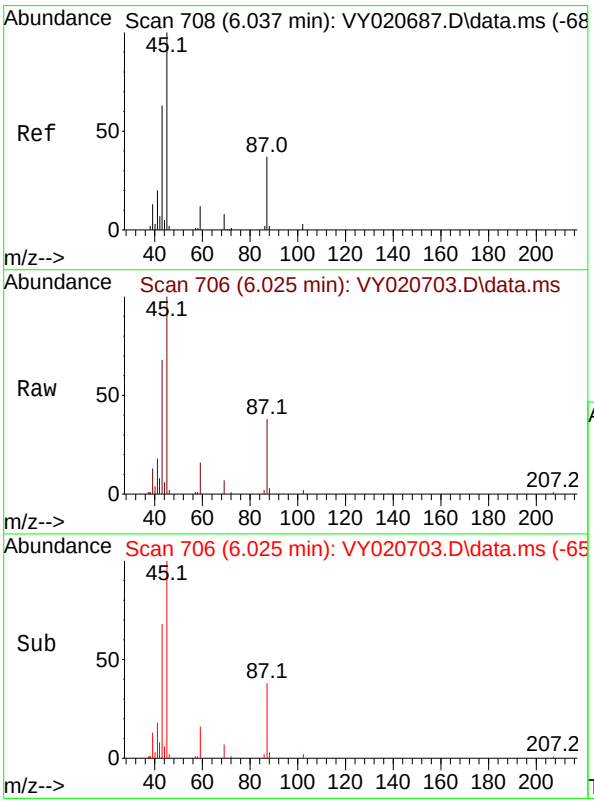
#21
trans-1,2-Dichloroethene
Concen: 20.956 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 96 Resp: 15798

Ion	Ratio	Lower	Upper
96	100		
61	108.1	96.1	144.1
98	62.7	52.7	79.1

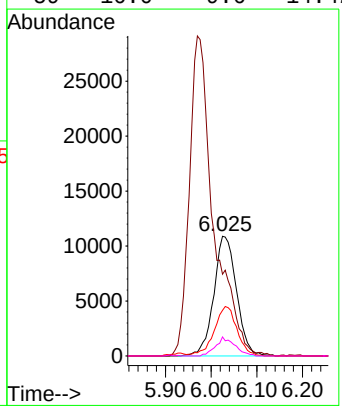


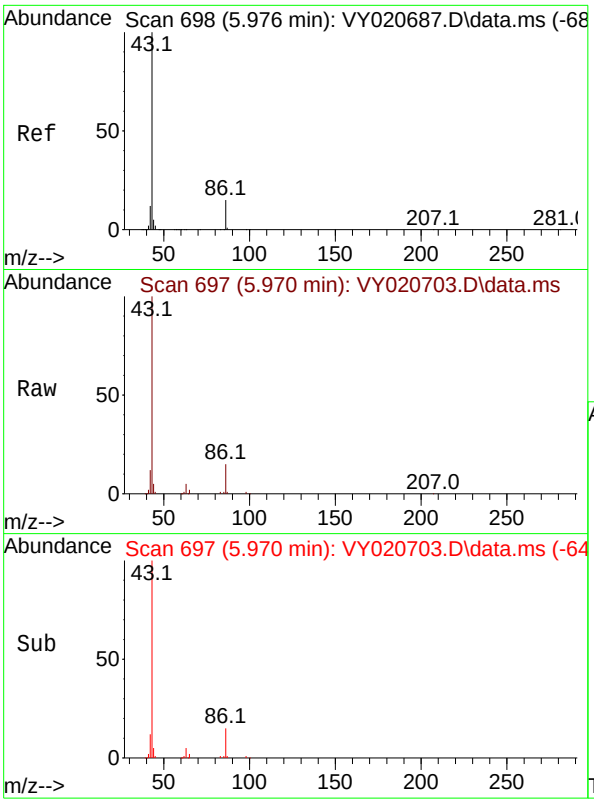


#22
Diisopropyl ether
Concen: 22.479 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 45 Resp: 37677

Ion	Ratio	Lower	Upper
45	100		
43	68.4	51.3	76.9
87	38.1	30.6	46.0
59	16.0	9.6	14.4#



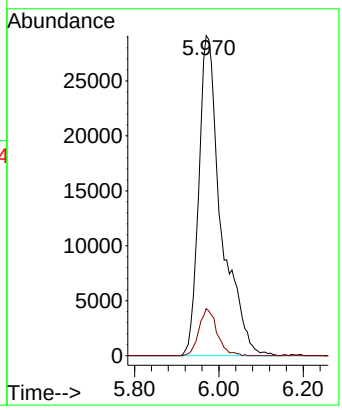


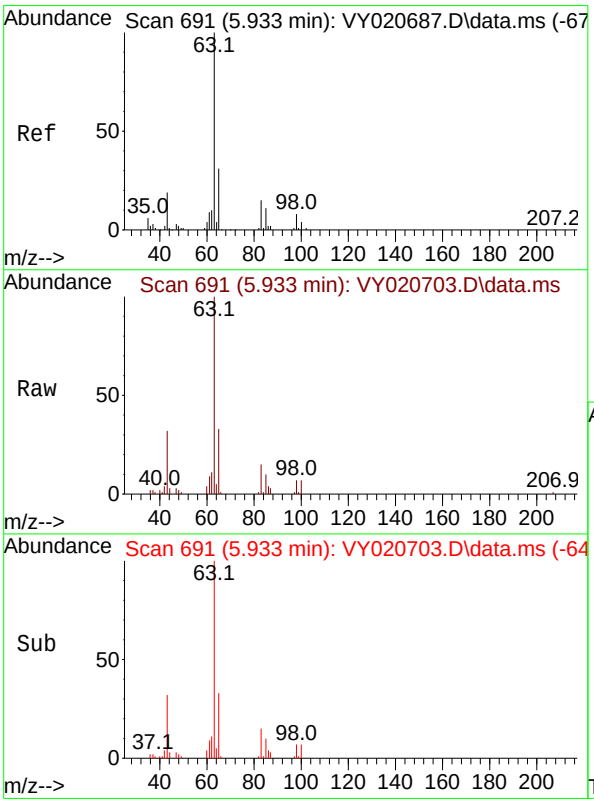
#23
Vinyl Acetate
Concen: 108.272 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 107461

Ion	Ratio	Lower	Upper
43	100		
86	14.7	12.0	18.0

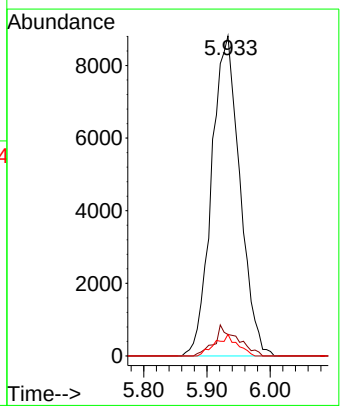


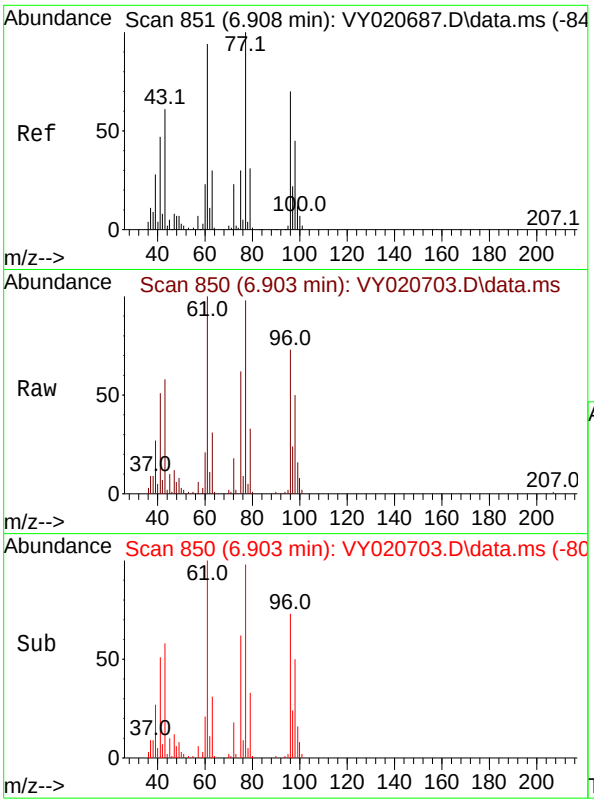


#24
1,1-Dichloroethane
Concen: 21.882 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 63 Resp: 27342

Ion	Ratio	Lower	Upper
63	100		
98	6.7	4.0	12.0
100	6.8	2.1	6.2#



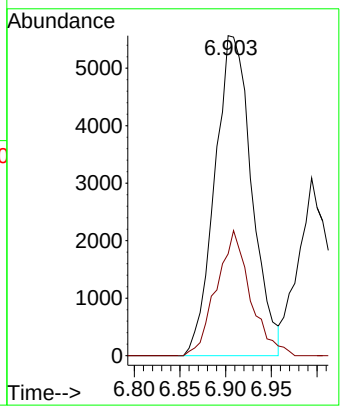


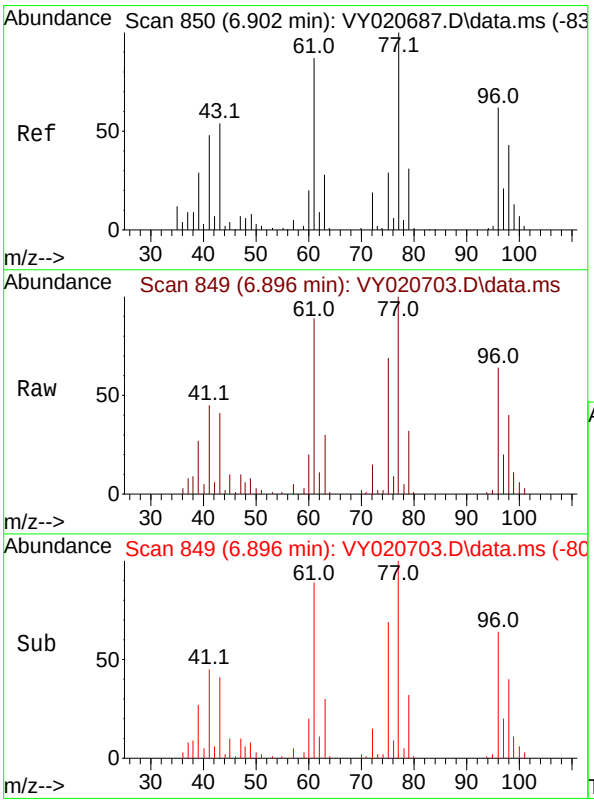
#25
2-Butanone
Concen: 105.199 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 15672

Ion	Ratio	Lower	Upper
43	100		
72	31.8	29.5	44.3

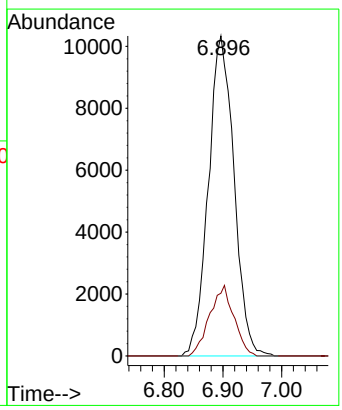


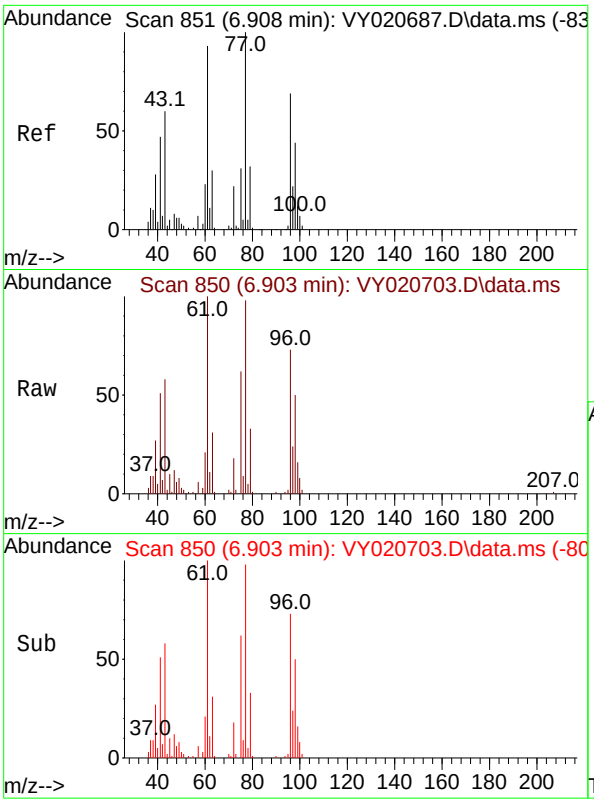


#26
2,2-Dichloropropane
Concen: 20.024 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 77 Resp: 31303

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.8	32.4



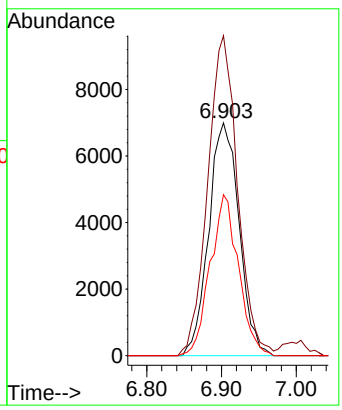


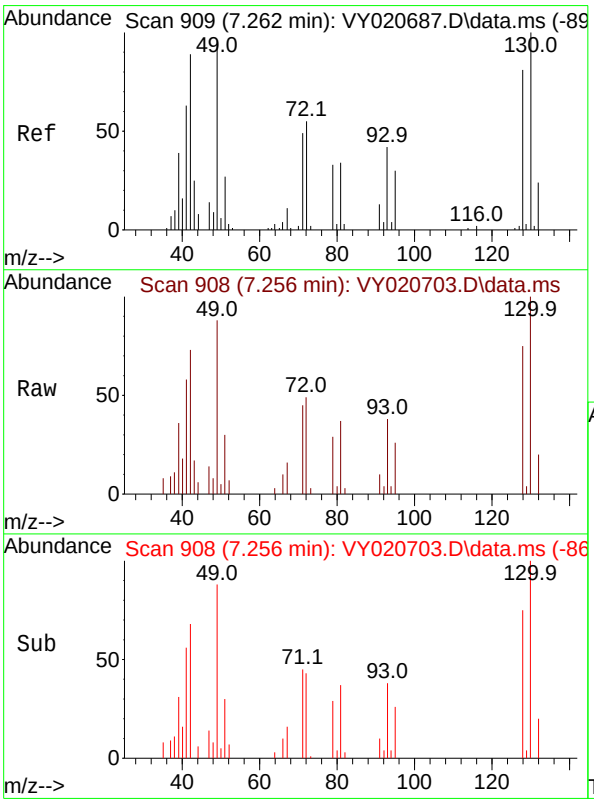
#27
cis-1,2-Dichloroethene
Concen: 22.020 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 96 Resp: 19772

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	277.2
98	64.4	0.0	131.0

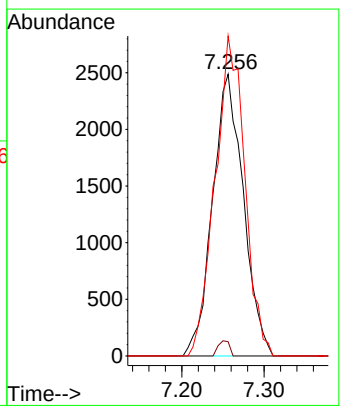


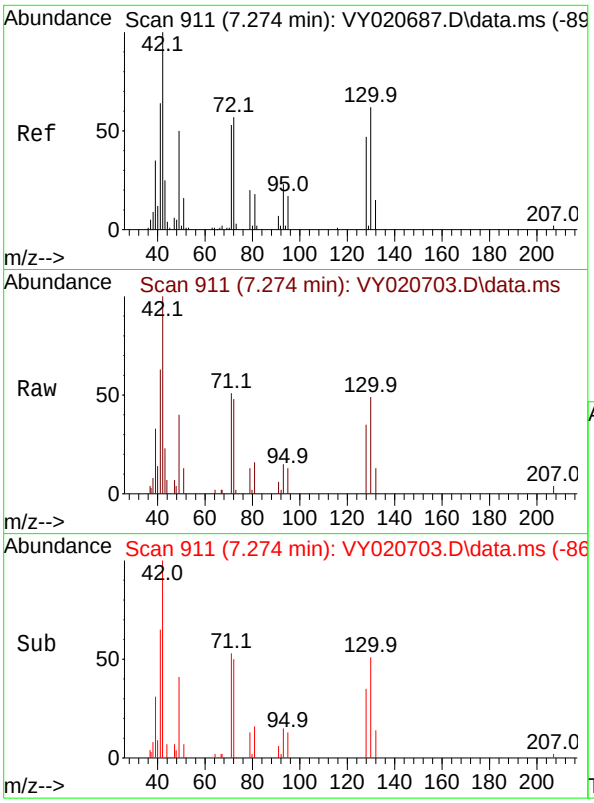


#28
Bromochloromethane
Concen: 19.677 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 49 Resp: 6466

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	109.6	87.2	130.8



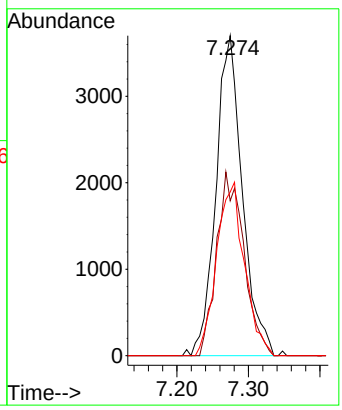


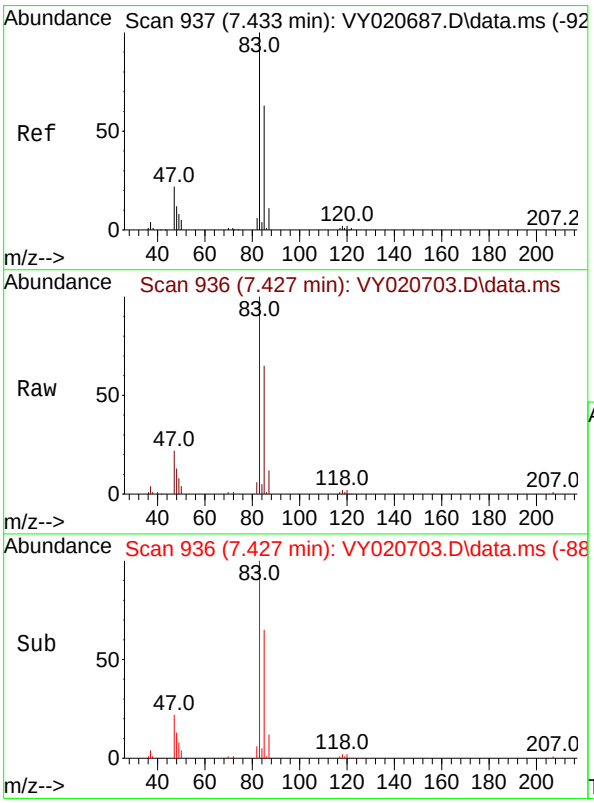
#29
Tetrahydrofuran
Concen: 108.884 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 42 Resp: 9534

Ion	Ratio	Lower	Upper
42	100		
72	59.0	47.4	71.0
71	56.9	42.8	64.2

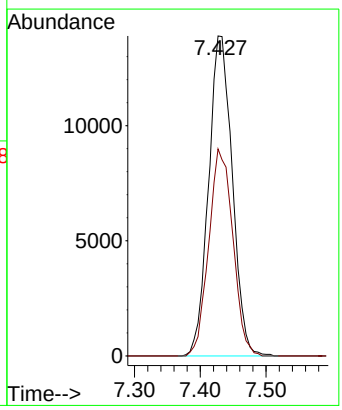


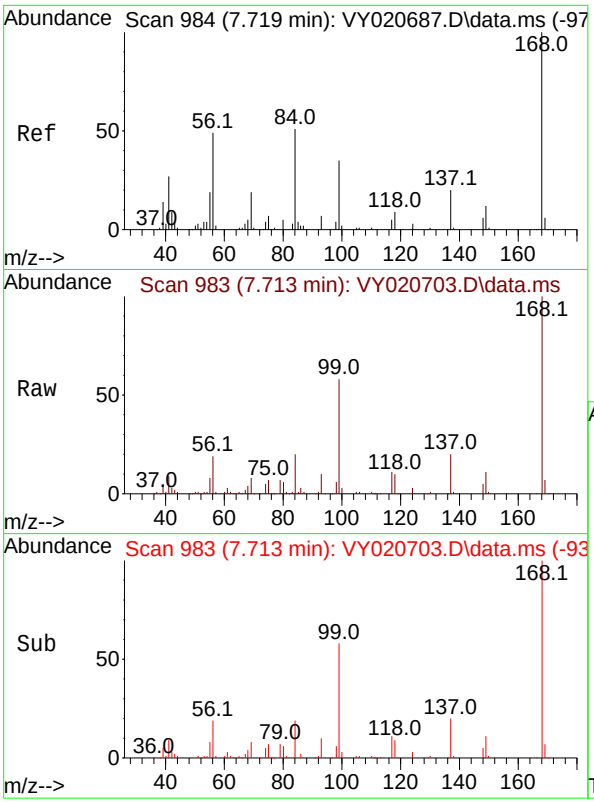


#30
Chloroform
Concen: 21.222 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 83 Resp: 34856

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.2



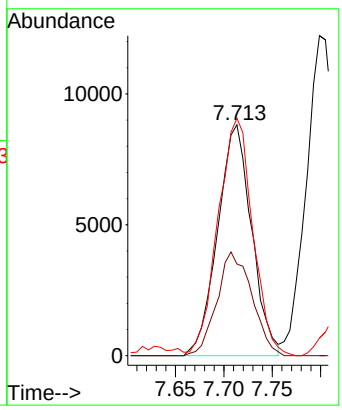


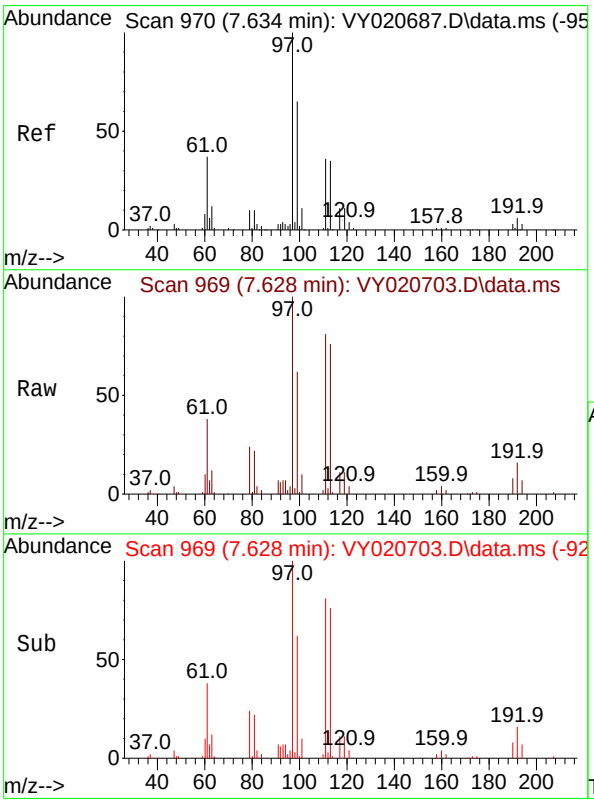
#31
Cyclohexane
Concen: 19.666 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 56 Resp: 21545

Ion	Ratio	Lower	Upper
56	100		
69	39.7	31.3	46.9
84	99.7	83.9	125.9

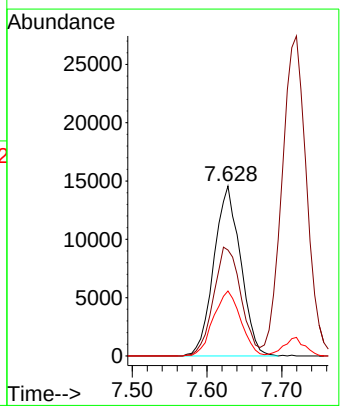


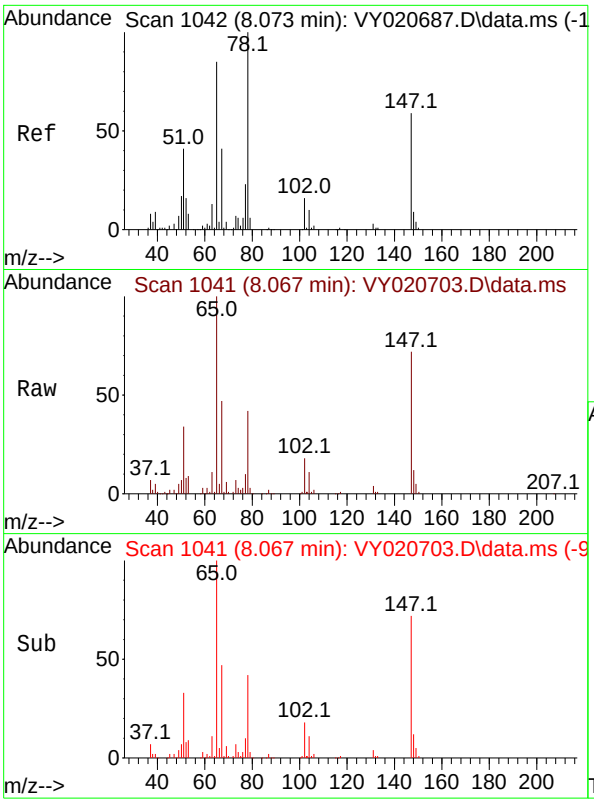


#32
1,1,1-Trichloroethane
Concen: 21.120 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 97 Resp: 36239

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.0	76.6
61	39.2	30.0	45.0



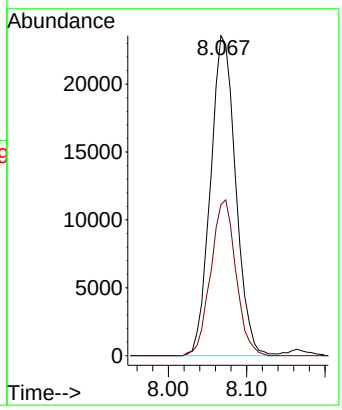


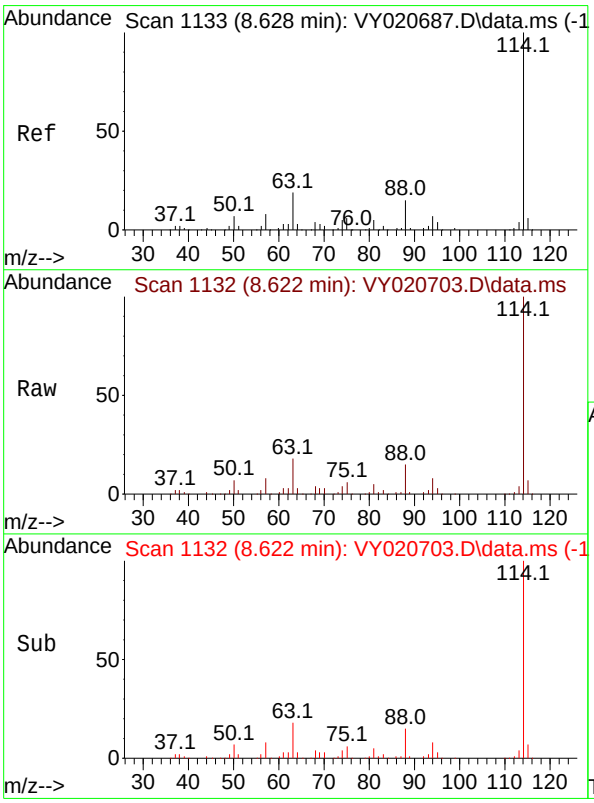
#33
1,2-Dichloroethane-d4
Concen: 56.819 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 65 Resp: 52754

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	98.0

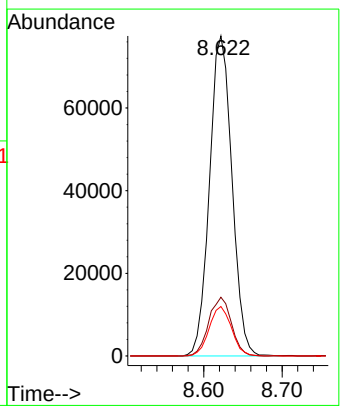


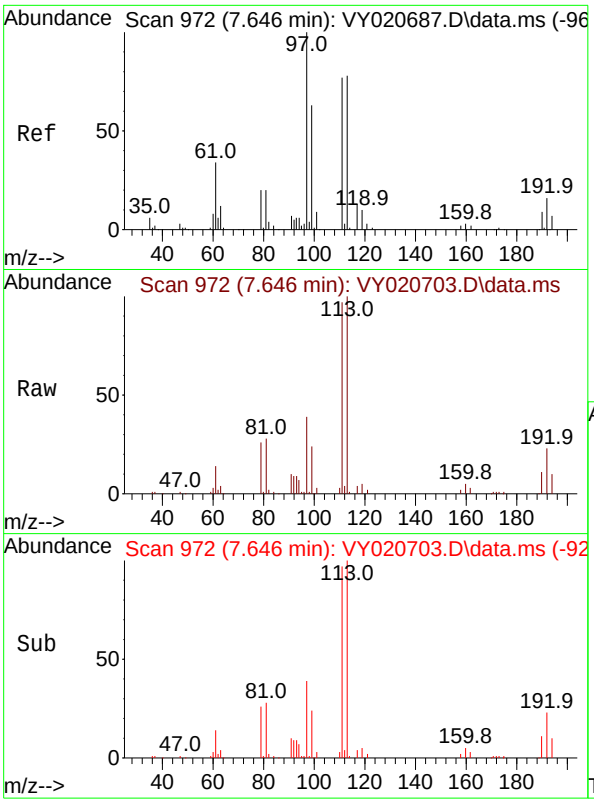


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:114 Resp: 154339

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	15.4	0.0	30.4



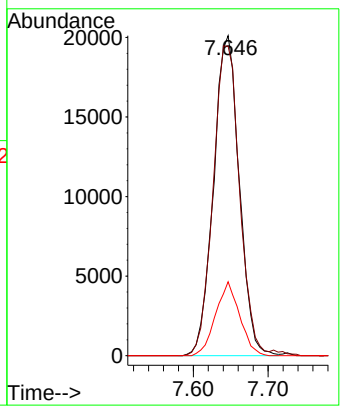


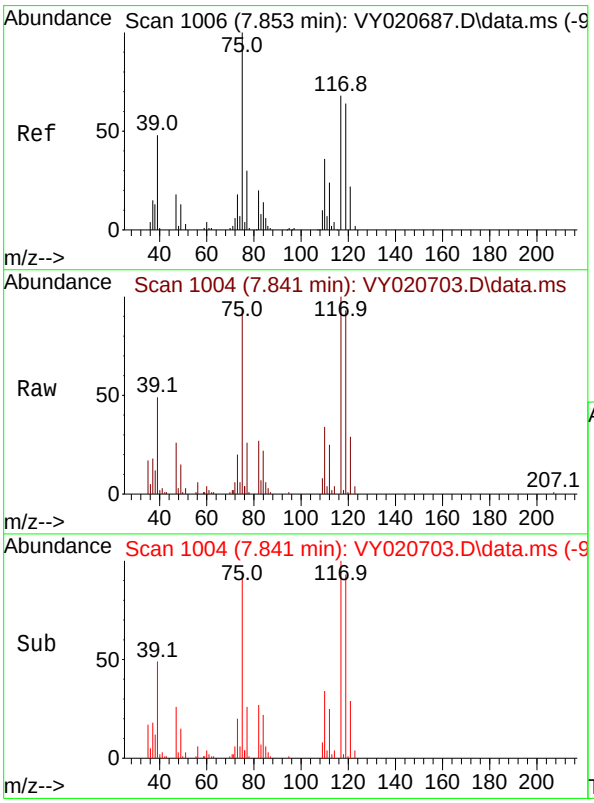
#35
Dibromofluoromethane
Concen: 53.141 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:113 Resp: 48159

Ion	Ratio	Lower	Upper
113	100		
111	99.6	79.8	119.8
192	21.6	17.0	25.6

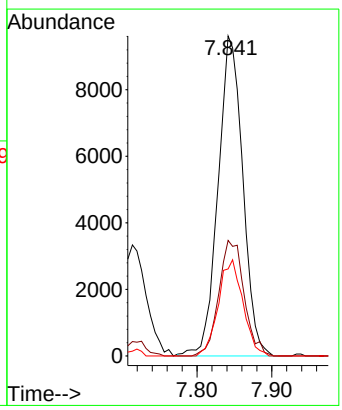


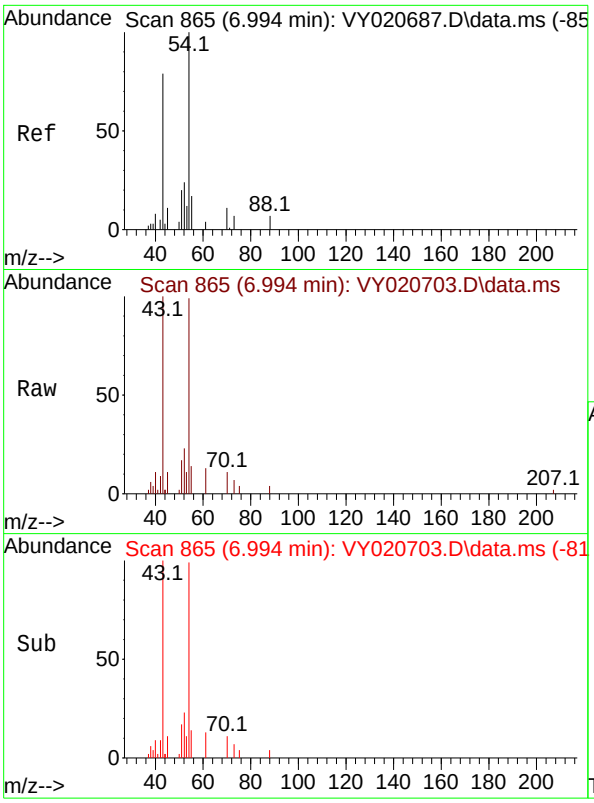


#36
1,1-Dichloropropene
Concen: 20.061 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 22098

Ion	Ratio	Lower	Upper
75	100		
110	37.1	19.6	58.7
77	29.9	25.1	37.7



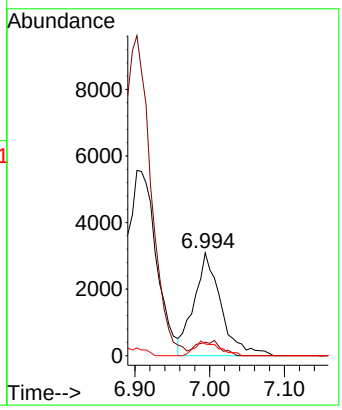


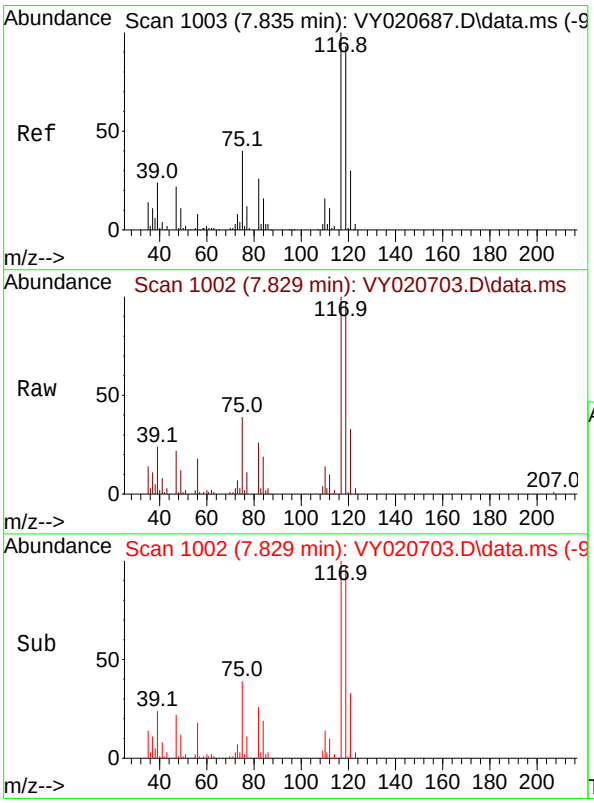
#37
Ethyl Acetate
Concen: 20.609 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 7719

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	12.5	11.0	16.4

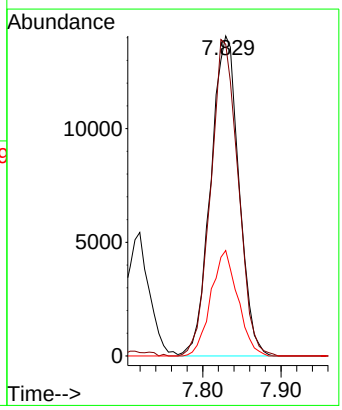


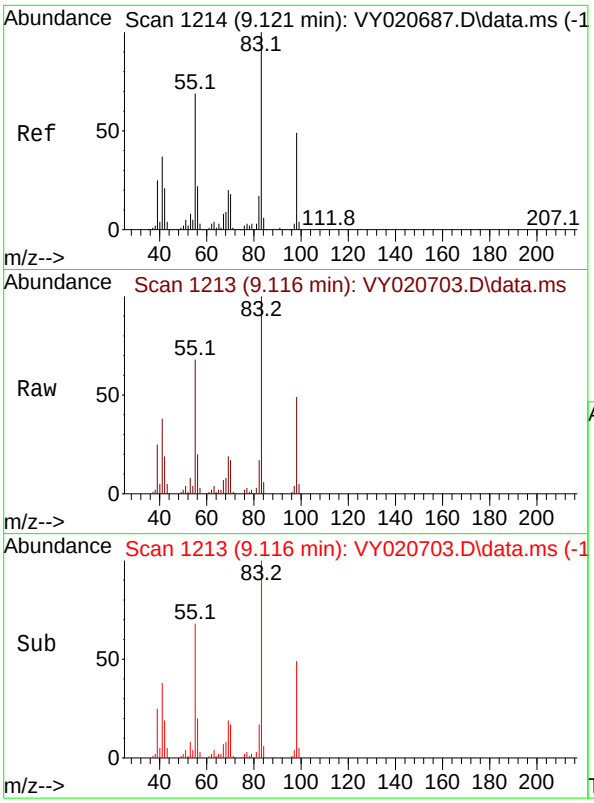


#38
Carbon Tetrachloride
Concen: 19.755 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:117 Resp: 35214

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	33.0	24.2	36.2



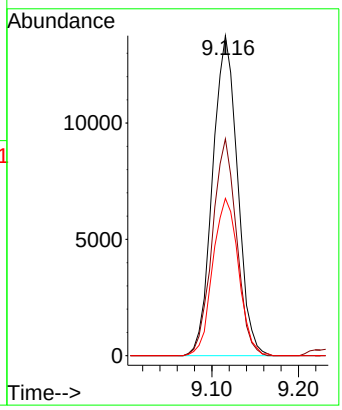


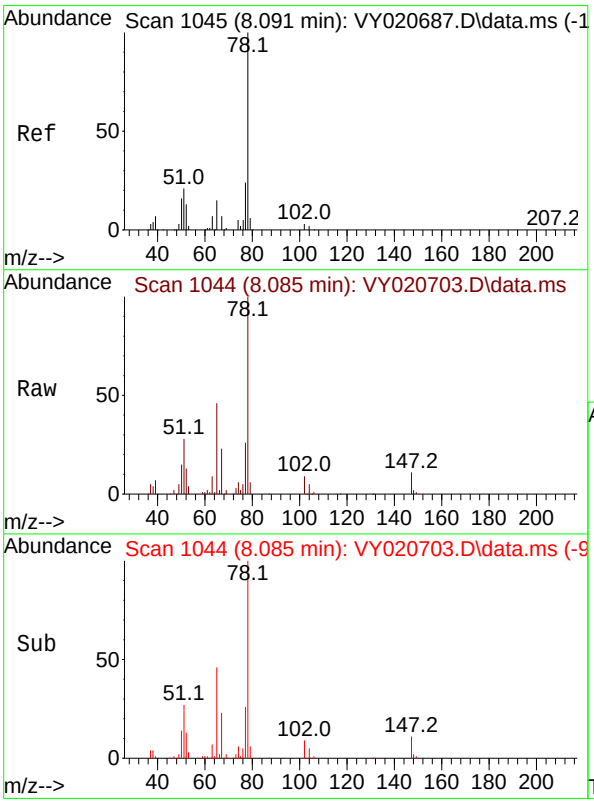
#39
Methylcyclohexane
Concen: 19.641 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 83 Resp: 27500

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.0	82.4
98	49.1	39.0	58.6

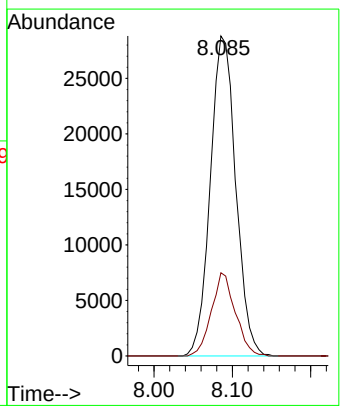


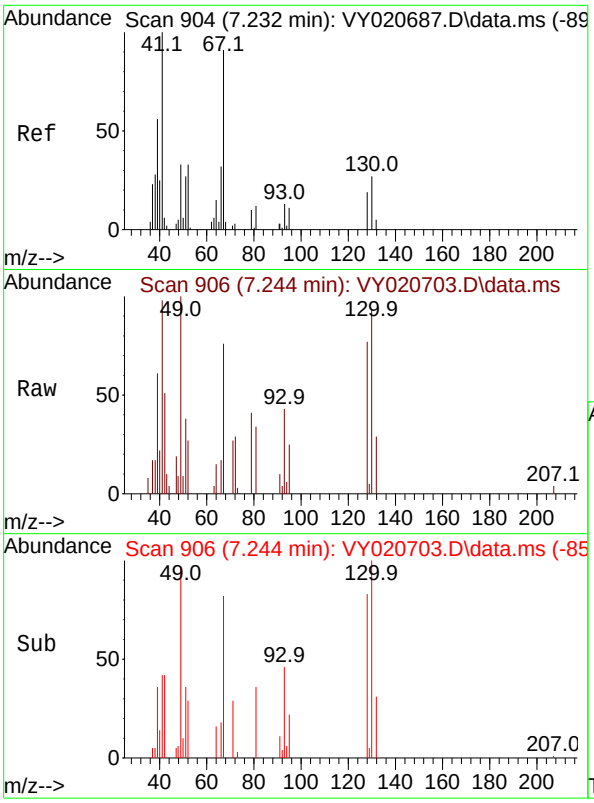


#40
Benzene
Concen: 20.474 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 78 Resp: 65063

Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.2	28.8



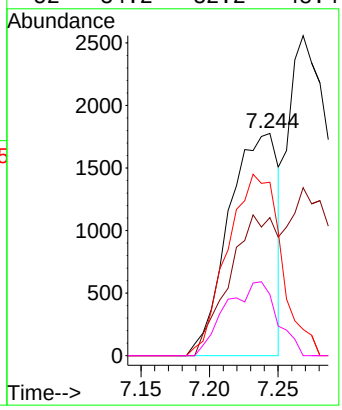


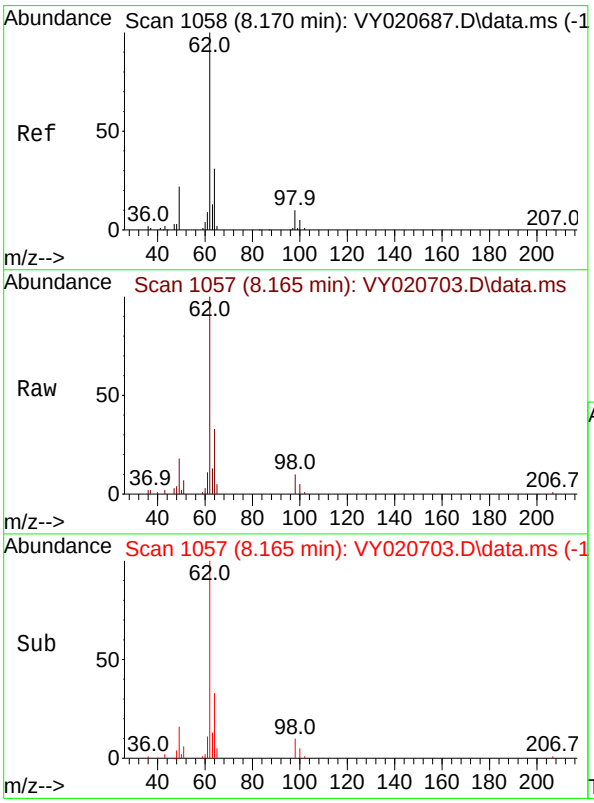
#41
Methacrylonitrile
Concen: 21.838 ug/l
RT: 7.244 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 41 Resp: 4454

Ion	Ratio	Lower	Upper
41	100		
39	61.2	46.6	70.0
67	88.7	74.7	112.1
52	34.2	32.2	48.4

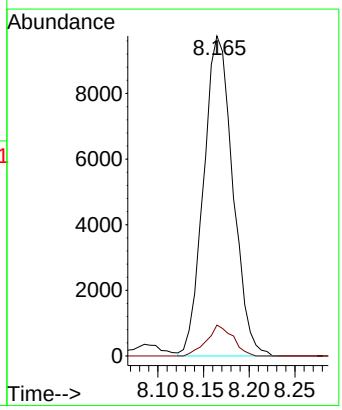


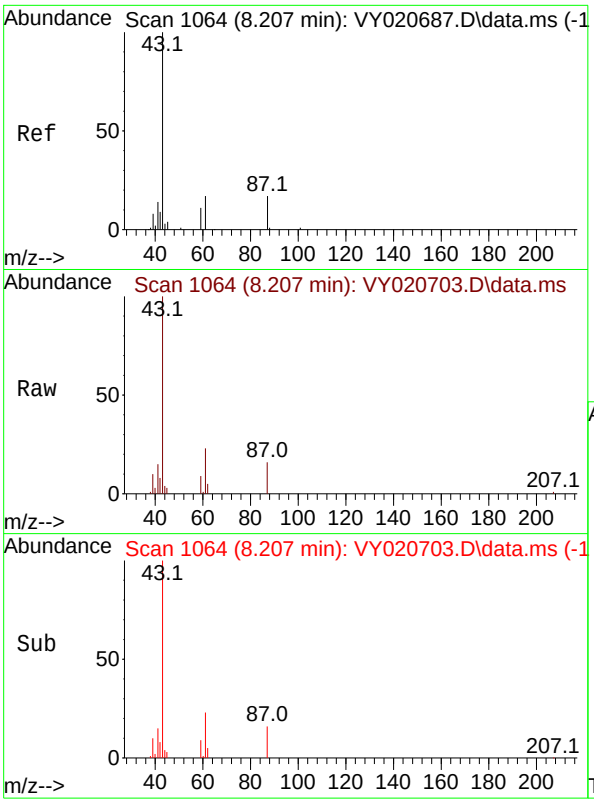


#42
1,2-Dichloroethane
Concen: 21.495 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 62 Resp: 21724

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



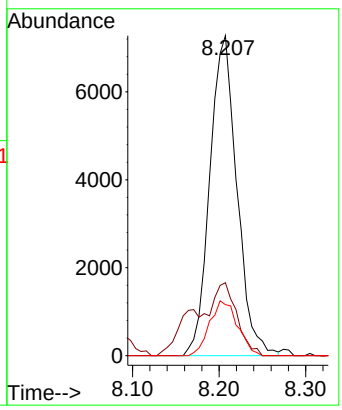


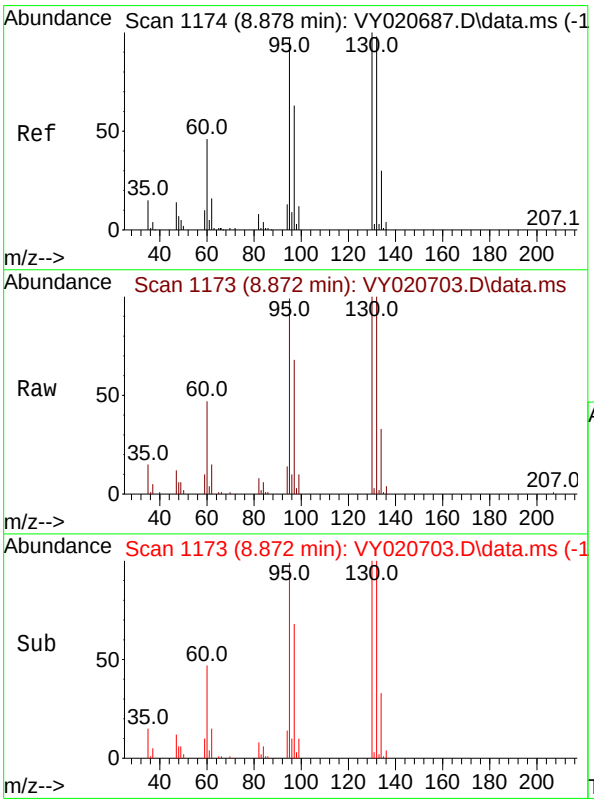
#43
Isopropyl Acetate
Concen: 21.172 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 15842

Ion	Ratio	Lower	Upper
43	100		
61	18.8	27.0	40.4#
87	17.7	14.2	21.4

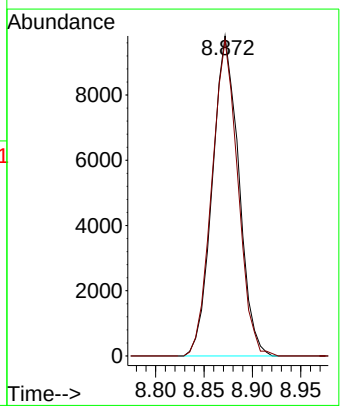


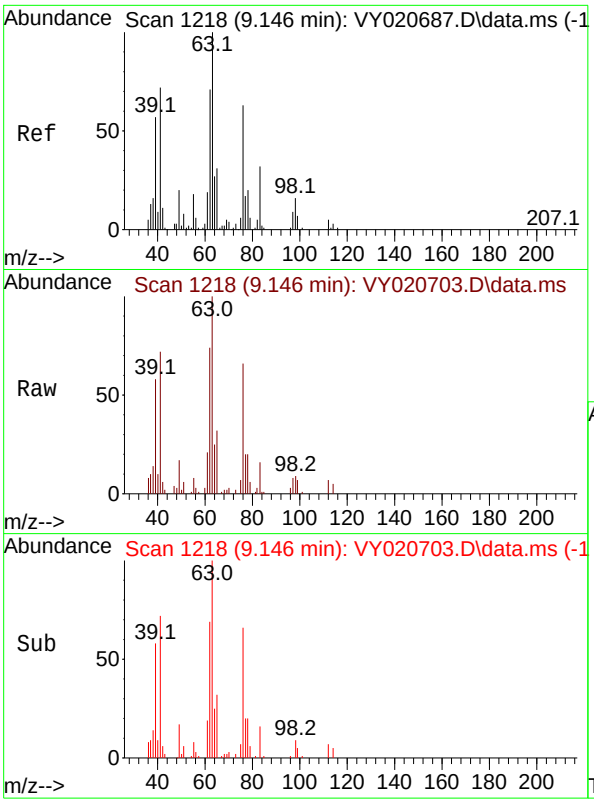


#44
Trichloroethene
Concen: 19.707 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:130 Resp: 18586

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	194.8



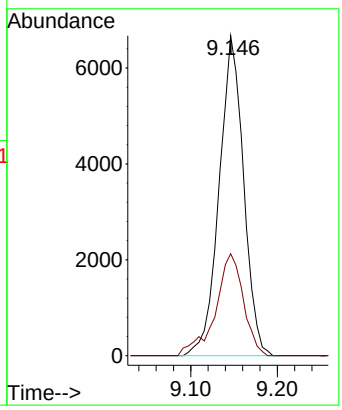


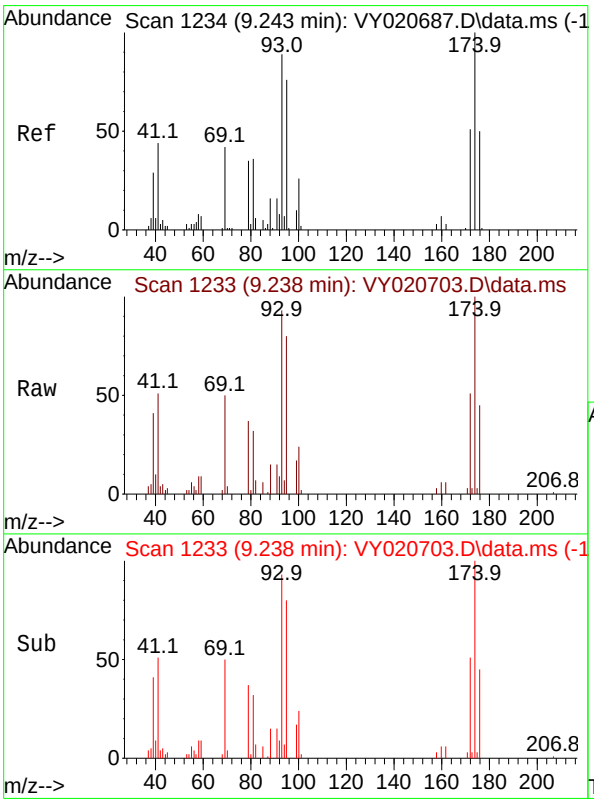
#45
1,2-Dichloropropane
Concen: 20.911 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 63 Resp: 13056

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	36.8

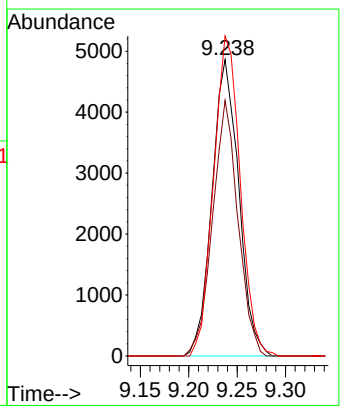


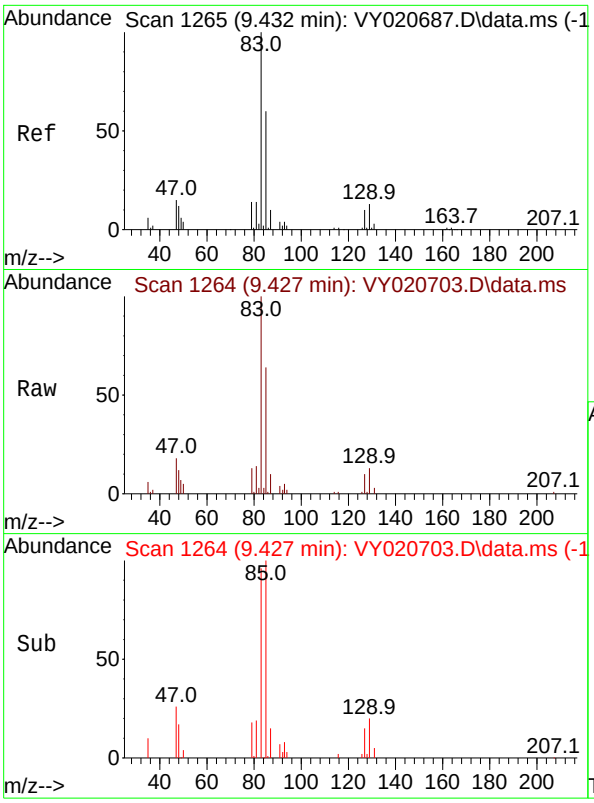


#46
Dibromomethane
Concen: 21.655 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 93 Resp: 9334

Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.8	101.8
174	107.9	89.4	134.0



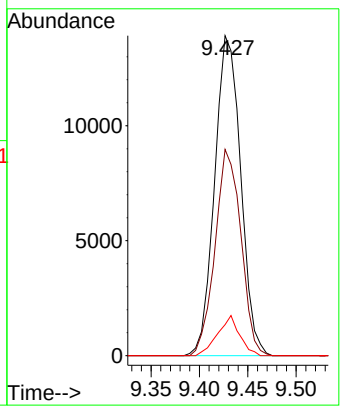


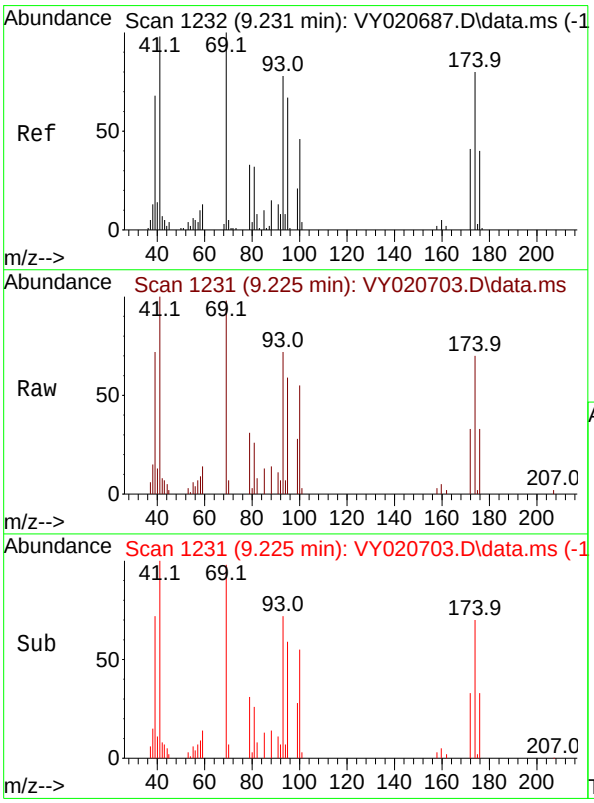
#47
Bromodichloromethane
Concen: 21.312 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 83 Resp: 26059

Ion	Ratio	Lower	Upper
83	100		
85	64.5	47.6	71.4
127	9.7	7.9	11.9

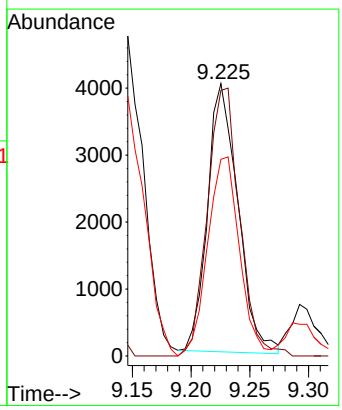


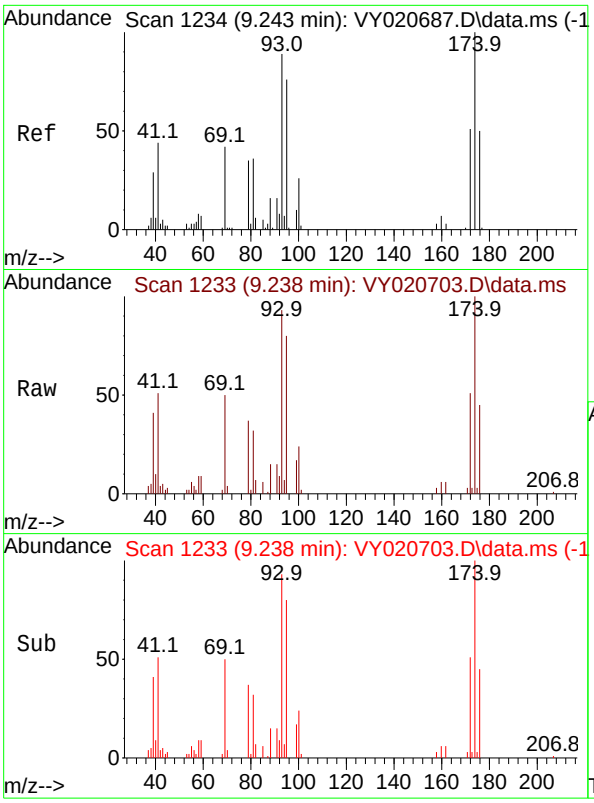


#48
Methyl methacrylate
Concen: 20.347 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 41 Resp: 7217

Ion	Ratio	Lower	Upper
41	100		
69	105.4	83.1	124.7
39	77.6	57.3	85.9



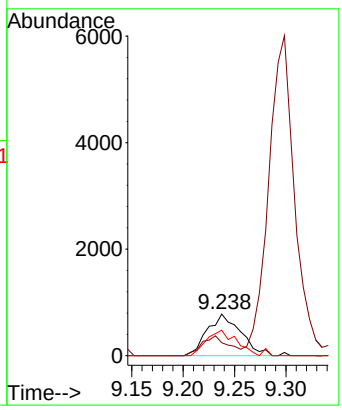


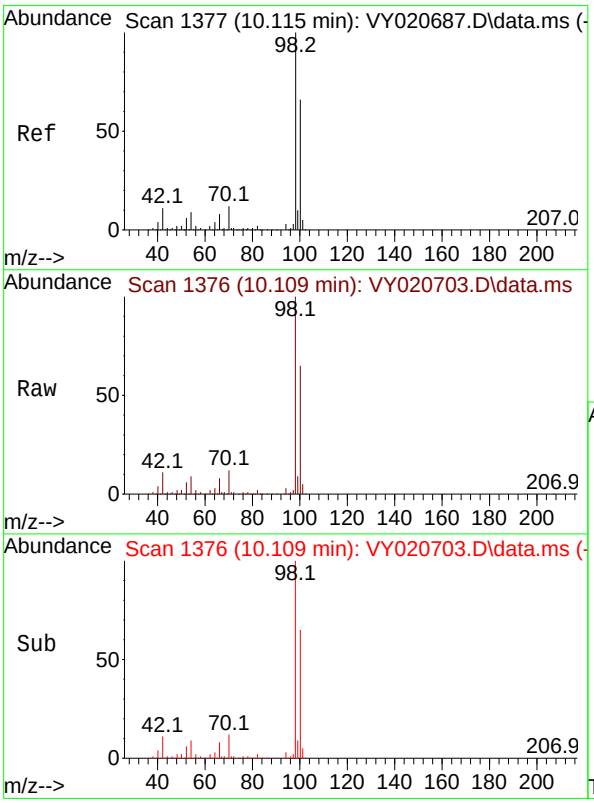
#49
1,4-Dioxane
Concen: 435.830 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 88 Resp: 1762

Ion	Ratio	Lower	Upper
88	100		
43	38.4	22.1	33.1#
58	54.5	46.7	70.1

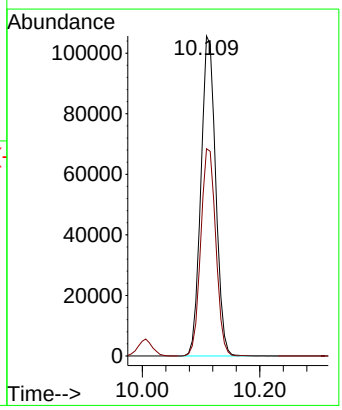


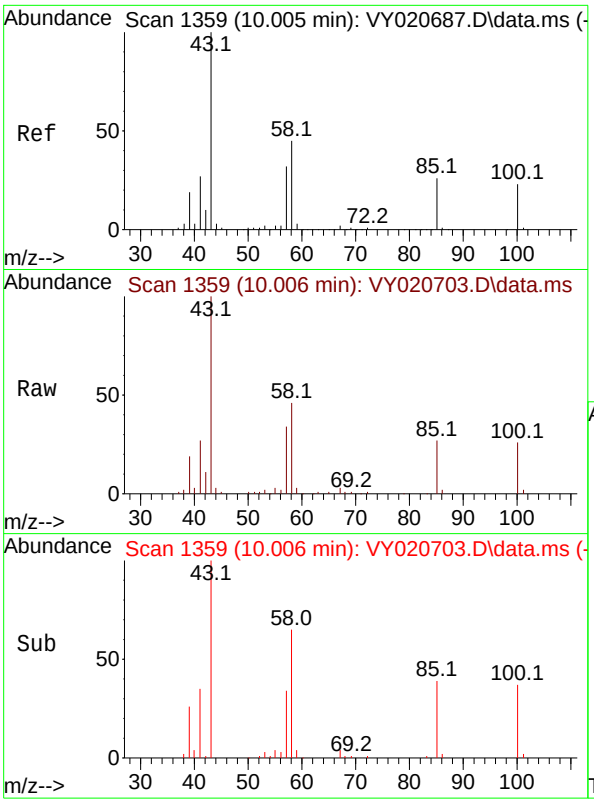


#50
Toluene-d8
Concen: 55.931 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 98 Resp: 184098

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4



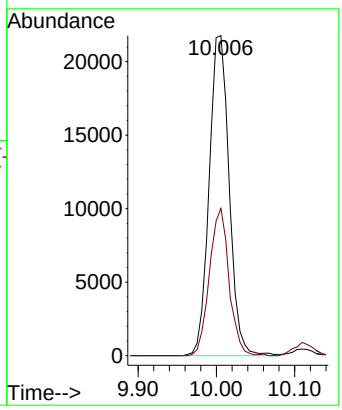


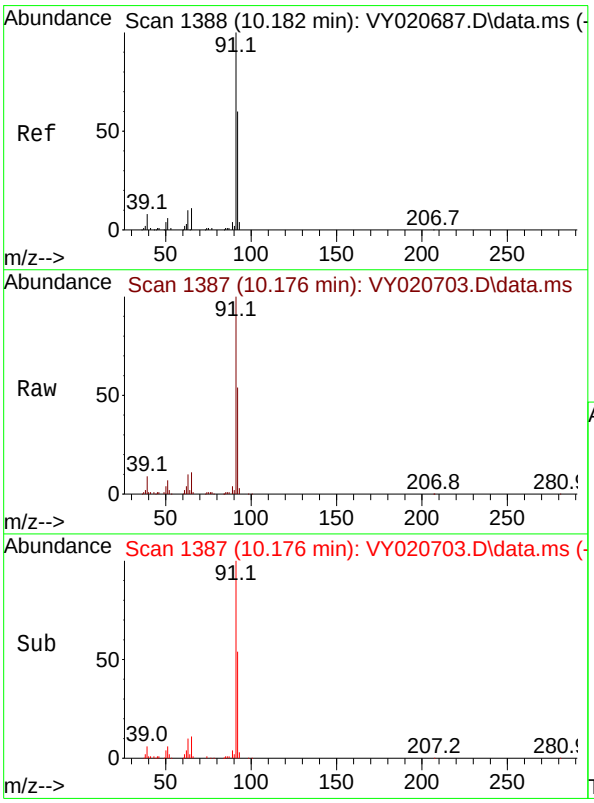
#51
4-Methyl-2-Pentanone
Concen: 103.556 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 38706

Ion	Ratio	Lower	Upper
43	100		
58	45.0	35.1	52.7

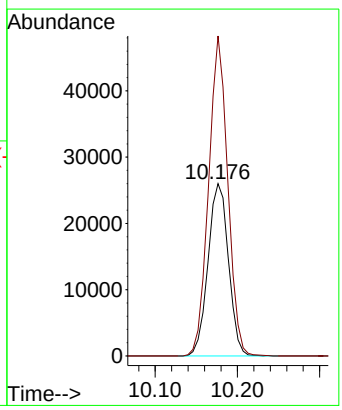


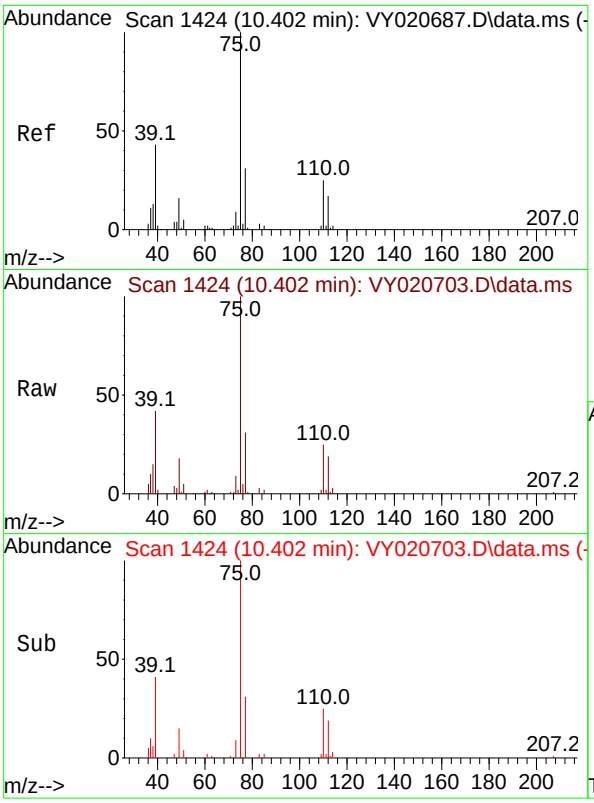


#52
Toluene
Concen: 20.709 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 92 Resp: 44815

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.7	206.5



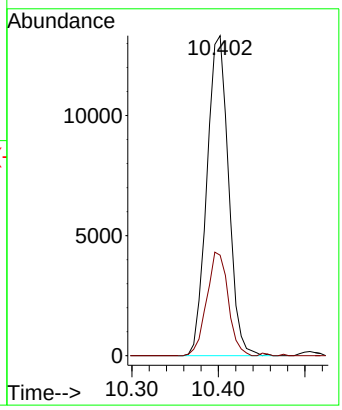


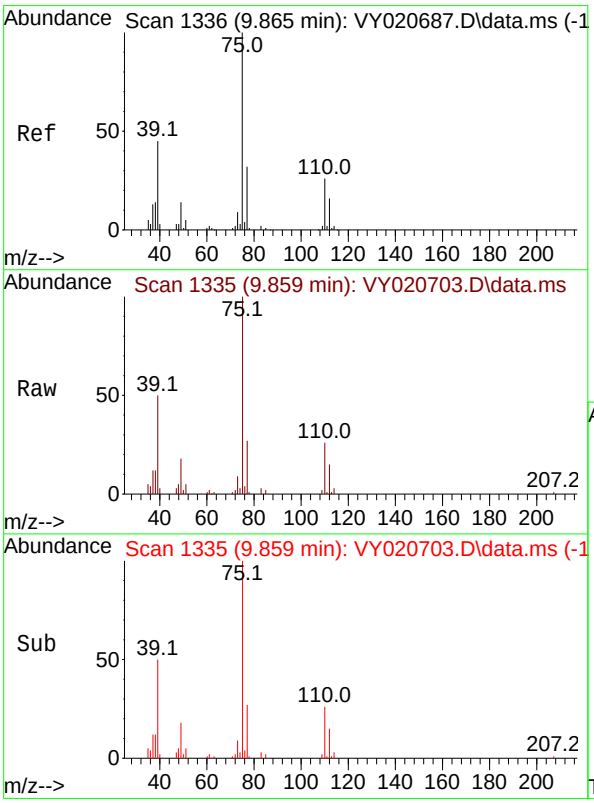
#53
t-1,3-Dichloropropene
Concen: 21.385 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 75 Resp: 23137

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

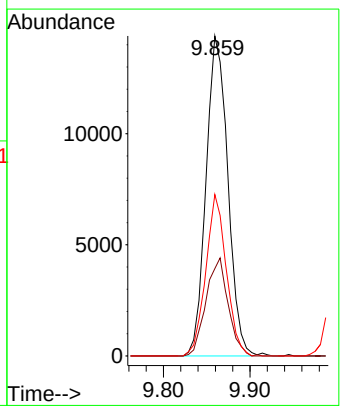


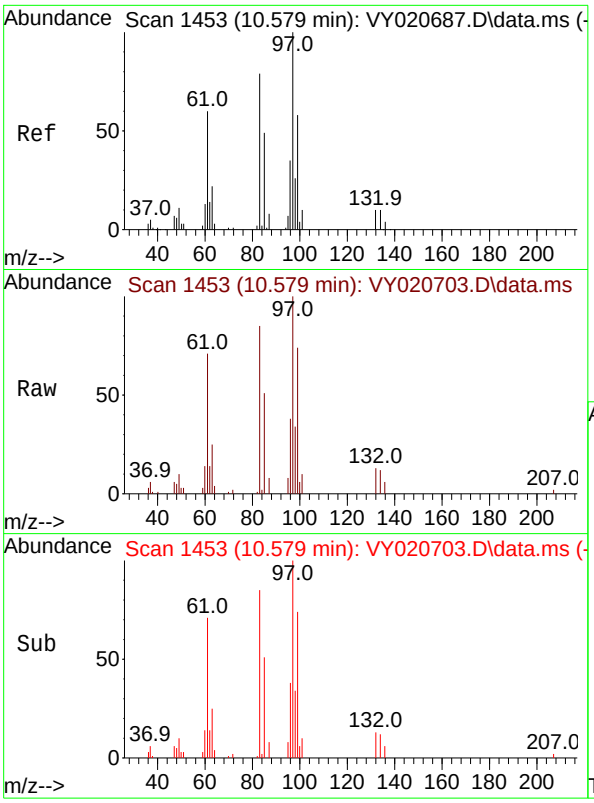


#54
cis-1,3-Dichloropropene
Concen: 21.119 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 25177

Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.6	38.4
39	50.4	36.2	54.2



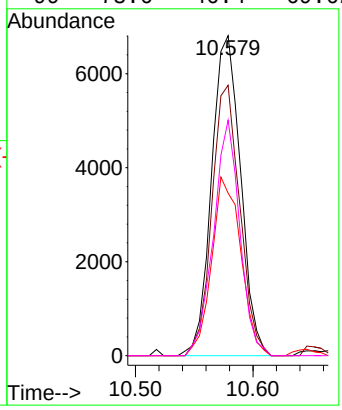


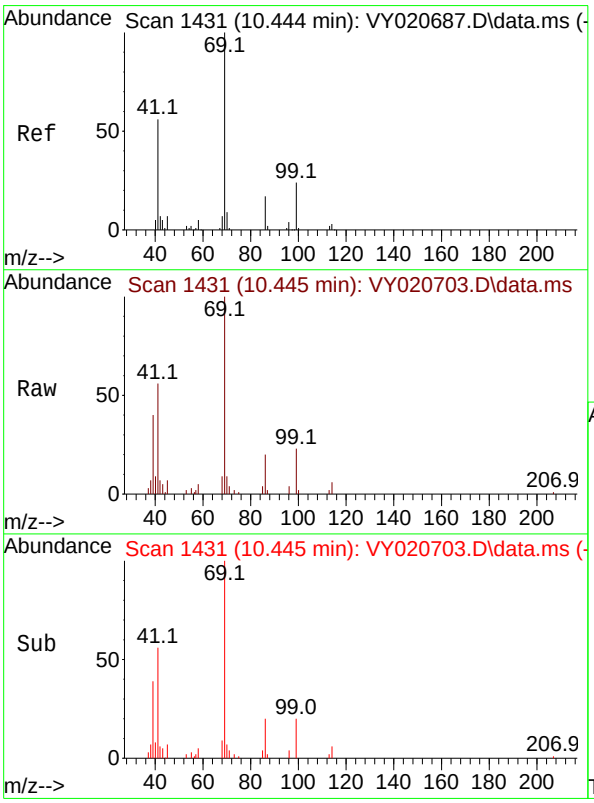
#55
1,1,2-Trichloroethane
Concen: 20.931 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 97 Resp: 11682

Ion	Ratio	Lower	Upper
97	100		
83	84.5	63.1	94.7
85	50.8	39.5	59.3
99	73.6	46.4	69.6#

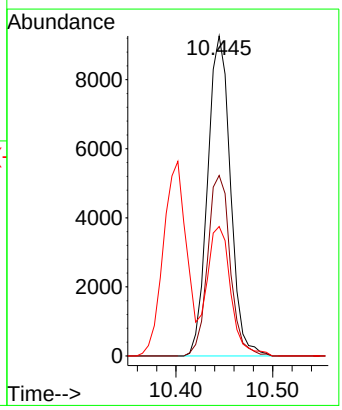


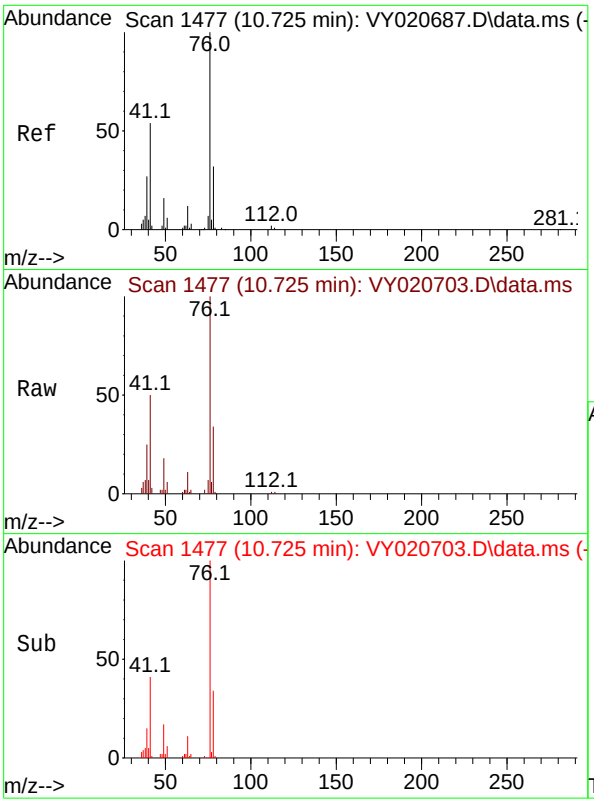


#56
Ethyl methacrylate
Concen: 21.301 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 69 Resp: 15165

Ion	Ratio	Lower	Upper
69	100		
41	56.1	43.8	65.6
39	42.5	32.0	48.0



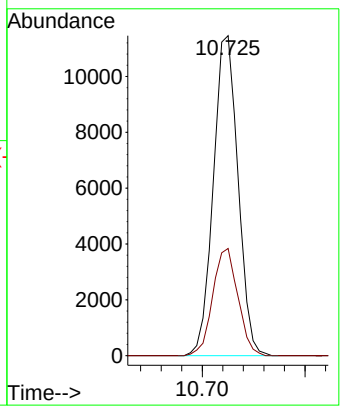


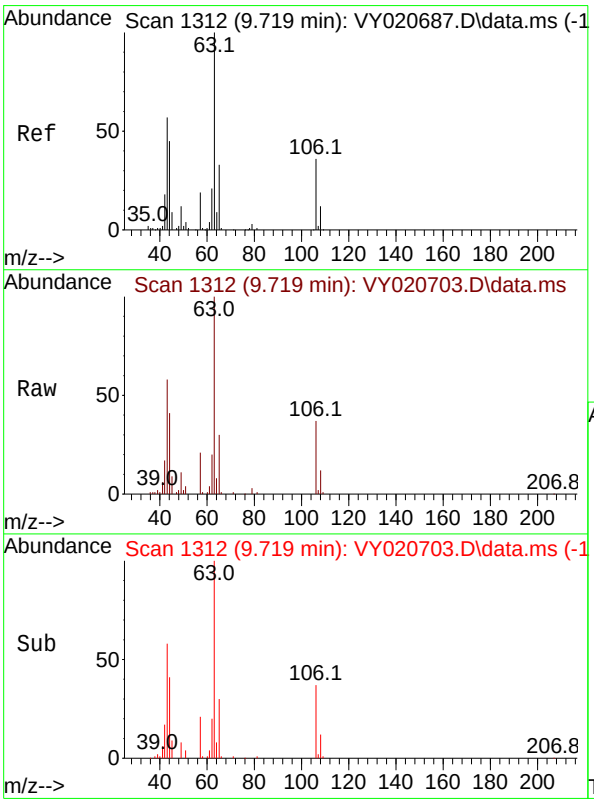
#57
1,3-Dichloropropane
Concen: 20.893 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 76 Resp: 19061

Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.0	37.6

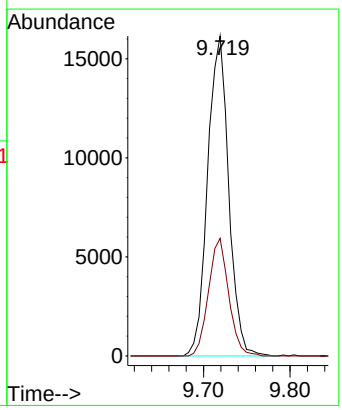


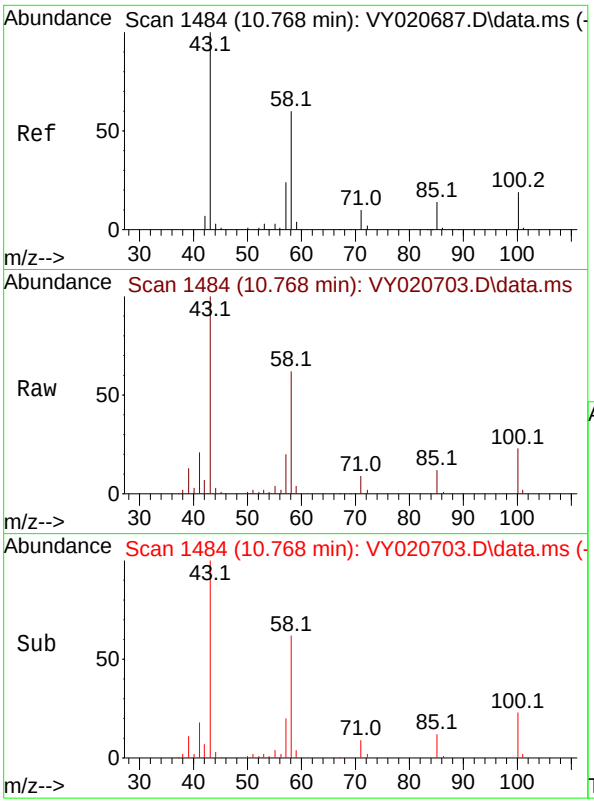


#58
2-Chloroethyl Vinyl ether
Concen: 102.437 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 63 Resp: 27253

Ion	Ratio	Lower	Upper
63	100		
106	35.3	29.1	43.7



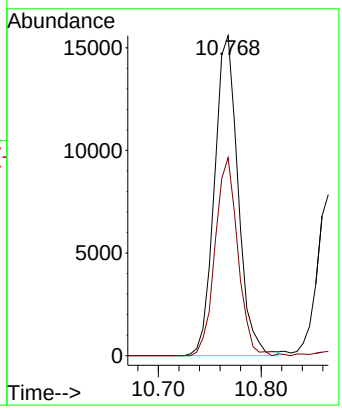


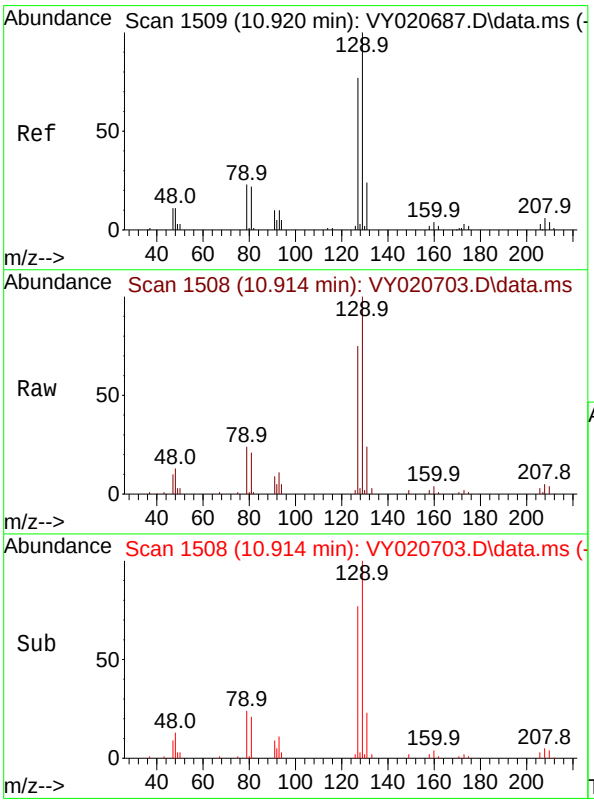
#59
2-Hexanone
Concen: 104.066 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 43 Resp: 24776

Ion	Ratio	Lower	Upper
43	100		
58	59.6	30.1	90.5

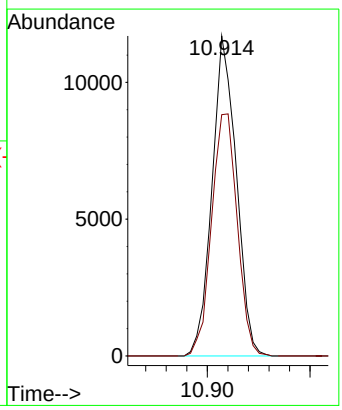


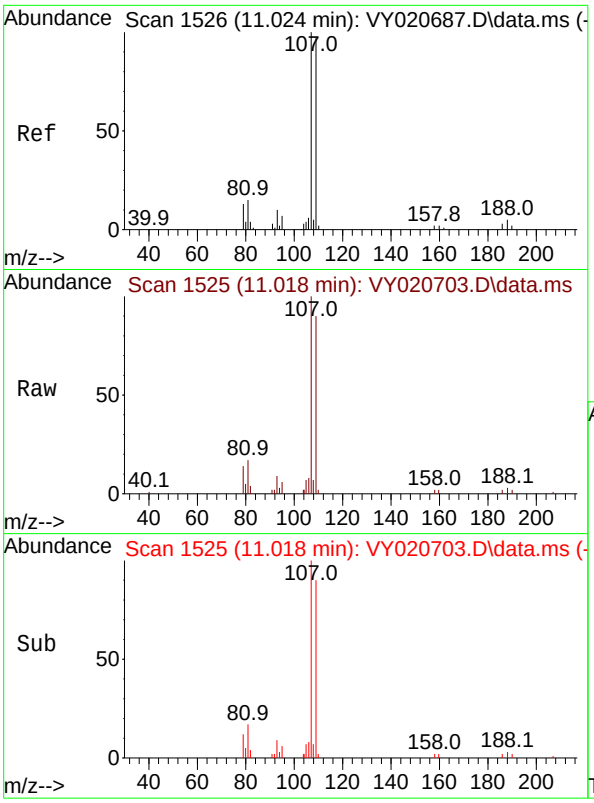


#60
Dibromochloromethane
Concen: 21.495 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:129 Resp: 19154

Ion	Ratio	Lower	Upper
129	100		
127	80.0	38.5	115.5



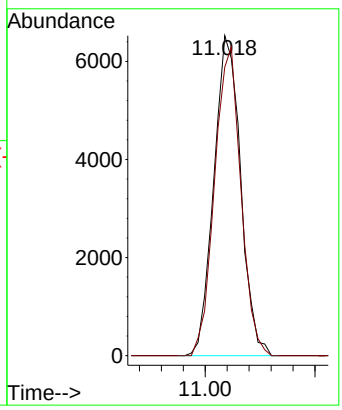


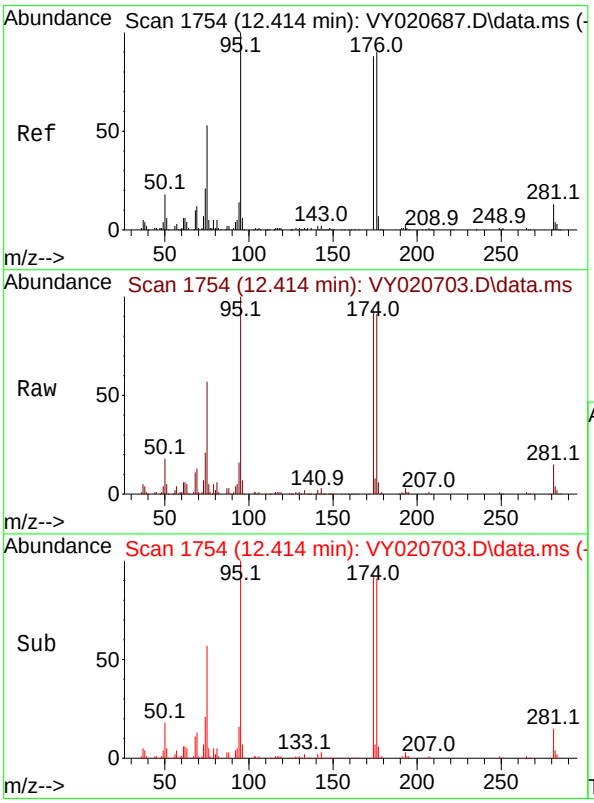
#61
1,2-Dibromoethane
Concen: 21.127 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:107 Resp: 11054

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.5	113.3

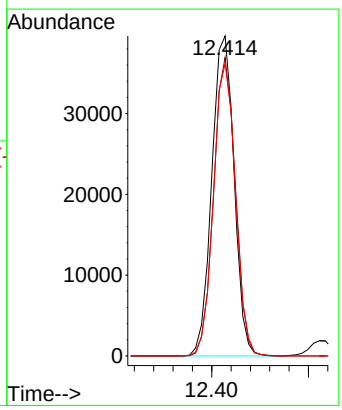


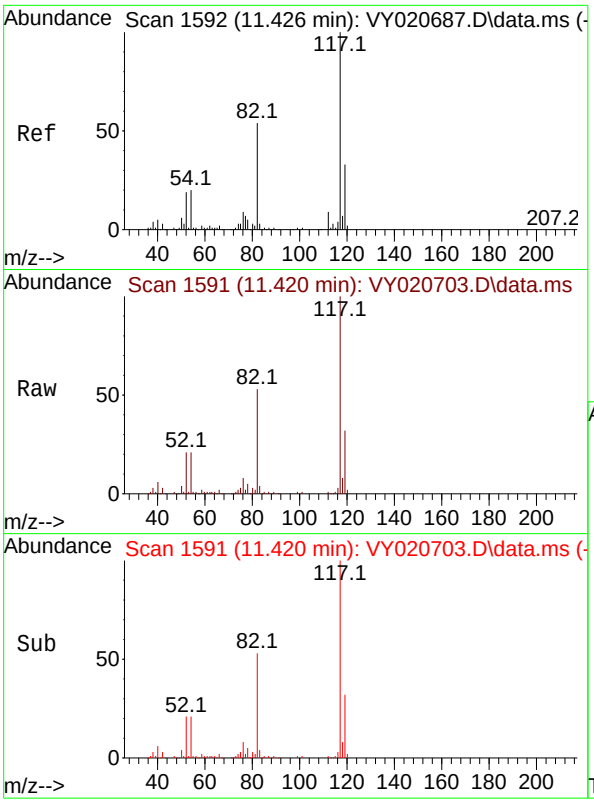


#62
4-Bromofluorobenzene
Concen: 52.934 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 95 Resp: 63417

Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.2
176	90.1	0.0	179.8



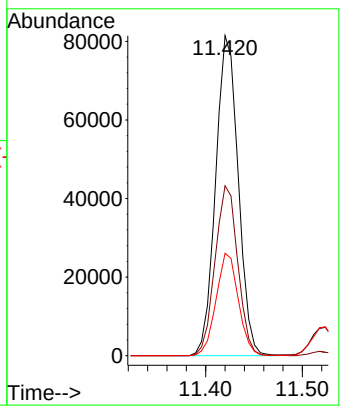


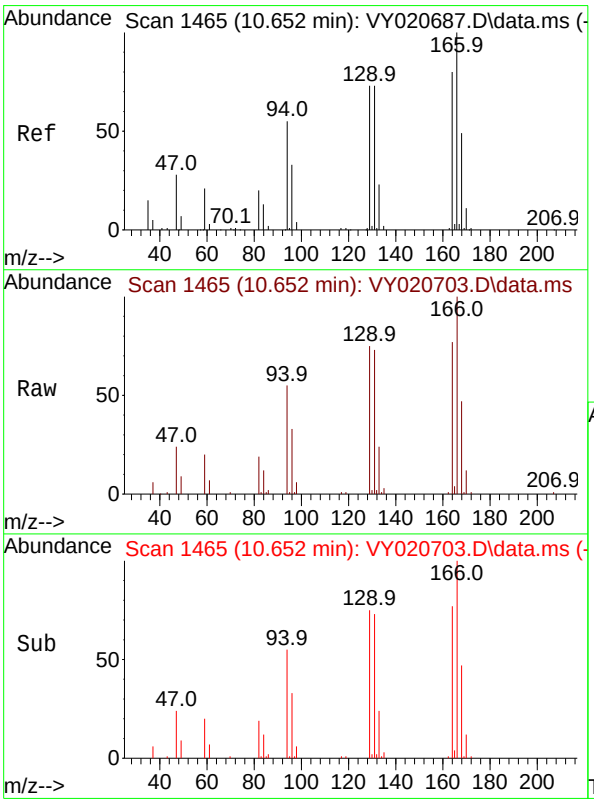
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:117 Resp: 131930

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.2
119	32.0	26.6	39.8

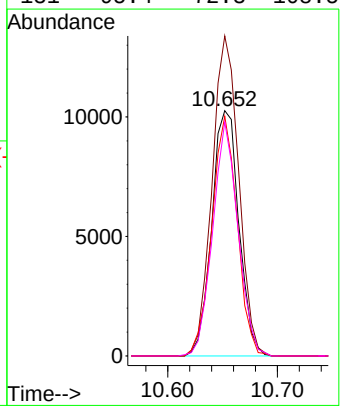


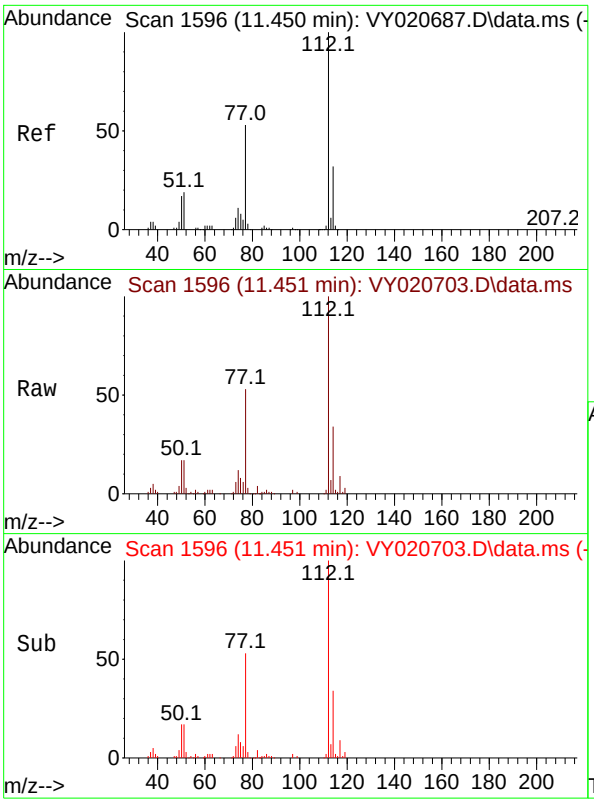


#64
Tetrachloroethene
Concen: 20.081 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:164 Resp: 17595

Ion	Ratio	Lower	Upper
164	100		
166	130.5	99.6	149.4
129	97.7	73.0	109.4
131	95.4	72.3	108.5



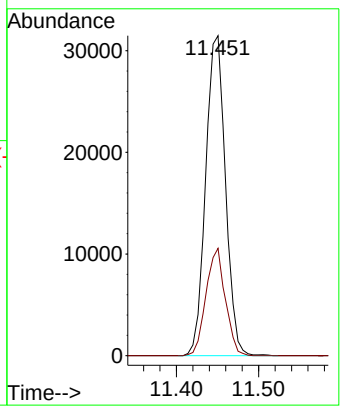


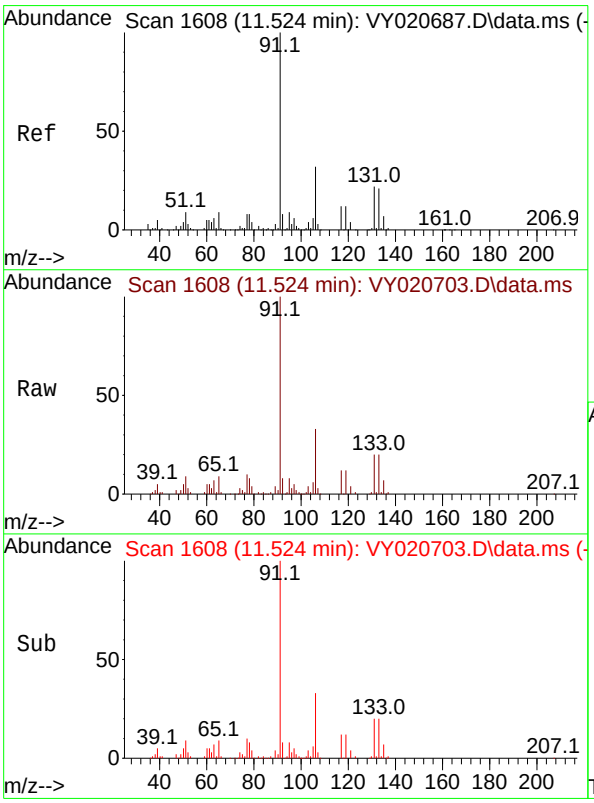
#65
Chlorobenzene
Concen: 21.338 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:112 Resp: 52606

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.0

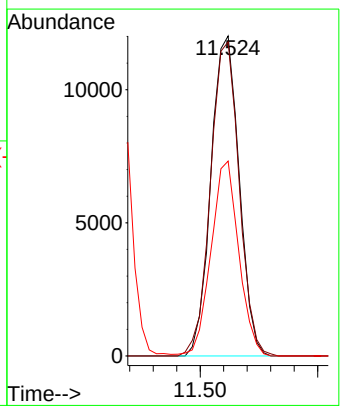


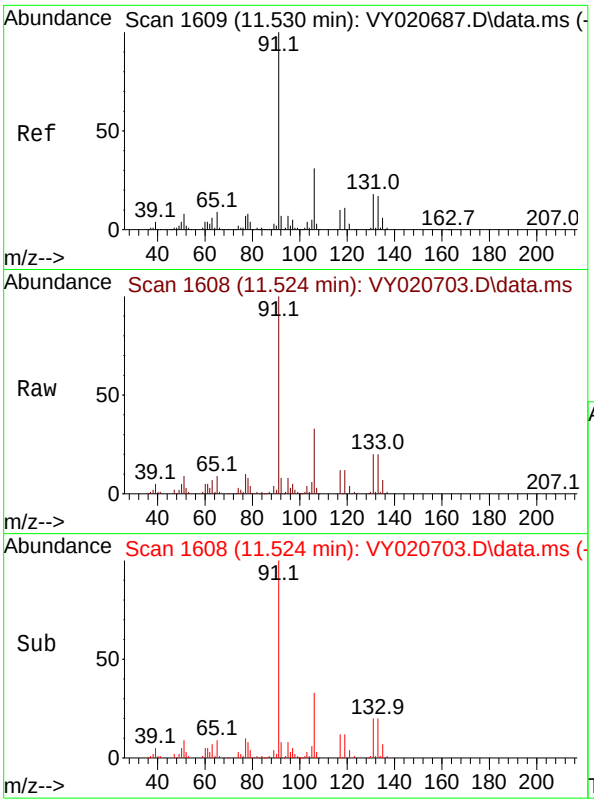


#66
1,1,1,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:131 Resp: 20004

Ion	Ratio	Lower	Upper
131	100		
133	99.8	48.6	145.9
119	60.1	28.4	85.3



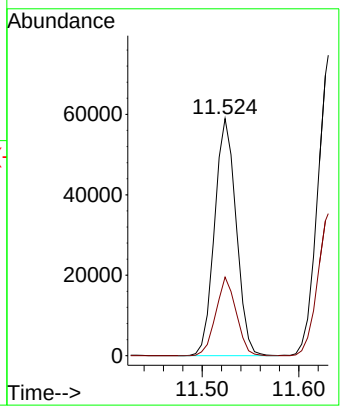


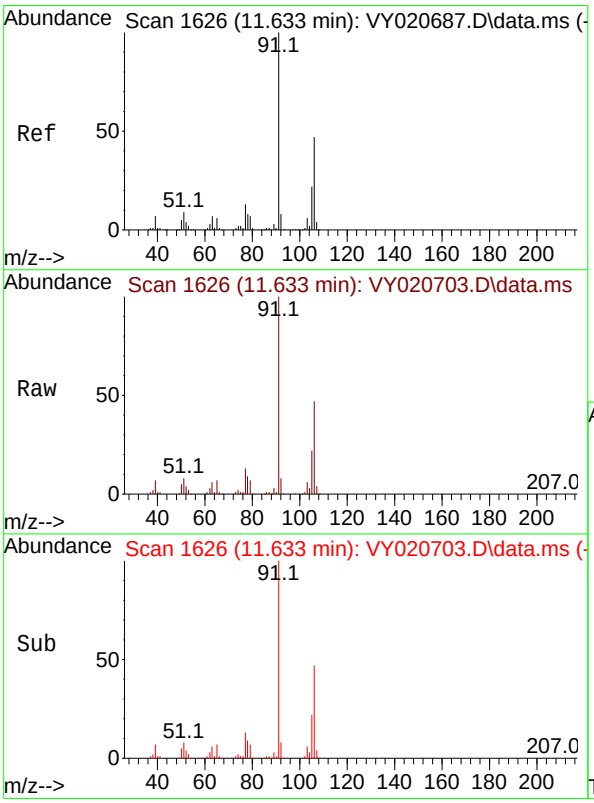
#67
Ethyl Benzene
Concen: 20.628 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 91 Resp: 91241

Ion	Ratio	Lower	Upper
91	100		
106	33.2	24.5	36.7

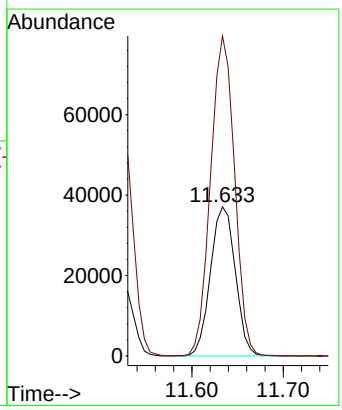


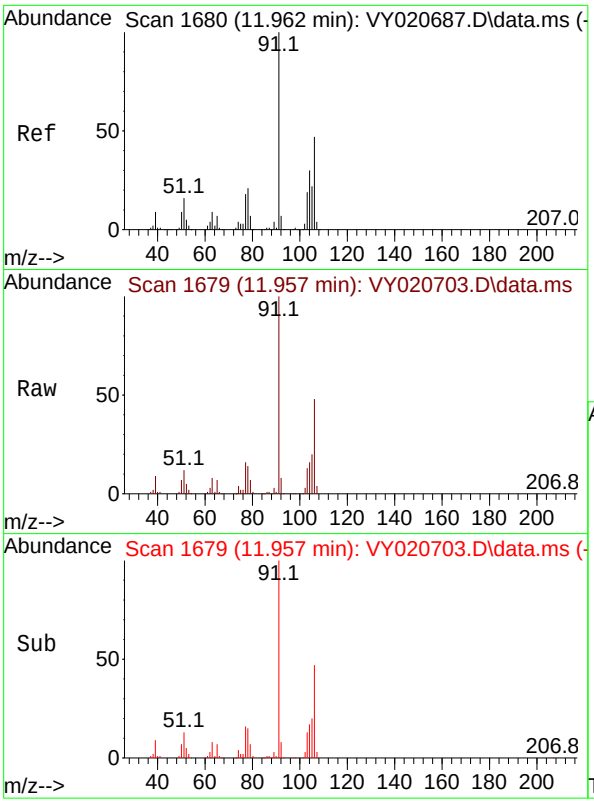


#68
m/p-Xylenes
Concen: 41.477 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:106 Resp: 69958

Ion	Ratio	Lower	Upper
106	100		
91	207.7	166.6	250.0



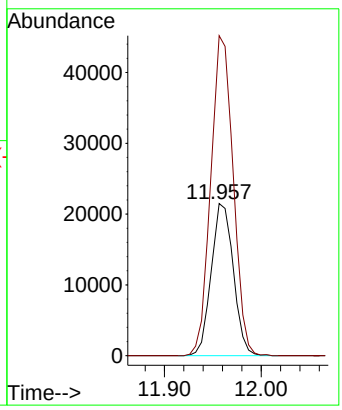


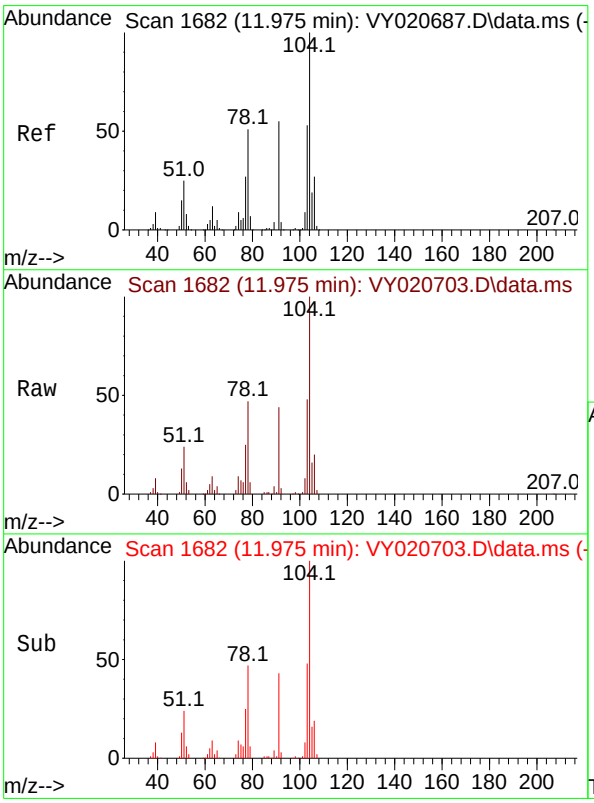
#69
o-Xylene
Concen: 21.509 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:106 Resp: 34079

Ion	Ratio	Lower	Upper
106	100		
91	213.4	108.6	325.8

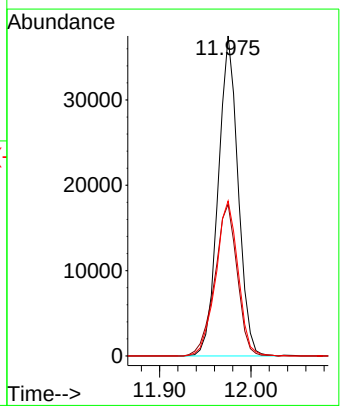


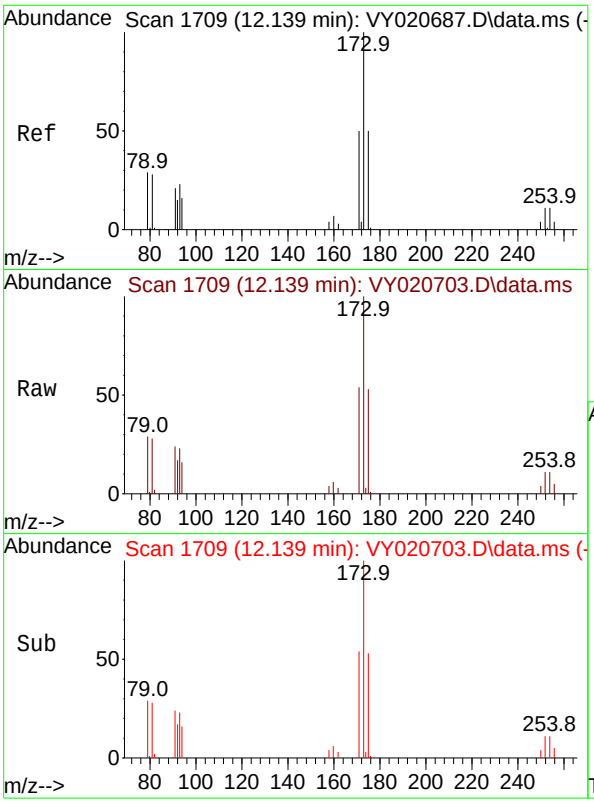


#70
Styrene
Concen: 21.300 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:104 Resp: 56763

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.0	64.4
103	54.1	44.4	66.6



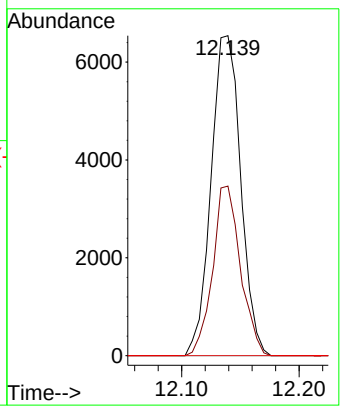


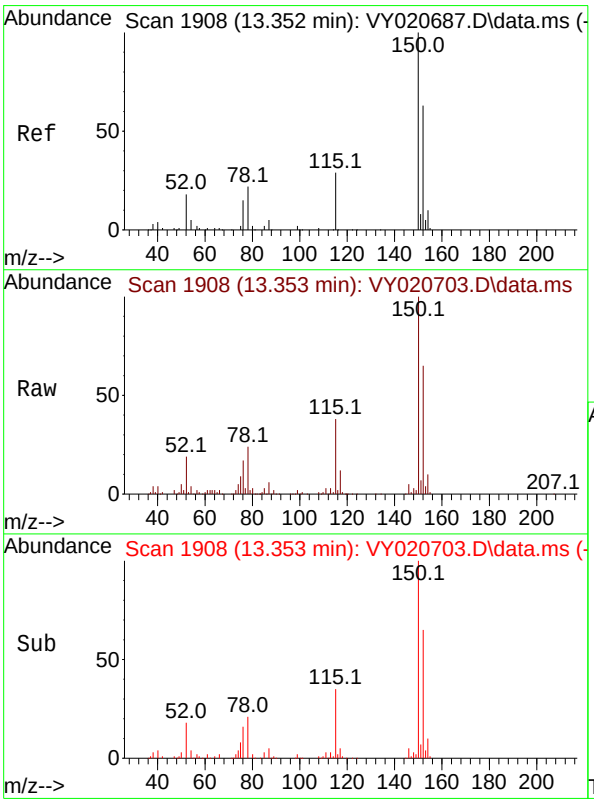
#71
Bromoform
Concen: 20.784 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:173 Resp: 11461

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.2	72.6
254	0.0	0.0	0.0

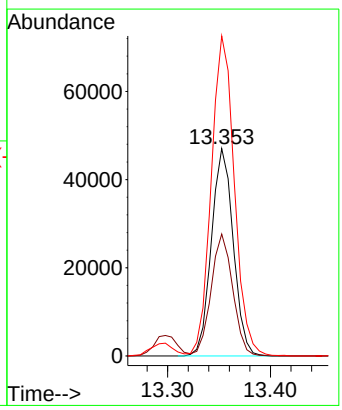


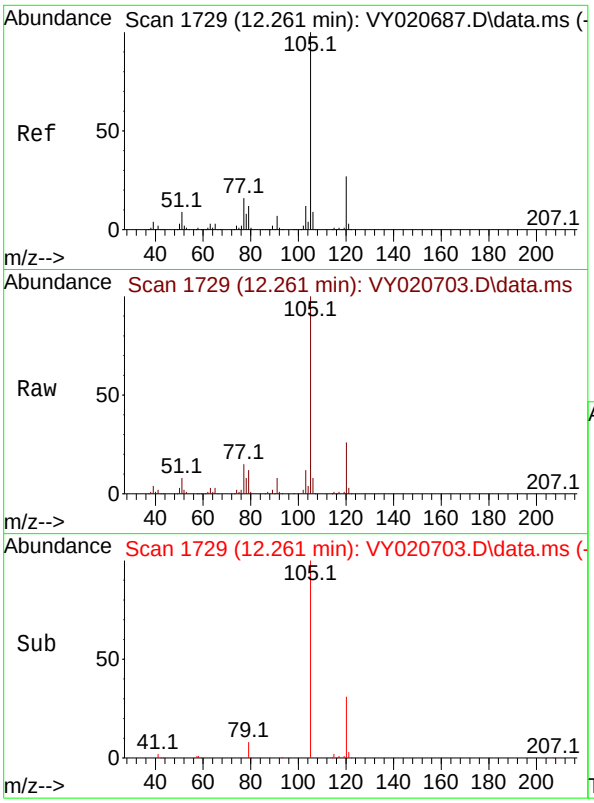


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:152 Resp: 69344

Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	163.4	0.0	349.0



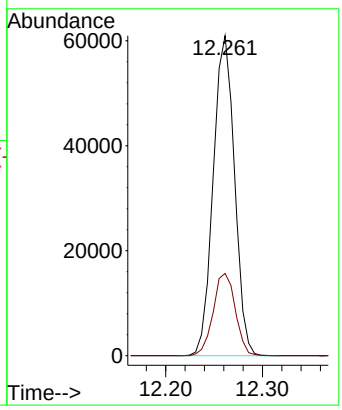


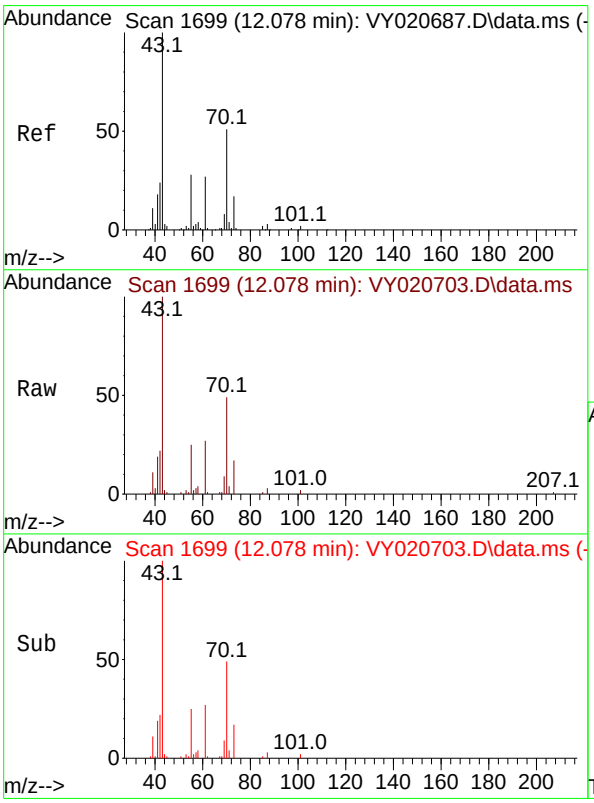
#73
Isopropylbenzene
Concen: 19.757 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:105 Resp: 93189

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

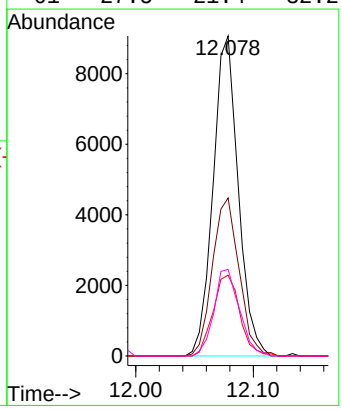


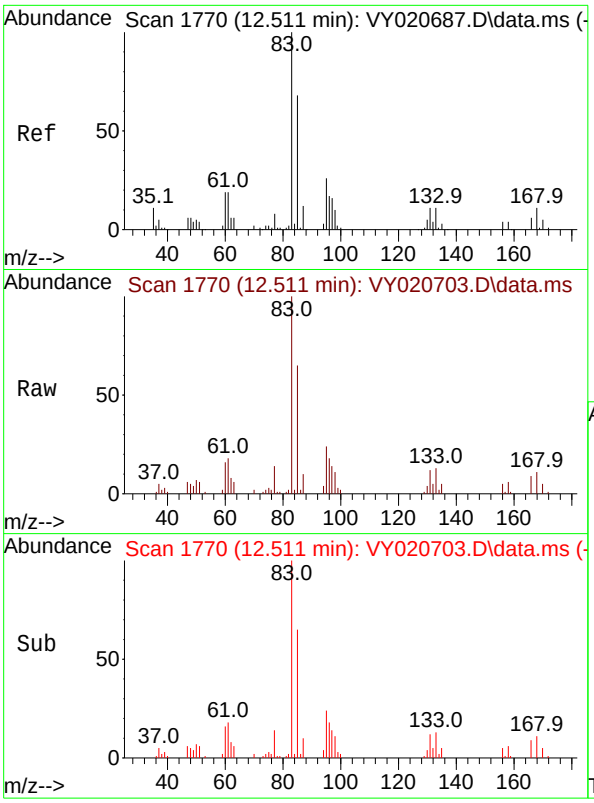


#74
N-amyl acetate
Concen: 20.358 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 43 Resp: 13493

Ion	Ratio	Lower	Upper
43	100		
70	52.3	39.7	59.5
55	26.8	21.5	32.3
61	27.5	21.4	32.2



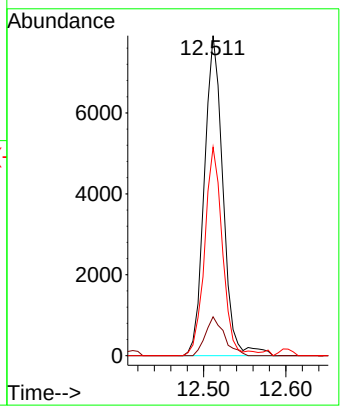


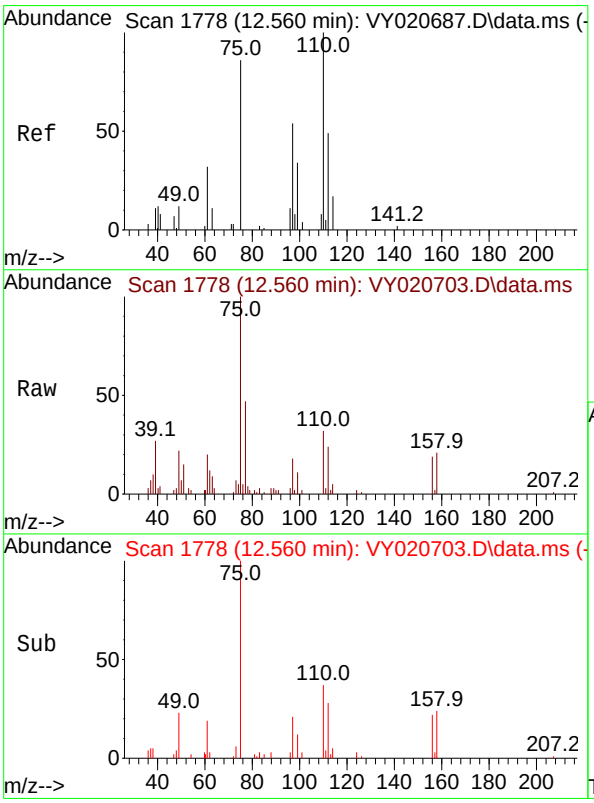
#75
1,1,2,2-Tetrachloroethane
Concen: 20.545 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 83 Resp: 12470

Ion	Ratio	Lower	Upper
83	100		
131	12.3	6.9	20.7
85	63.0	32.5	97.4

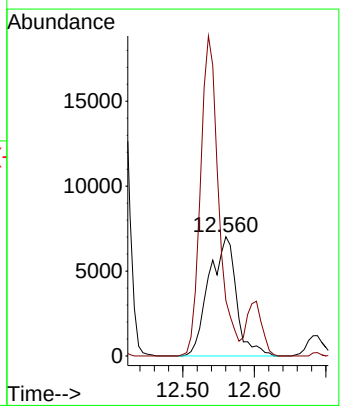


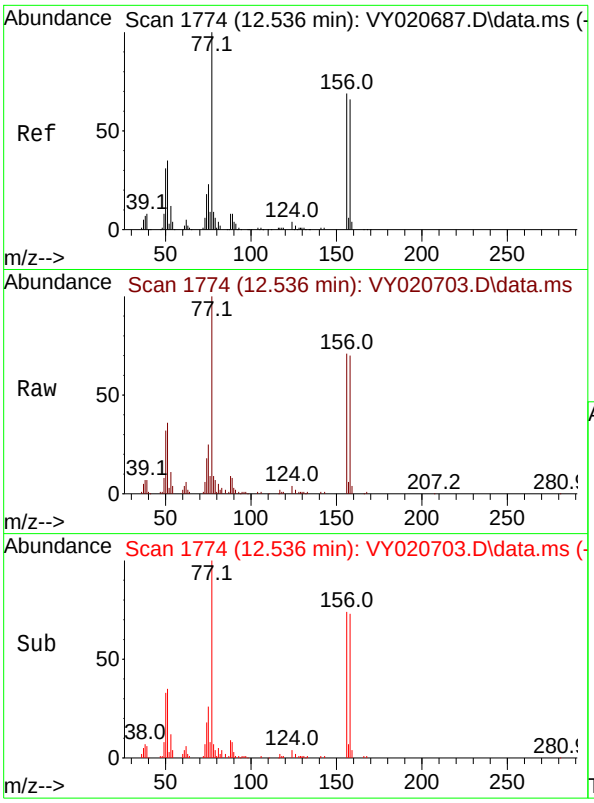


#76
1,2,3-Trichloropropane
Concen: 39.036 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 18668

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



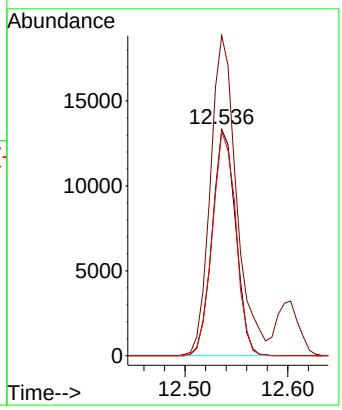


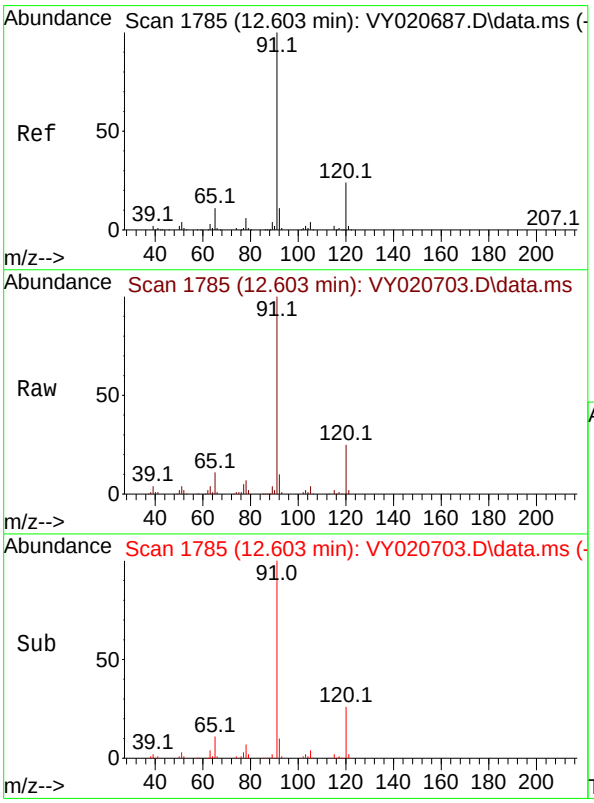
#77
Bromobenzene
Concen: 19.737 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:156 Resp: 21199

Ion	Ratio	Lower	Upper
156	100		
77	157.3	78.3	235.0
158	99.1	48.3	144.9

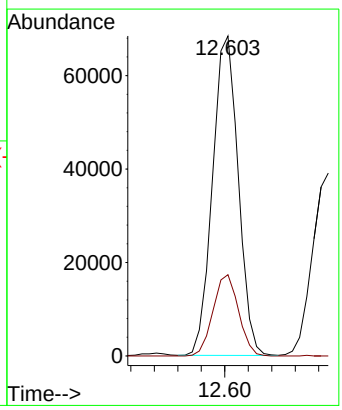


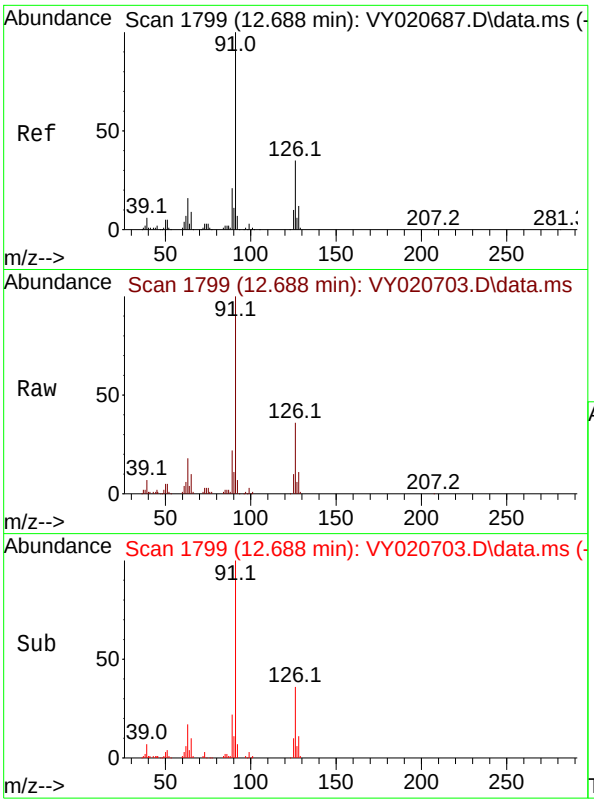


#78
n-propylbenzene
Concen: 19.548 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 103950

Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.8



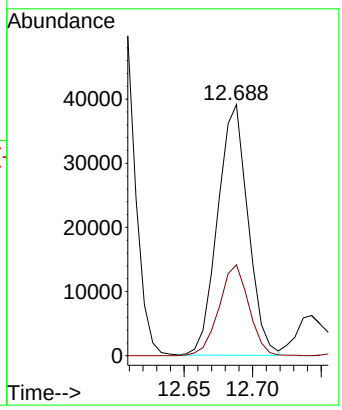


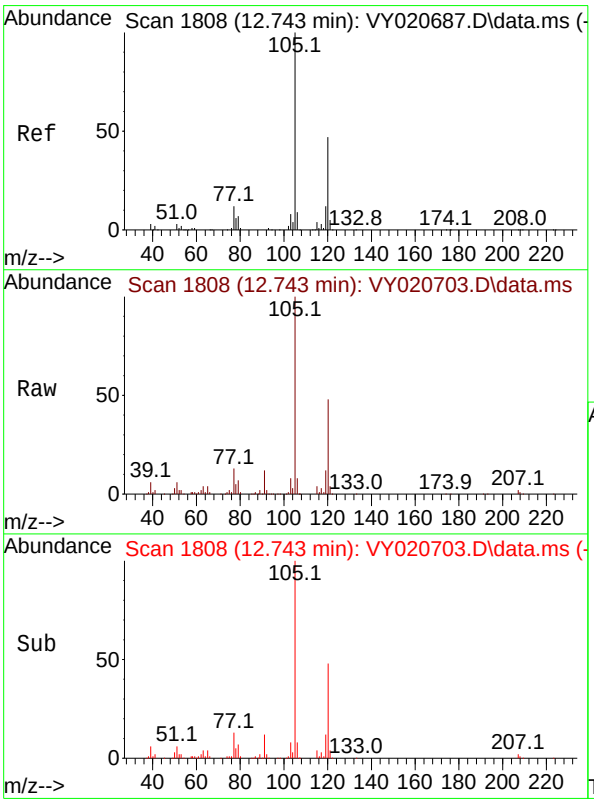
#79
2-Chlorotoluene
Concen: 19.932 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 91 Resp: 60340

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3

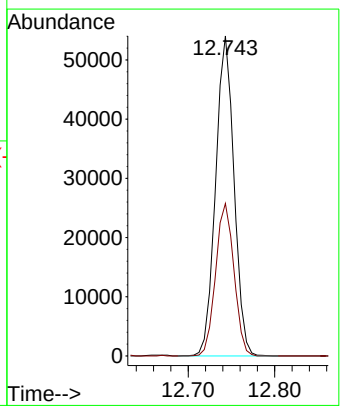


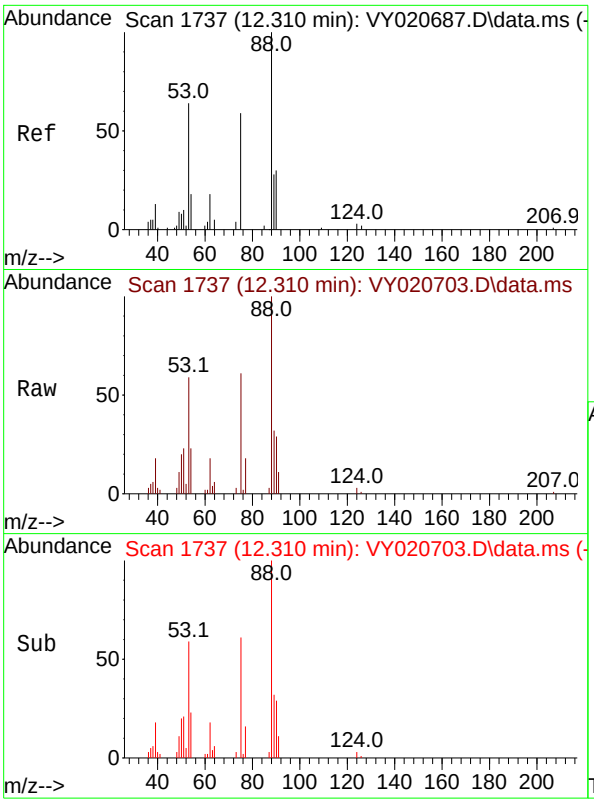


#80
1,3,5-Trimethylbenzene
Concen: 20.379 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 79726

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



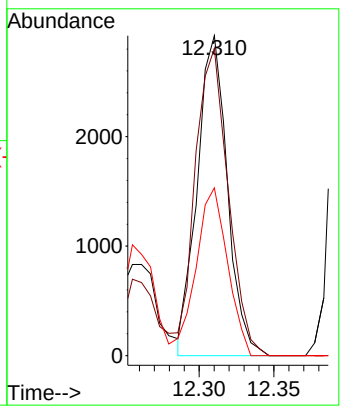


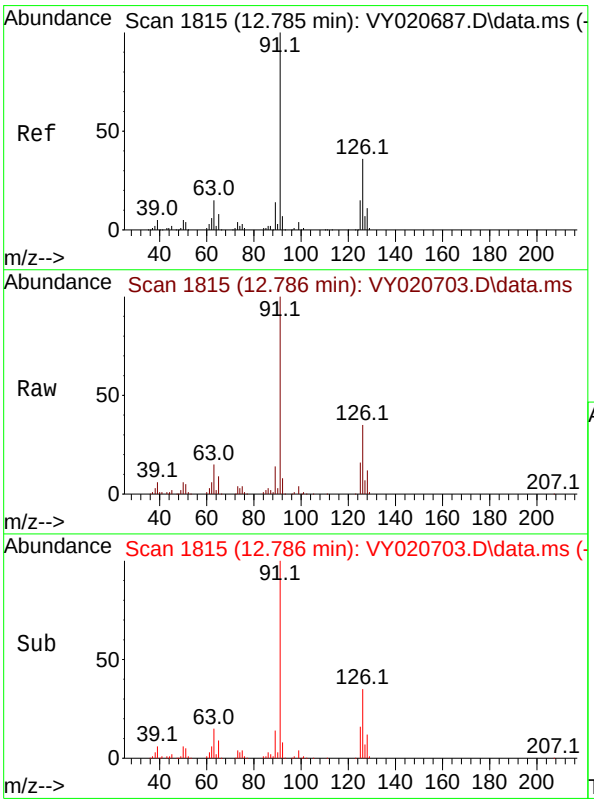
#81
trans-1,4-Dichloro-2-butene
Concen: 18.628 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 75 Resp: 4098

Ion	Ratio	Lower	Upper
75	100		
53	105.6	83.1	124.7
89	54.9	40.6	61.0

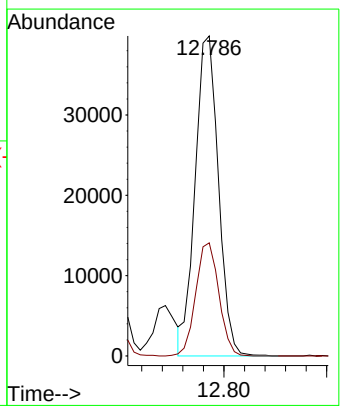


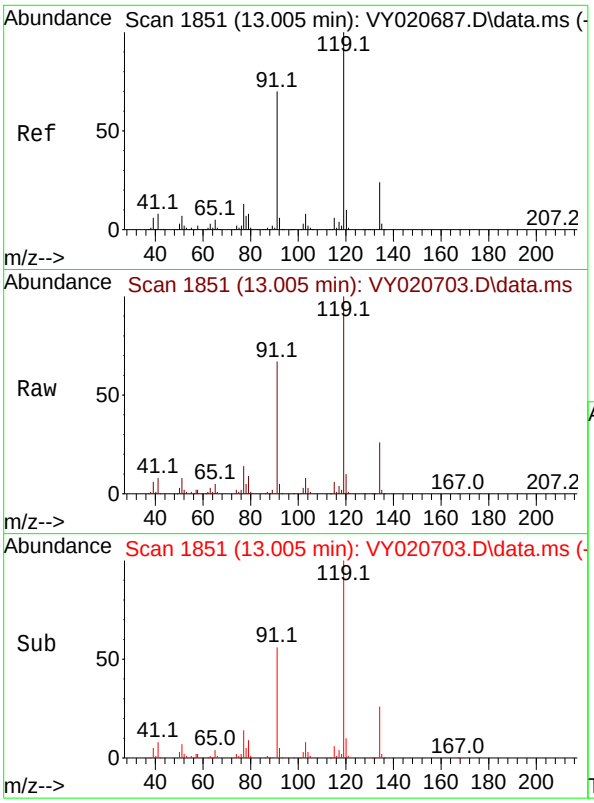


#82
4-Chlorotoluene
Concen: 20.303 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 91 Resp: 62684

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5



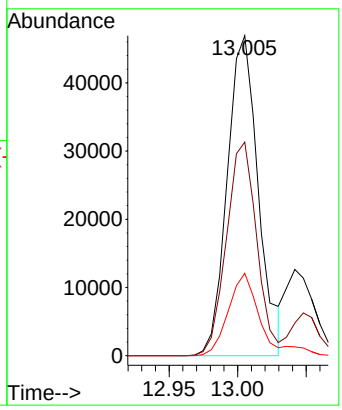


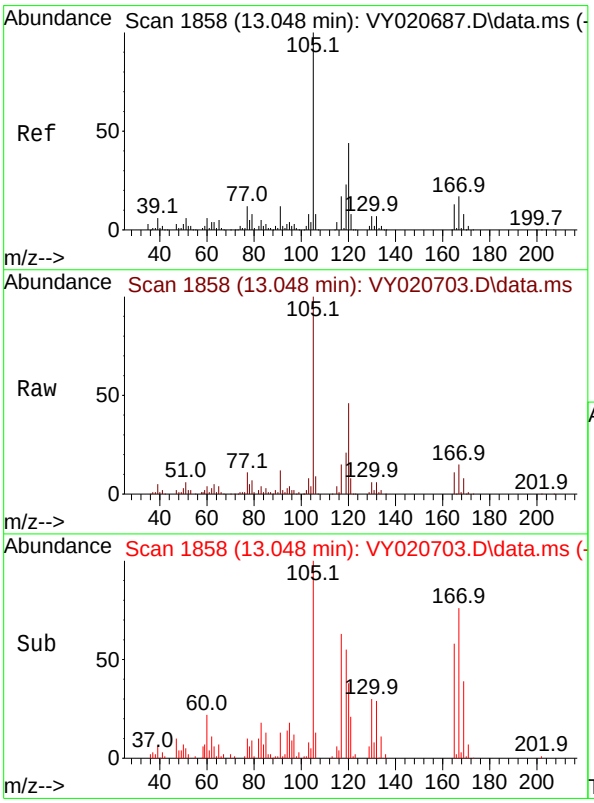
#83
tert-Butylbenzene
Concen: 20.332 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:119 Resp: 74013

Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.6	100.8
134	26.6	13.4	40.2

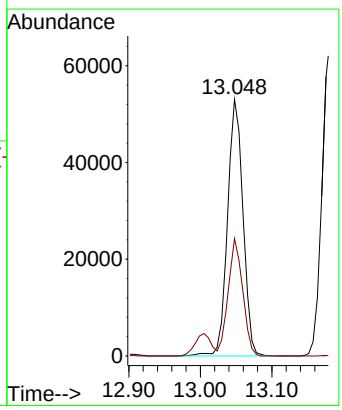


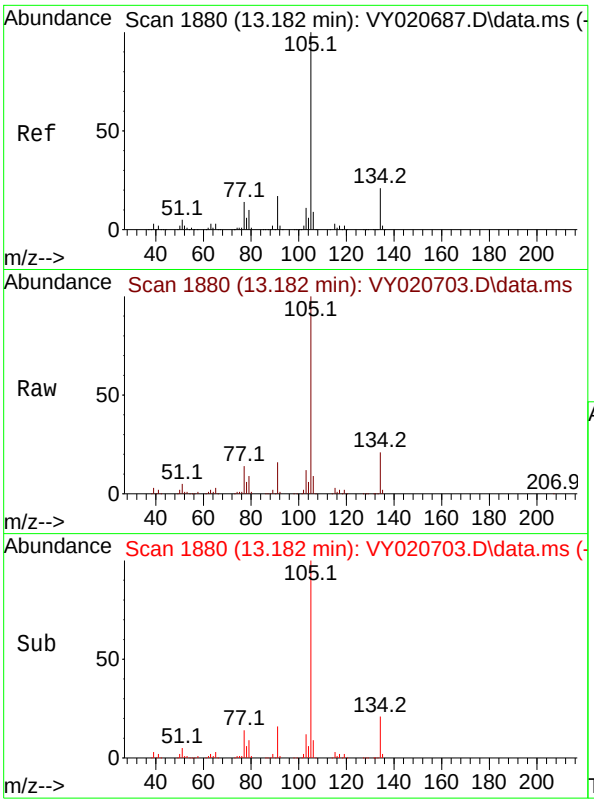


#84
1,2,4-Trimethylbenzene
Concen: 20.842 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:105 Resp: 79650

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.8	65.3



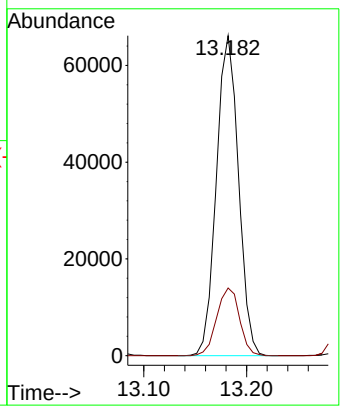


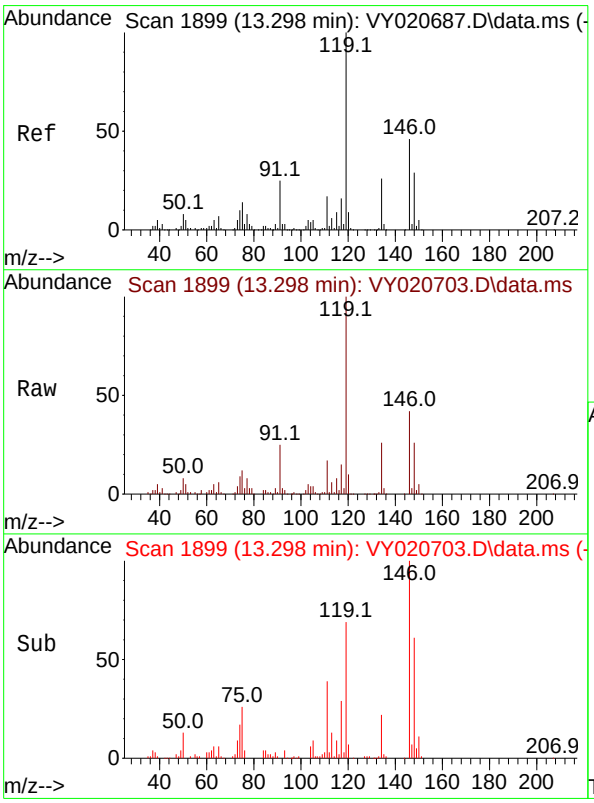
#85
sec-Butylbenzene
Concen: 20.123 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:105 Resp: 98630

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1

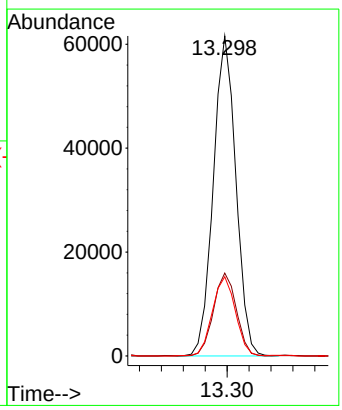


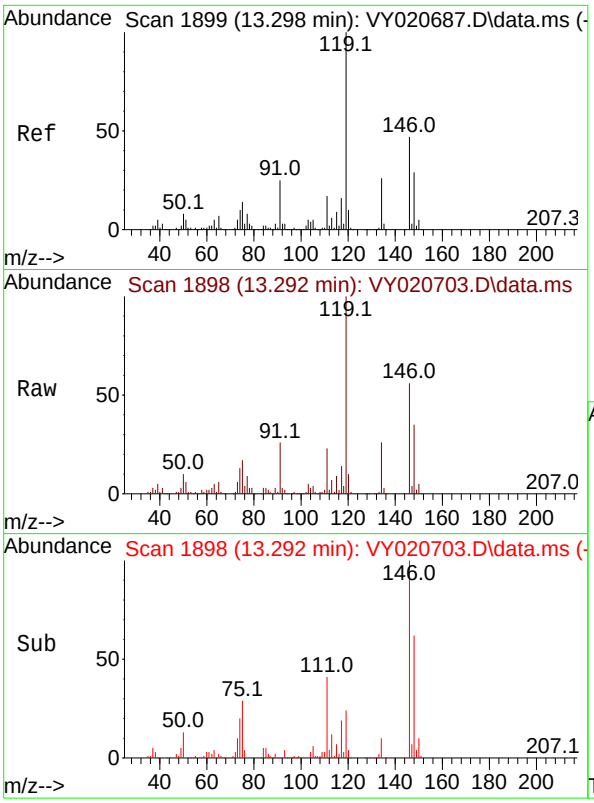


#86
p-Isopropyltoluene
Concen: 20.575 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:119 Resp: 88167

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.3	12.9	38.6



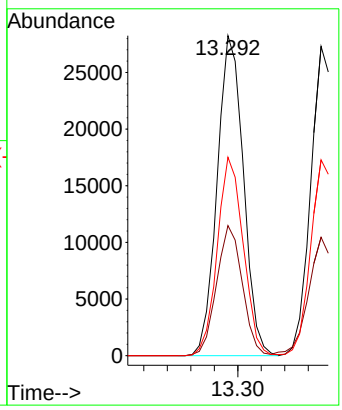


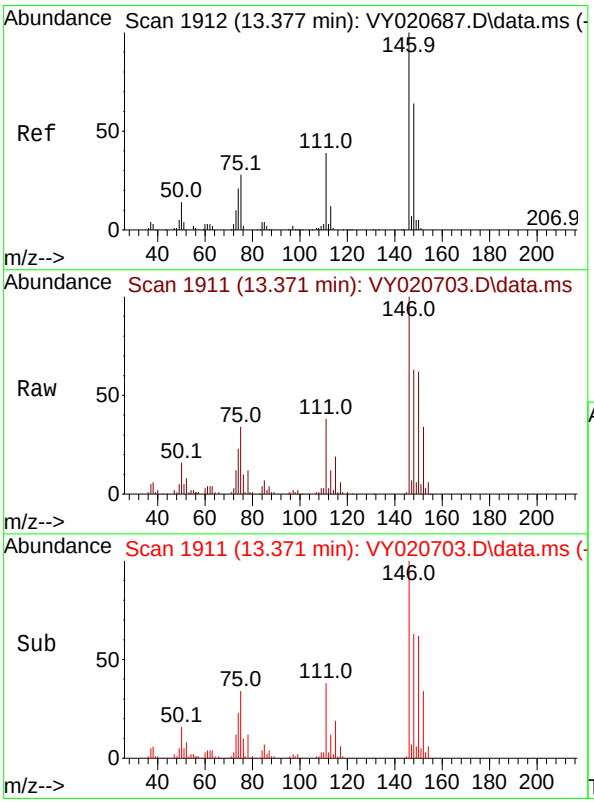
#87
1,3-Dichlorobenzene
Concen: 21.023 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:146 Resp: 43865

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.8
148	61.4	31.1	93.5

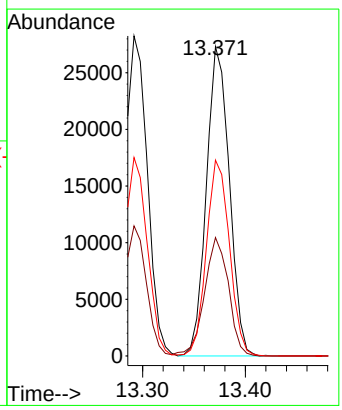


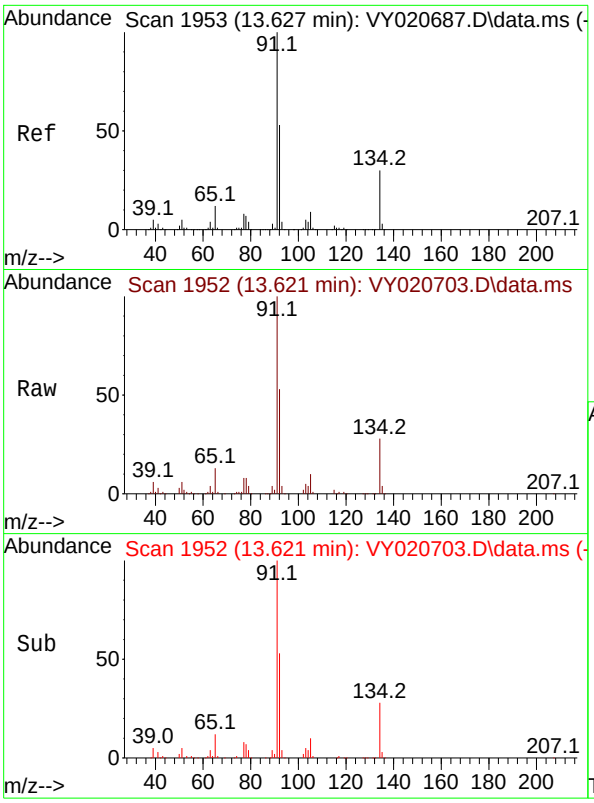


#88
1,4-Dichlorobenzene
Concen: 20.707 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:146 Resp: 42330

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	63.7	32.8	98.3



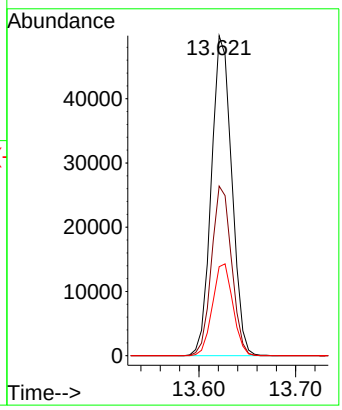


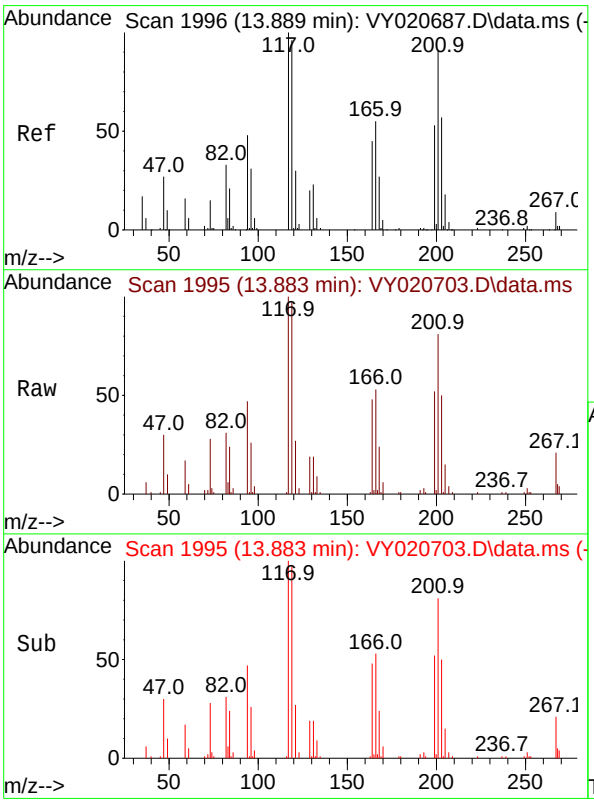
#89
n-Butylbenzene
Concen: 20.171 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion: 91 Resp: 72816

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	28.7	14.8	44.4

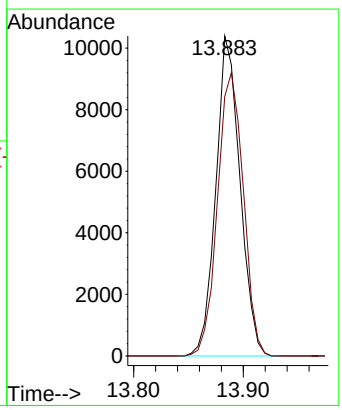


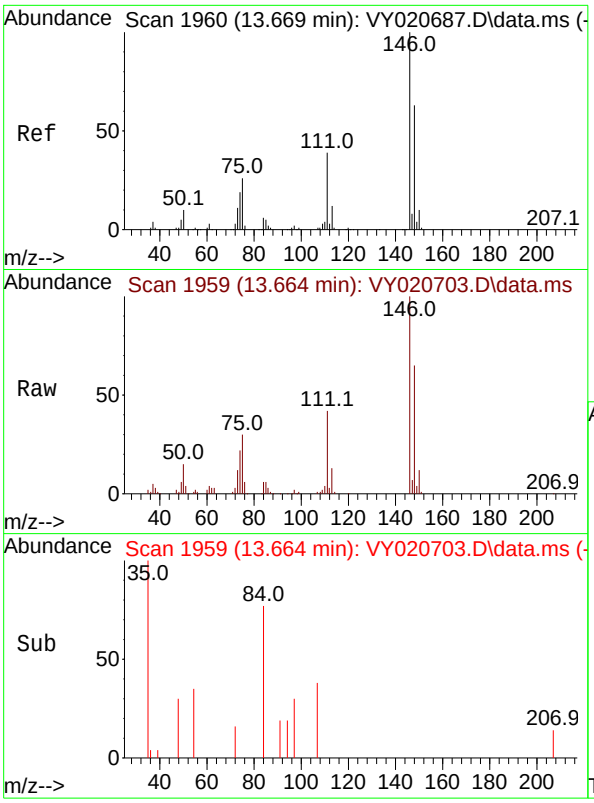


#90
Hexachloroethane
Concen: 19.561 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:117 Resp: 15902

Ion	Ratio	Lower	Upper
117	100		
201	94.8	44.9	134.7



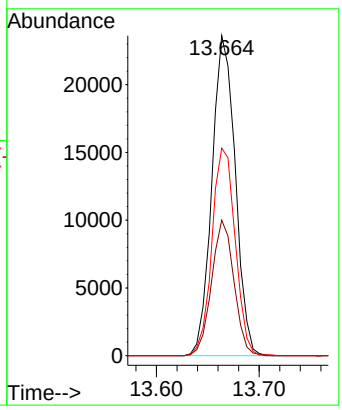


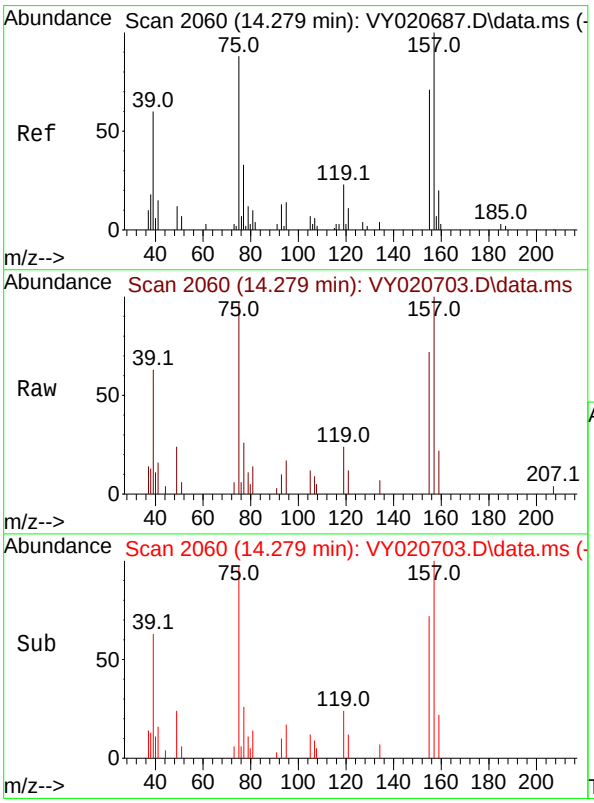
#91
1,2-Dichlorobenzene
Concen: 20.807 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:146 Resp: 37259

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.6	31.9	95.5

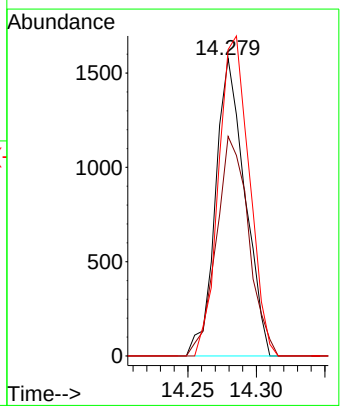


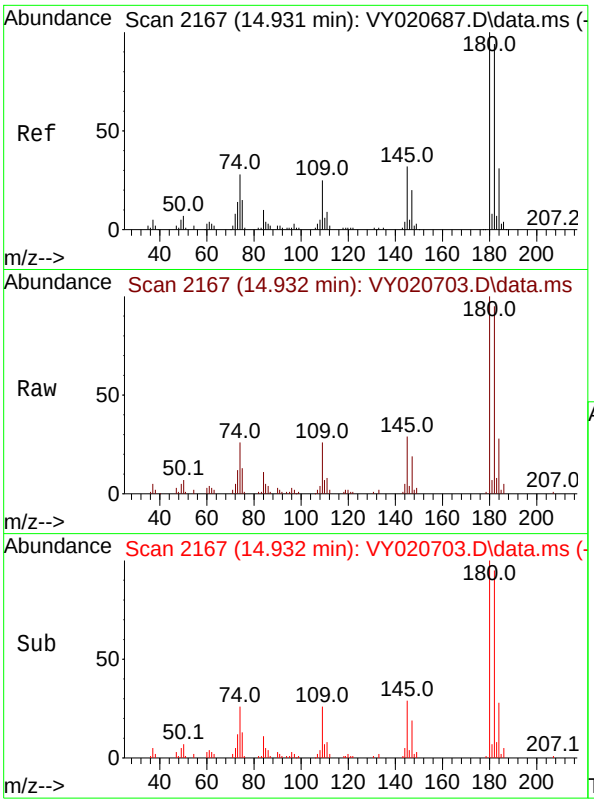


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.414 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion: 75 Resp: 2361

Ion	Ratio	Lower	Upper
75	100		
155	80.4	43.4	130.2
157	112.2	58.6	175.7



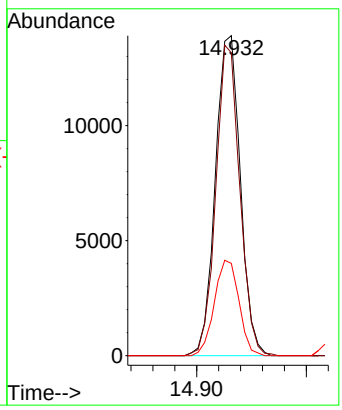


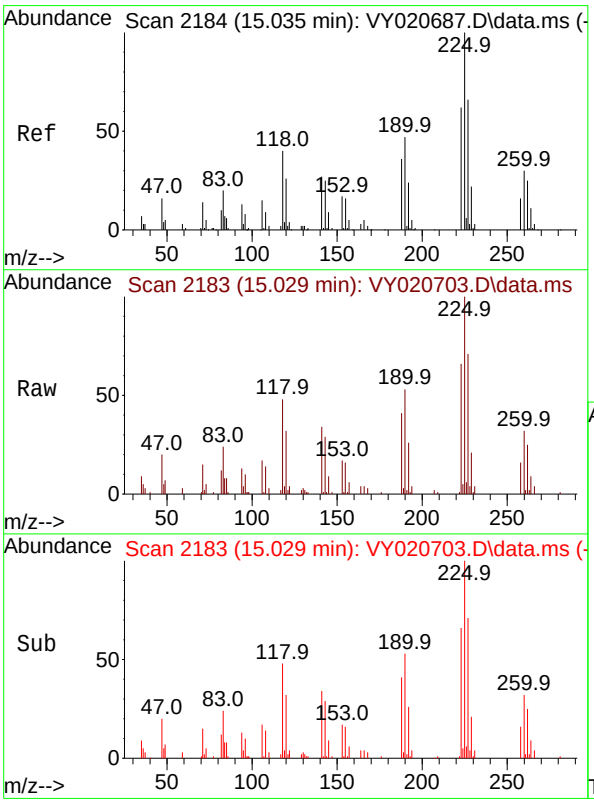
#93
1,2,4-Trichlorobenzene
Concen: 20.661 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:180 Resp: 21965

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.9	143.7
145	29.4	15.6	46.8

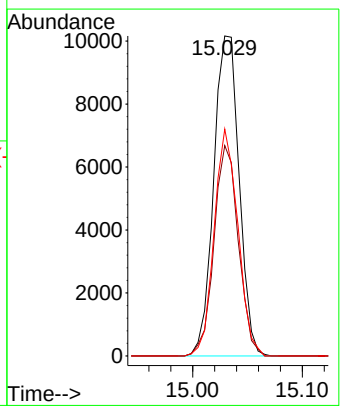


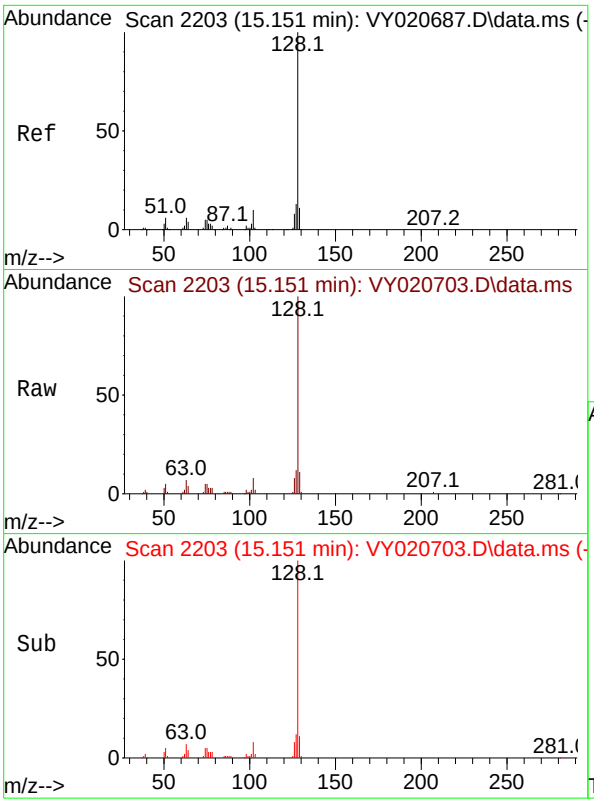


#94
Hexachlorobutadiene
Concen: 20.697 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:225 Resp: 16383

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	66.3	32.1	96.5



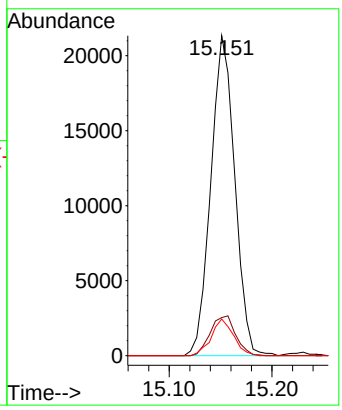


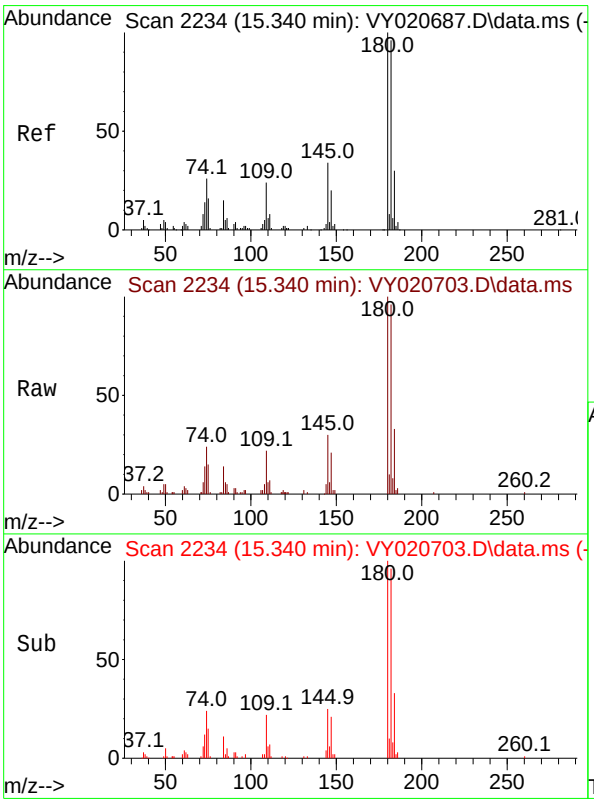
#95
Naphthalene
Concen: 19.827 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tgt Ion:128 Resp: 34561

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.6	8.6	12.8

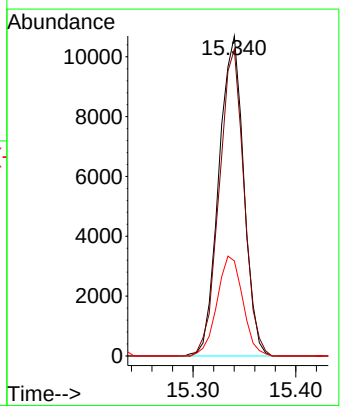




#96
1,2,3-Trichlorobenzene
Concen: 20.184 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020703.D
Acq: 23 Dec 2024 19:47

Tgt Ion:180 Resp: 17939

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	32.3	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	103385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	145794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	126465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	47124	51.467	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.646	113	42249	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.700%			
50) Toluene-d8	10.115	98	164066	52.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.414	95	56483	49.910	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39070	49.053	ug/l	96
3) Chloromethane	2.074	50	15804	48.704	ug/l	95
4) Vinyl Chloride	2.214	62	17896	45.236	ug/l	98
5) Bromomethane	2.611	94	13776	49.313	ug/l	97
6) Chloroethane	2.745	64	11432	47.545	ug/l	91
7) Trichlorofluoromethane	3.074	101	70652	49.661	ug/l	98
8) Diethyl Ether	3.464	74	17429	51.181	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	37478	48.241	ug/l	97
10) Methyl Iodide	4.019	142	45751	51.122	ug/l	98
11) Tert butyl alcohol	4.878	59	12554	171.272	ug/l #	95
12) 1,1-Dichloroethene	3.799	96	34679	50.296	ug/l	95
13) Acrolein	3.665	56	2863	175.643	ug/l	98
14) Allyl chloride	4.397	41	41616	51.470	ug/l	96
15) Acrylonitrile	5.073	53	32265	257.052	ug/l	97
16) Acetone	3.879	43	23495	224.651	ug/l	99
17) Carbon Disulfide	4.116	76	89362	51.983	ug/l	99
18) Methyl Acetate	4.403	43	14129	52.218	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	96927	51.682	ug/l	99
20) Methylene Chloride	4.628	84	35371	50.754	ug/l	92
21) trans-1,2-Dichloroethene	5.134	96	38121	51.276	ug/l	97
22) Diisopropyl ether	6.037	45	85498	51.724	ug/l	97
23) Vinyl Acetate	5.970	43	249368	254.770	ug/l	100
24) 1,1-Dichloroethane	5.933	63	64116	52.032	ug/l	98
25) 2-Butanone	6.909	43	35631	242.527	ug/l	98
26) 2,2-Dichloropropane	6.896	77	74414	48.269	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	45596	51.493	ug/l	99
28) Bromochloromethane	7.256	49	19178	52.179	ug/l	96
29) Tetrahydrofuran	7.268	42	21965	254.369	ug/l	99
30) Chloroform	7.433	83	80976	49.994	ug/l	97
31) Cyclohexane	7.713	56	50063	46.337	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	85341	50.435	ug/l	99
36) 1,1-Dichloropropene	7.847	75	52375	50.333	ug/l	98
37) Ethyl Acetate	6.988	43	17284	48.851	ug/l	99
38) Carbon Tetrachloride	7.829	117	85120	50.550	ug/l	97
39) Methylcyclohexane	9.115	83	67439	50.989	ug/l	97
40) Benzene	8.091	78	155801	51.901	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9157	47.528	ug/l		97
42) 1,2-Dichloroethane	8.164	62	49338	51.679	ug/l		99
43) Isopropyl Acetate	8.207	43	36640	51.839	ug/l	#	84
44) Trichloroethene	8.872	130	44640	50.106	ug/l		99
45) 1,2-Dichloropropane	9.146	63	30392	51.529	ug/l		97
46) Dibromomethane	9.237	93	21853	53.670	ug/l		94
47) Bromodichloromethane	9.432	83	59824	51.794	ug/l		92
48) Methyl methacrylate	9.225	41	16617	49.594	ug/l		98
49) 1,4-Dioxane	9.237	88	4411	1155.007	ug/l		93
51) 4-Methyl-2-Pentanone	10.006	43	88277	250.023	ug/l		99
52) Toluene	10.176	92	107314	52.497	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	53257	52.109	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	58353	51.816	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	27194	51.580	ug/l		97
56) Ethyl methacrylate	10.444	69	36039	53.588	ug/l		99
57) 1,3-Dichloropropane	10.719	76	45260	52.518	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	70747	281.507	ug/l		99
59) 2-Hexanone	10.768	43	59383	264.044	ug/l		99
60) Dibromochloromethane	10.914	129	44838	53.267	ug/l		100
61) 1,2-Dibromoethane	11.024	107	25312	51.212	ug/l		99
64) Tetrachloroethene	10.652	164	42528	50.635	ug/l		98
65) Chlorobenzene	11.450	112	121510	51.417	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	47276	51.228	ug/l		98
67) Ethyl Benzene	11.524	91	214345	50.554	ug/l		100
68) m/p-Xylenes	11.633	106	164557	101.778	ug/l		99
69) o-Xylene	11.963	106	78598	51.751	ug/l		99
70) Styrene	11.975	104	133817	52.384	ug/l		99
71) Bromoform	12.139	173	26828	50.753	ug/l	#	98
73) Isopropylbenzene	12.261	105	219224	48.610	ug/l		99
74) N-amyl acetate	12.072	43	31826	50.222	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	27488	47.365	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	40188	87.891	ug/l	#	100
77) Bromobenzene	12.536	156	51097	49.756	ug/l		98
78) n-propylbenzene	12.603	91	247710	48.719	ug/l		99
79) 2-Chlorotoluene	12.688	91	141572	48.911	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	186425	49.839	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	10452	49.690	ug/l		97
82) 4-Chlorotoluene	12.786	91	146889	49.759	ug/l		99
83) tert-Butylbenzene	13.005	119	170884	49.098	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	181401	49.644	ug/l		100
85) sec-Butylbenzene	13.182	105	231763	49.454	ug/l		100
86) p-Isopropyltoluene	13.298	119	207000	50.523	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	99861	50.056	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	98479	50.384	ug/l		98
89) n-Butylbenzene	13.627	91	174927	50.680	ug/l		100
90) Hexachloroethane	13.889	117	38801	49.920	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	85918	50.182	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5399	48.822	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	56391	55.478	ug/l		100
94) Hexachlorobutadiene	15.029	225	39605	52.330	ug/l		99
95) Naphthalene	15.151	128	91326	48.620	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	45813	53.910	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration

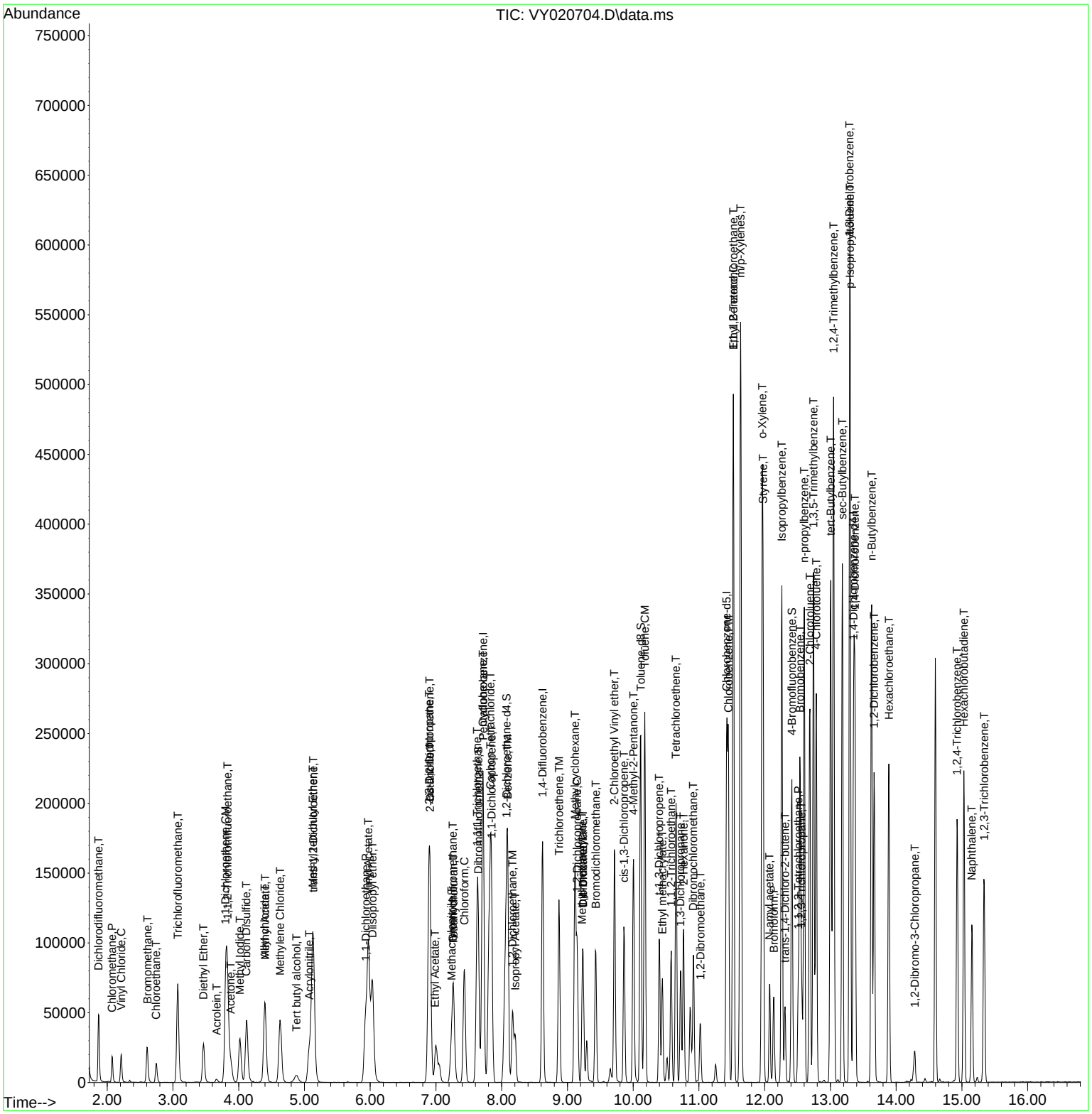
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

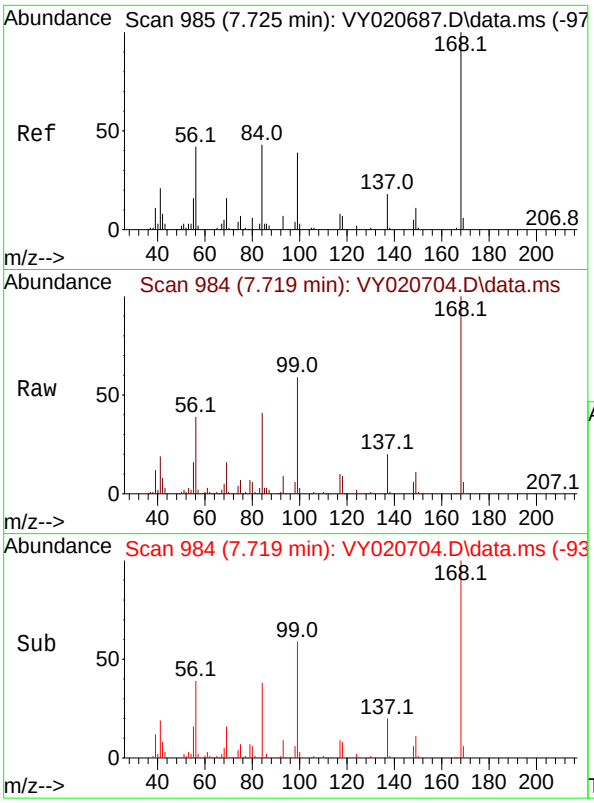
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
Data File : VY020704.D
Acq On : 23 Dec 2024 20:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 25 01:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 25 00:58:45 2024
Response via : Initial Calibration



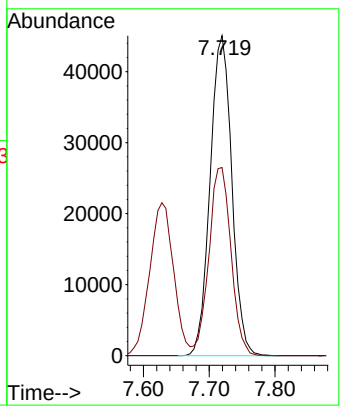


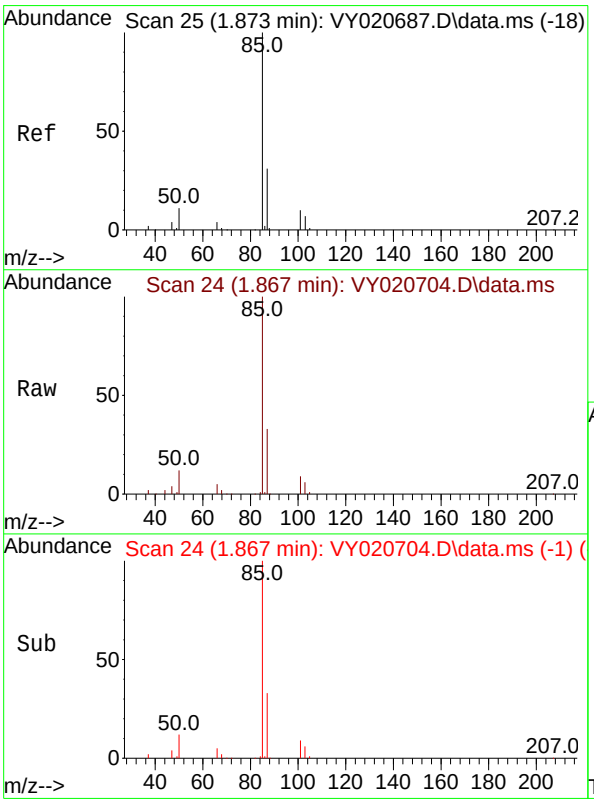
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 103385

Ion	Ratio	Lower	Upper
168	100		
99	58.8	43.8	65.6

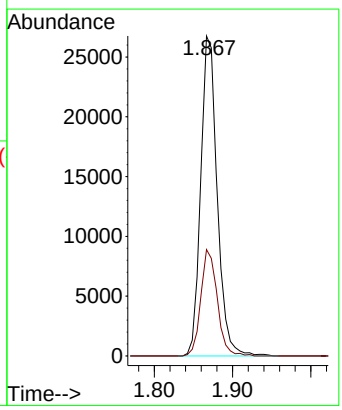


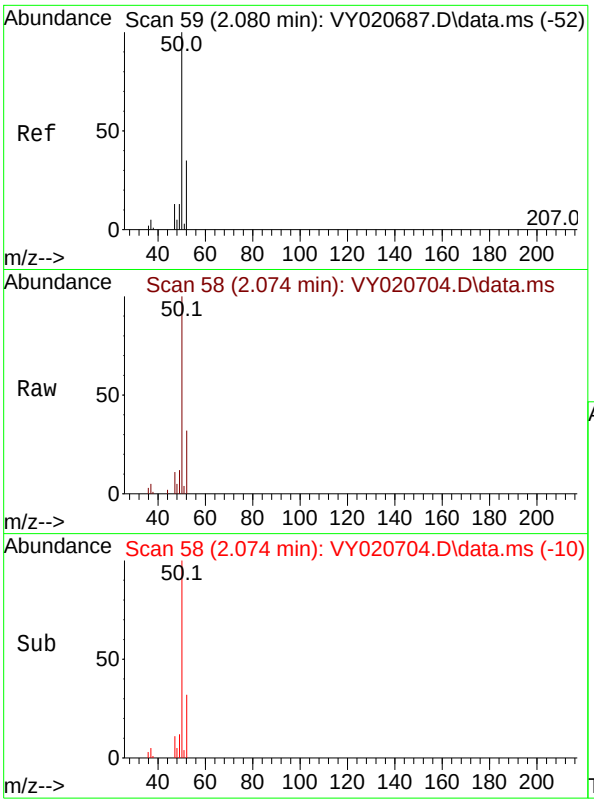


#2
Dichlorodifluoromethane
Concen: 49.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 85 Resp: 39070

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.4



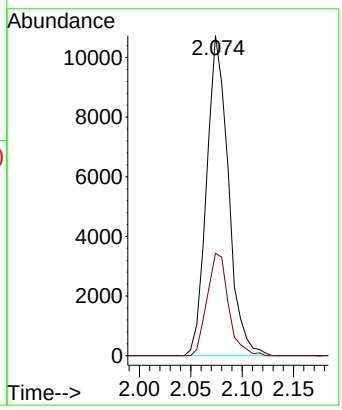


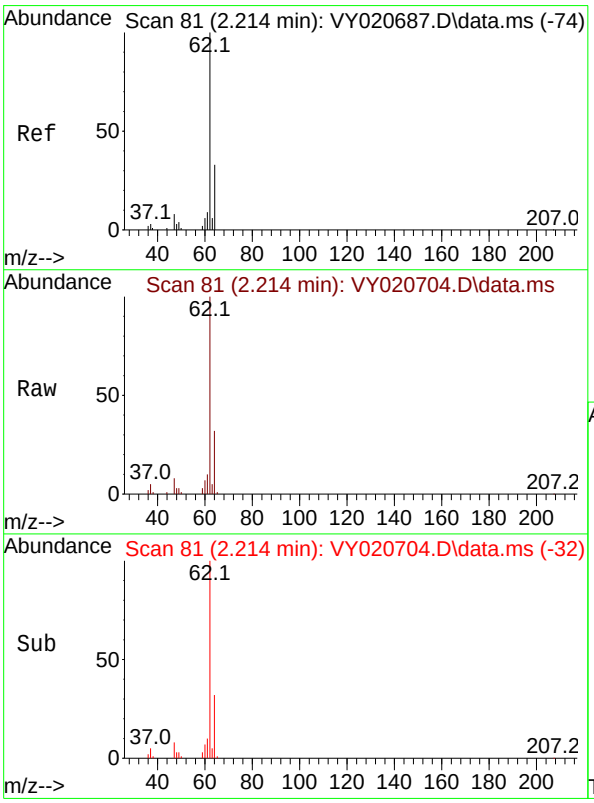
#3
Chloromethane
Concen: 48.704 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 15804

Ion	Ratio	Lower	Upper
50	100		
52	32.0	28.2	42.2

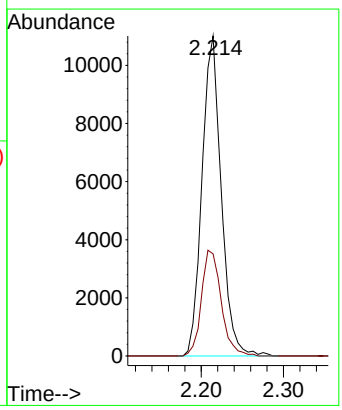


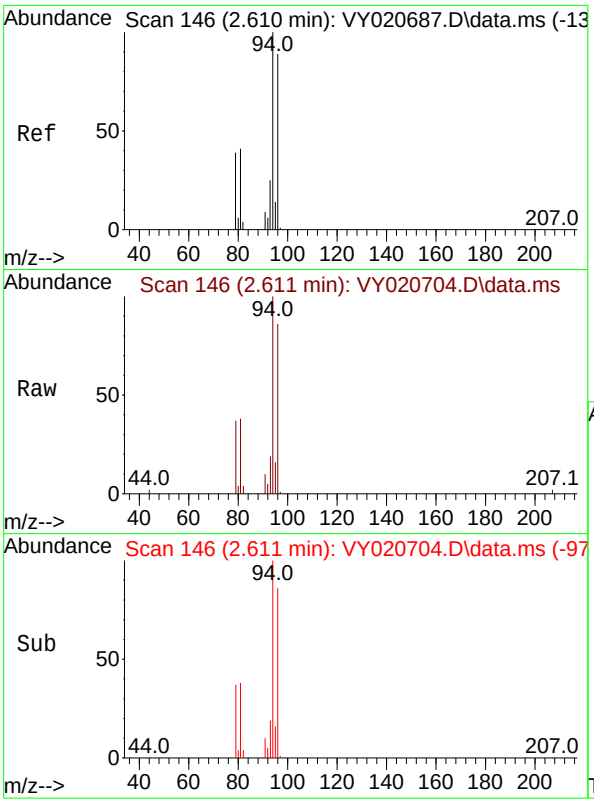


#4
Vinyl Chloride
Concen: 45.236 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 62 Resp: 17896

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.6	40.0



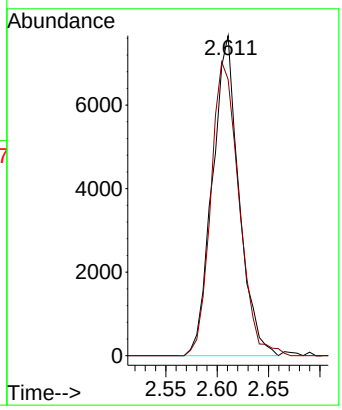


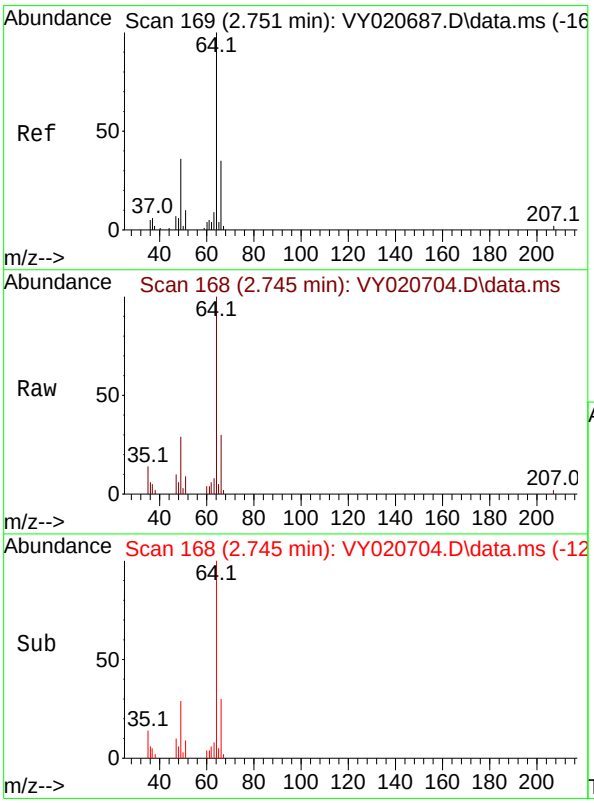
#5
Bromomethane
Concen: 49.313 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 13776

Ion	Ratio	Lower	Upper
94	100		
96	86.4	71.0	106.6

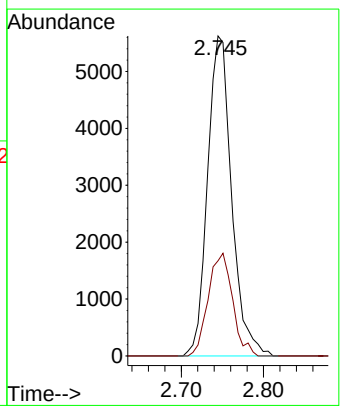


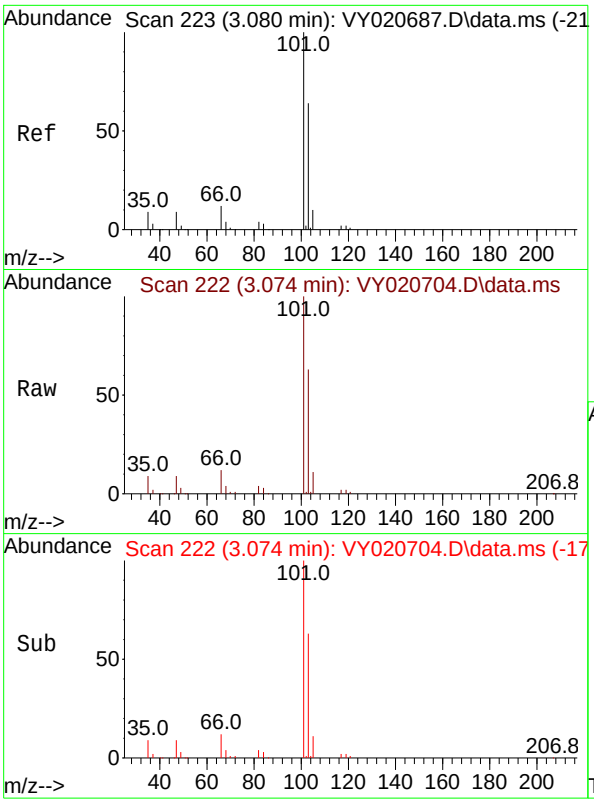


#6
Chloroethane
Concen: 47.545 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 64 Resp: 11432

Ion	Ratio	Lower	Upper
64	100		
66	29.7	27.8	41.8



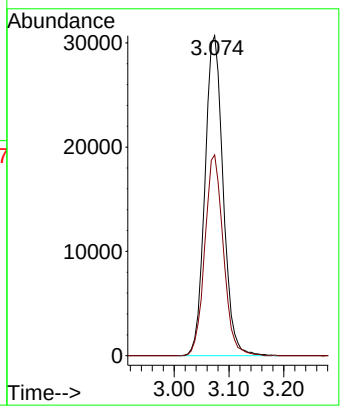


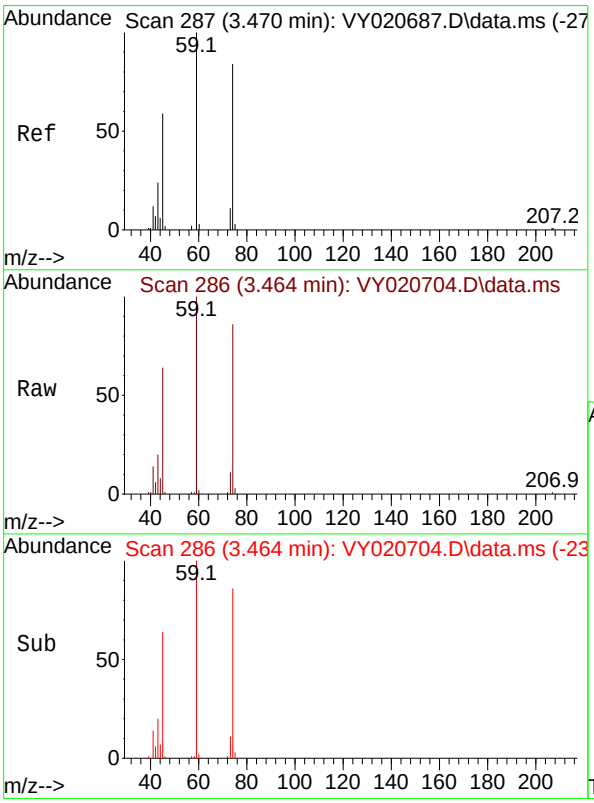
#7
Trichlorofluoromethane
Concen: 49.661 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 70652

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.4	77.0

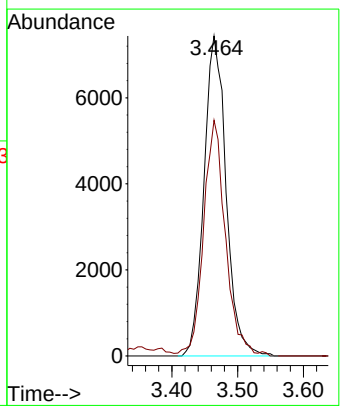


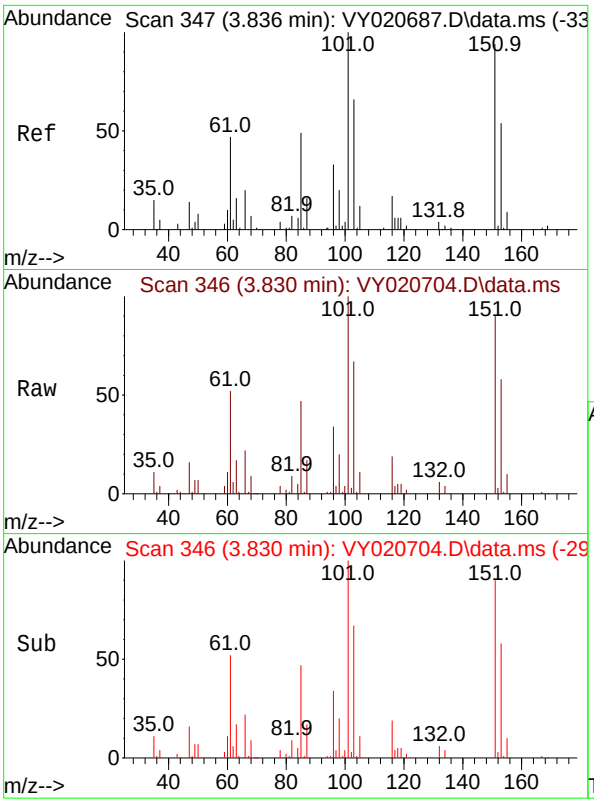


#8
Diethyl Ether
Concen: 51.181 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 74 Resp: 17429

Ion	Ratio	Lower	Upper
74	100		
45	73.0	35.8	107.4



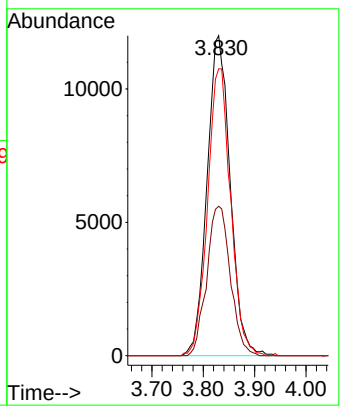


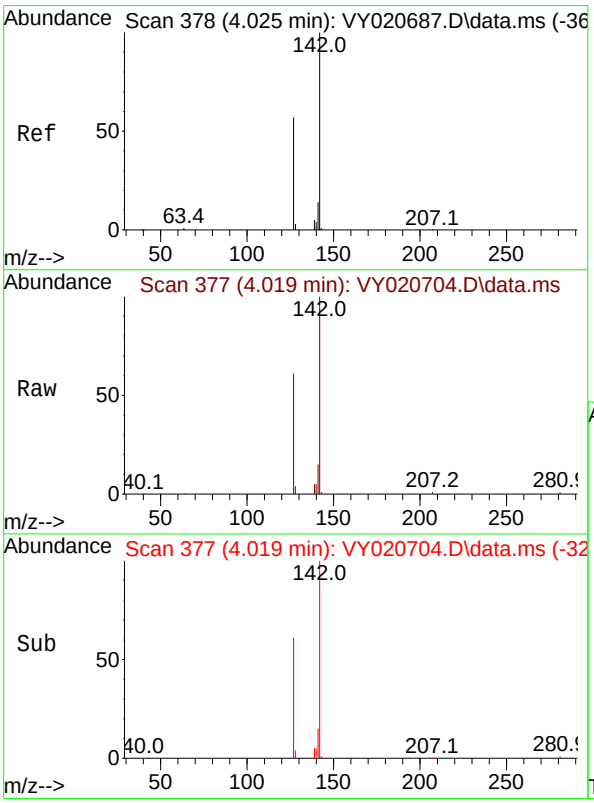
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.241 ug/l
RT: 3.830 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 37478

Ion	Ratio	Lower	Upper
101	100		
85	47.6	38.2	57.2
151	89.5	68.4	102.6

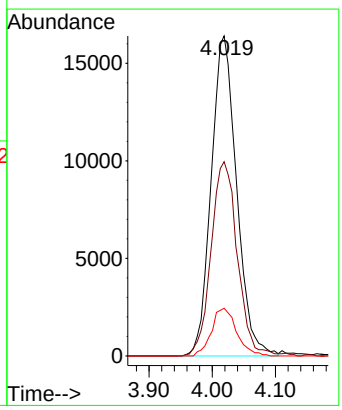


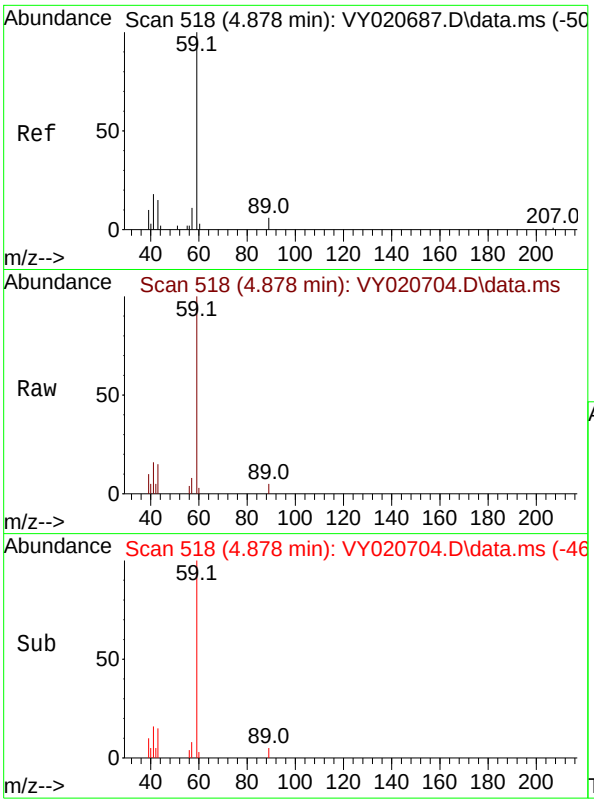


#10
Methyl Iodide
Concen: 51.122 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:142 Resp: 45751

Ion	Ratio	Lower	Upper
142	100		
127	62.5	48.8	73.2
141	14.7	11.9	17.9



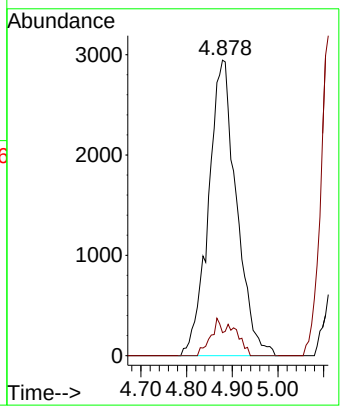


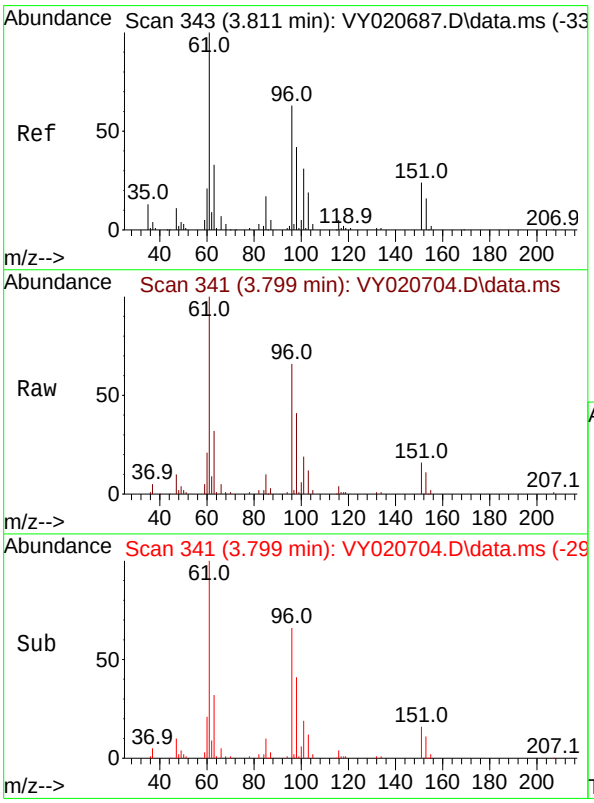
#11
Tert butyl alcohol
Concen: 171.272 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 12554

Ion	Ratio	Lower	Upper
59	100		
57	5.1	2.8	4.2#

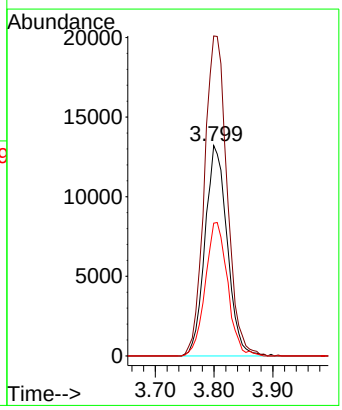


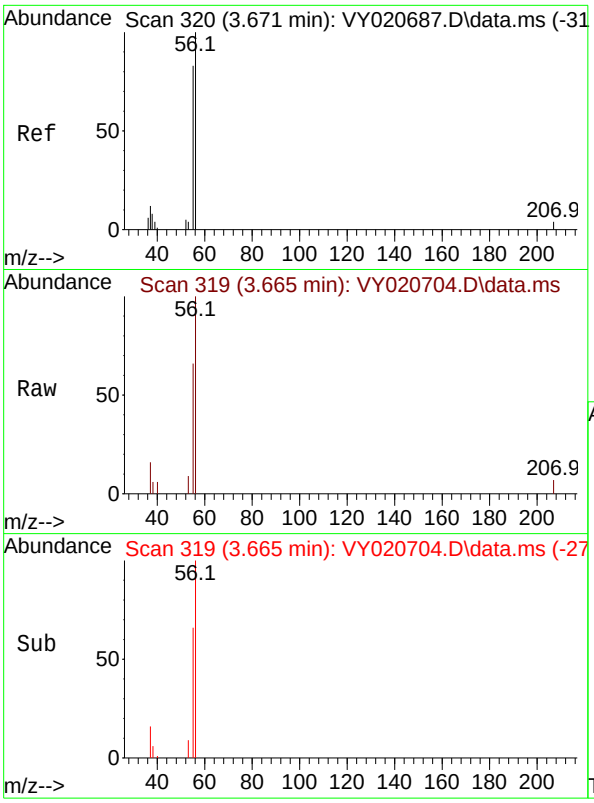


#12
1,1-Dichloroethene
Concen: 50.296 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 96 Resp: 34679

Ion	Ratio	Lower	Upper
96	100		
61	152.1	127.1	190.7
98	63.1	53.4	80.0



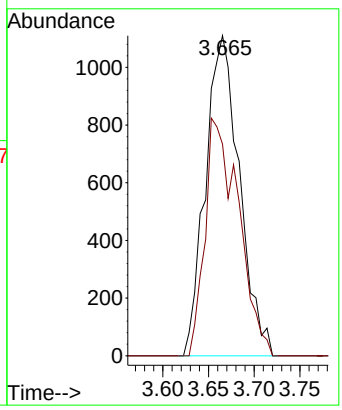


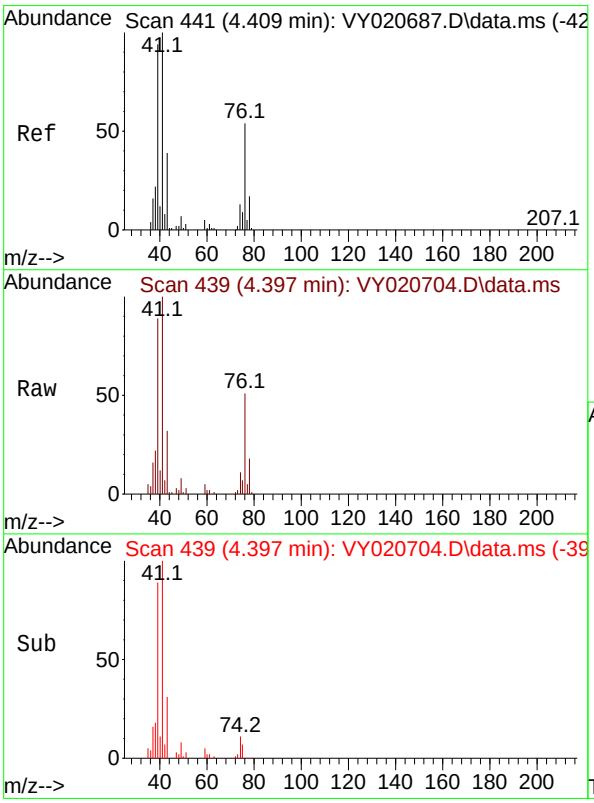
#13
Acrolein
Concen: 175.643 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 2863

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.0	85.4

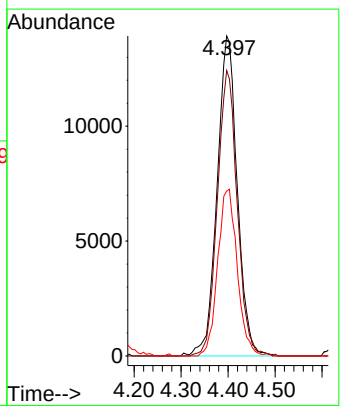


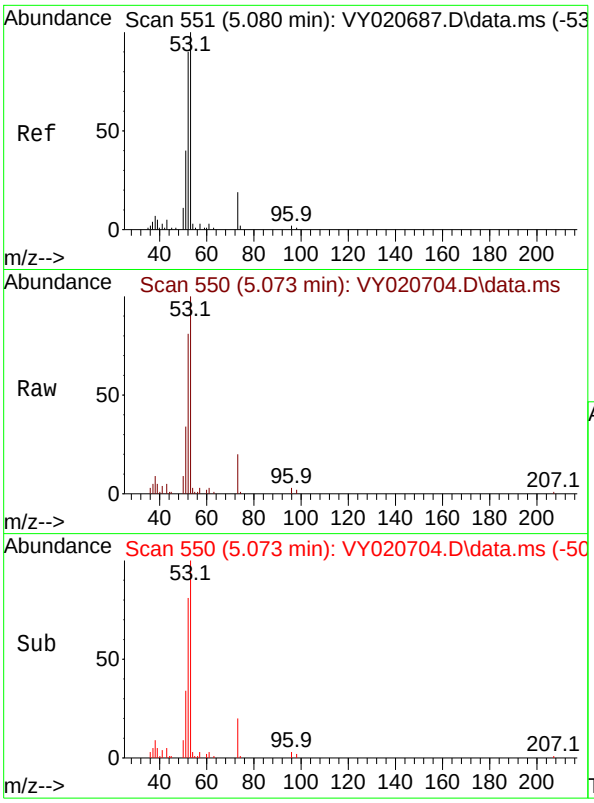


#14
Allyl chloride
Concen: 51.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 41 Resp: 41616

Ion	Ratio	Lower	Upper
41	100		
39	87.9	73.5	110.3
76	50.6	41.8	62.8



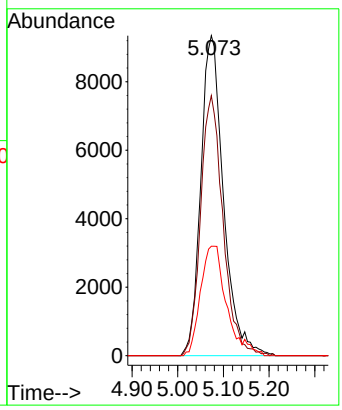


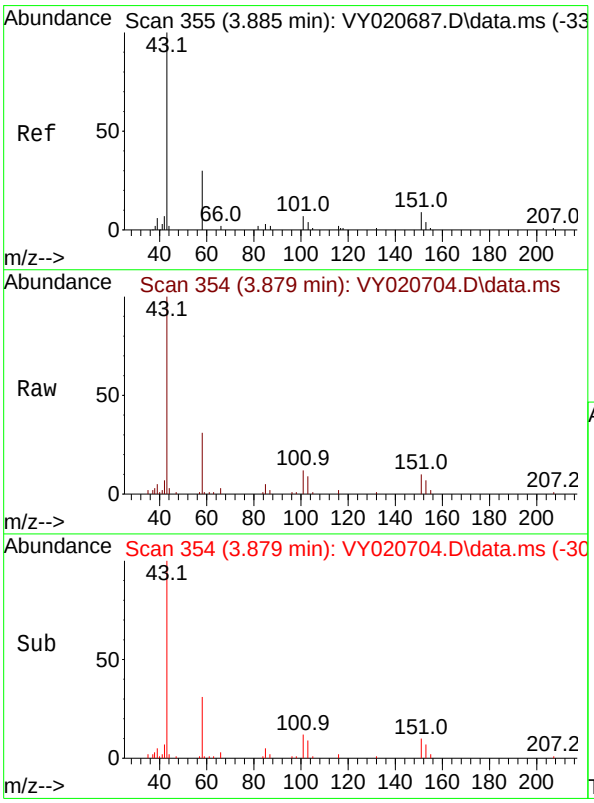
#15
Acrylonitrile
Concen: 257.052 ug/l
RT: 5.073 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 32265

Ion	Ratio	Lower	Upper
53	100		
52	80.1	67.1	100.7
51	39.1	31.4	47.0

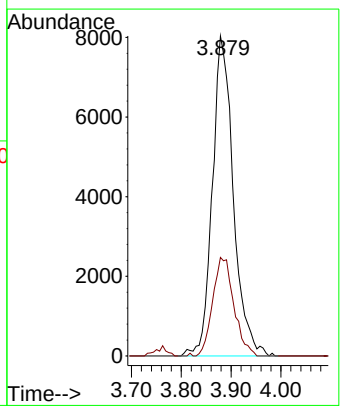


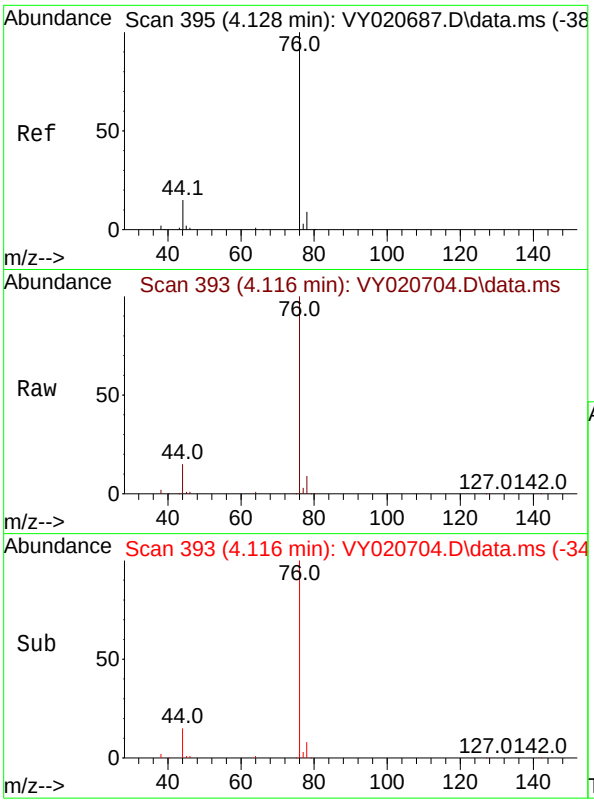


#16
Acetone
Concen: 224.651 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 23495

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.0	37.6



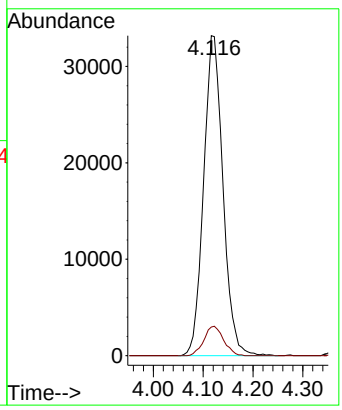


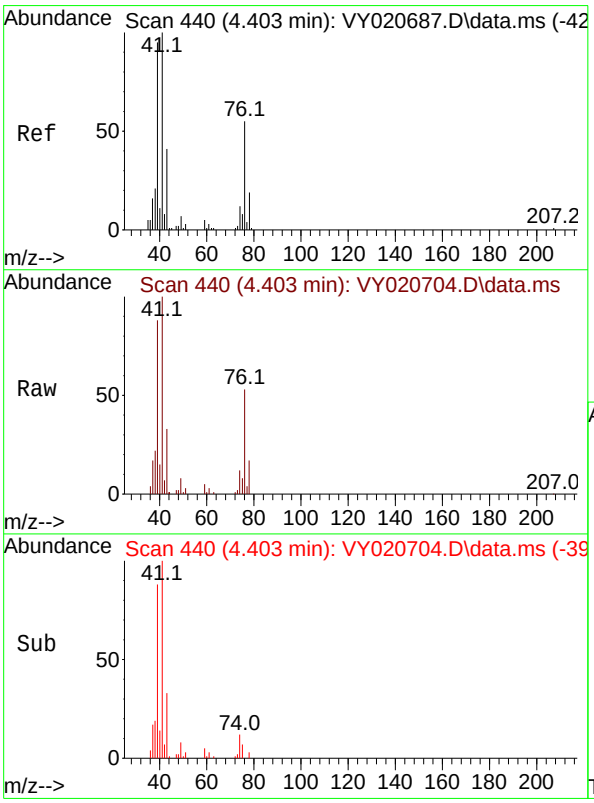
#17
Carbon Disulfide
Concen: 51.983 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 89362

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

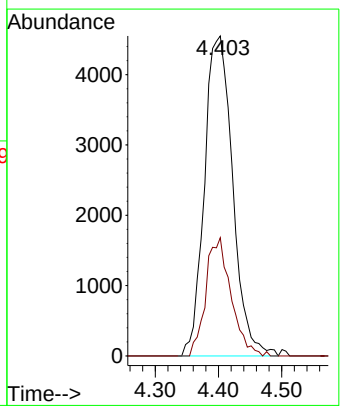


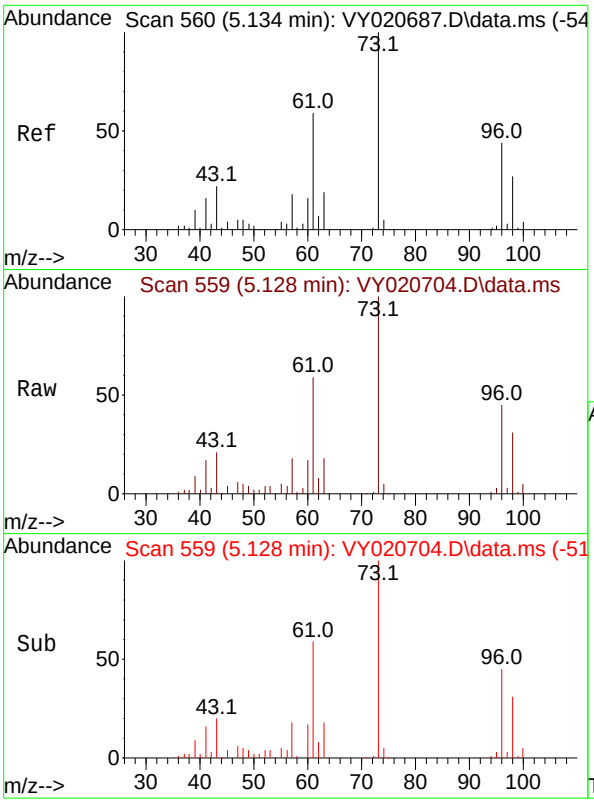


#18
Methyl Acetate
Concen: 52.218 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 14129

Ion	Ratio	Lower	Upper
43	100		
74	32.9	25.3	37.9



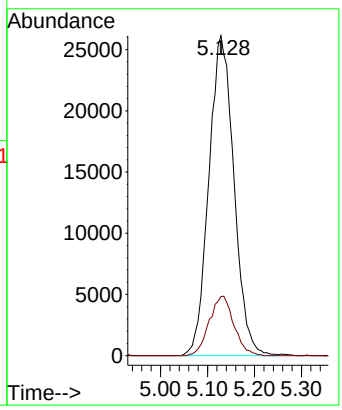


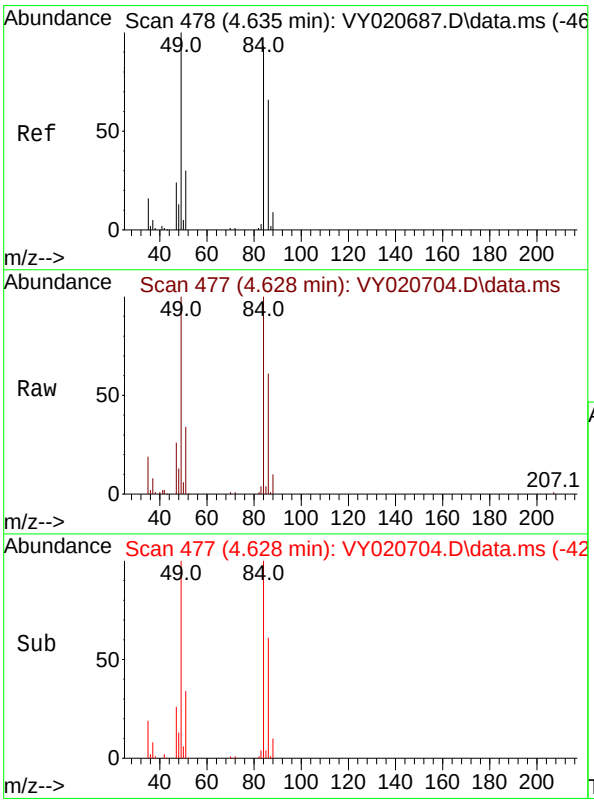
#19
Methyl tert-butyl Ether
Concen: 51.682 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 96927

Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.4	21.6

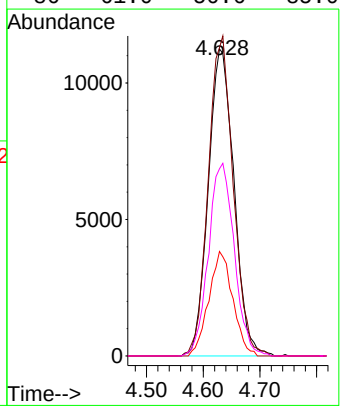


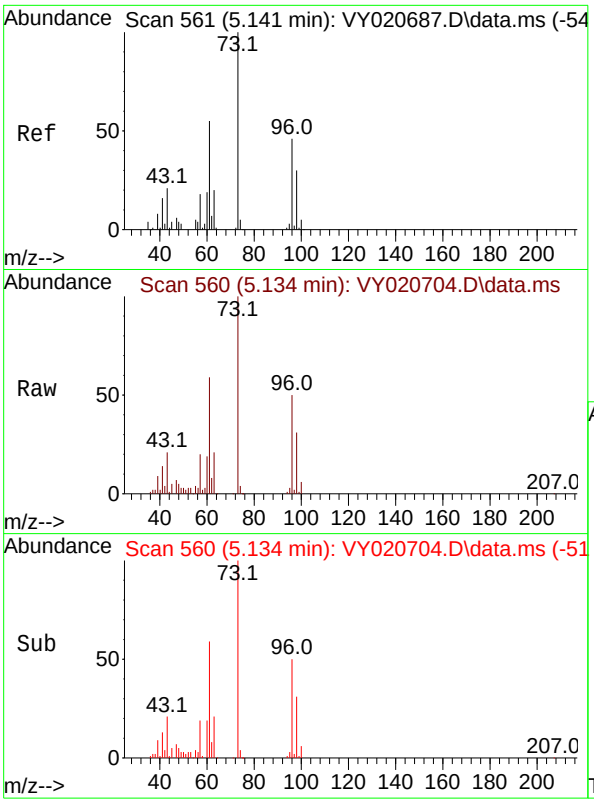


#20
Methylene Chloride
Concen: 50.754 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 84 Resp: 35371

Ion	Ratio	Lower	Upper
84	100		
49	100.5	86.4	129.6
51	34.1	25.5	38.3
86	61.0	56.6	85.0



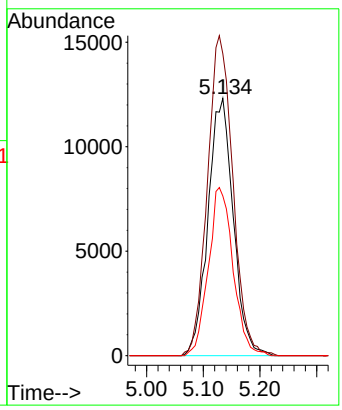


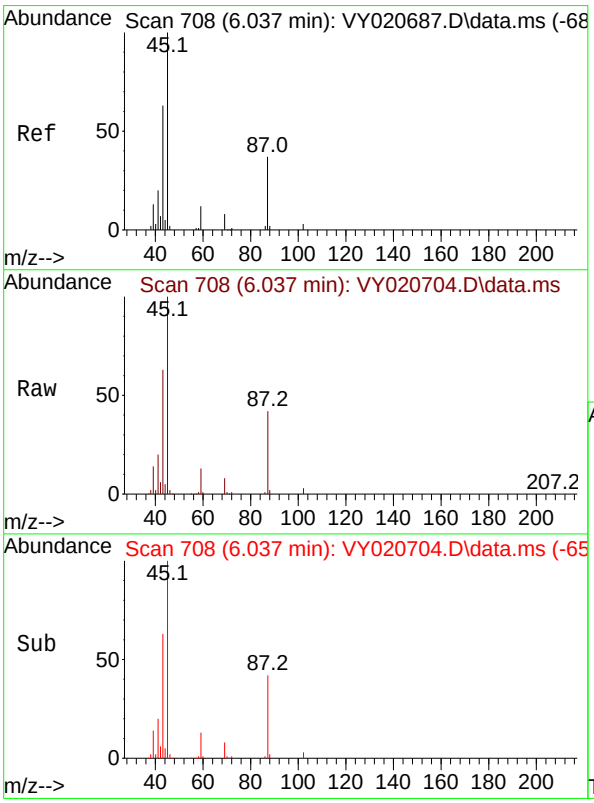
#21
trans-1,2-Dichloroethene
Concen: 51.276 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 38121

Ion	Ratio	Lower	Upper
96	100		
61	117.4	96.1	144.1
98	62.1	52.7	79.1

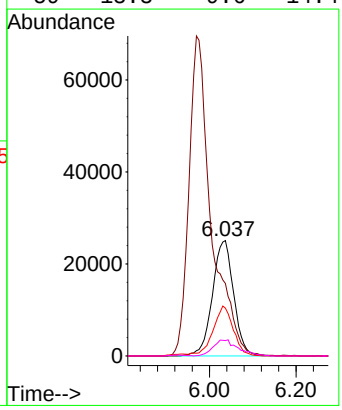


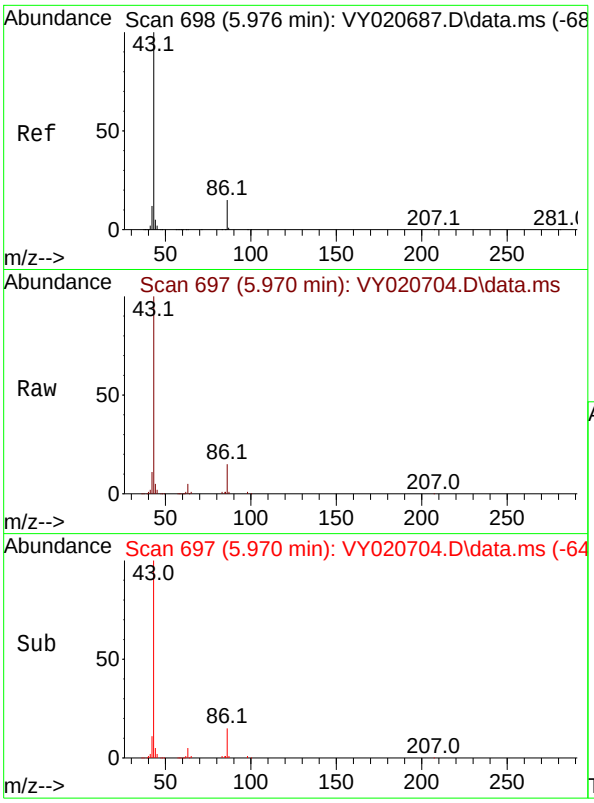


#22
Diisopropyl ether
Concen: 51.724 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 45 Resp: 85498

Ion	Ratio	Lower	Upper
45	100		
43	62.5	51.3	76.9
87	41.5	30.6	46.0
59	13.3	9.6	14.4



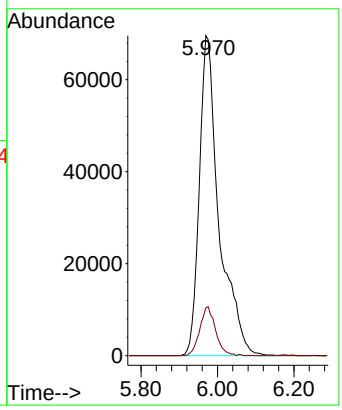


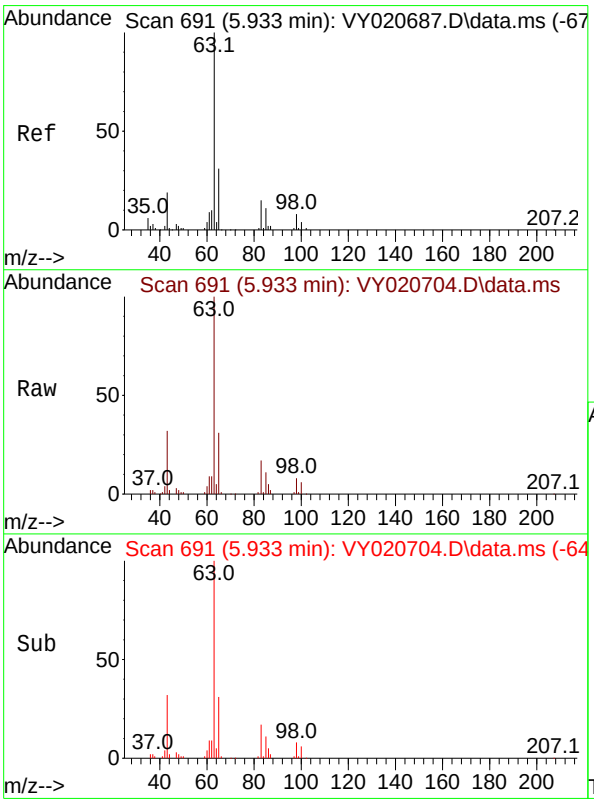
#23
Vinyl Acetate
Concen: 254.770 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 249368

Ion	Ratio	Lower	Upper
43	100		
86	15.0	12.0	18.0

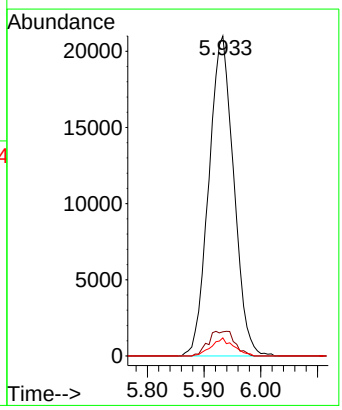


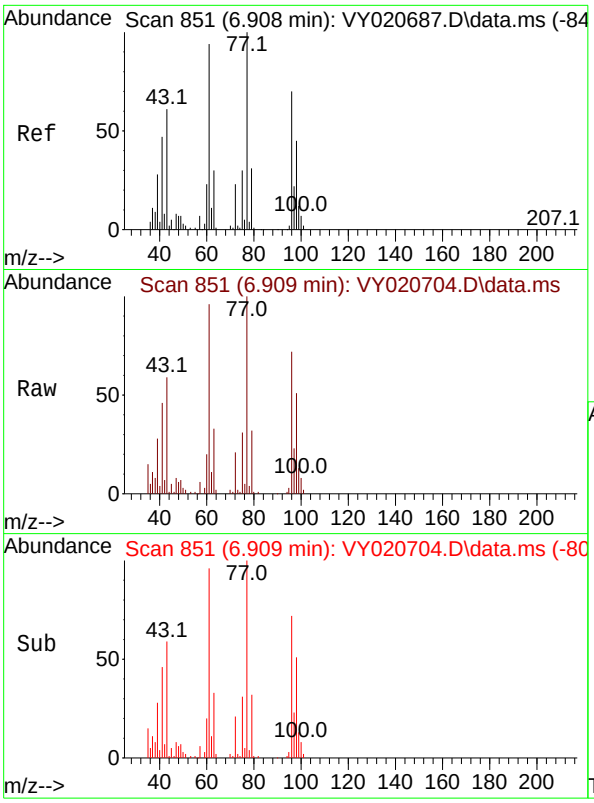


#24
1,1-Dichloroethane
Concen: 52.032 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 63 Resp: 64116

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	12.0
100	5.7	2.1	6.2



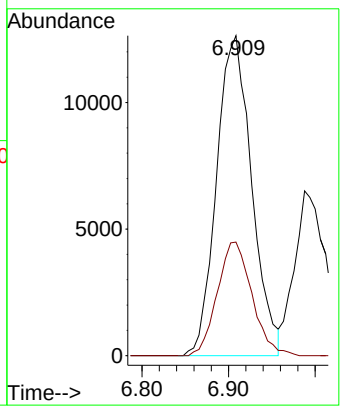


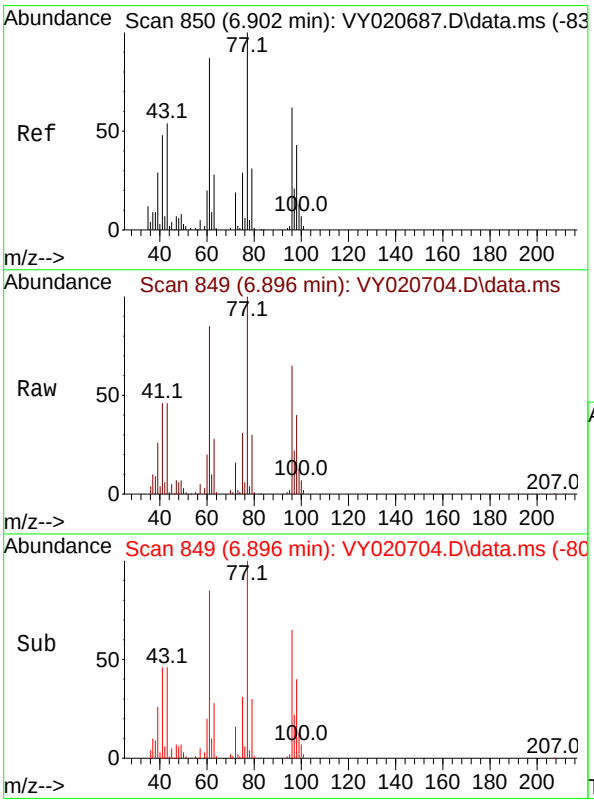
#25
2-Butanone
Concen: 242.527 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 35631

Ion	Ratio	Lower	Upper
43	100		
72	35.5	29.5	44.3

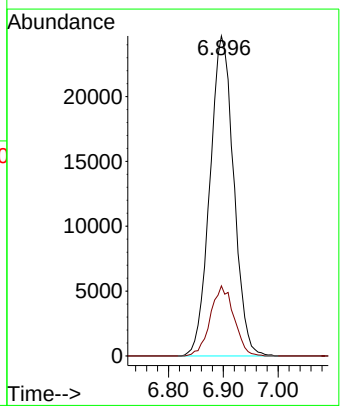


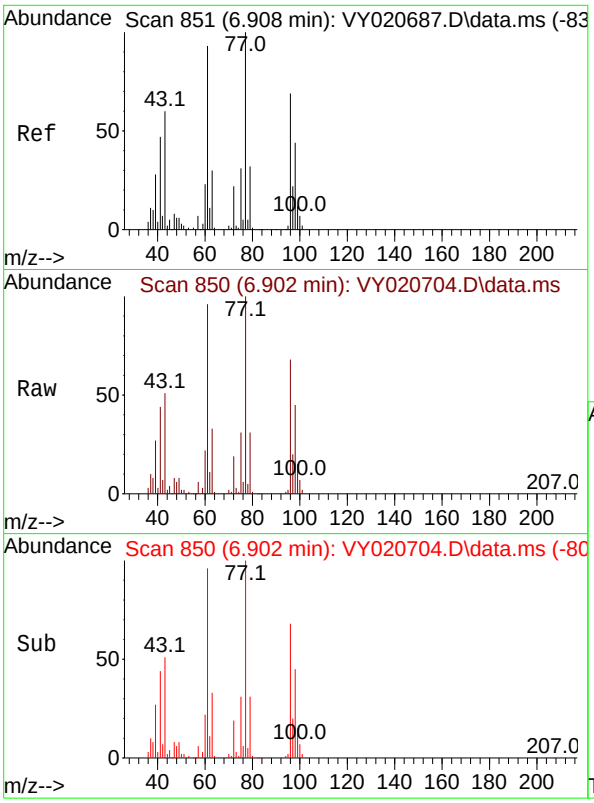


#26
2,2-Dichloropropane
Concen: 48.269 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 77 Resp: 74414

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.4



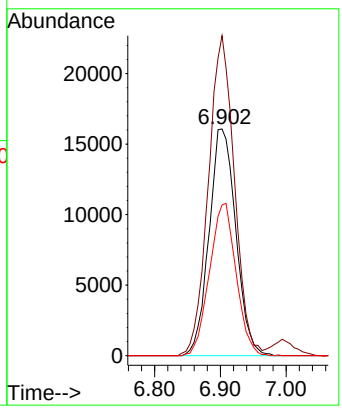


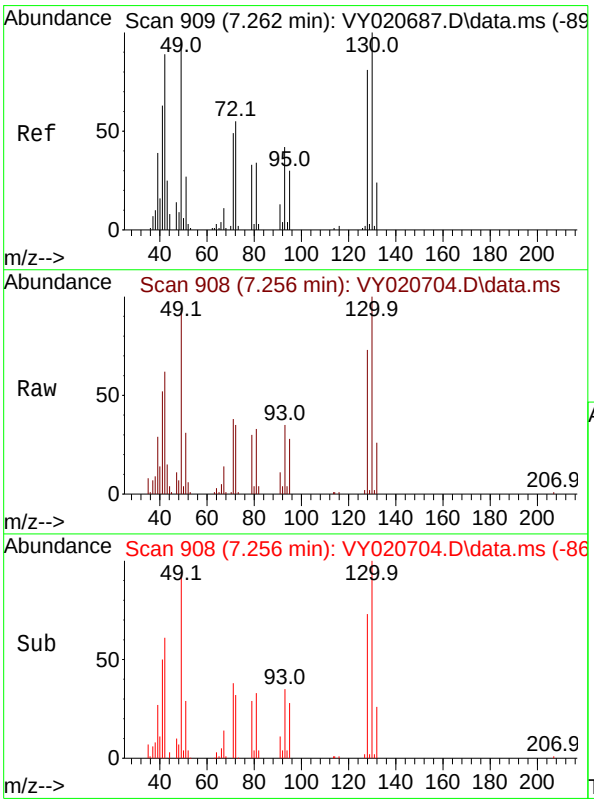
#27
cis-1,2-Dichloroethene
Concen: 51.493 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 45596

Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	277.2
98	66.5	0.0	131.0

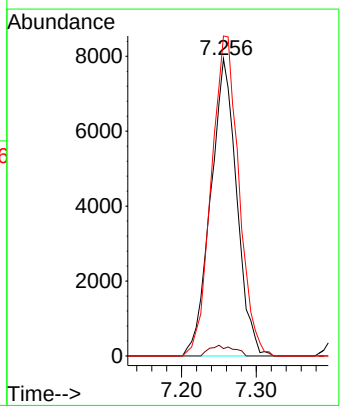


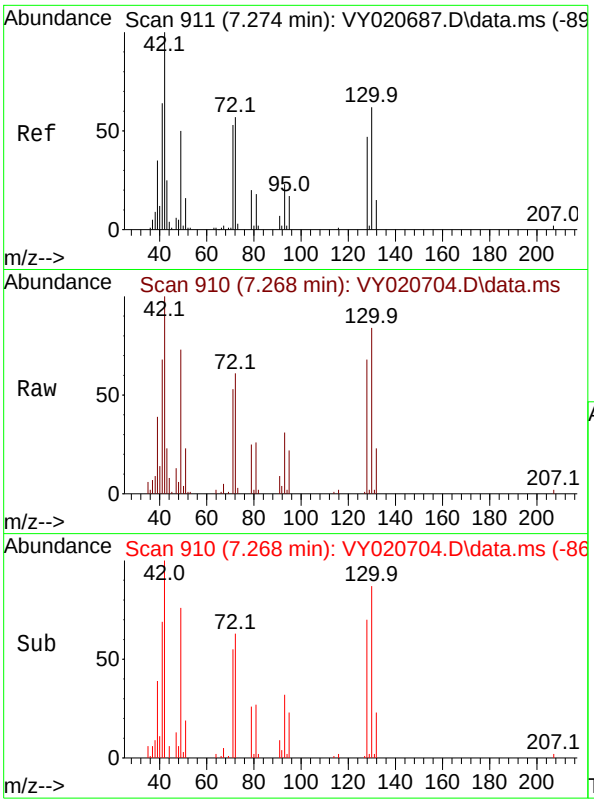


#28
Bromochloromethane
Concen: 52.179 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 49 Resp: 19178

Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.4
130	113.6	87.2	130.8



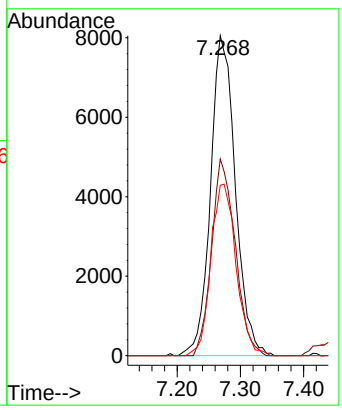


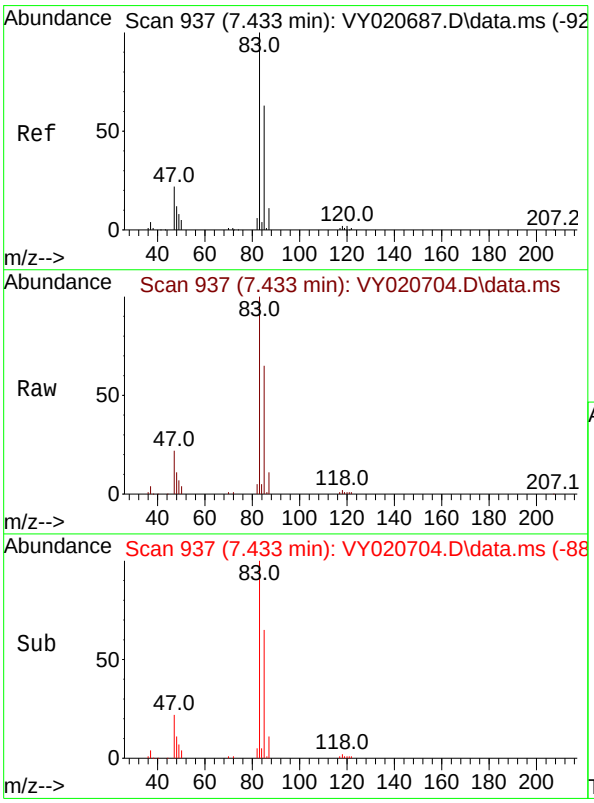
#29
Tetrahydrofuran
Concen: 254.369 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 21965

Ion	Ratio	Lower	Upper
42	100		
72	58.5	47.4	71.0
71	54.5	42.8	64.2

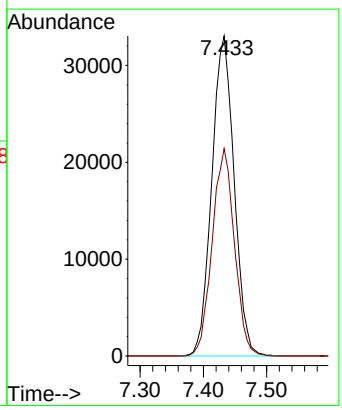


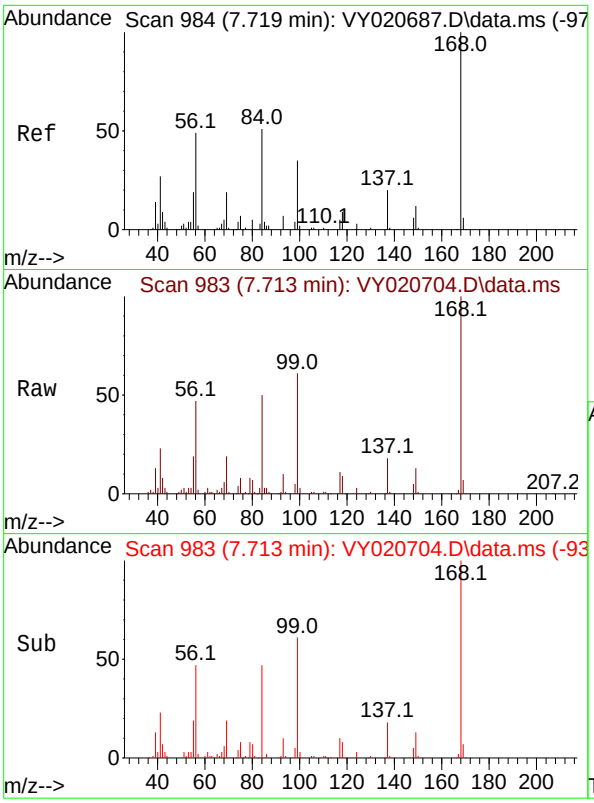


#30
Chloroform
Concen: 49.994 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 83 Resp: 80976

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2



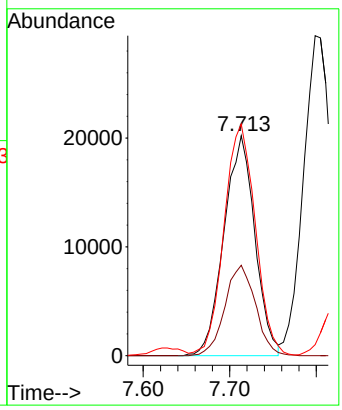


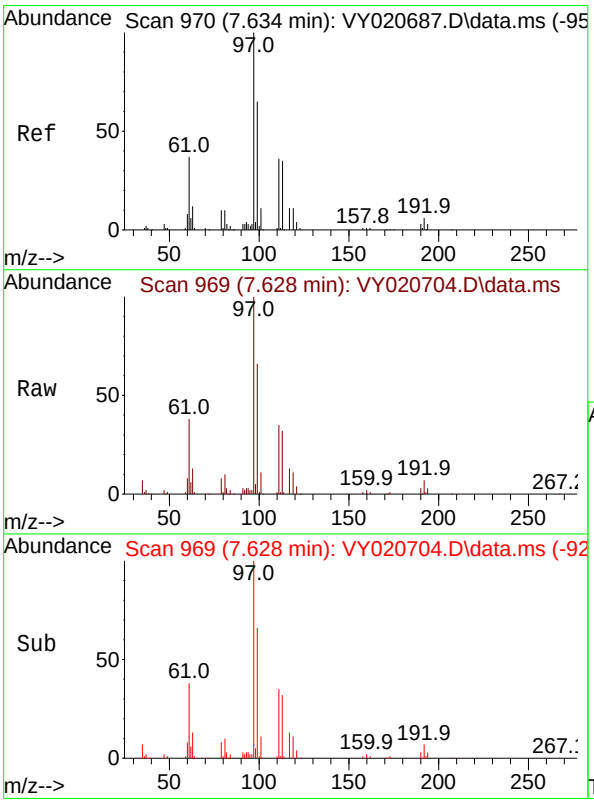
#31
Cyclohexane
Concen: 46.337 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 50063

Ion	Ratio	Lower	Upper
56	100		
69	41.1	31.3	46.9
84	102.3	83.9	125.9

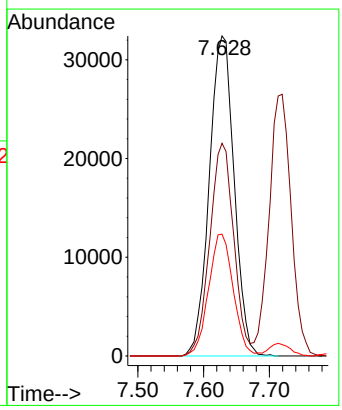


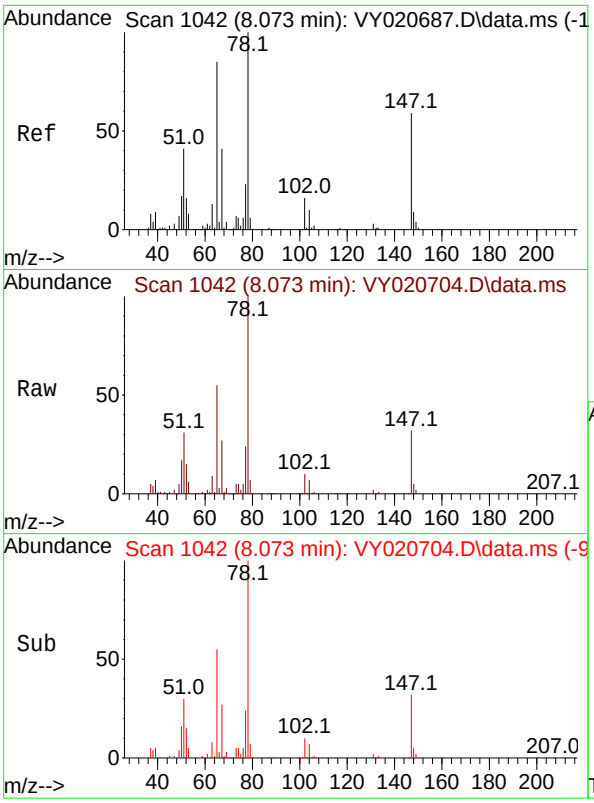


#32
1,1,1-Trichloroethane
Concen: 50.435 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 97 Resp: 85341

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	37.9	30.0	45.0



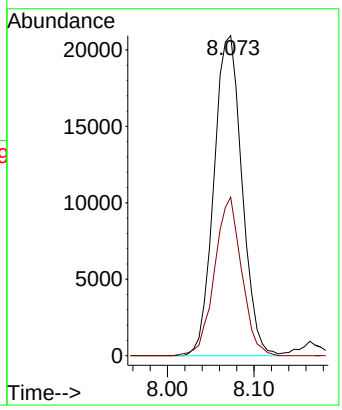


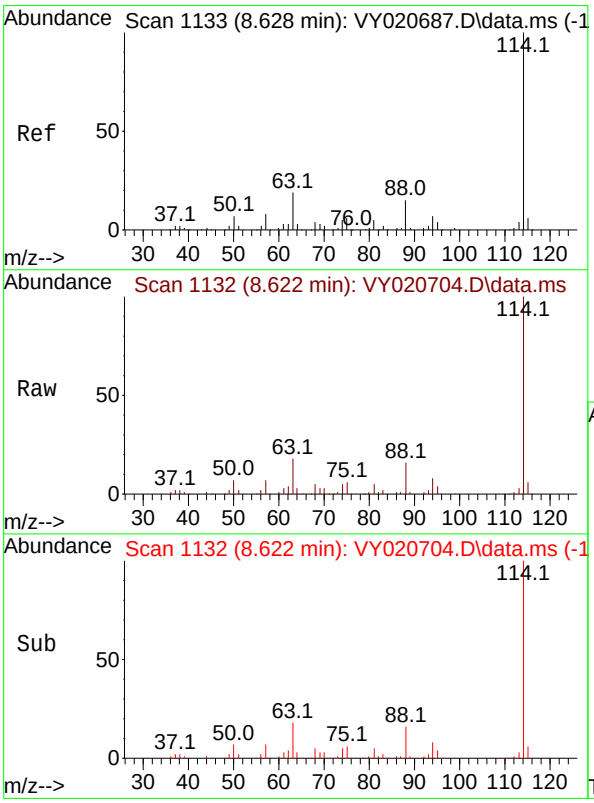
#33
1,2-Dichloroethane-d4
Concen: 51.467 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 47124

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	98.0

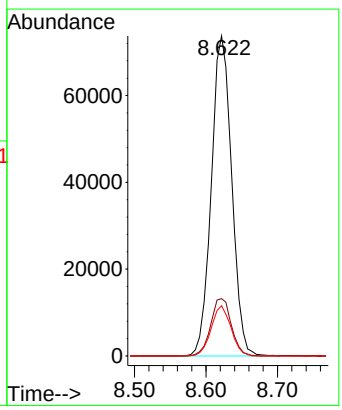


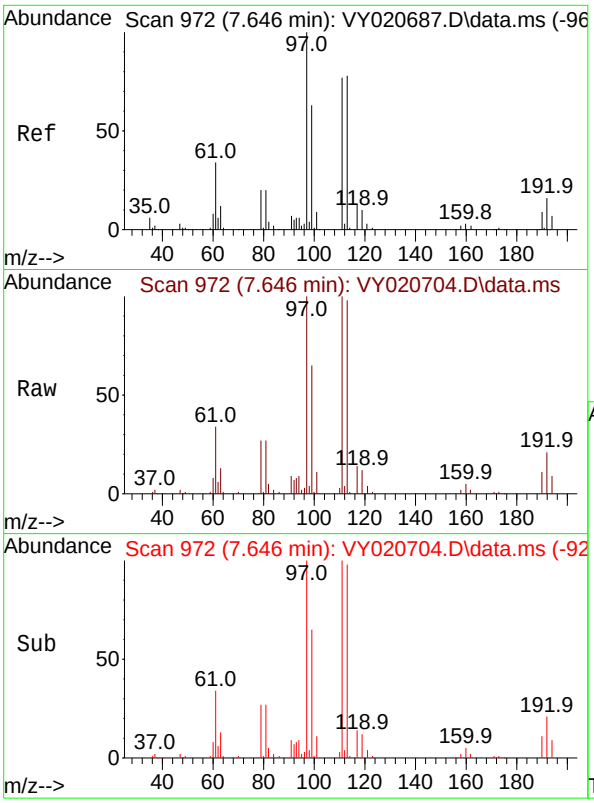


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:114 Resp: 145794

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	15.7	0.0	30.4



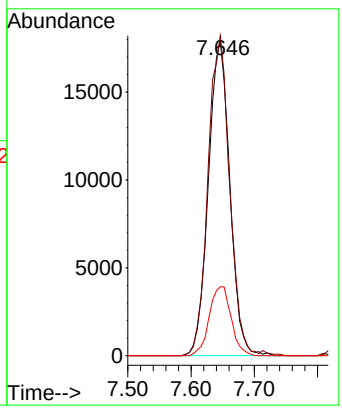


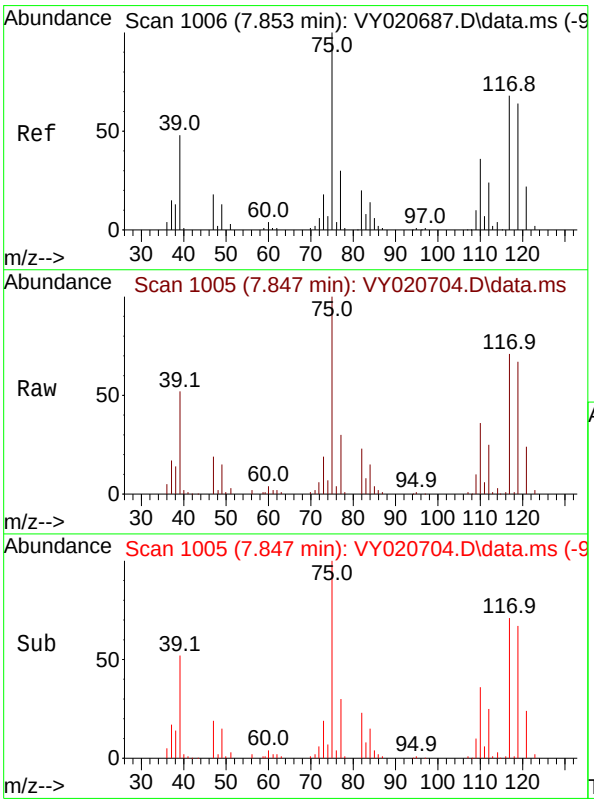
#35
Dibromofluoromethane
Concen: 49.352 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 42249

Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.8	119.8
192	22.3	17.0	25.6

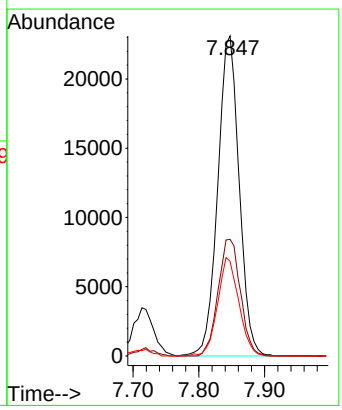


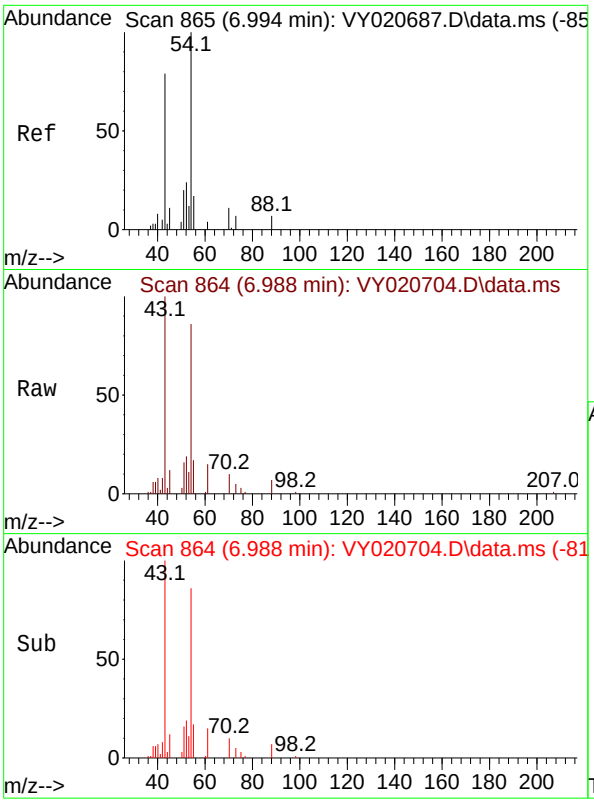


#36
1,1-Dichloropropene
Concen: 50.333 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 52375

Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.6	58.7
77	30.5	25.1	37.7



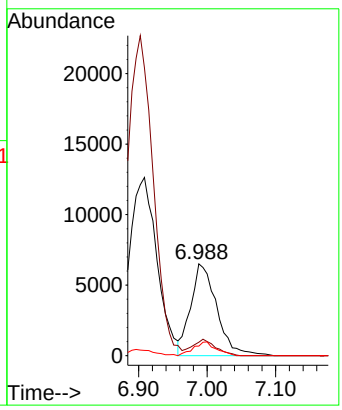


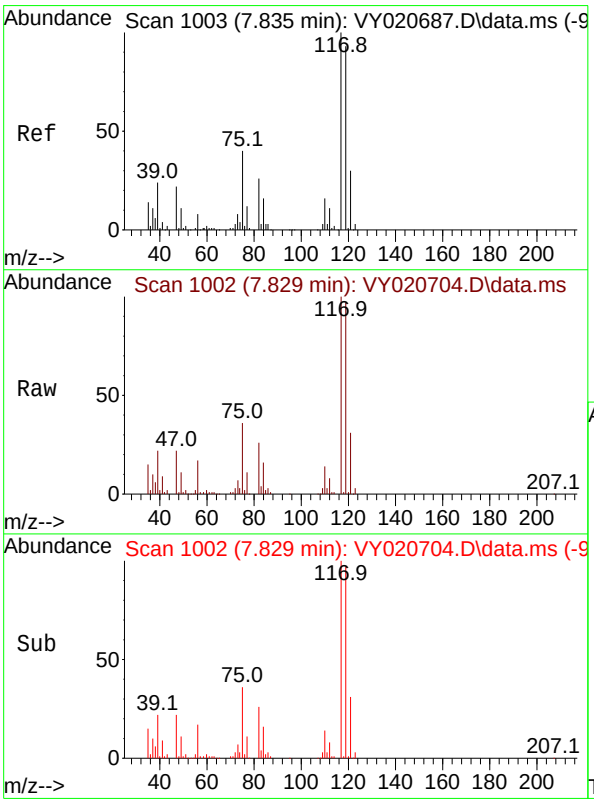
#37
Ethyl Acetate
Concen: 48.851 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 17284

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	12.8	11.0	16.4

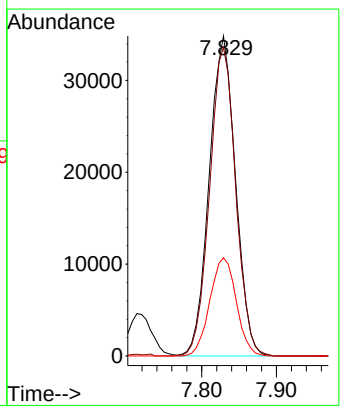


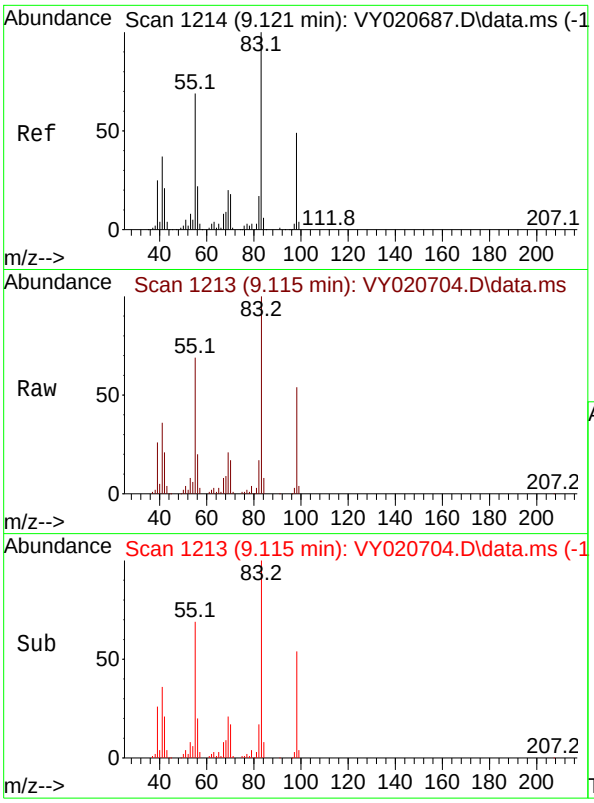


#38
Carbon Tetrachloride
Concen: 50.550 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:117 Resp: 85120

Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.4	111.6
121	30.7	24.2	36.2



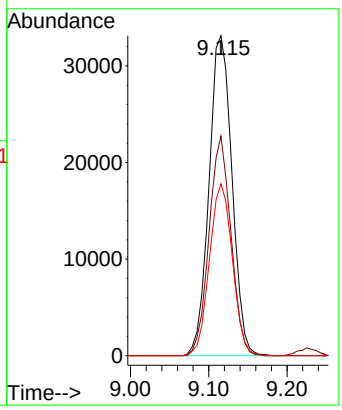


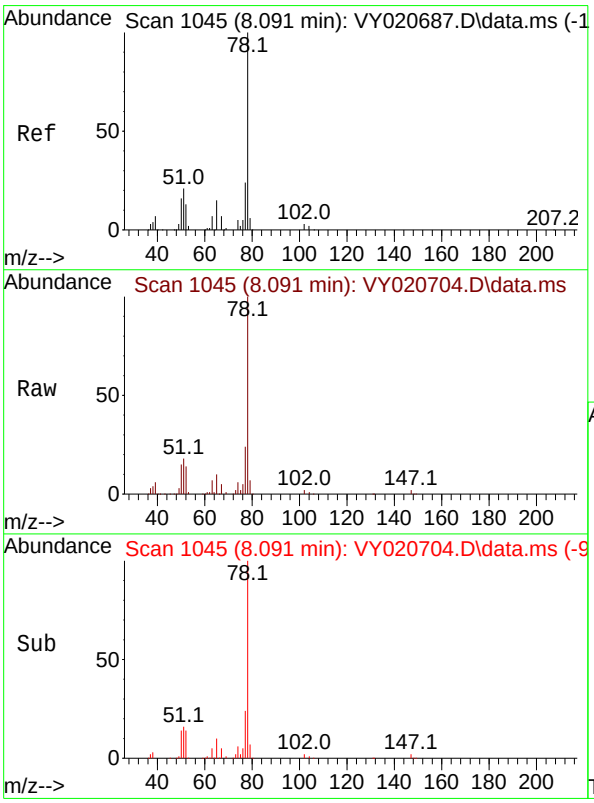
#39
Methylcyclohexane
Concen: 50.989 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 67439

Ion	Ratio	Lower	Upper
83	100		
55	68.6	55.0	82.4
98	53.7	39.0	58.6

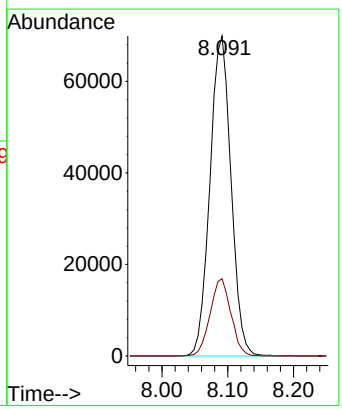


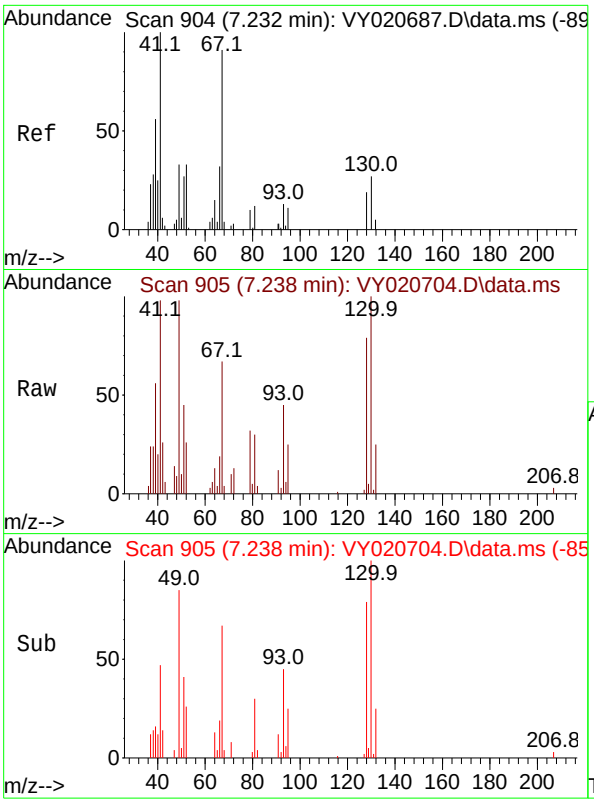


#40
Benzene
Concen: 51.901 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 78 Resp: 155801

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8



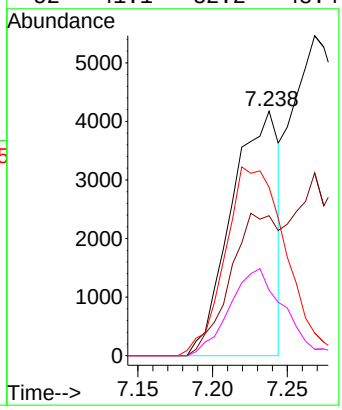


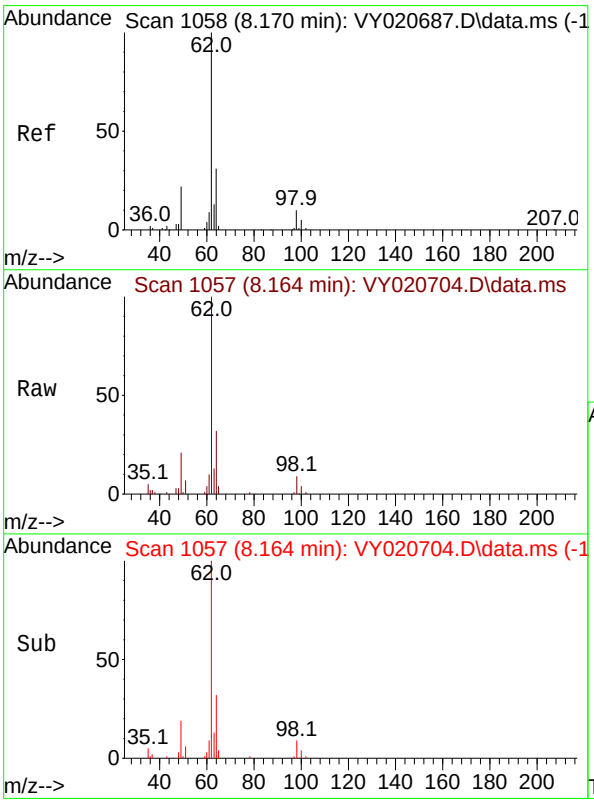
#41
Methacrylonitrile
Concen: 47.528 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 9157

Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.6	70.0
67	98.9	74.7	112.1
52	41.1	32.2	48.4

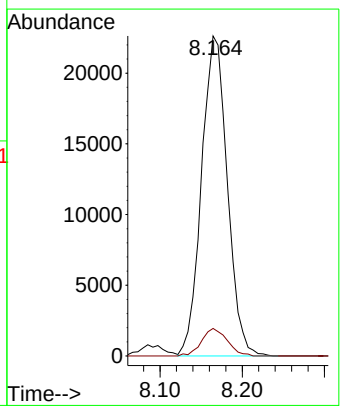


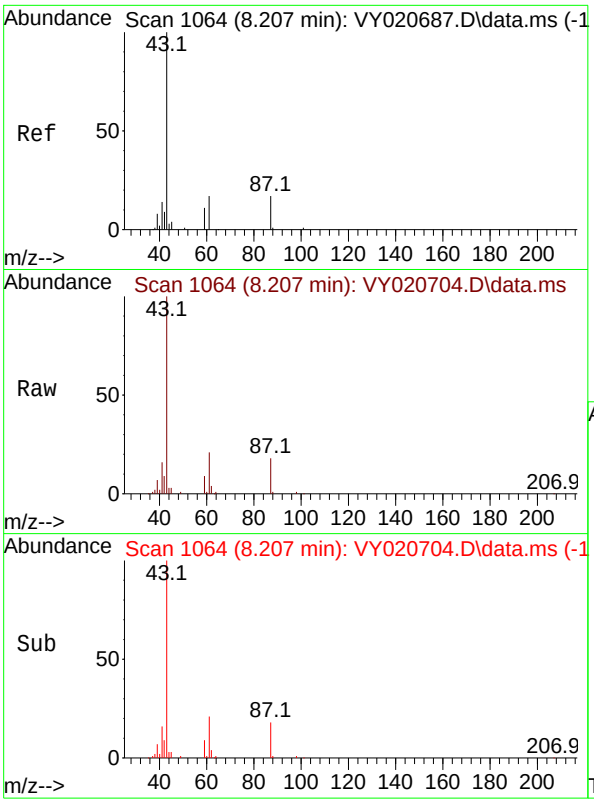


#42
1,2-Dichloroethane
Concen: 51.679 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 62 Resp: 49338

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



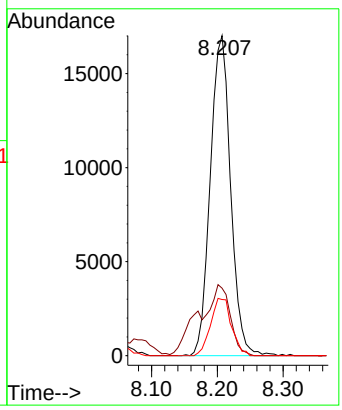


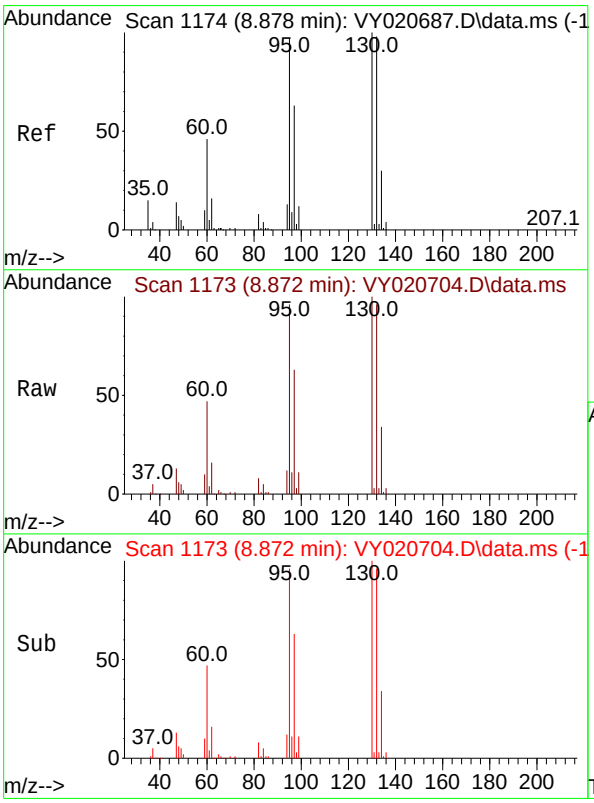
#43
Isopropyl Acetate
Concen: 51.839 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 36640

Ion	Ratio	Lower	Upper
43	100		
61	20.6	27.0	40.4#
87	18.4	14.2	21.4

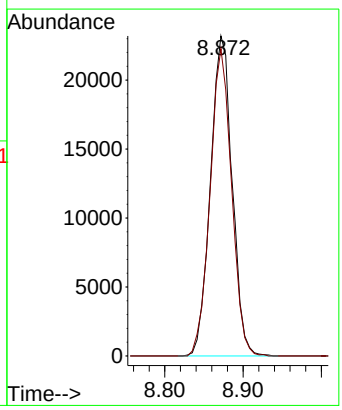


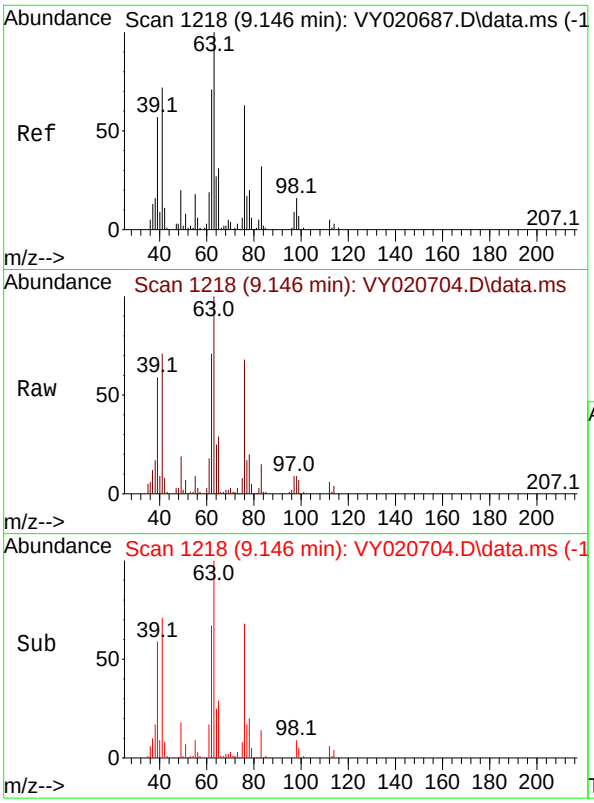


#44
Trichloroethene
Concen: 50.106 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:130 Resp: 44640

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.8



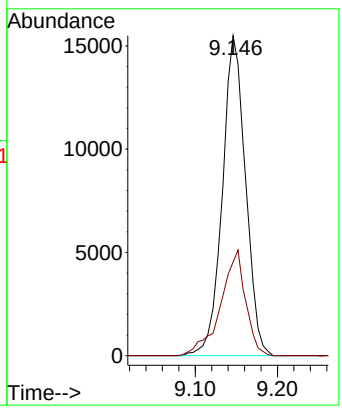


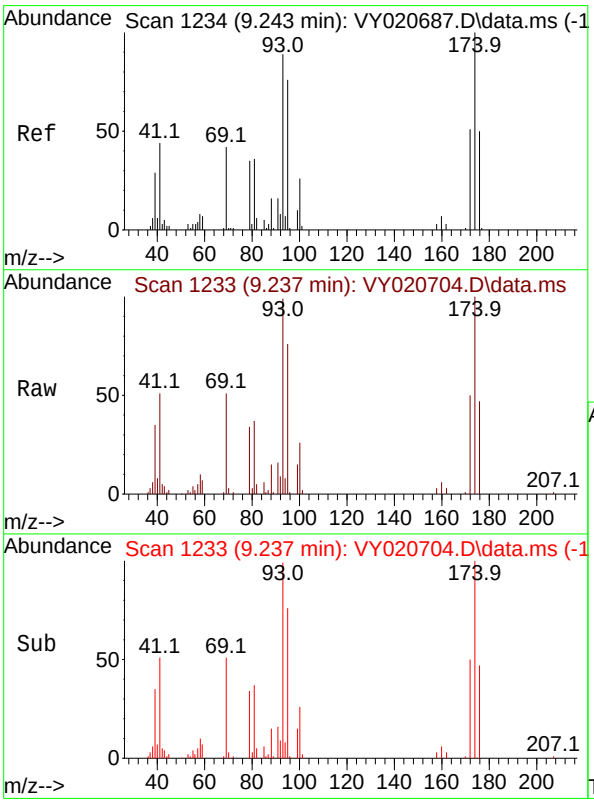
#45
1,2-Dichloropropane
Concen: 51.529 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 30392

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.6	36.8

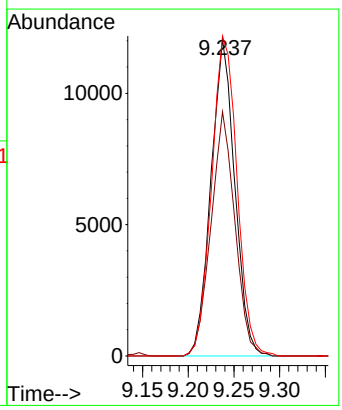


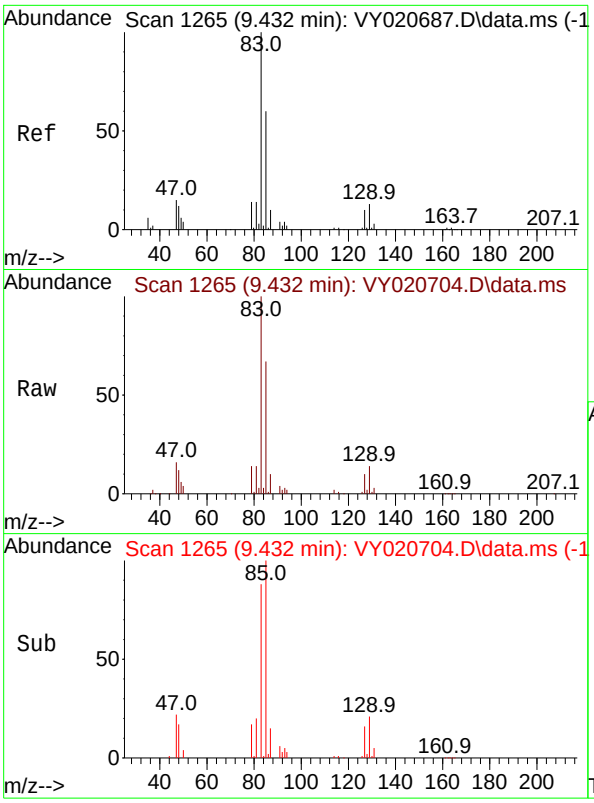


#46
Dibromomethane
Concen: 53.670 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 93 Resp: 21853

Ion	Ratio	Lower	Upper
93	100		
95	77.3	67.8	101.8
174	107.8	89.4	134.0



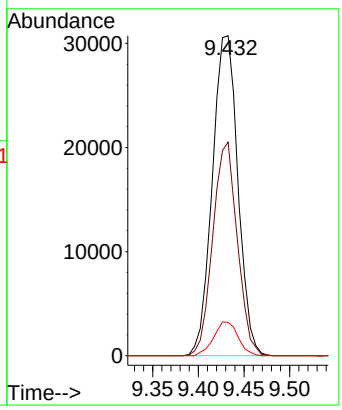


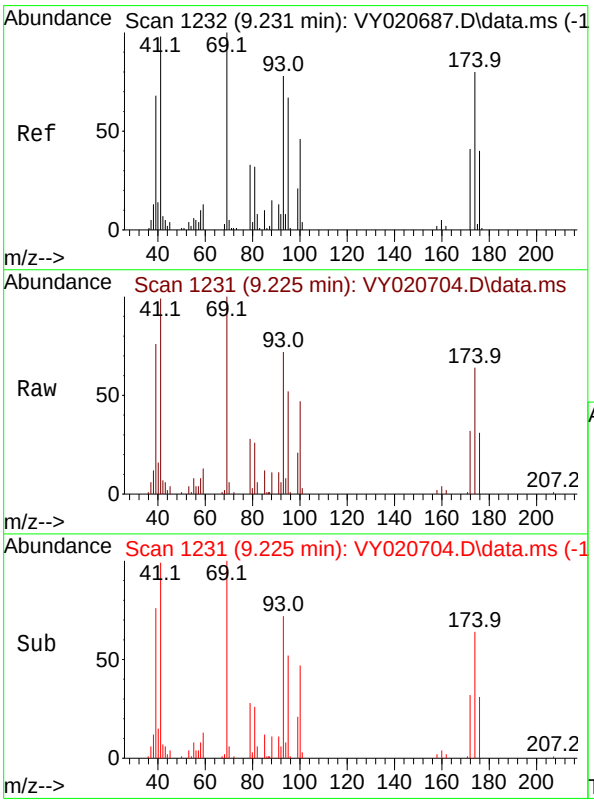
#47
Bromodichloromethane
Concen: 51.794 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 59824

Ion	Ratio	Lower	Upper
83	100		
85	66.8	47.6	71.4
127	10.4	7.9	11.9

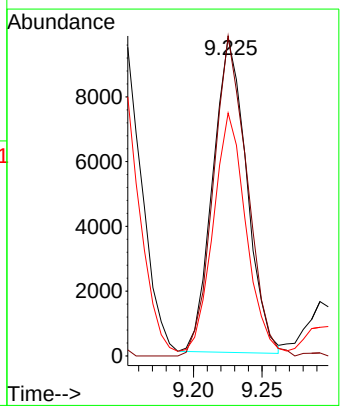


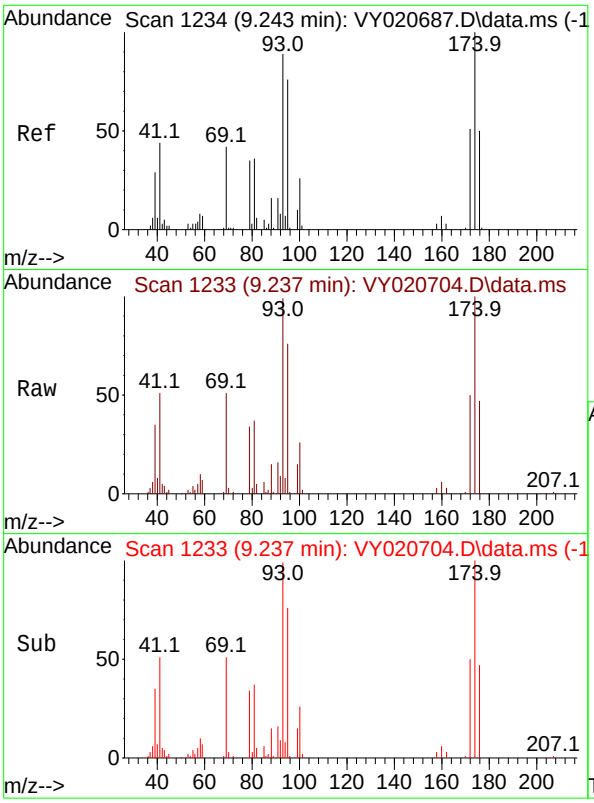


#48
Methyl methacrylate
Concen: 49.594 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 41 Resp: 16617

Ion	Ratio	Lower	Upper
41	100		
69	101.6	83.1	124.7
39	73.2	57.3	85.9



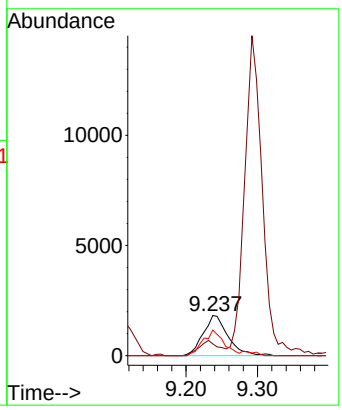


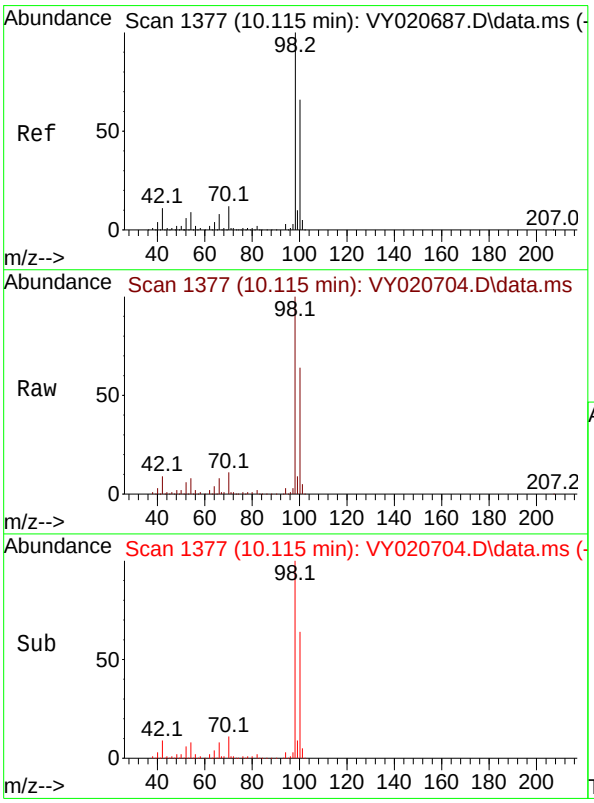
#49
1,4-Dioxane
Concen: 1155.007 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 4411

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.1	33.1
58	53.0	46.7	70.1

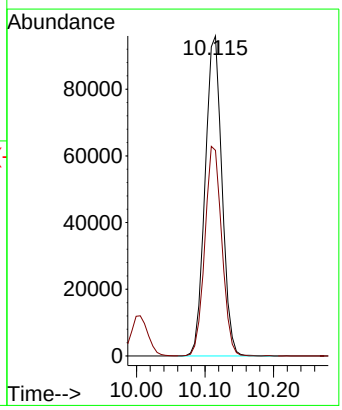


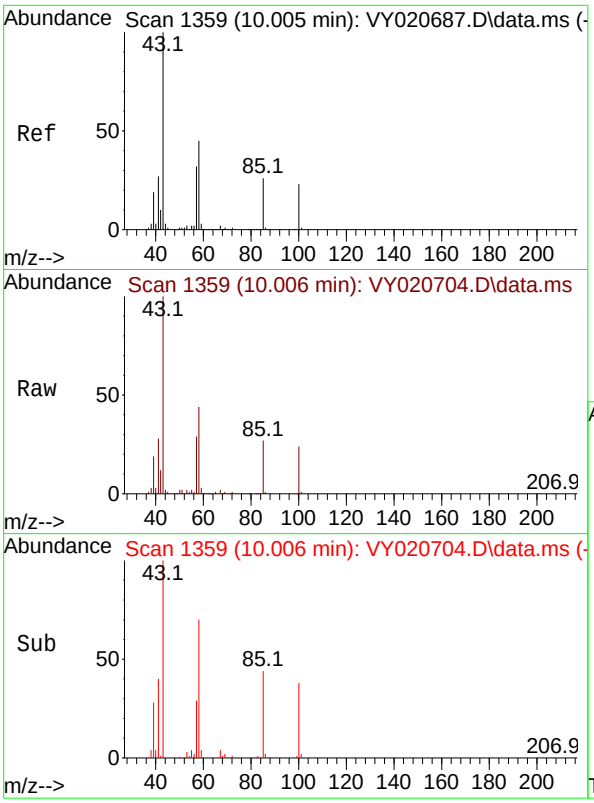


#50
Toluene-d8
Concen: 52.766 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 98 Resp: 164066

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.4



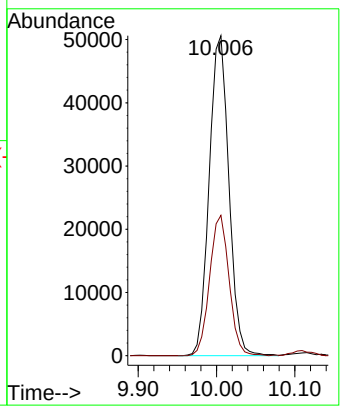


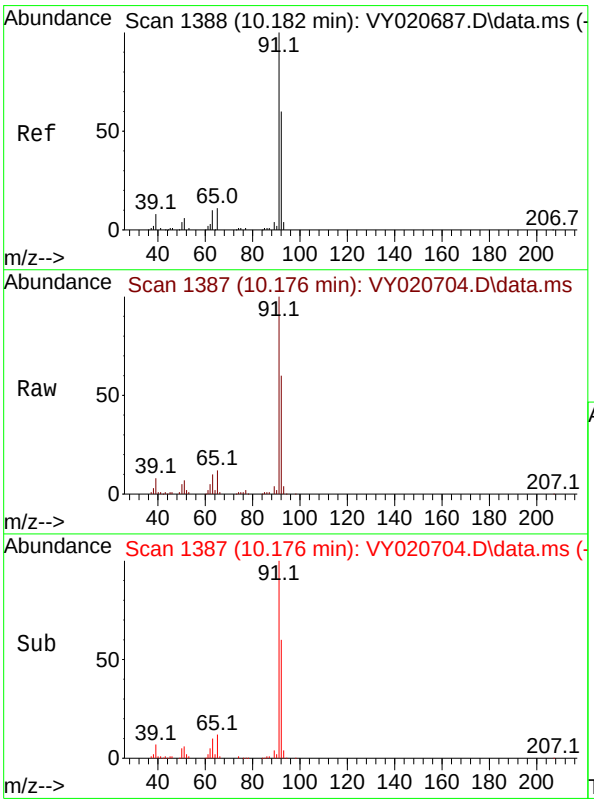
#51
4-Methyl-2-Pentanone
Concen: 250.023 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 88277

Ion	Ratio	Lower	Upper
43	100		
58	43.4	35.1	52.7

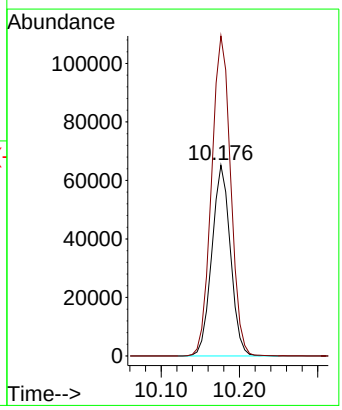


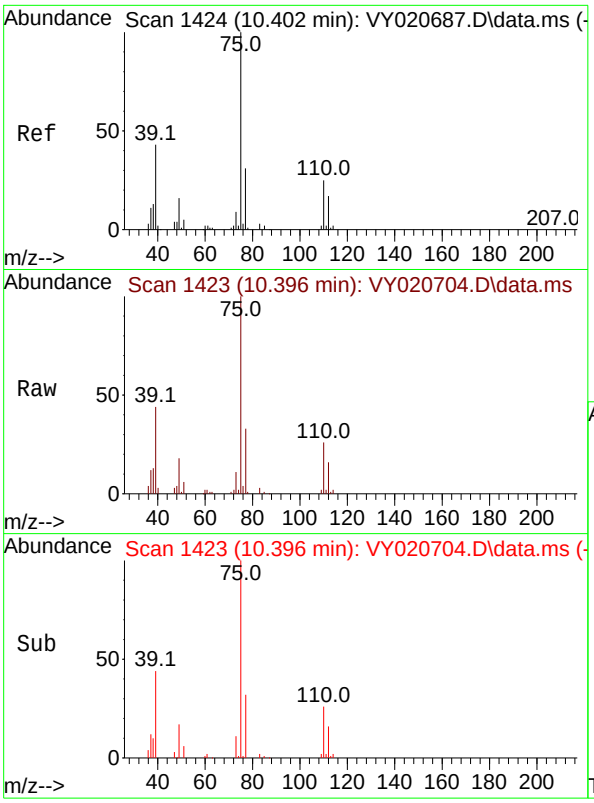


#52
Toluene
Concen: 52.497 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 92 Resp: 107314

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.7	206.5



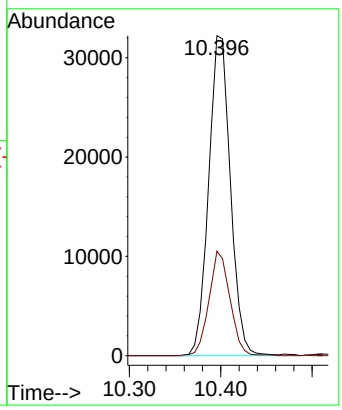


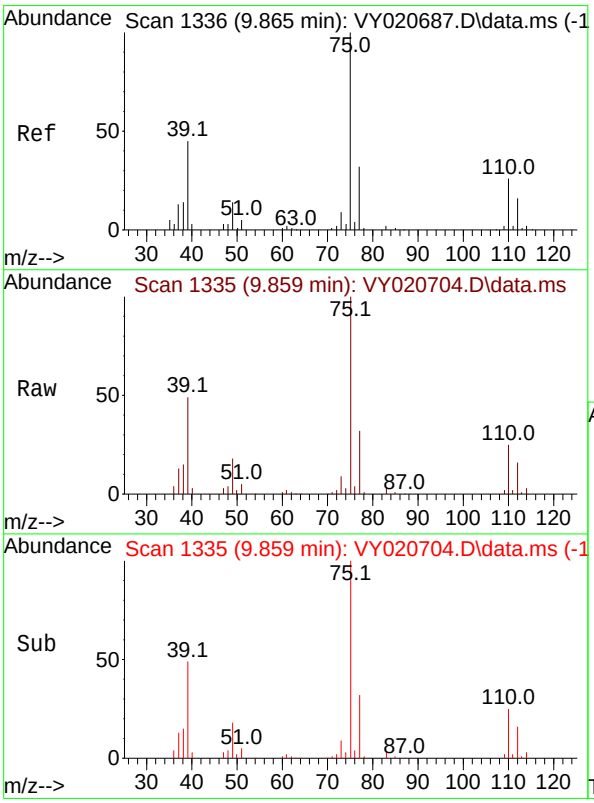
#53
t-1,3-Dichloropropene
Concen: 52.109 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 53257

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7

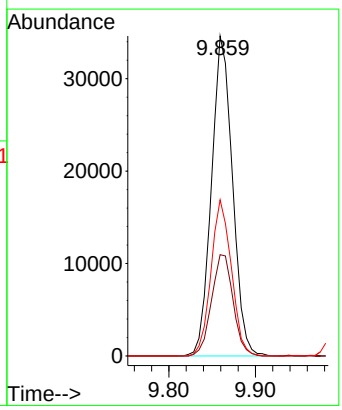


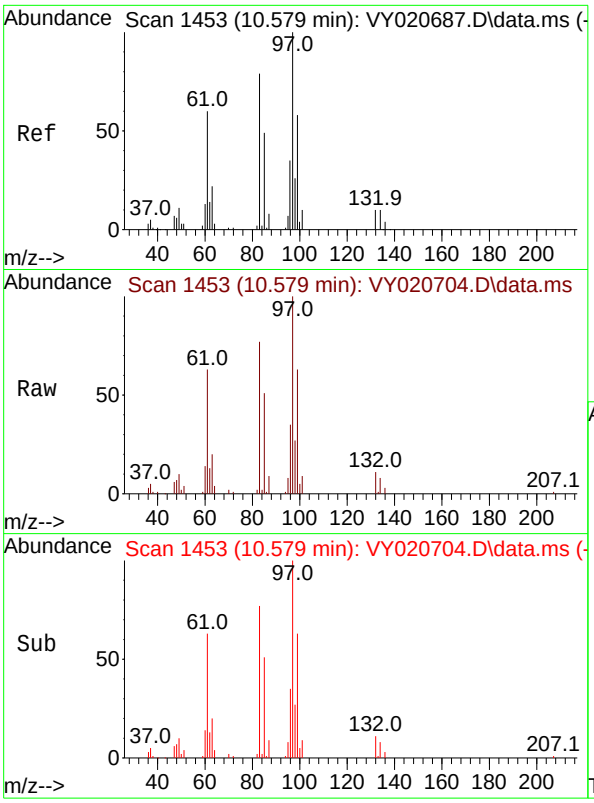


#54
cis-1,3-Dichloropropene
Concen: 51.816 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 58353

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	48.8	36.2	54.2



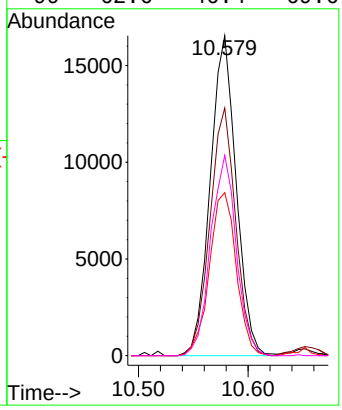


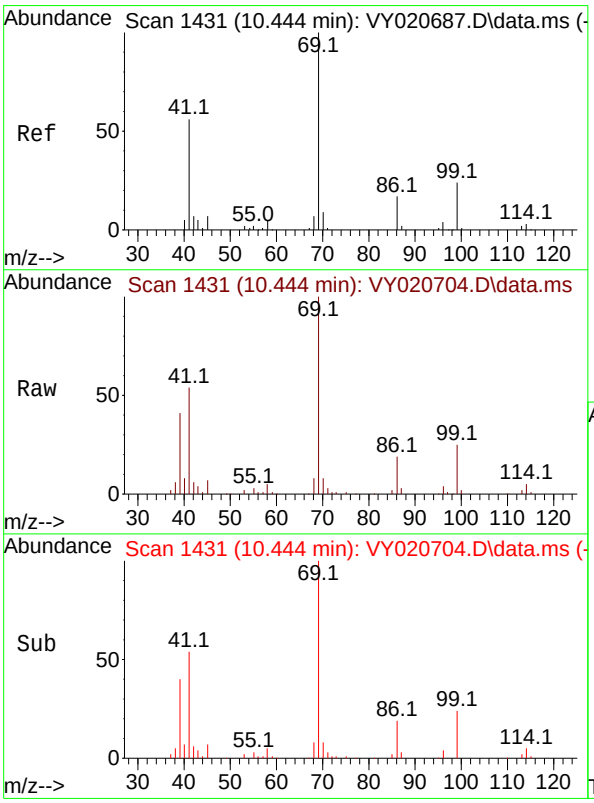
#55
1,1,2-Trichloroethane
Concen: 51.580 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 27194

Ion	Ratio	Lower	Upper
97	100		
83	77.4	63.1	94.7
85	50.9	39.5	59.3
99	62.6	46.4	69.6

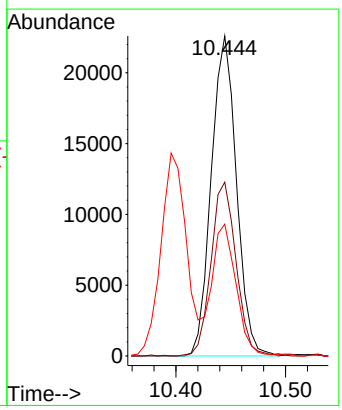


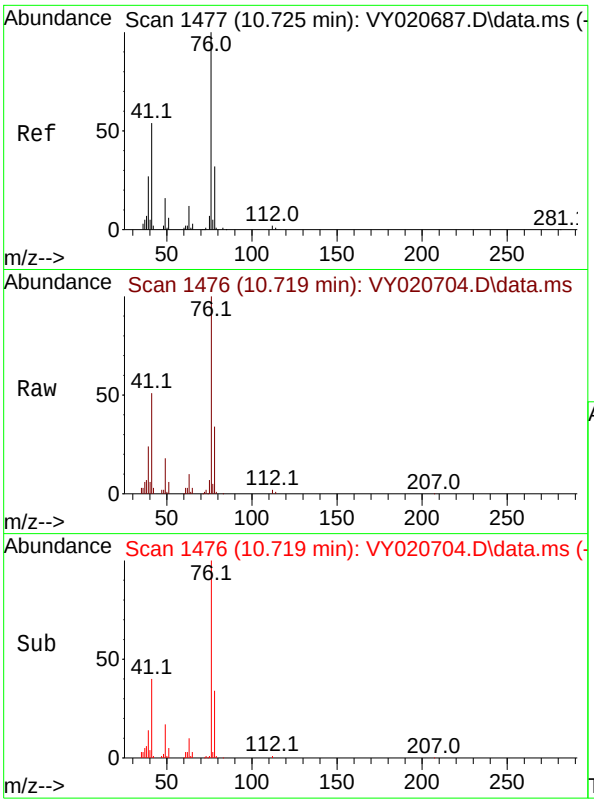


#56
Ethyl methacrylate
Concen: 53.588 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 69 Resp: 36039

Ion	Ratio	Lower	Upper
69	100		
41	54.3	43.8	65.6
39	39.7	32.0	48.0



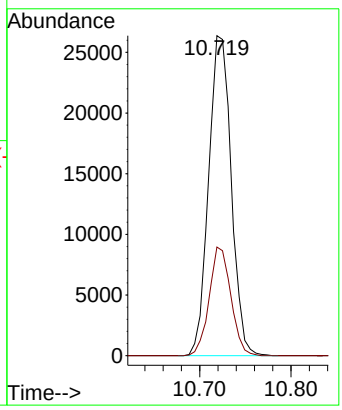


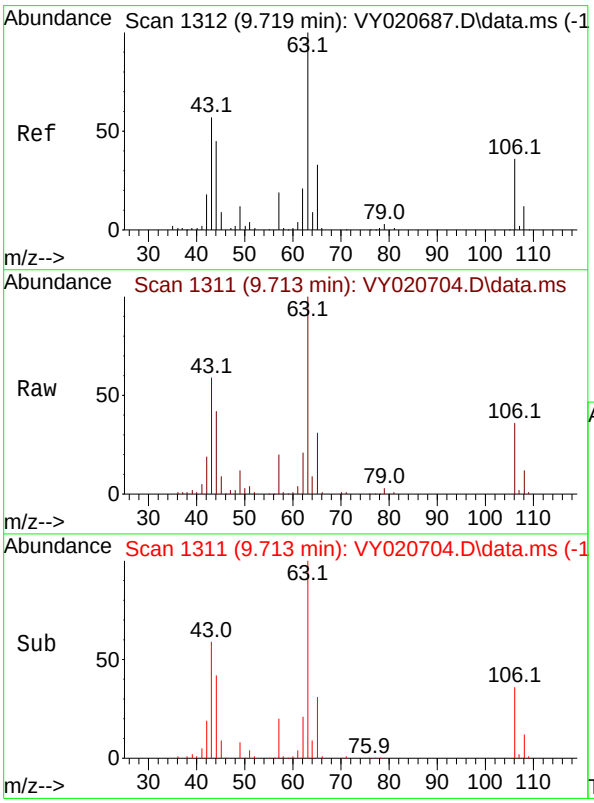
#57
1,3-Dichloropropane
Concen: 52.518 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 45260

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.0	37.6

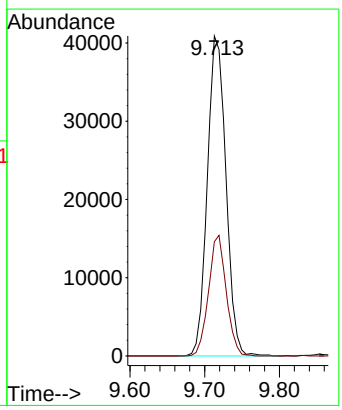


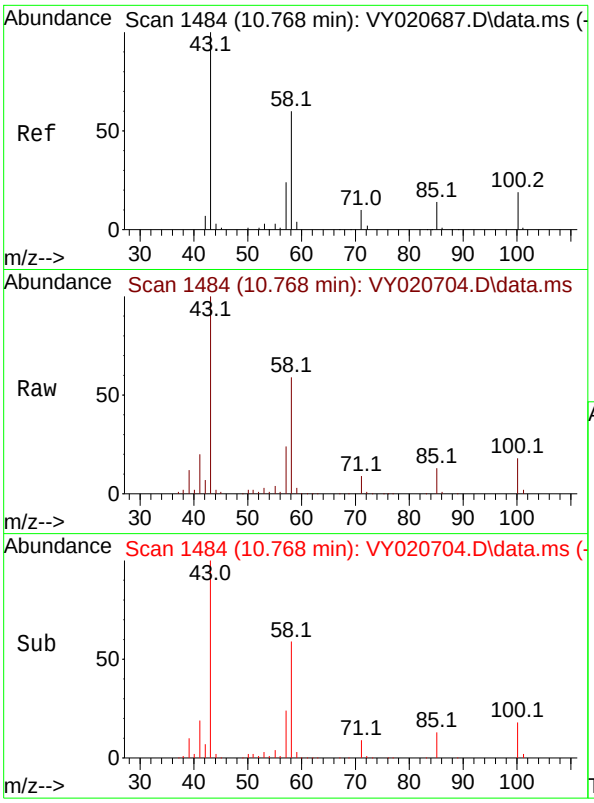


#58
2-Chloroethyl Vinyl ether
Concen: 281.507 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 63 Resp: 70747

Ion	Ratio	Lower	Upper
63	100		
106	35.9	29.1	43.7



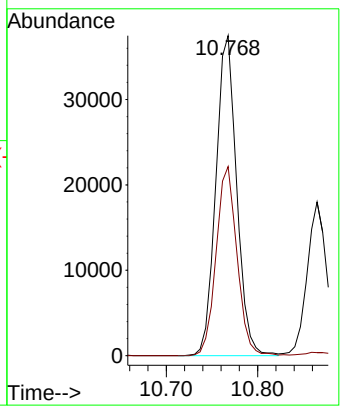


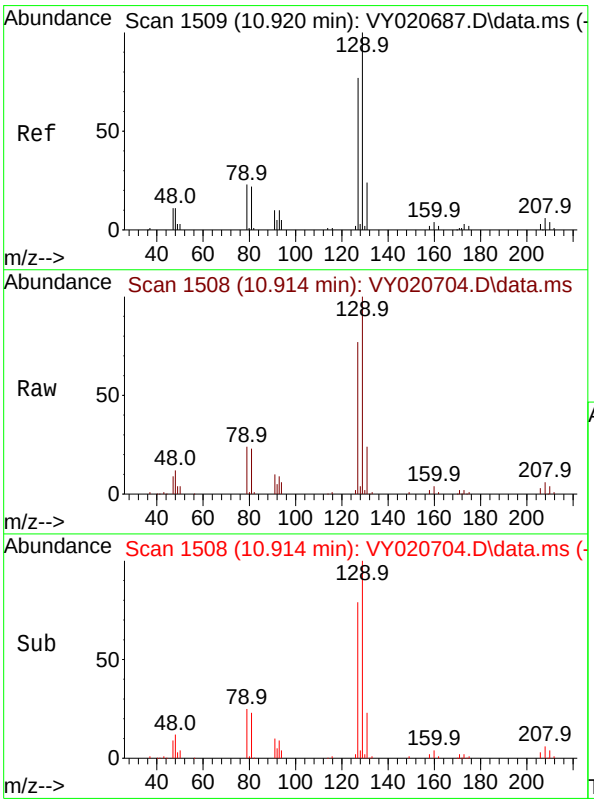
#59
2-Hexanone
Concen: 264.044 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 59383

Ion	Ratio	Lower	Upper
43	100		
58	59.3	30.1	90.5

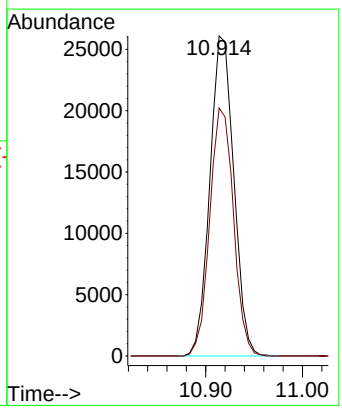


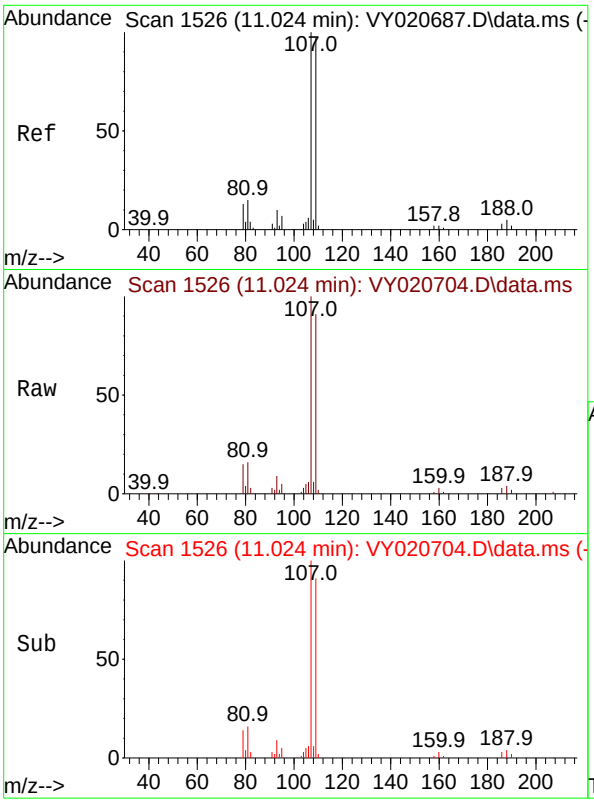


#60
Dibromochloromethane
Concen: 53.267 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:129 Resp: 44838

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



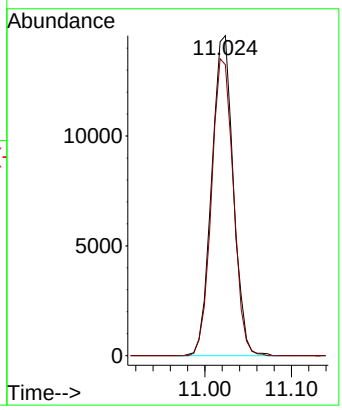


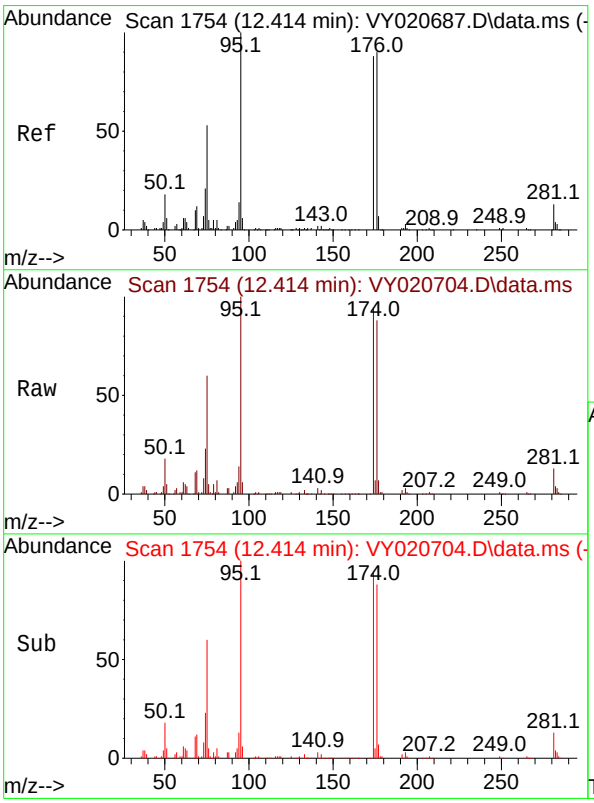
#61
1,2-Dibromoethane
Concen: 51.212 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 25312

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.5	113.3

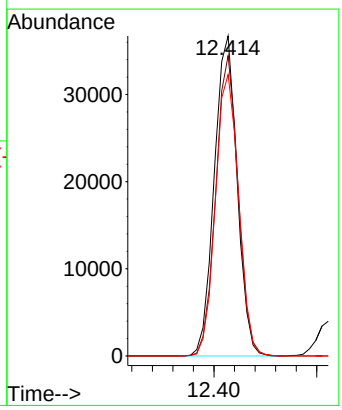


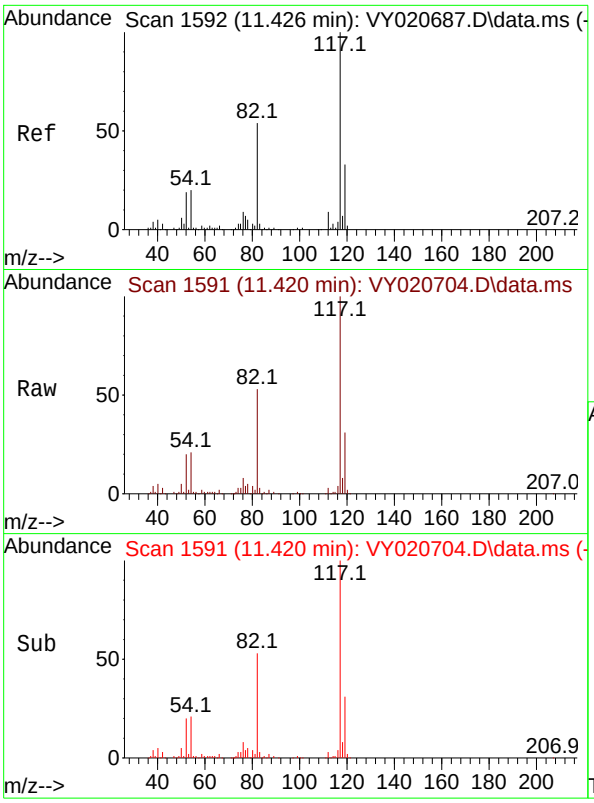


#62
4-Bromofluorobenzene
Concen: 49.910 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 95 Resp: 56483

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	179.2
176	89.3	0.0	179.8



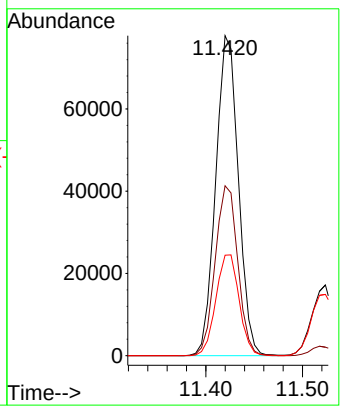


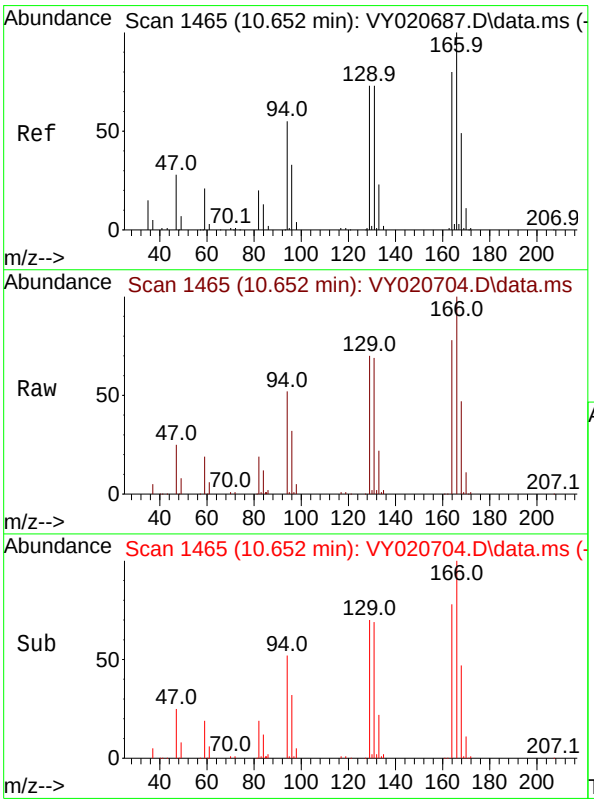
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 126465

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.2
119	31.4	26.6	39.8

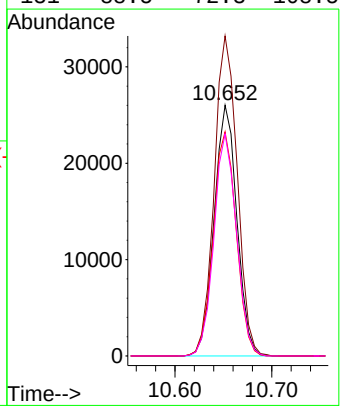


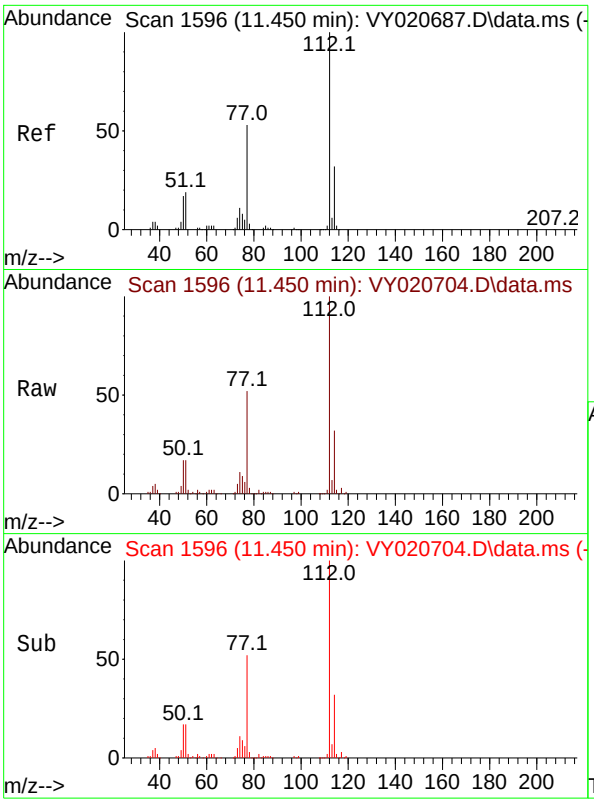


#64
Tetrachloroethene
Concen: 50.635 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:164 Resp: 42528

Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.6	149.4
129	89.4	73.0	109.4
131	88.5	72.3	108.5



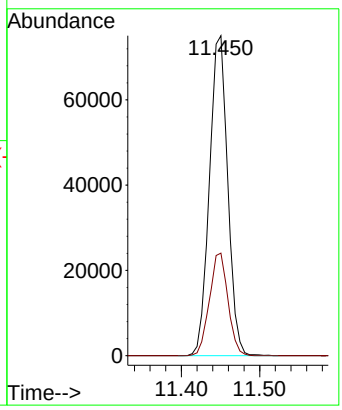


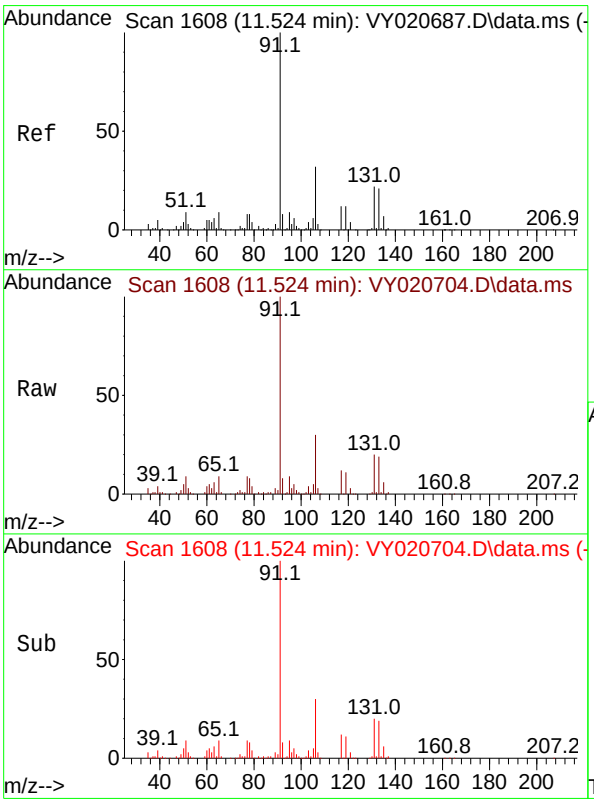
#65
Chlorobenzene
Concen: 51.417 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 121510

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

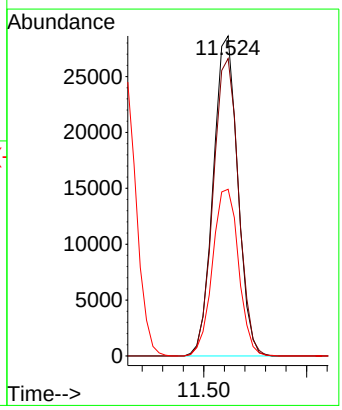


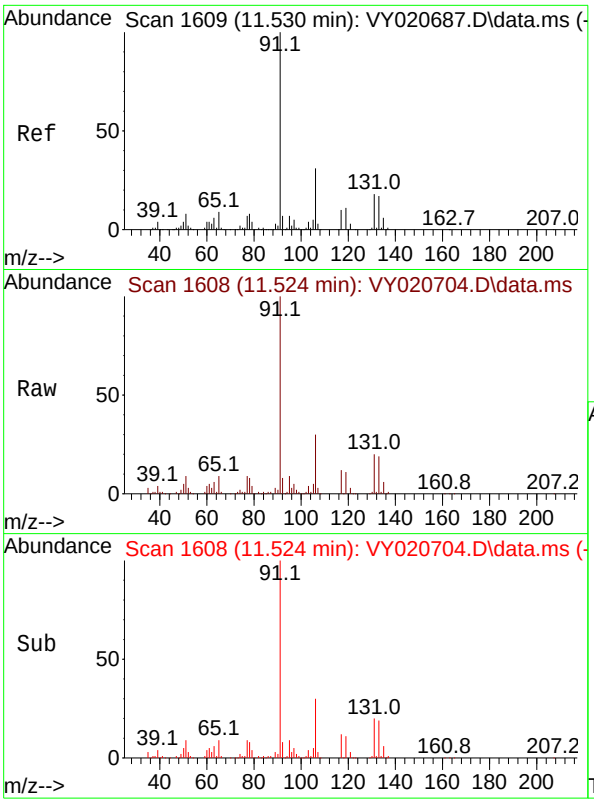


#66
1,1,1,2-Tetrachloroethane
Concen: 51.228 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:131 Resp: 47276

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	55.5	28.4	85.3



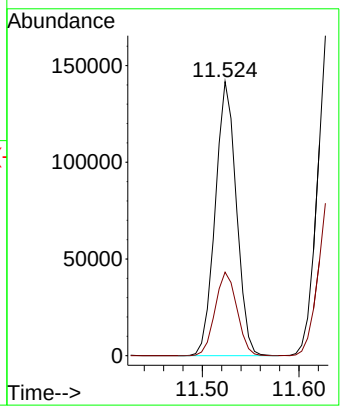


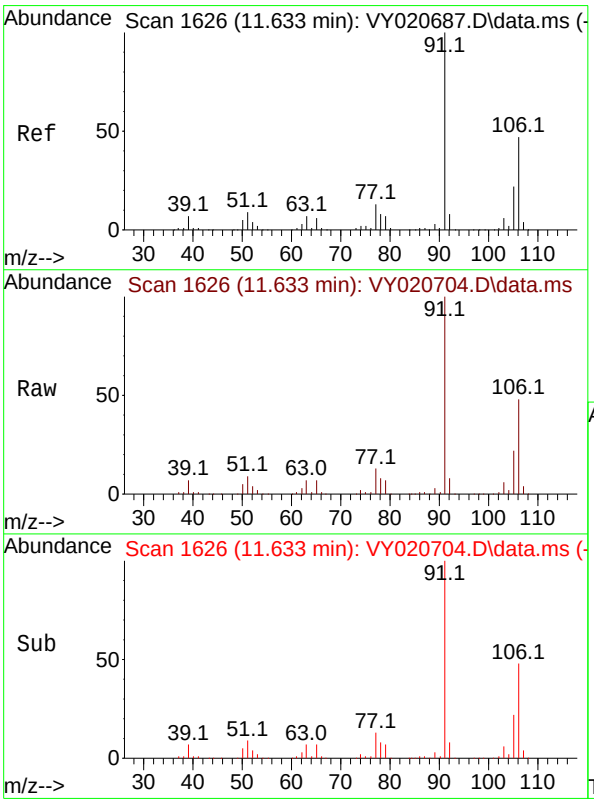
#67
Ethyl Benzene
Concen: 50.554 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 214345

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

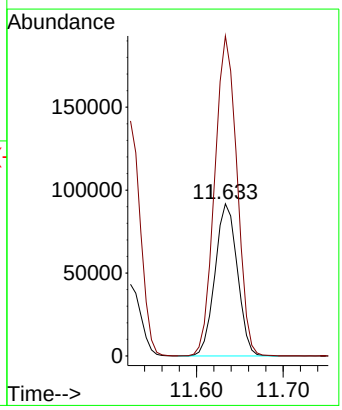


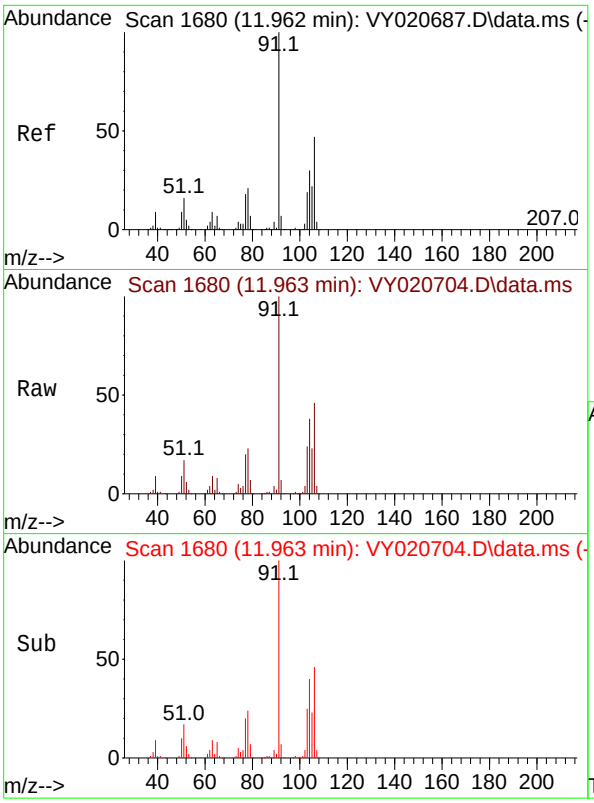


#68
m/p-Xylenes
Concen: 101.778 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:106 Resp: 164557

Ion	Ratio	Lower	Upper
106	100		
91	209.6	166.6	250.0



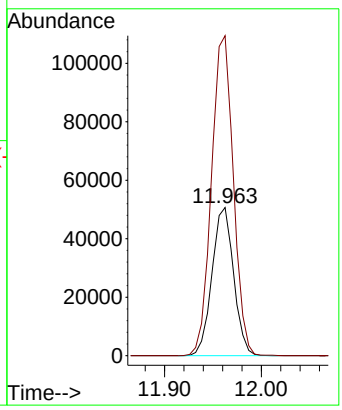


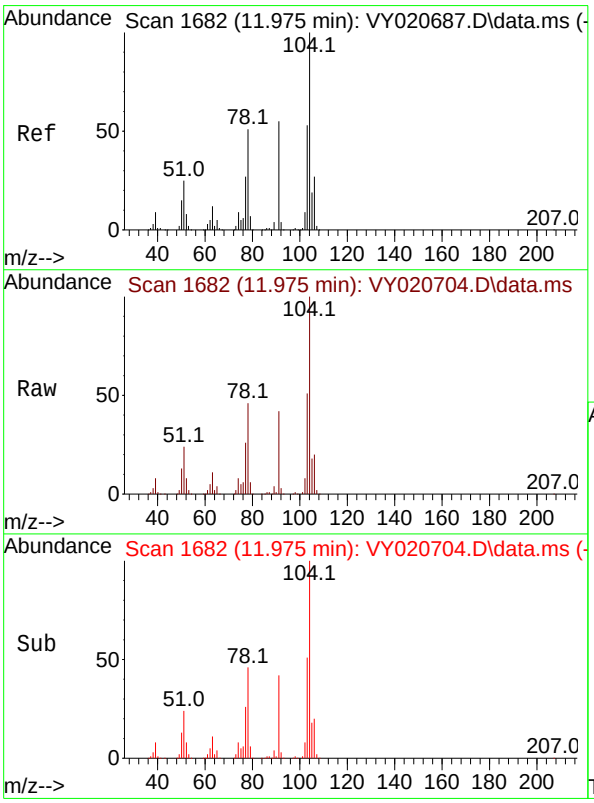
#69
o-Xylene
Concen: 51.751 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 78598

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.6	325.8

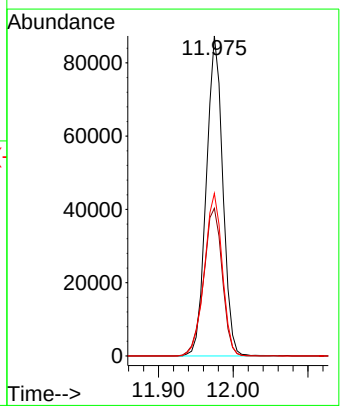


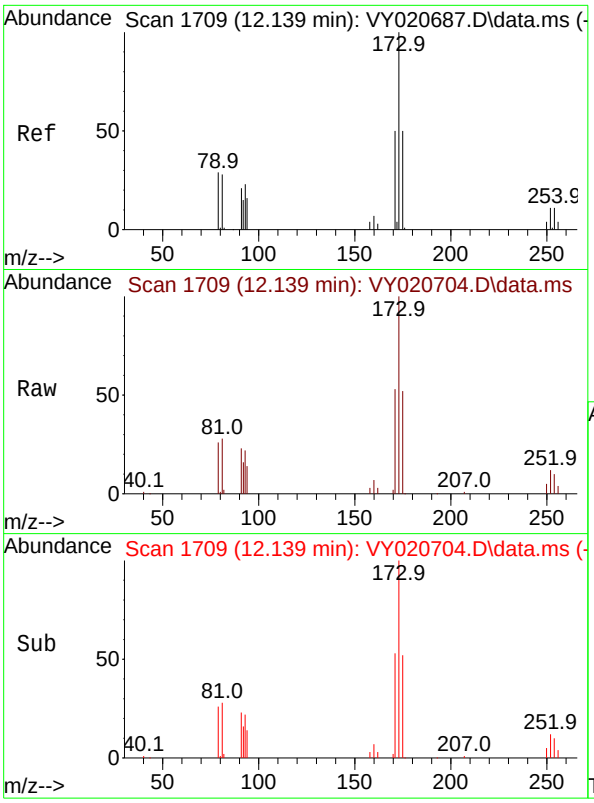


#70
Styrene
Concen: 52.384 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:104 Resp: 133817

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.0	64.4
103	55.1	44.4	66.6



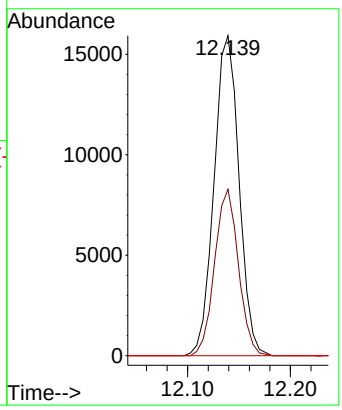


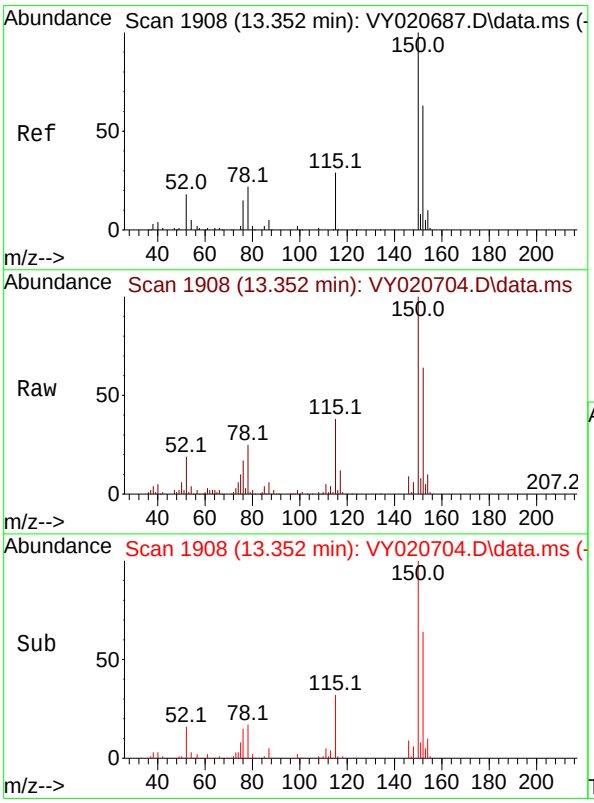
#71
Bromoform
Concen: 50.753 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 26828

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.0	0.0

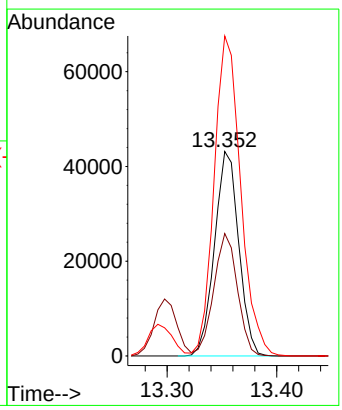


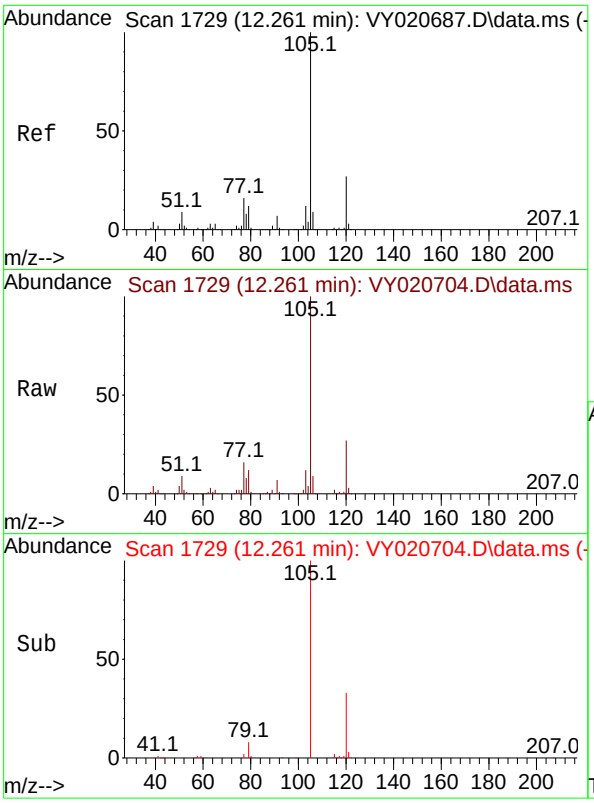


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:152 Resp: 66302

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.3	90.9
150	171.2	0.0	349.0



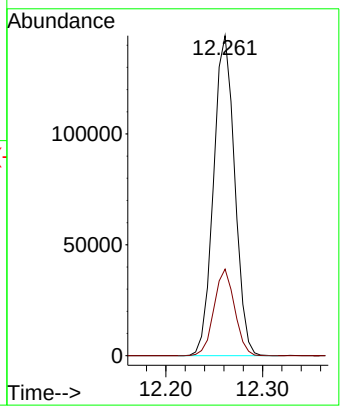


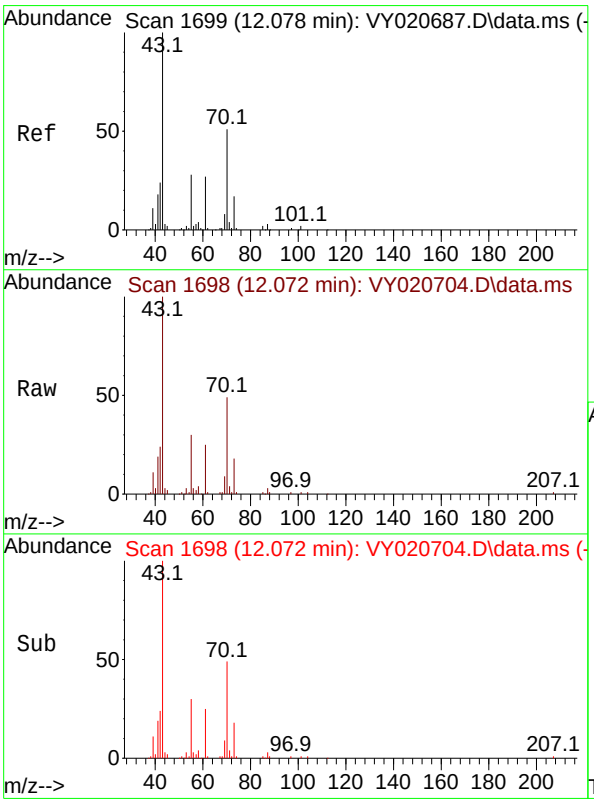
#73
Isopropylbenzene
Concen: 48.610 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 219224

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

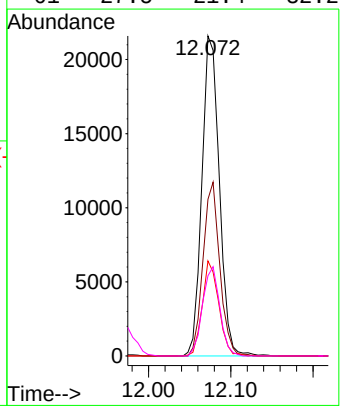


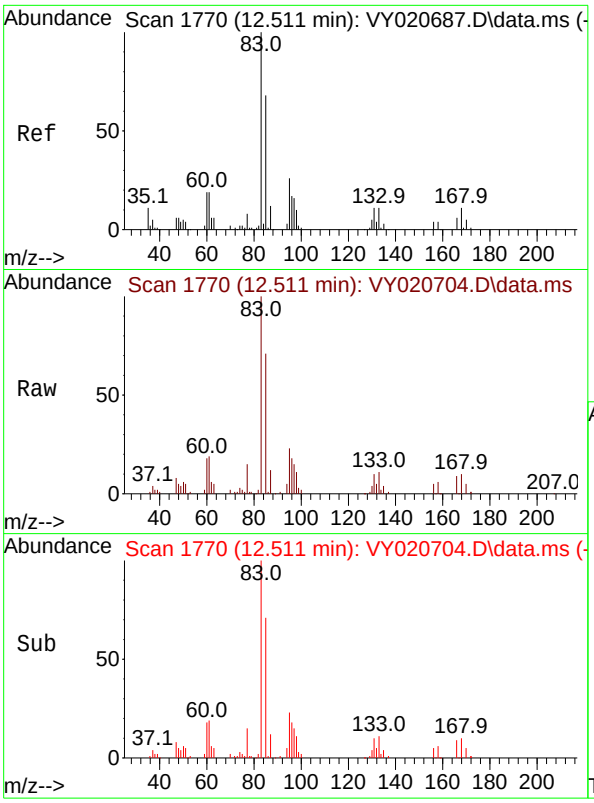


#74
N-amyl acetate
Concen: 50.222 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 43 Resp: 31826

Ion	Ratio	Lower	Upper
43	100		
70	52.1	39.7	59.5
55	28.1	21.5	32.3
61	27.5	21.4	32.2



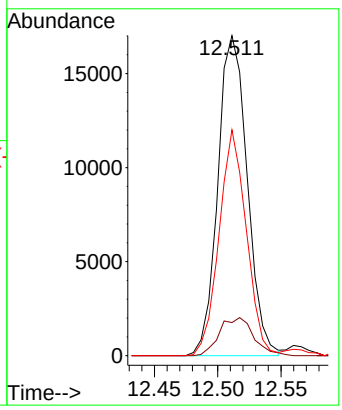


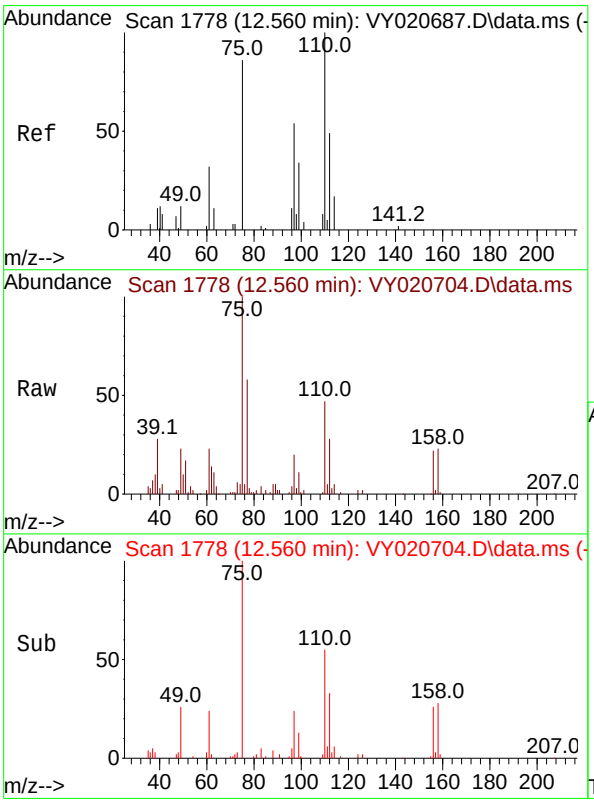
#75
1,1,2,2-Tetrachloroethane
Concen: 47.365 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 27488

Ion	Ratio	Lower	Upper
83	100		
131	13.9	6.9	20.7
85	65.5	32.5	97.4

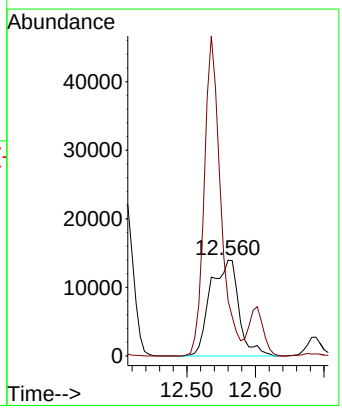


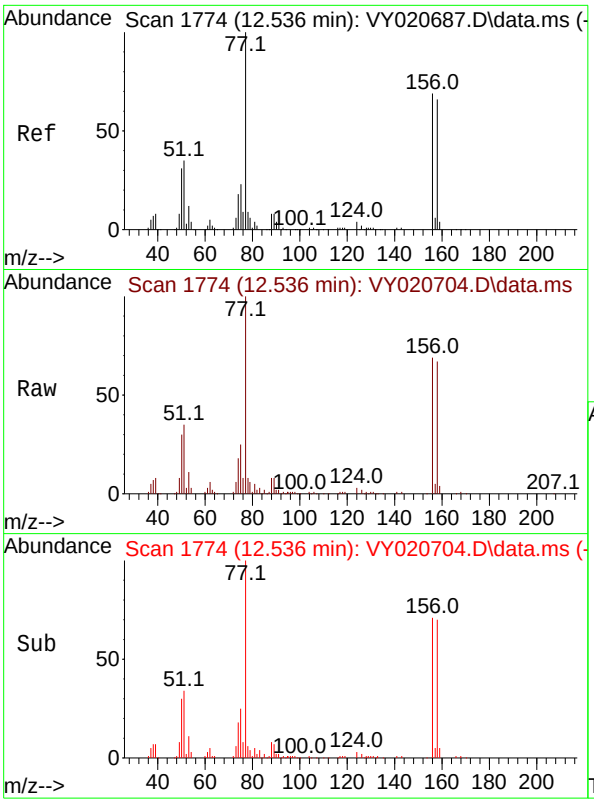


#76
1,2,3-Trichloropropane
Concen: 87.891 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 40188

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



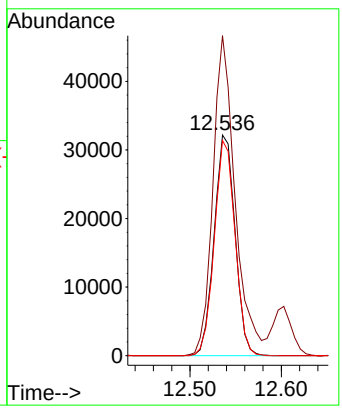


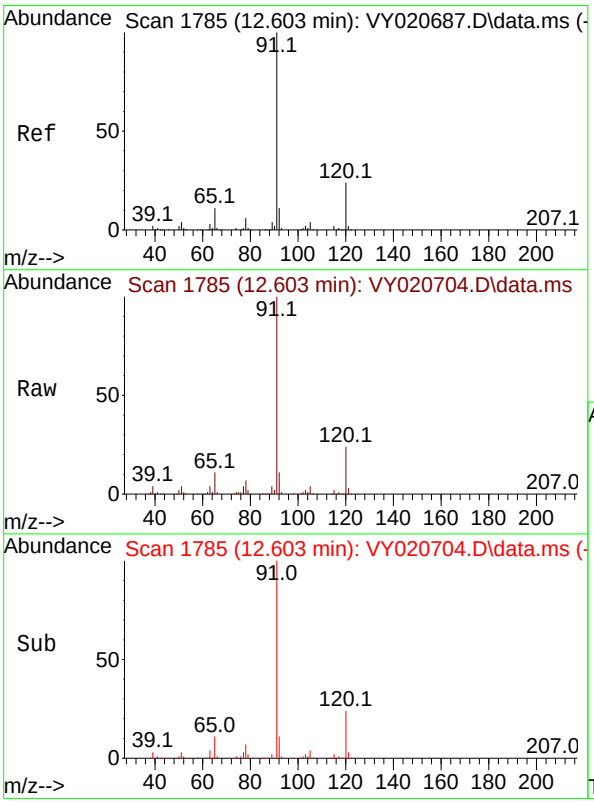
#77
Bromobenzene
Concen: 49.756 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 51097

Ion	Ratio	Lower	Upper
156	100		
77	153.0	78.3	235.0
158	96.8	48.3	144.9

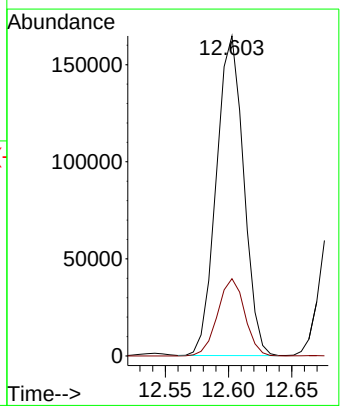


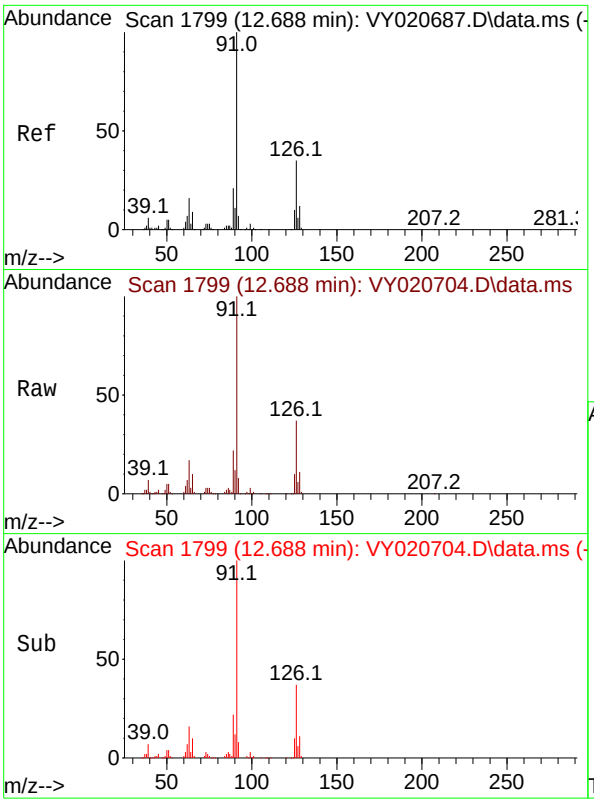


#78
n-propylbenzene
Concen: 48.719 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 247710

Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8



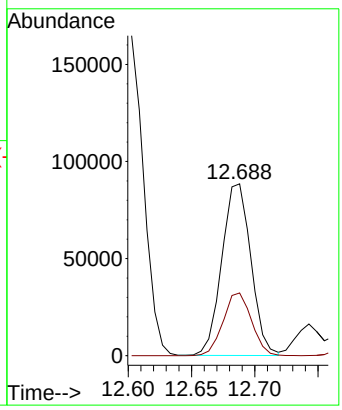


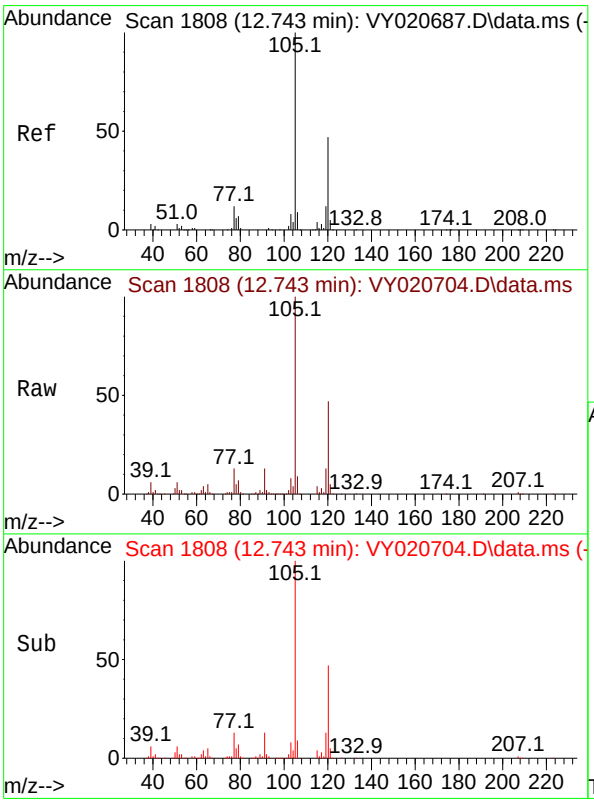
#79
2-Chlorotoluene
Concen: 48.911 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 141572

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3

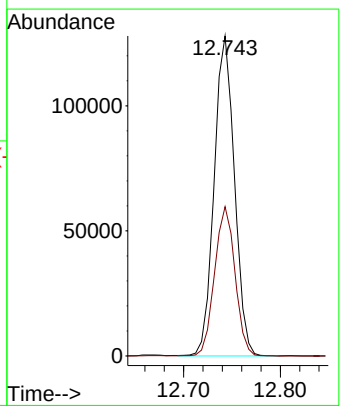


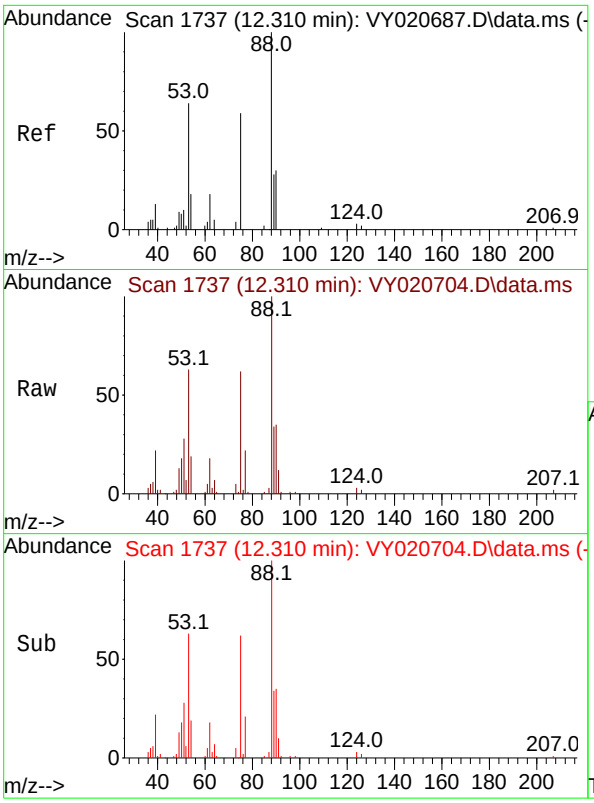


#80
1,3,5-Trimethylbenzene
Concen: 49.839 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 186425

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7



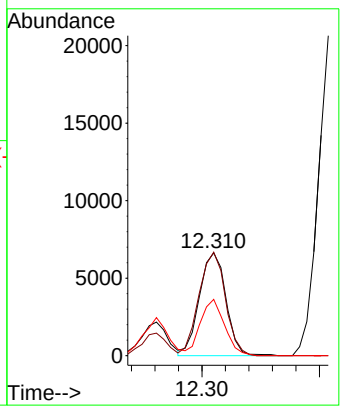


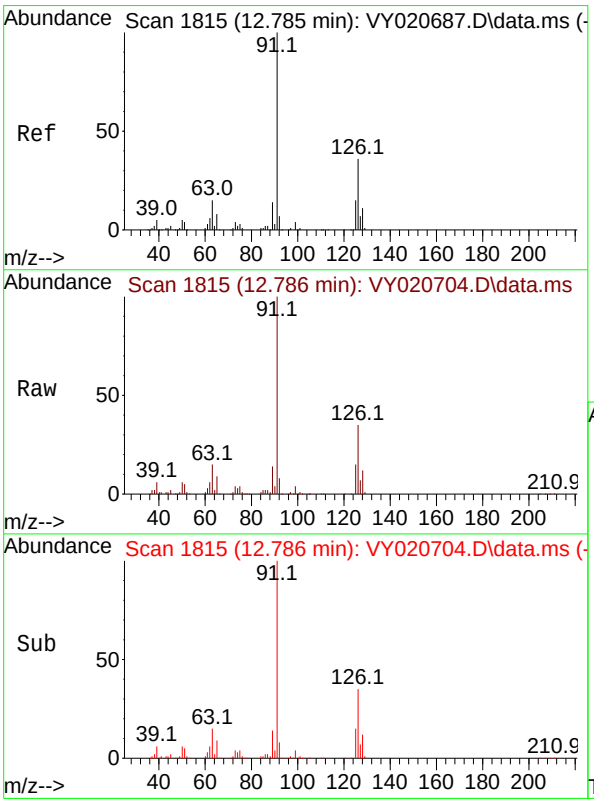
#81
trans-1,4-Dichloro-2-butene
Concen: 49.690 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 10452

Ion	Ratio	Lower	Upper
75	100		
53	100.3	83.1	124.7
89	49.6	40.6	61.0

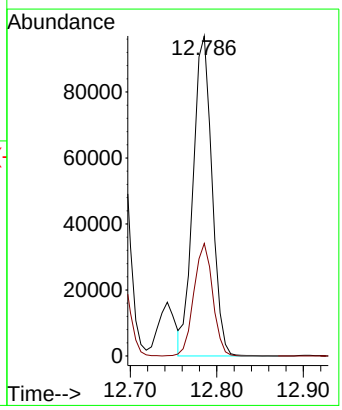


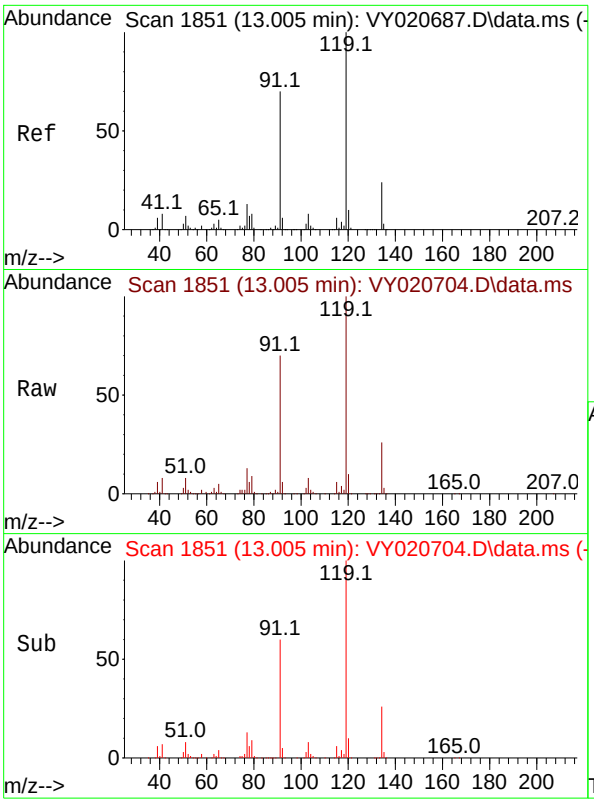


#82
4-Chlorotoluene
Concen: 49.759 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 91 Resp: 146889

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5



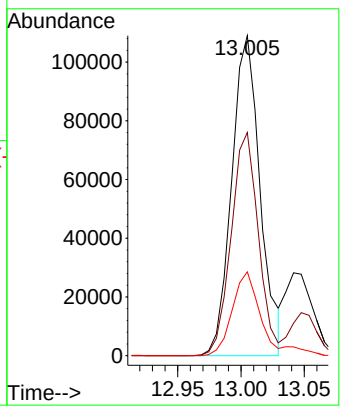


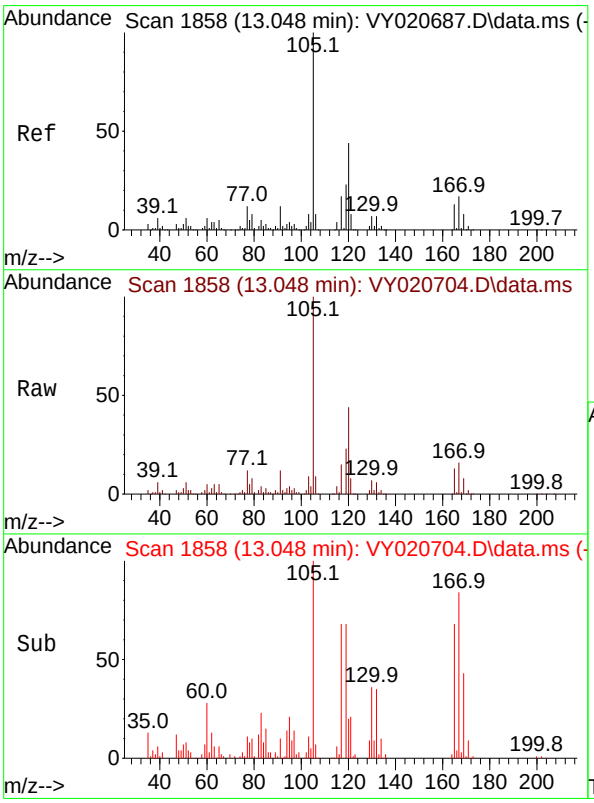
#83
tert-Butylbenzene
Concen: 49.098 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 170884

Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.6	100.8
134	27.1	13.4	40.2

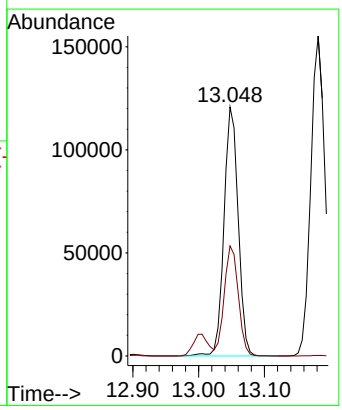


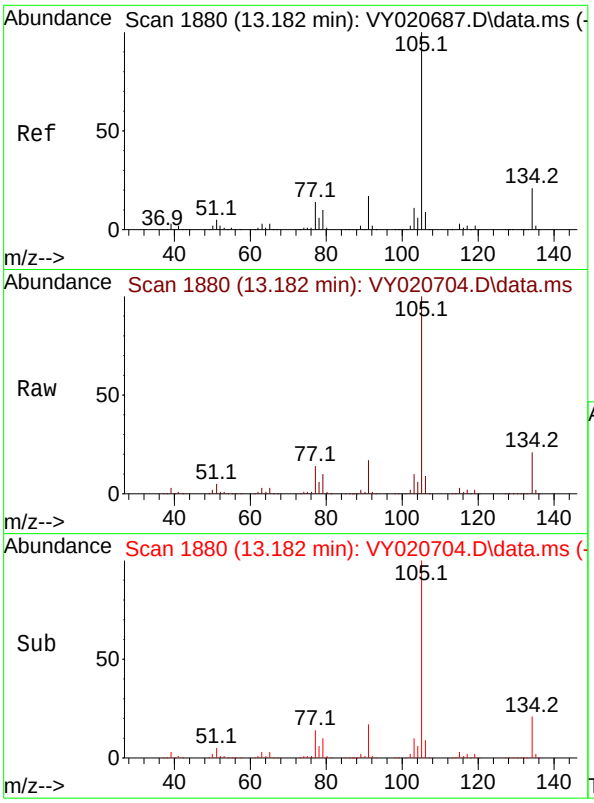


#84
1,2,4-Trimethylbenzene
Concen: 49.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:105 Resp: 181401

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.3



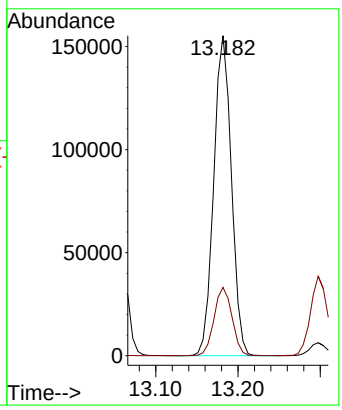


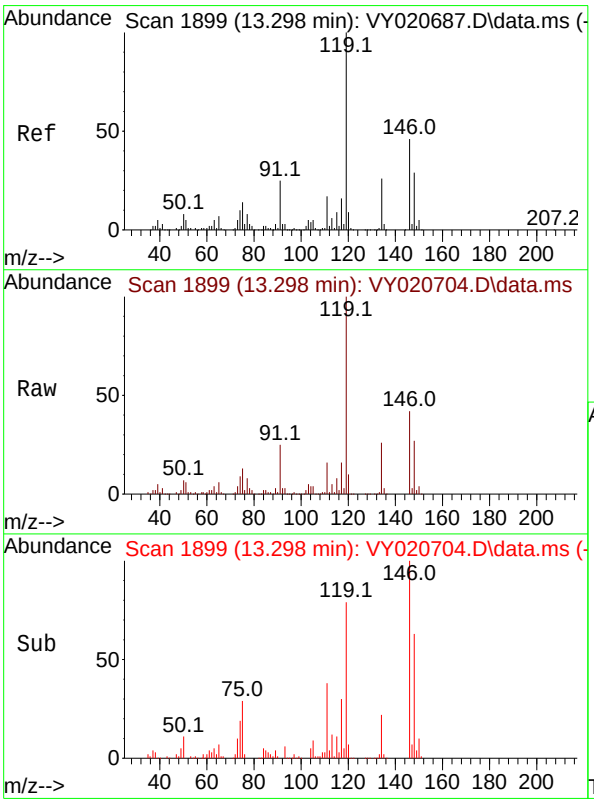
#85
sec-Butylbenzene
Concen: 49.454 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 231763

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1

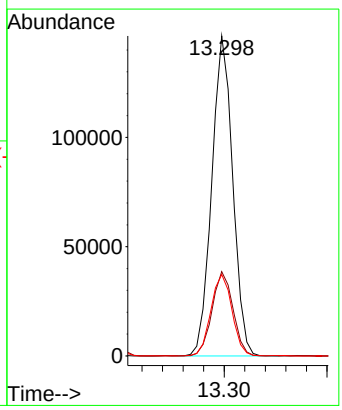


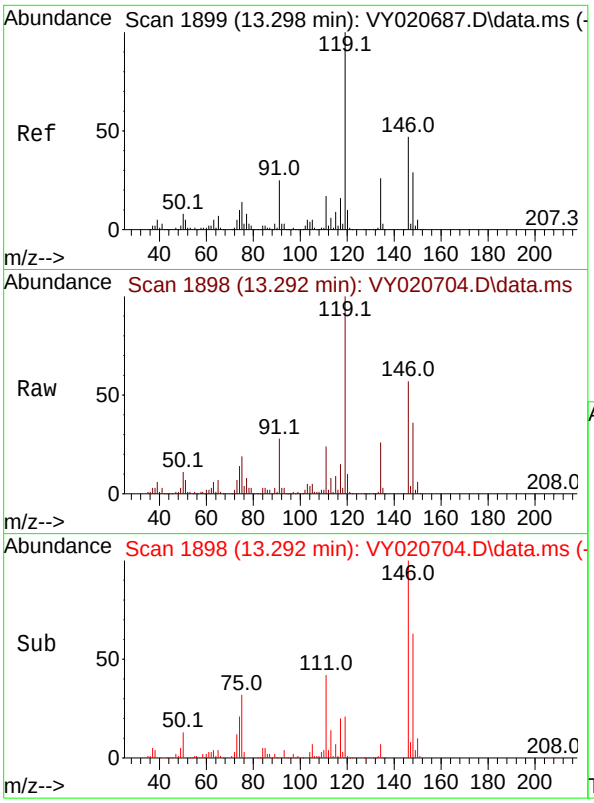


#86
p-Isopropyltoluene
Concen: 50.523 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:119 Resp: 207000

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.7	12.9	38.6



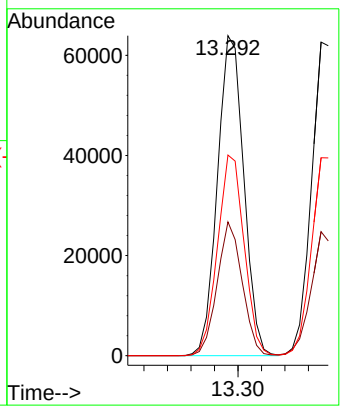


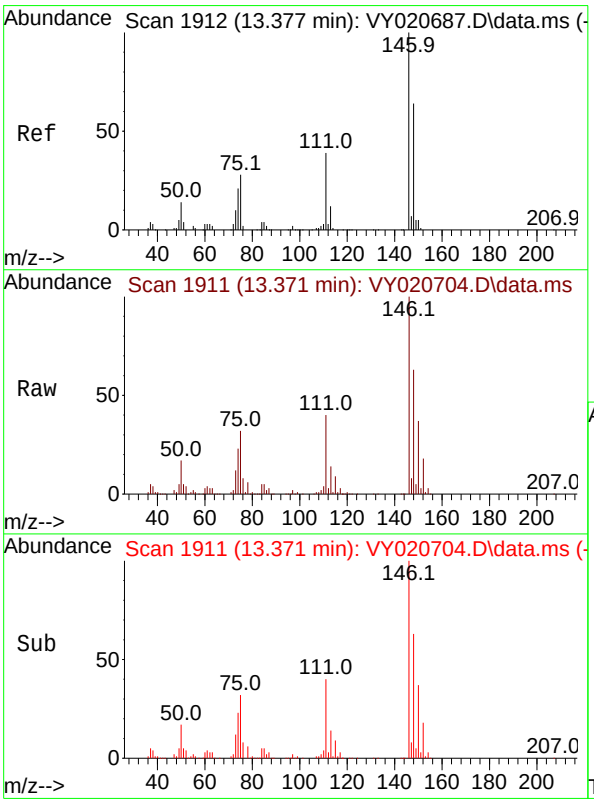
#87
1,3-Dichlorobenzene
Concen: 50.056 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 99861

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	63.3	31.1	93.5

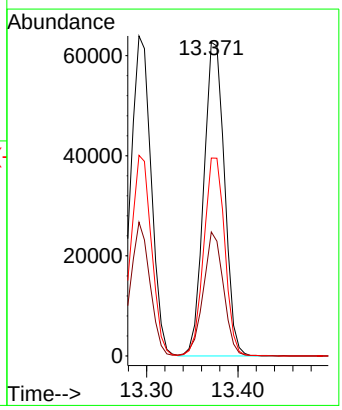


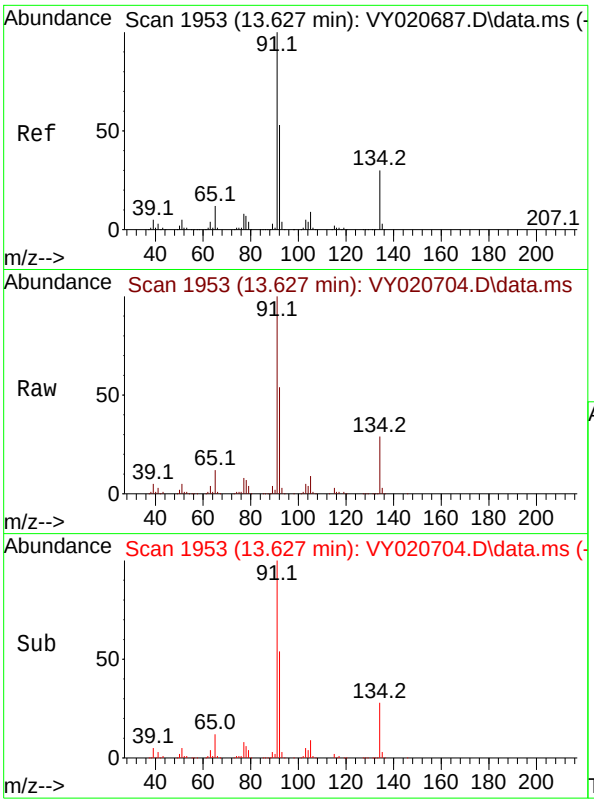


#88
1,4-Dichlorobenzene
Concen: 50.384 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:146 Resp: 98479

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	63.9	32.8	98.3



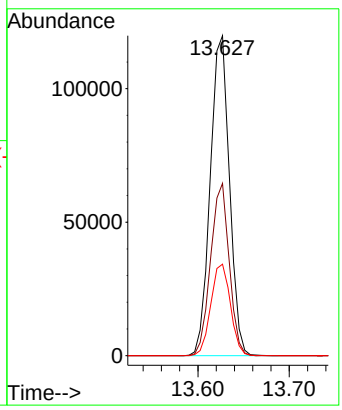


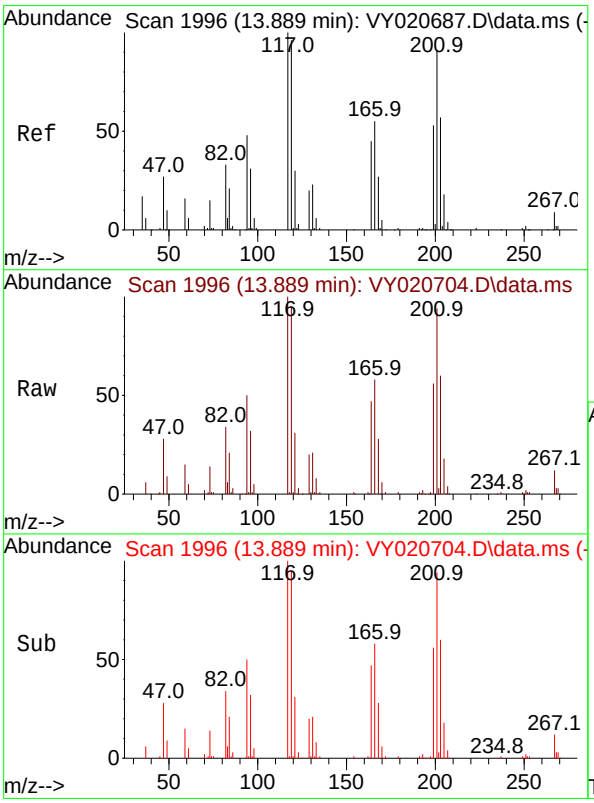
#89
n-Butylbenzene
Concen: 50.680 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 174927

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	29.2	14.8	44.4

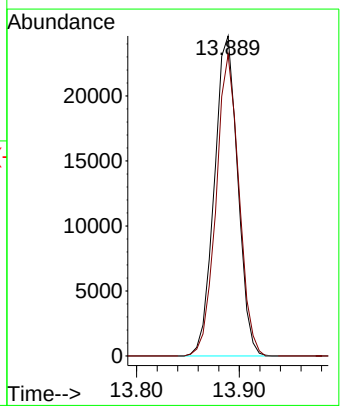


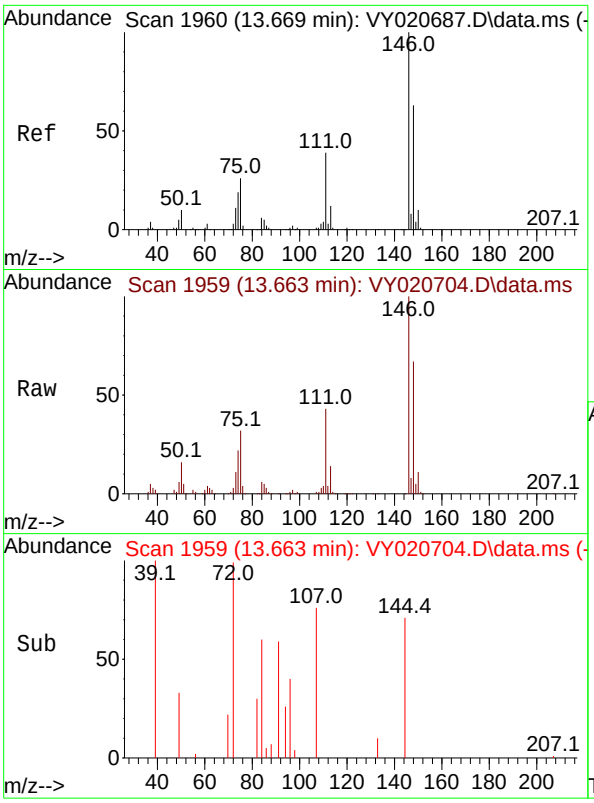


#90
Hexachloroethane
Concen: 49.920 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:117 Resp: 38801

Ion	Ratio	Lower	Upper
117	100		
201	92.1	44.9	134.7



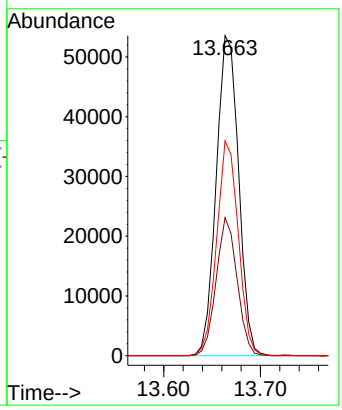


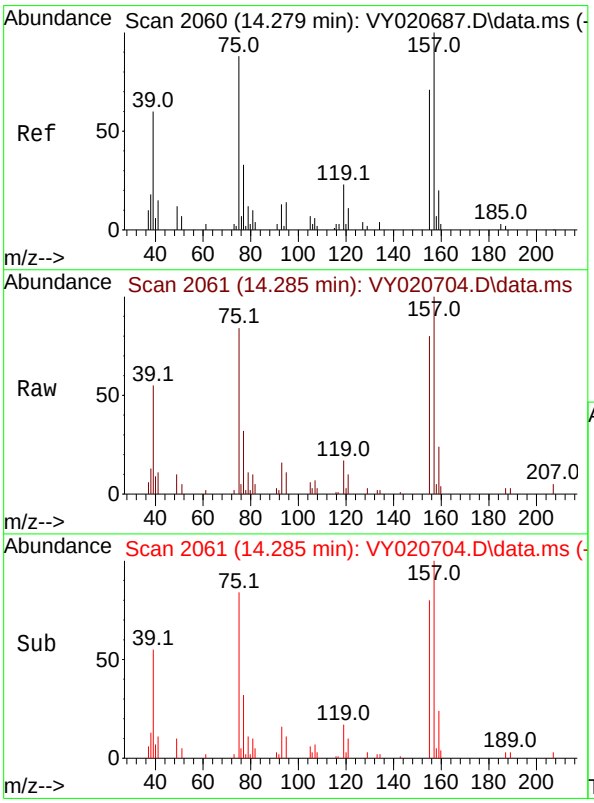
#91
1,2-Dichlorobenzene
Concen: 50.182 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 85918

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.7	31.9	95.5

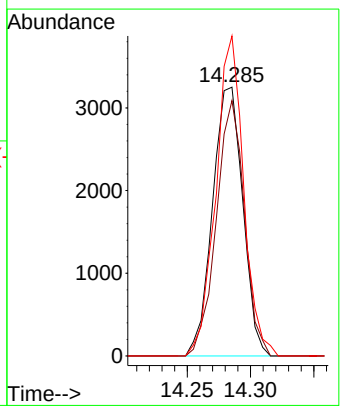


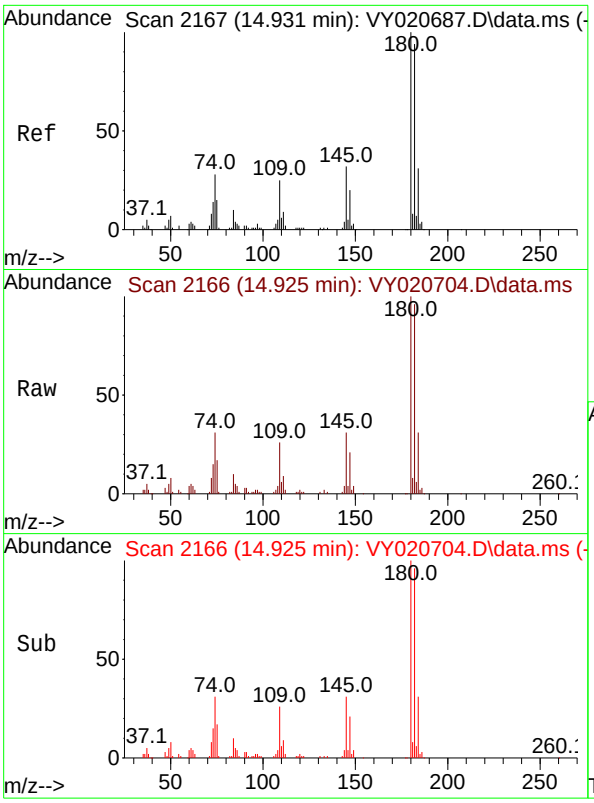


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.822 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion: 75 Resp: 5399

Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.4	130.2
157	109.1	58.6	175.7



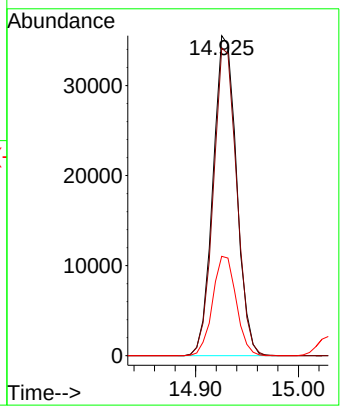


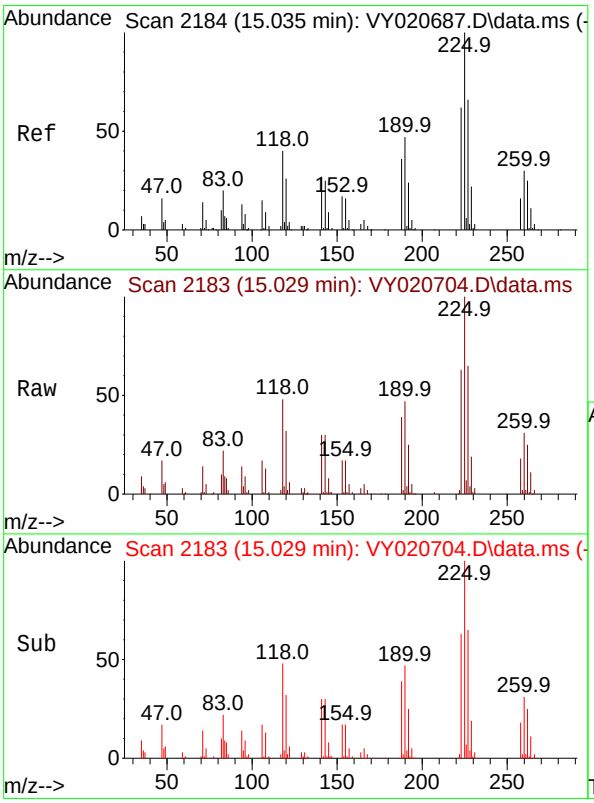
#93
1,2,4-Trichlorobenzene
Concen: 55.478 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 56391

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	31.1	15.6	46.8

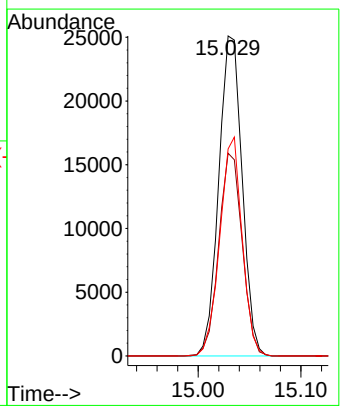


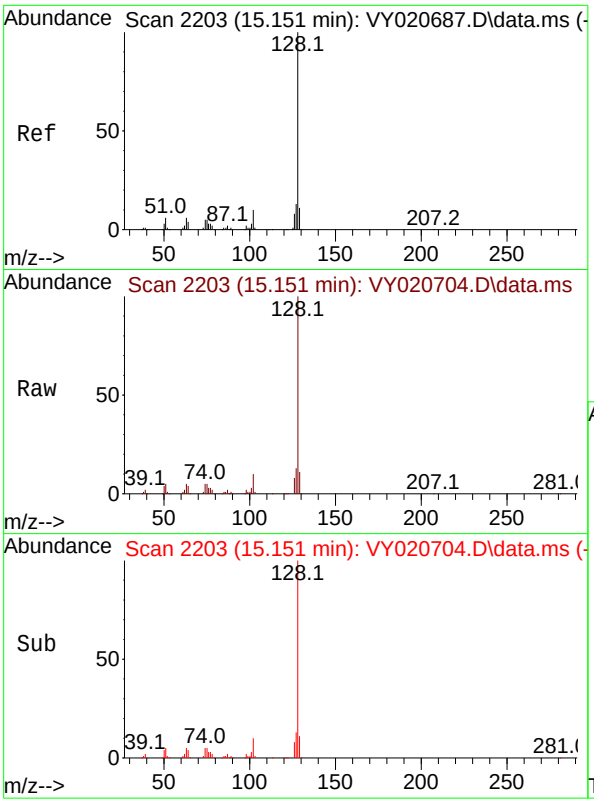


#94
Hexachlorobutadiene
Concen: 52.330 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:225 Resp: 39605

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	65.4	32.1	96.5



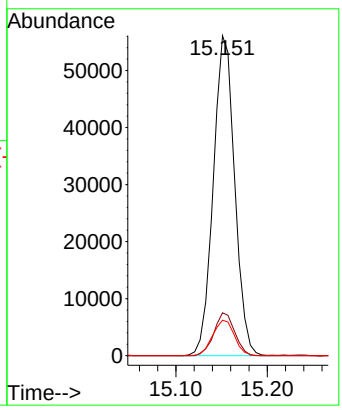


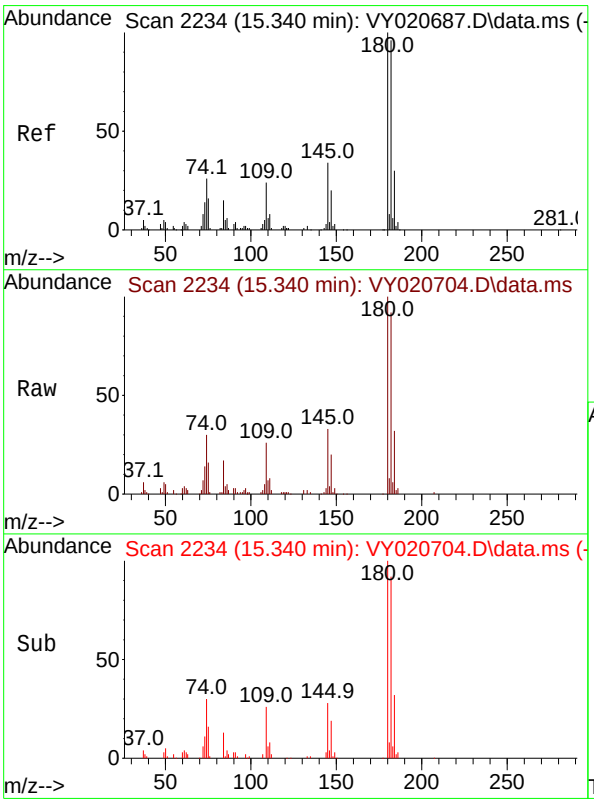
#95
Naphthalene
Concen: 48.620 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 91326

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: 53.910 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020704.D
Acq: 23 Dec 2024 20:10

Tgt Ion:180 Resp: 45813

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.2
145	33.3	16.7	50.1